

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112018\
 Data File : VD060420.D
 Acq On : 20 Nov 2018 10:37
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 20 14:48:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1452614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	2090874	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1562929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	809272	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.81	65	558507	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	
35) Dibromofluoromethane	6.34	113	847739	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	
50) Toluene-d8	9.46	98	2316266	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.44	95	847291	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	578896	50.889	ug/l	97
3) Chloromethane	1.78	50	617222	44.857	ug/l	99
4) Vinyl Chloride	1.88	62	541106	48.154	ug/l	99
5) Bromomethane	2.17	94	144433	54.176	ug/l	98
6) Chloroethane	2.28	64	184894	49.589	ug/l	99
7) Trichlorofluoromethane	2.54	101	689050	52.010	ug/l	97
8) Diethyl Ether	2.85	74	119345	49.756	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.12	101	444903	51.058	ug/l	97
10) Methyl Iodide	3.27	142	501758	44.335	ug/l	98
11) Tert butyl alcohol	3.98	59	125602	294.081	ug/l	96
12) 1,1-Dichloroethene	3.10	96	358620	50.596	ug/l	96
13) Acrolein	3.01	56	101622	201.365	ug/l	94
14) Allyl chloride	3.56	41	711943	52.496	ug/l	96
15) Acrylonitrile	4.11	53	655453	263.169	ug/l	99
16) Acetone	3.19	43	506099	280.518	ug/l	99
17) Carbon Disulfide	3.34	76	1062727	46.452	ug/l	100
18) Methyl Acetate	3.58	43	223764	58.168	ug/l	97
19) Methyl tert-butyl Ether	4.15	73	1101605	51.905	ug/l	99
20) Methylene Chloride	3.75	84	782814	48.913	ug/l	98
21) trans-1,2-Dichloroethene	4.13	96	814596	51.761	ug/l	97
22) Diisopropyl ether	4.88	45	2669181	52.681	ug/l	95
23) Vinyl Acetate	4.83	43	6685079	265.163	ug/l	99
24) 1,1-Dichloroethane	4.78	63	1374550	52.904	ug/l	99
25) 2-Butanone	5.65	43	994211	265.119	ug/l	99
26) 2,2-Dichloropropane	5.61	77	1105932	54.749	ug/l	98
27) cis-1,2-Dichloroethene	5.62	96	870071	53.069	ug/l	97
28) Bromochloromethane	5.95	49	608060	53.040	ug/l	92
29) Tetrahydrofuran	5.97	42	488386	247.018	ug/l	98
30) Chloroform	6.12	83	1426672	54.926	ug/l	100
31) Cyclohexane	6.38	56	1208866	48.679	ug/l	99
32) 1,1,1-Trichloroethane	6.32	97	1206099	55.125	ug/l	98
36) 1,1-Dichloropropene	6.54	75	1025074	49.624	ug/l	99
37) Ethyl Acetate	5.71	43	489672	51.515	ug/l	99
38) Carbon Tetrachloride	6.52	117	996817	52.020	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112018\
 Data File : VD060420.D
 Acq On : 20 Nov 2018 10:37
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 20 14:48:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.06	83	1167843	49.154	ug/l	98
40) Benzene	6.82	78	2630522	49.887	ug/l	100
41) Methacrylonitrile	5.96	41	542550	49.869	ug/l	96
42) 1,2-Dichloroethane	6.92	62	706236	51.171	ug/l	98
43) Isopropyl Acetate	8.36	43	611077	51.179	ug/l #	97
44) Trichloroethene	7.75	130	820003	51.301	ug/l	94
45) 1,2-Dichloropropane	8.12	63	691597	52.006	ug/l	99
46) Dibromomethane	8.23	93	382767	49.144	ug/l	93
47) Bromodichloromethane	8.50	83	973208	53.025	ug/l	98
48) Methyl methacrylate	8.26	41	359713	49.597	ug/l	96
49) 1,4-Dioxane	8.24	88	64371	1025.796	ug/l #	87
51) 4-Methyl-2-Pentanone	9.36	43	1953416	251.362	ug/l	98
52) Toluene	9.56	92	1690036	50.176	ug/l	100
53) t-1,3-Dichloropropene	9.93	75	801532	51.687	ug/l	99
54) cis-1,3-Dichloropropene	9.12	75	1031600	51.865	ug/l	97
55) 1,1,2-Trichloroethane	10.19	97	486201	49.803	ug/l	98
56) Ethyl methacrylate	10.04	69	477851	53.236	ug/l	99
57) 1,3-Dichloropropane	10.39	76	743808	50.001	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.93	63	1325116	244.154	ug/l	100
59) 2-Hexanone	10.50	43	1444426	260.777	ug/l	99
60) Dibromochloromethane	10.65	129	626485	52.792	ug/l	100
61) 1,2-Dibromoethane	10.77	107	508922	52.029	ug/l	98
64) Tetrachloroethene	10.26	164	737595	52.863	ug/l	98
65) Chlorobenzene	11.32	112	1812240	53.515	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	585218	52.817	ug/l	99
67) Ethyl Benzene	11.43	91	3001532	51.813	ug/l	99
68) m/p-Xylenes	11.57	106	2243688	104.996	ug/l	99
69) o-Xylene	11.94	106	1059391	51.315	ug/l	95
70) Styrene	11.96	104	1764665	52.891	ug/l	99
71) Bromoform	12.12	173	416542	55.946	ug/l	99
73) Isopropylbenzene	12.28	105	2973891	50.438	ug/l	99
74) N-amyl acetate	12.14	43	797971	52.788	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	490498	50.867	ug/l	96
76) 1,2,3-Trichloropropane	12.60	75	500032	51.652	ug/l	97
77) Bromobenzene	12.54	156	801631	51.184	ug/l	94
78) n-propylbenzene	12.64	91	3681953	50.030	ug/l	99
79) 2-Chlorotoluene	12.71	91	2154031	53.440	ug/l	96
80) 1,3,5-Trimethylbenzene	12.80	105	2389822	52.154	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.35	75	150527	54.616	ug/l	96
82) 4-Chlorotoluene	12.82	91	2340767	51.697	ug/l	91
83) tert-Butylbenzene	13.06	119	2666272	52.411	ug/l	99
84) 1,2,4-Trimethylbenzene	13.10	105	2452157	53.584	ug/l	99
85) sec-Butylbenzene	13.22	105	3275867	52.486	ug/l	100
86) p-Isopropyltoluene	13.35	119	2583490	51.400	ug/l	99
87) 1,3-Dichlorobenzene	13.32	146	1409939	50.600	ug/l	97
88) 1,4-Dichlorobenzene	13.40	146	1415580	52.018	ug/l	98
89) n-Butylbenzene	13.66	91	2587109	53.577	ug/l	99
90) Hexachloroethane	13.86	117	677992	56.887	ug/l	97
91) 1,2-Dichlorobenzene	13.67	146	1114859	48.711	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	62747	53.907	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112018\
Data File : VD060420.D
Acq On : 20 Nov 2018 10:37
Operator : JC/SY
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Quant Time: Nov 20 14:48:35 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
Response via : Initial Calibration

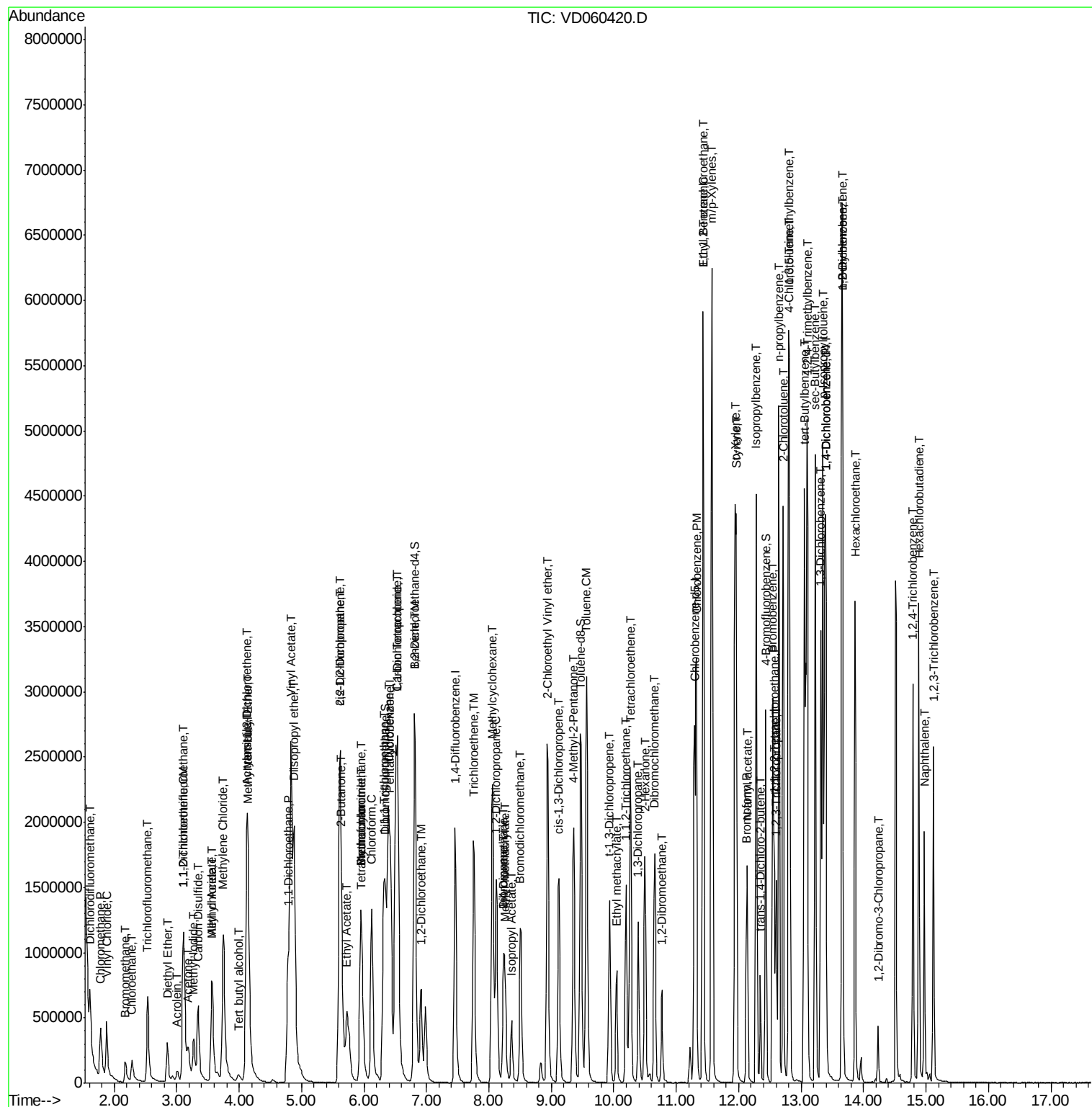
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	944818	52.067	ug/l	100
94) Hexachlorobutadiene	14.89	225	667894	49.208	ug/l	99
95) Naphthalene	14.98	128	1178503	53.186	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	756034	51.992	ug/l	99

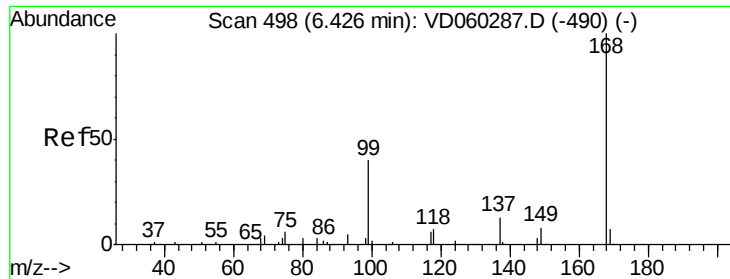
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112018\
Data File : VD060420.D
Acq On : 20 Nov 2018 10:37
Operator : JC/SY
Sample : VSTDCCC050
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Quant Time: Nov 20 14:48:35 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

Instrument :

MSVOA_D

ClientSampleId :

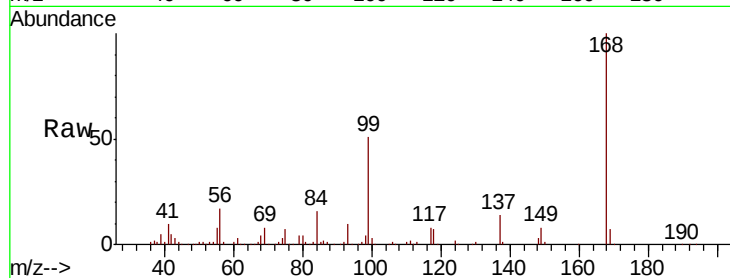
VSTDCCC050

Tot Ion:168 Resp: 1452614

Ion Ratio Lower Upper

168 100

99 51.2 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

500000

400000

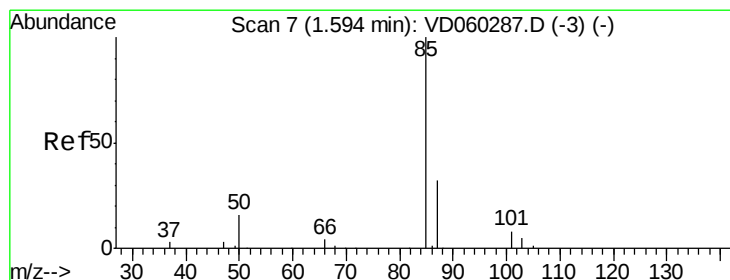
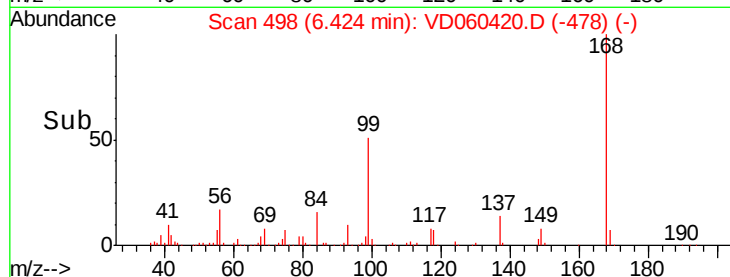
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.889 ug/l

RT: 1.61 min Scan# 9

Delta R.T. 0.02 min

Lab File: VD060420.D

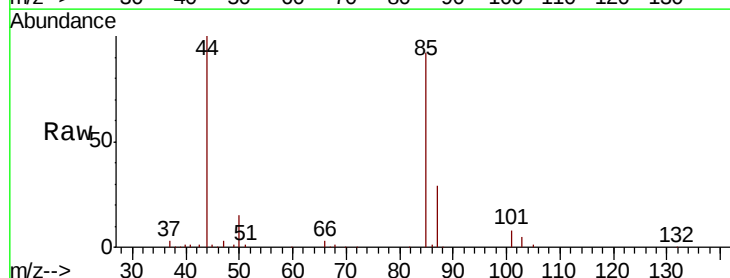
Acq: 20 Nov 2018 10:37

Tgt Ion: 85 Resp: 578896

Ion Ratio Lower Upper

85 100

87 31.9 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

250000

200000

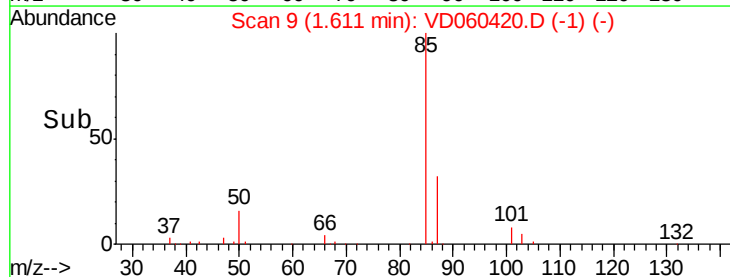
150000

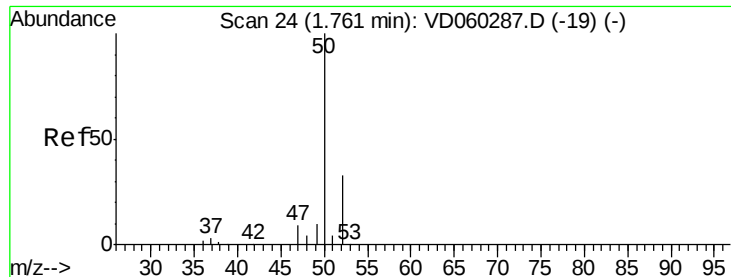
100000

50000

0

Time-->





#3

Chloromethane

Concen: 44.857 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.02 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

Instrument :

MSVOA_D

ClientSampleId :

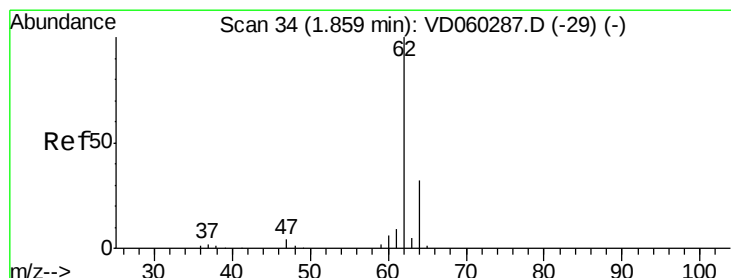
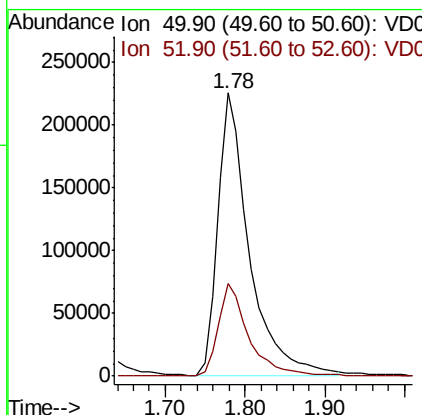
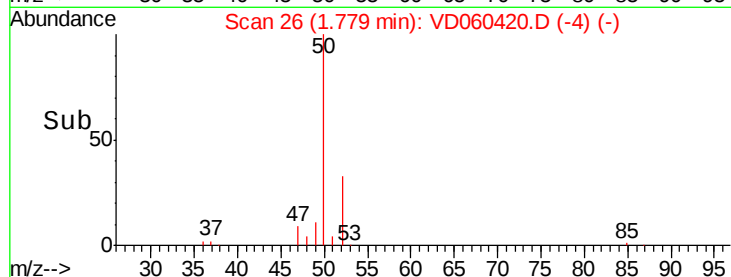
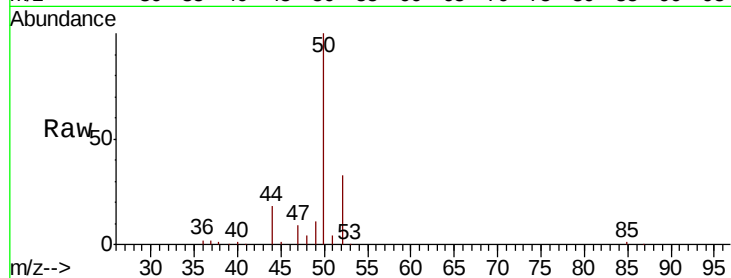
VSTDCCC050

Tot Ion: 50 Resp: 617222

Ion Ratio Lower Upper

50 100

52 32.7 25.8 38.6



#4

Vinyl Chloride

Concen: 48.154 ug/l

RT: 1.88 min Scan# 36

Delta R.T. 0.02 min

Lab File: VD060420.D

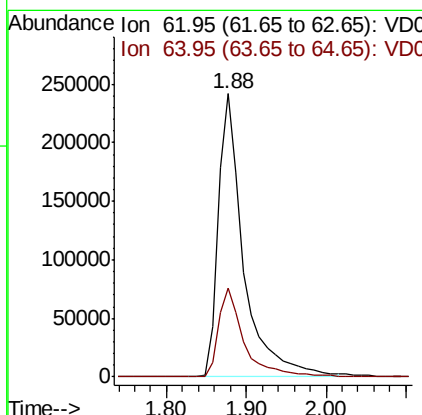
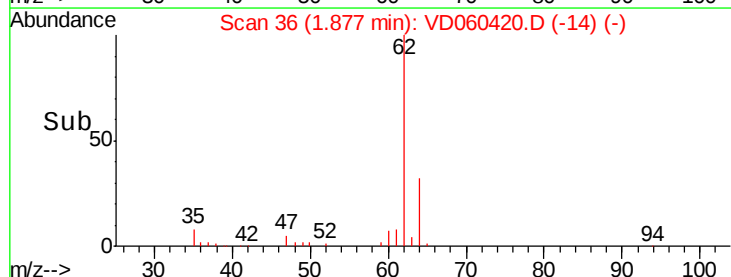
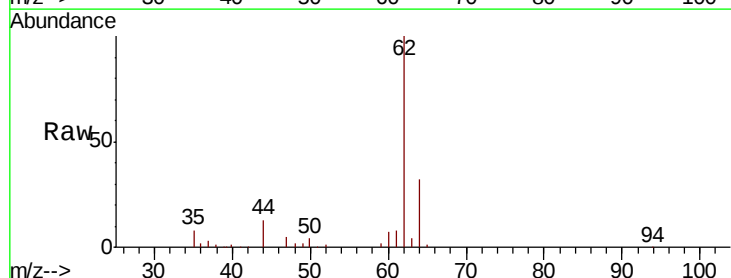
Acq: 20 Nov 2018 10:37

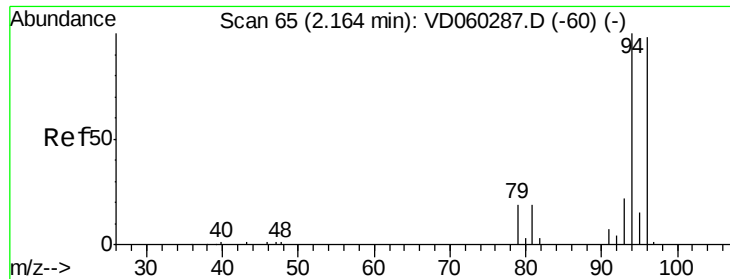
Tgt Ion: 62 Resp: 541106

Ion Ratio Lower Upper

62 100

64 31.6 24.9 37.3





#5

Bromomethane

Concen: 54.176 ug/l

RT: 2.17 min Scan# 66

Delta R.T. 0.01 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

Instrument :

MSVOA_D

ClientSampleId :

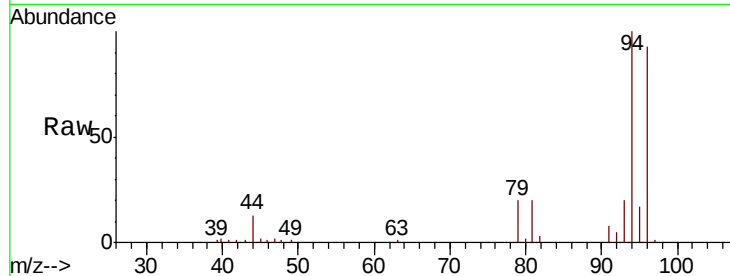
VSTDCCC050

Tot Ion: 94 Resp: 144433

Ion Ratio Lower Upper

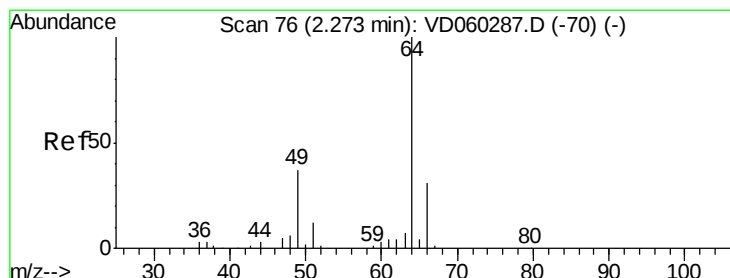
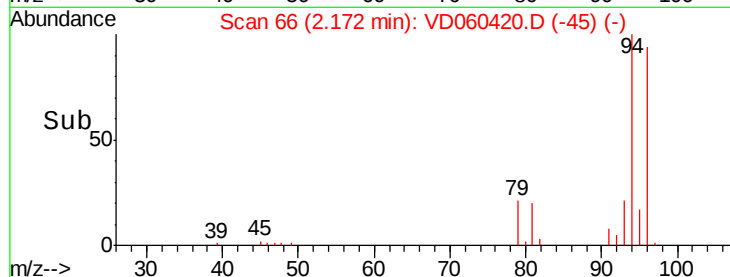
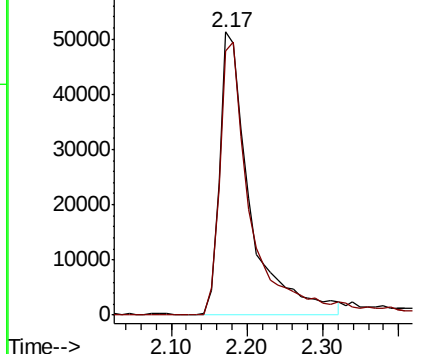
94 100

96 93.4 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.589 ug/l

RT: 2.28 min Scan# 77

Delta R.T. 0.01 min

Lab File: VD060420.D

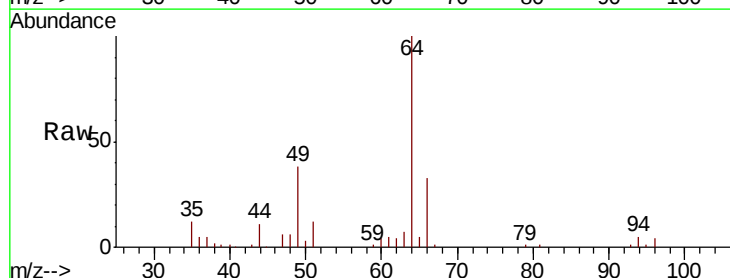
Acq: 20 Nov 2018 10:37

Tgt Ion: 64 Resp: 184894

Ion Ratio Lower Upper

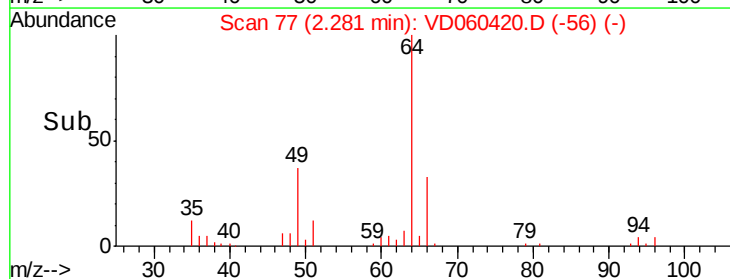
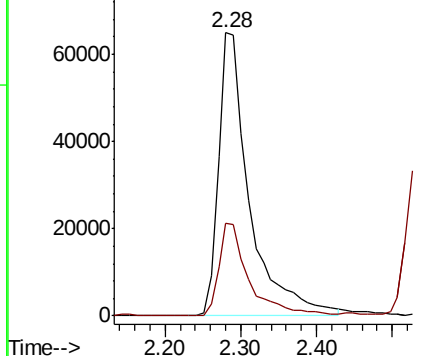
64 100

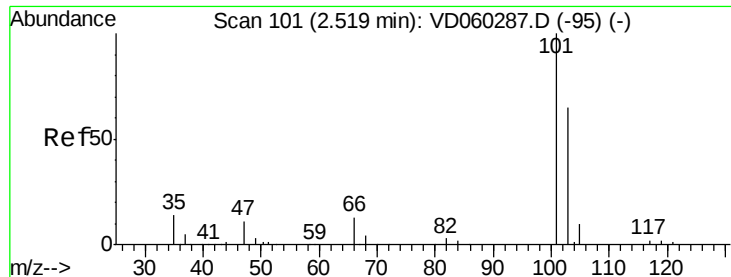
66 32.9 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



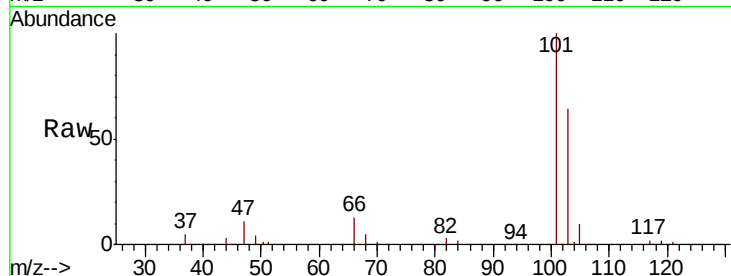


#7

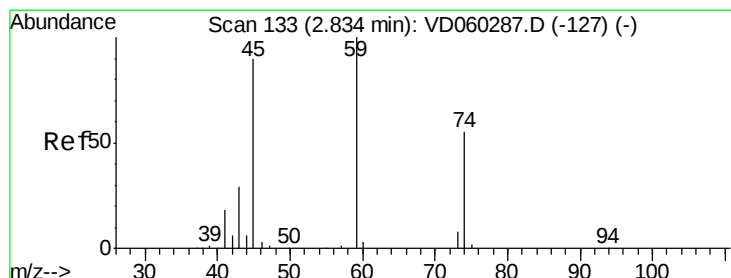
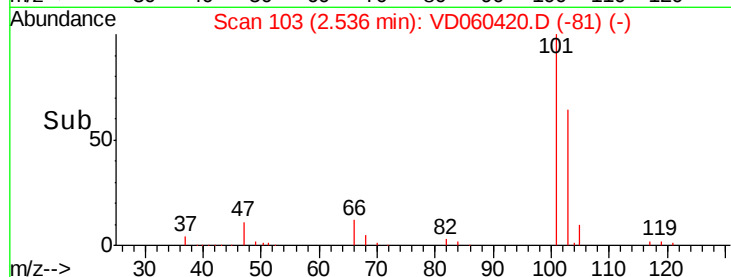
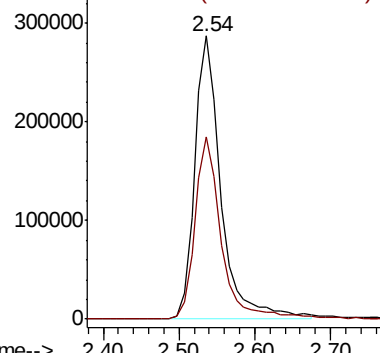
Trichlorofluoromethane
 Concen: 52.010 ug/l
 RT: 2.54 min Scan# 103
 Delta R.T. 0.02 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 689050
 Ion Ratio Lower Upper
 101 100
 103 64.3 53.6 80.4



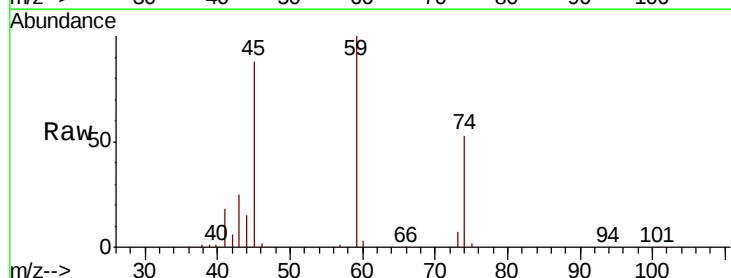
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



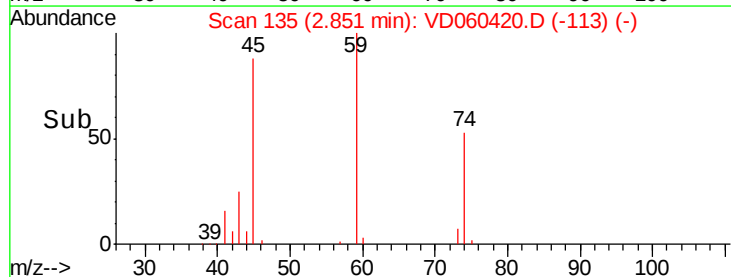
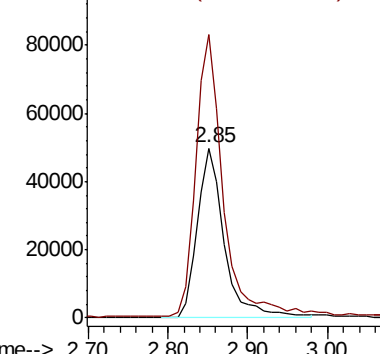
#8

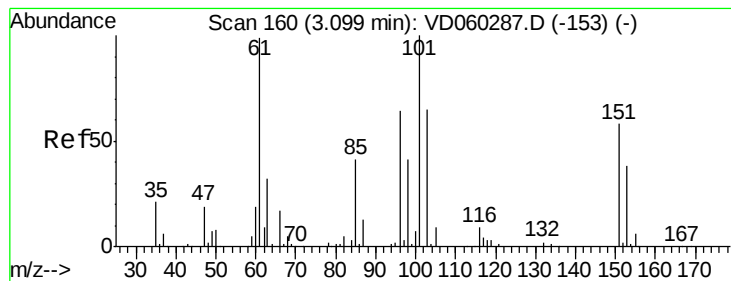
Diethyl Ether
 Concen: 49.756 ug/l
 RT: 2.85 min Scan# 135
 Delta R.T. 0.02 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

Tgt Ion: 74 Resp: 119345
 Ion Ratio Lower Upper
 74 100
 45 166.7 84.8 254.4



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.058 ug/l

RT: 3.12 min Scan# 162

Delta R.T. 0.02 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

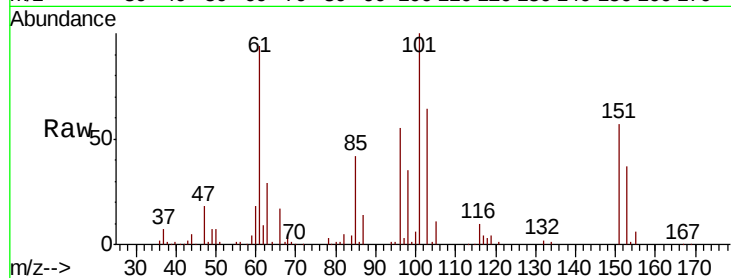
Tot Ion:101 Resp: 444903

Ion Ratio Lower Upper

101 100

85 41.8 31.4 47.0

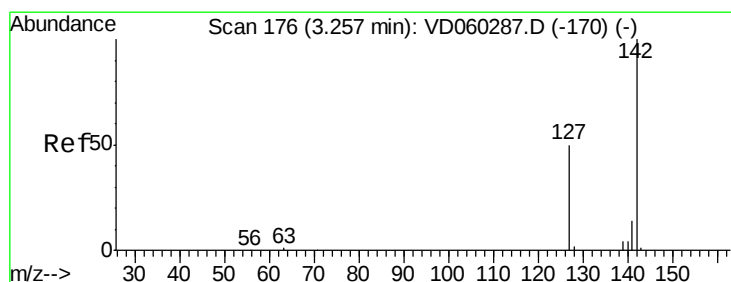
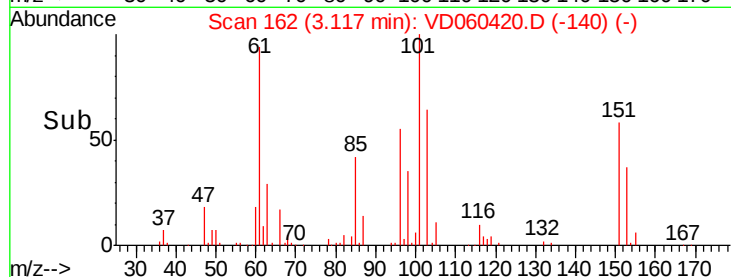
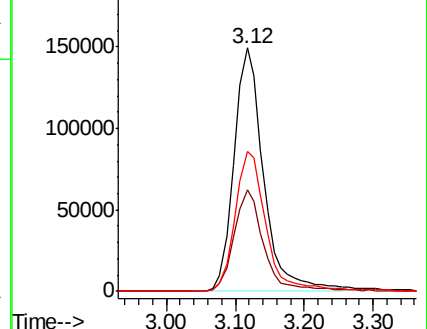
151 57.4 47.4 71.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 44.335 ug/l

RT: 3.27 min Scan# 178

Delta R.T. 0.02 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

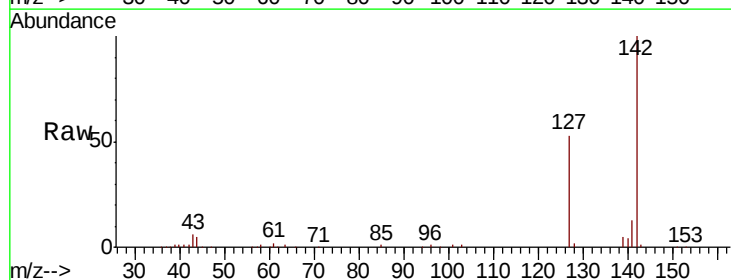
Tgt Ion:142 Resp: 501758

Ion Ratio Lower Upper

142 100

127 52.7 41.0 61.6

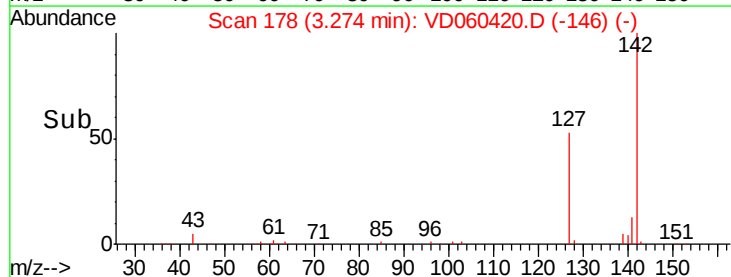
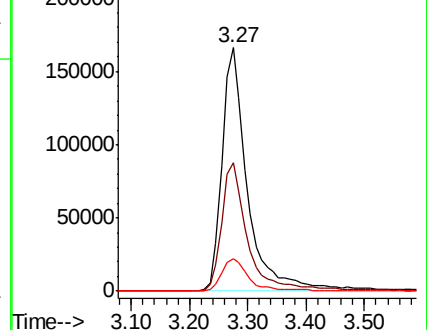
141 13.3 11.9 17.9

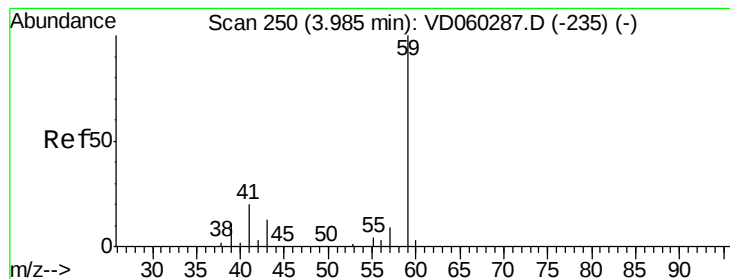


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



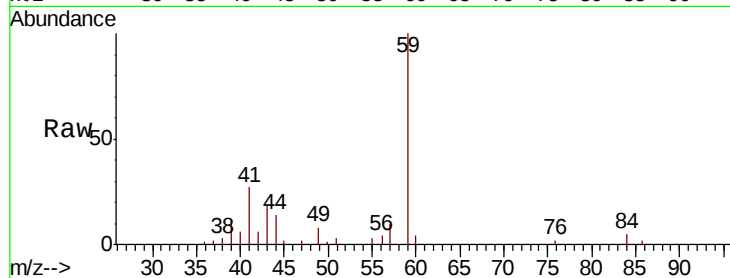


#11

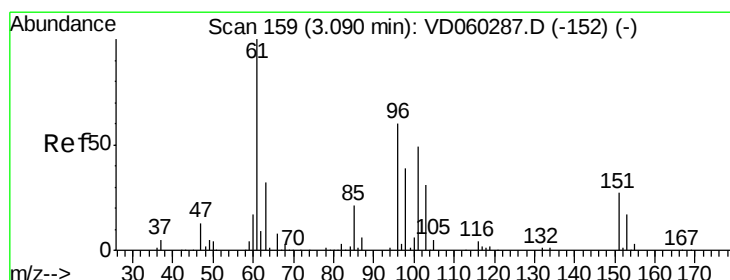
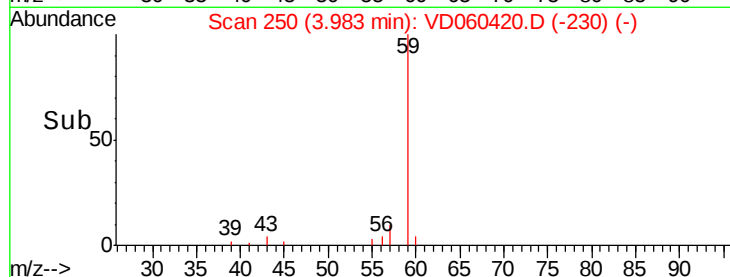
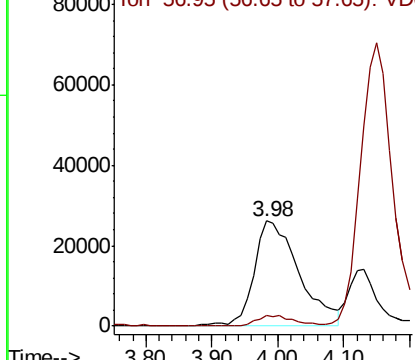
Tert butyl alcohol
 Concen: 294.081 ug/l
 RT: 3.98 min Scan# 250
 Delta R.T. -0.00 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 125602
 Ion Ratio Lower Upper
 59 100
 57 9.9 9.3 13.9



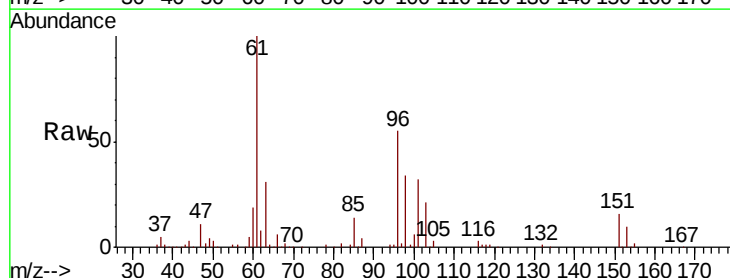
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



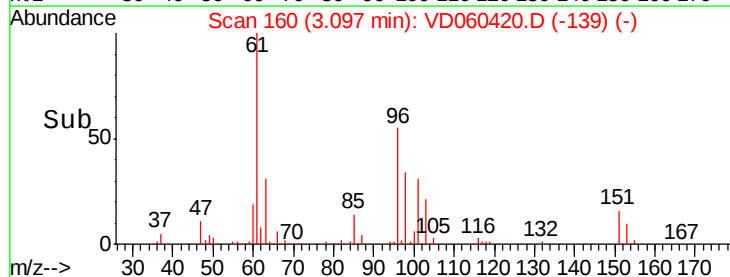
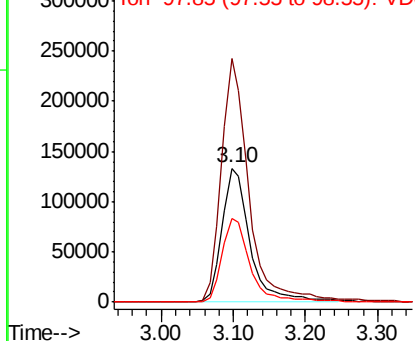
#12

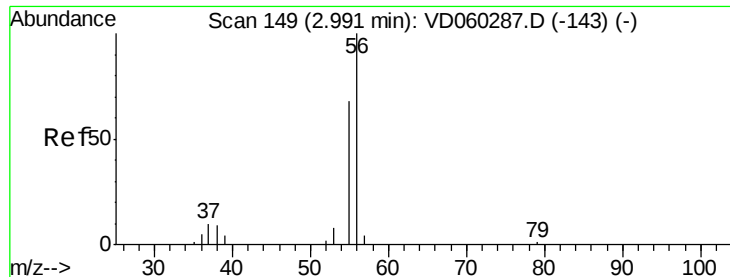
1,1-Dichloroethene
 Concen: 50.596 ug/l
 RT: 3.10 min Scan# 160
 Delta R.T. 0.01 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

Tgt Ion: 96 Resp: 358620
 Ion Ratio Lower Upper
 96 100
 61 182.3 142.2 213.4
 98 62.2 52.6 79.0



Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 201.365 ug/l

RT: 3.01 min Scan# 151

Delta R.T. 0.02 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

Instrument :

MSVOA_D

ClientSampleId :

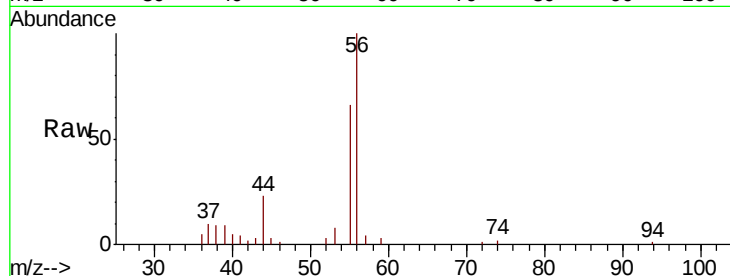
VSTDCCC050

Tot Ion: 56 Resp: 101622

Ion Ratio Lower Upper

56 100

55 66.3 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.01

40000

30000

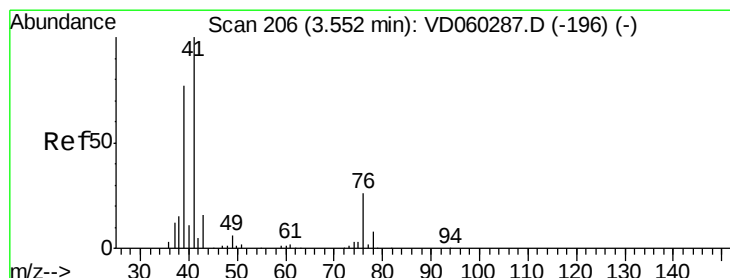
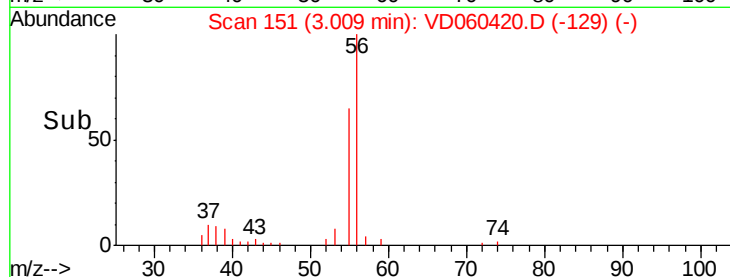
20000

10000

0

Time-->

2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 52.496 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.01 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

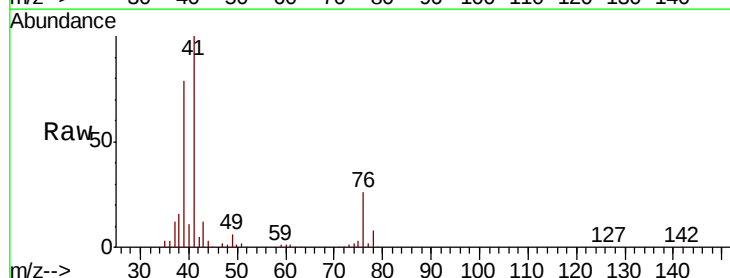
Tgt Ion: 41 Resp: 711943

Ion Ratio Lower Upper

41 100

39 79.2 60.4 90.6

76 26.3 21.8 32.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.56

300000

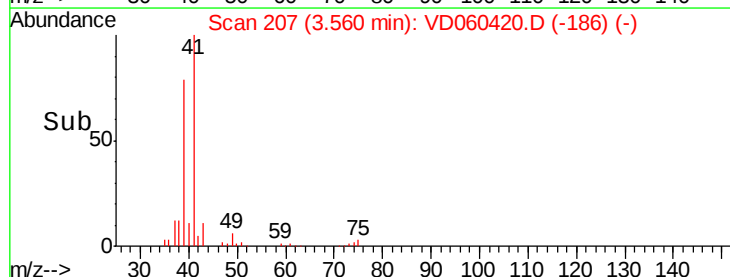
200000

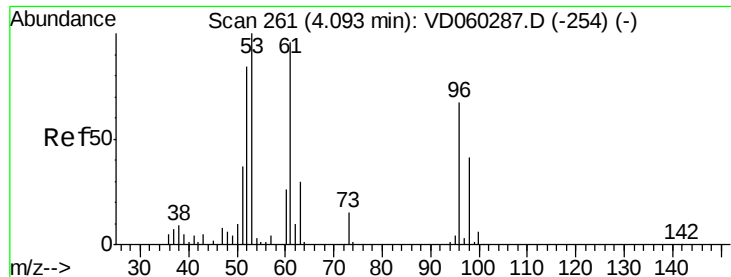
100000

0

Time-->

3.40 3.50 3.60





#15

Acrylonitrile

Concen: 263.169 ug/l

RT: 4.11 min Scan# 263

Delta R.T. 0.02 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

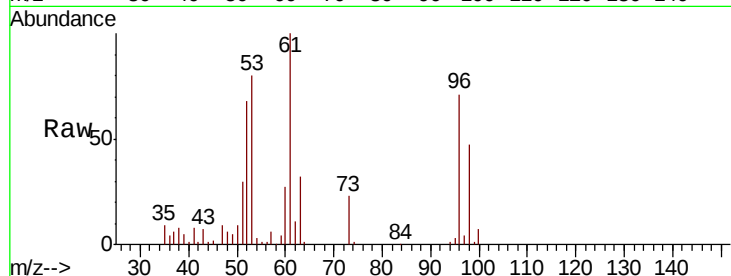
Tot Ion: 53 Resp: 655453

Ion Ratio Lower Upper

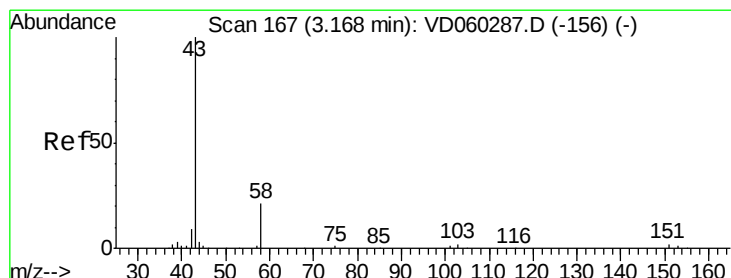
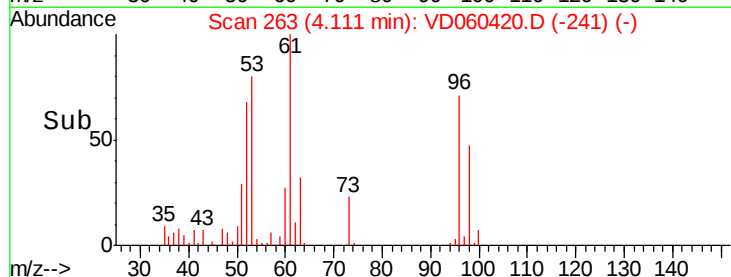
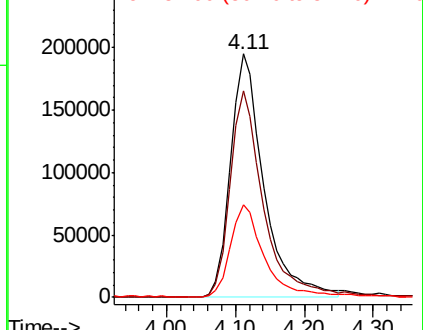
53 100

52 85.0 67.0 100.4

51 37.8 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 280.518 ug/l

RT: 3.19 min Scan# 169

Delta R.T. 0.02 min

Lab File: VD060420.D

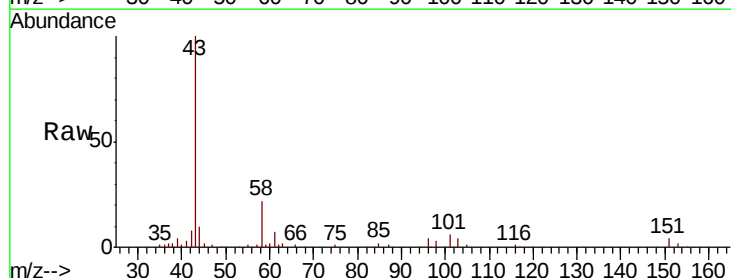
Acq: 20 Nov 2018 10:37

Tgt Ion: 43 Resp: 506099

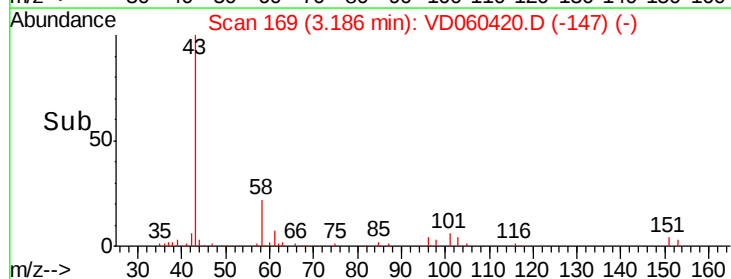
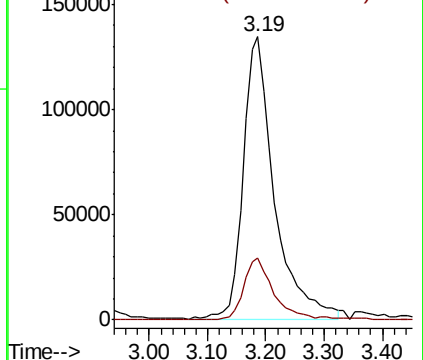
Ion Ratio Lower Upper

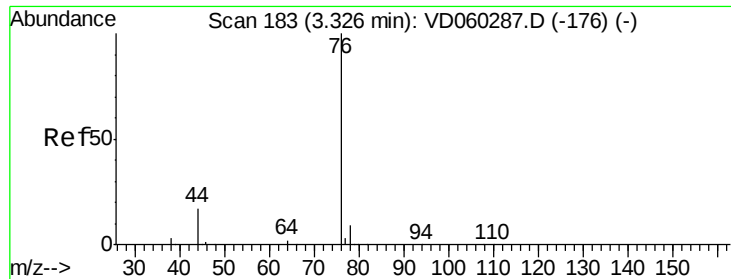
43 100

58 21.7 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

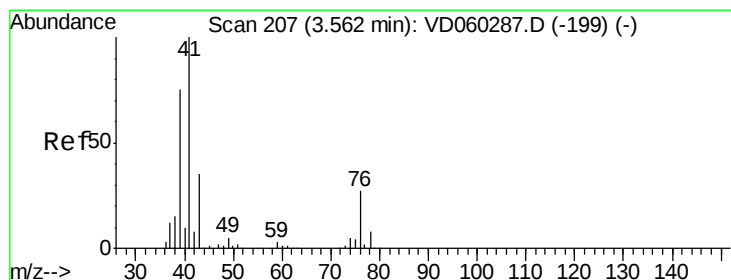
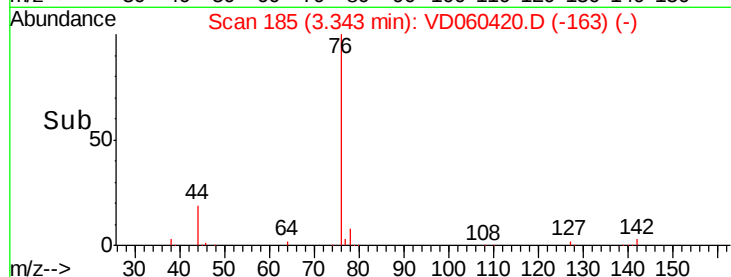
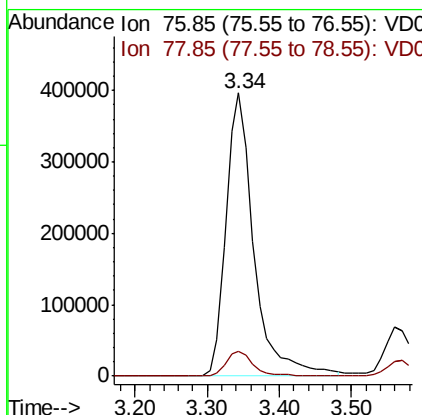
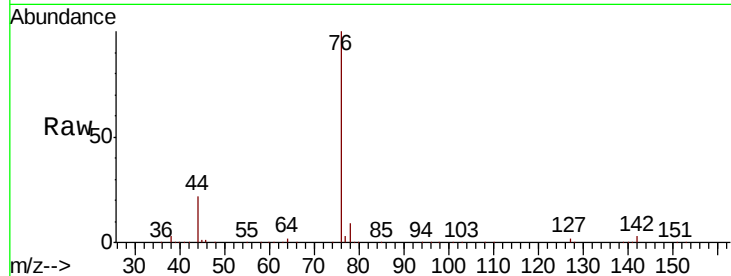




#17
Carbon Disulfide
Concen: 46.452 ug/l
RT: 3.34 min Scan# 185
Delta R.T. 0.02 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

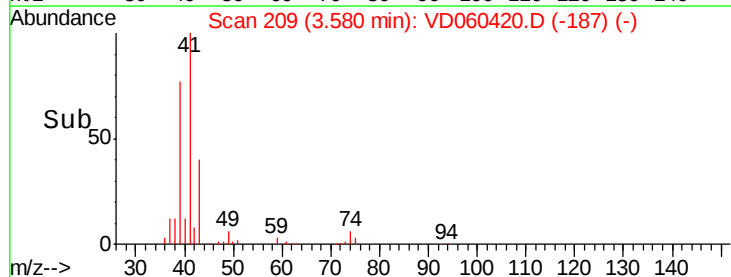
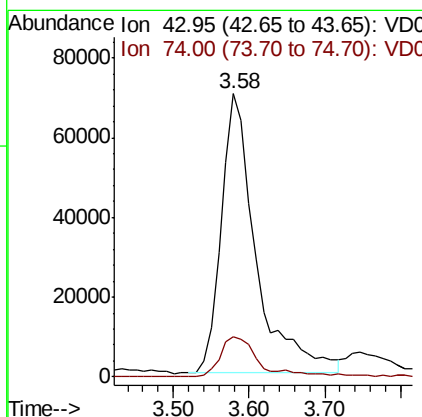
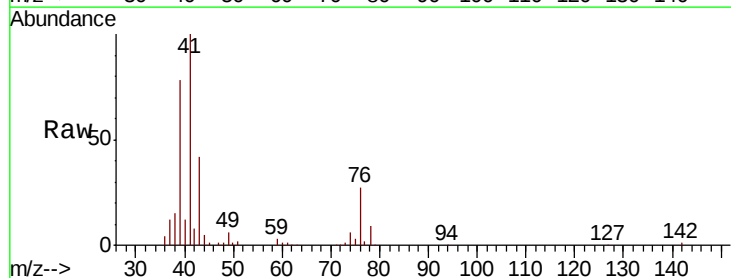
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

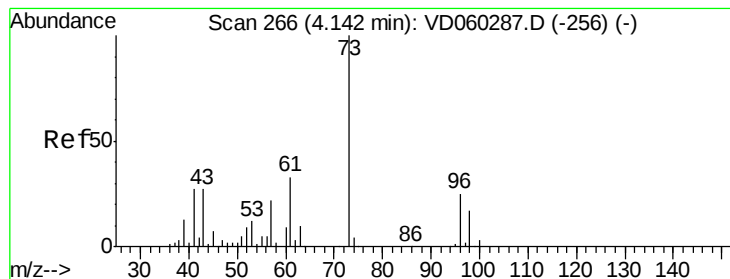
Tot Ion: 76 Resp: 1062727
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.4



#18
Methyl Acetate
Concen: 58.168 ug/l
RT: 3.58 min Scan# 209
Delta R.T. 0.02 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Tgt Ion: 43 Resp: 223764
Ion Ratio Lower Upper
43 100
74 14.3 12.4 18.6



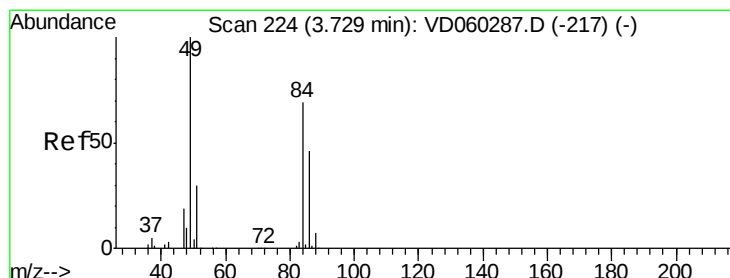
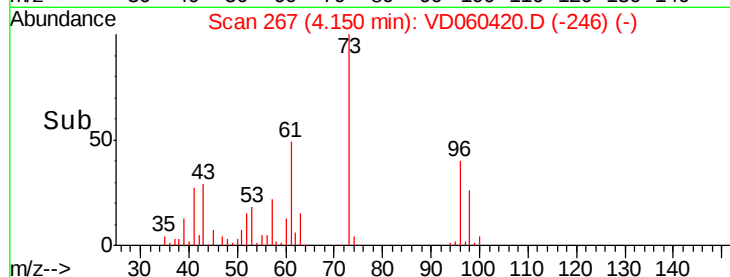
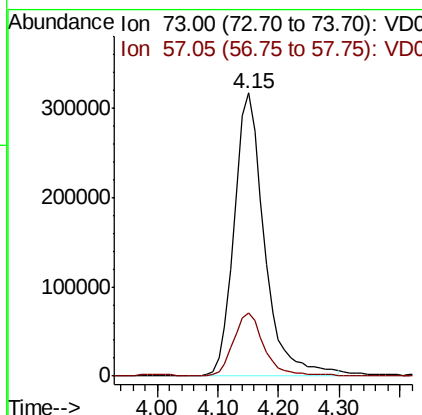
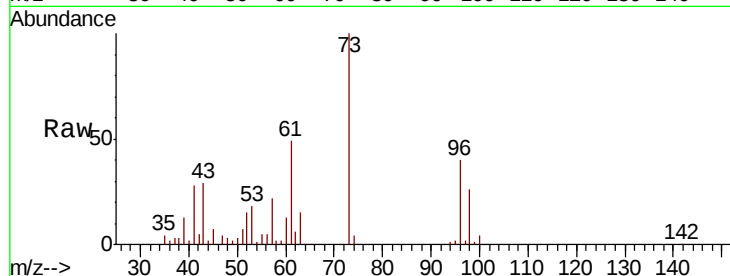


#19

Methyl tert-butyl Ether
 Concen: 51.905 ug/l
 RT: 4.15 min Scan# 267
 Delta R.T. 0.01 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

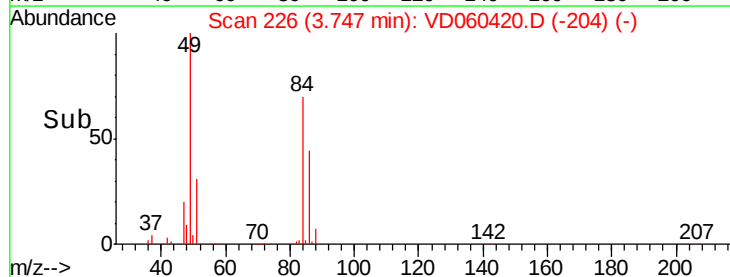
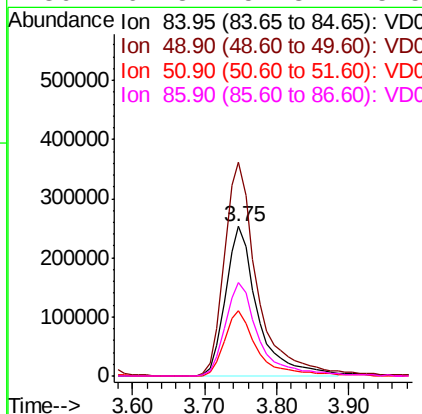
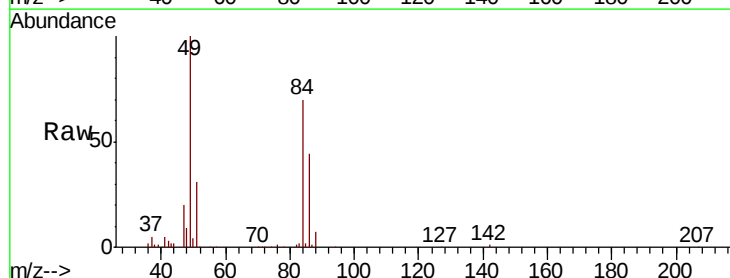
Tot Ion: 73 Resp: 1101605
 Ion Ratio Lower Upper
 73 100
 57 22.2 18.1 27.1

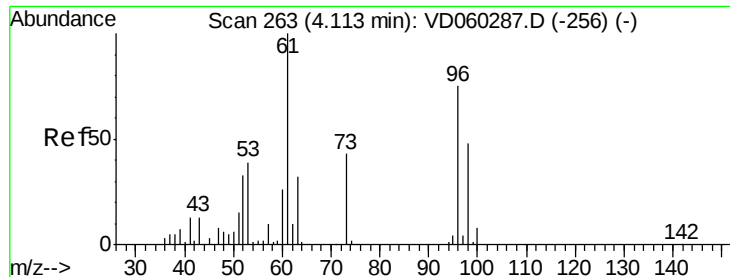


#20

Methylene Chloride
 Concen: 48.913 ug/l
 RT: 3.75 min Scan# 226
 Delta R.T. 0.02 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

Tgt Ion: 84 Resp: 782814
 Ion Ratio Lower Upper
 84 100
 49 142.7 115.6 173.4
 51 44.0 35.6 53.4
 86 62.8 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 51.761 ug/l

RT: 4.13 min Scan# 265

Delta R.T. 0.02 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

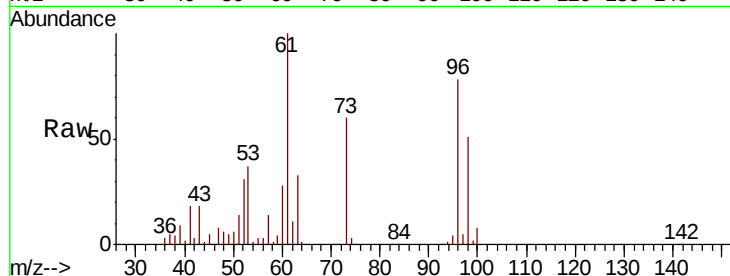
Tot Ion: 96 Resp: 814596

Ion Ratio Lower Upper

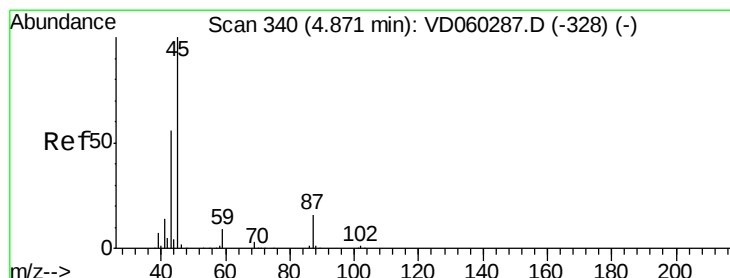
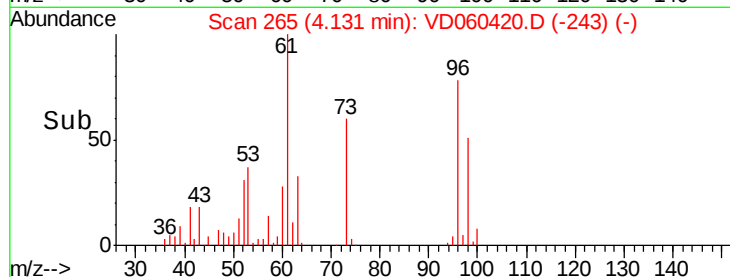
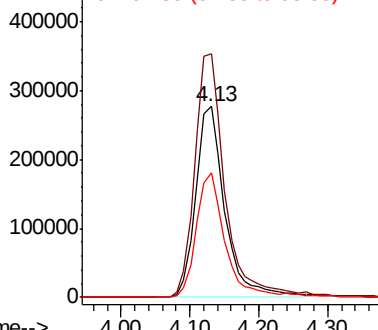
96 100

61 127.4 105.8 158.6

98 65.0 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 52.681 ug/l

RT: 4.88 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

Tgt Ion: 45 Resp: 2669181

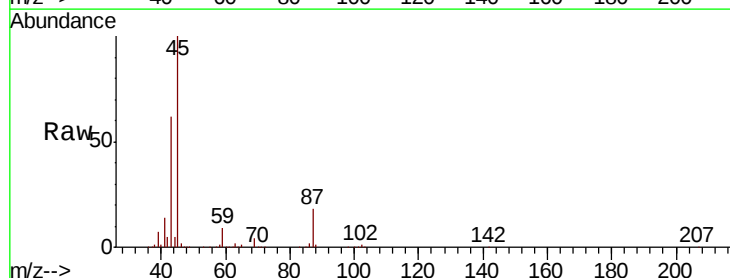
Ion Ratio Lower Upper

45 100

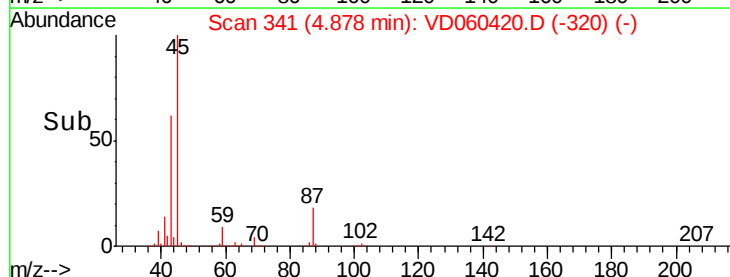
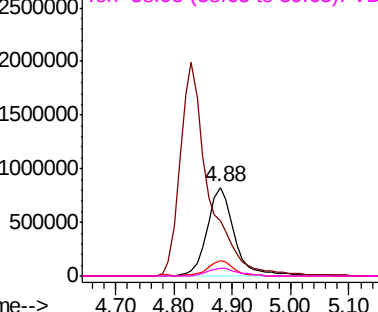
43 61.7 44.9 67.3

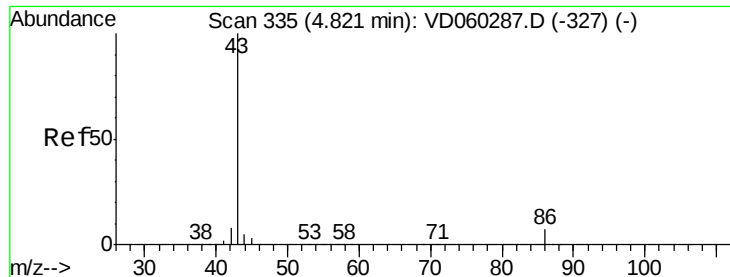
87 17.6 13.9 20.9

59 8.9 7.0 10.6



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 265.163 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

Instrument :

MSVOA_D

ClientSampleId :

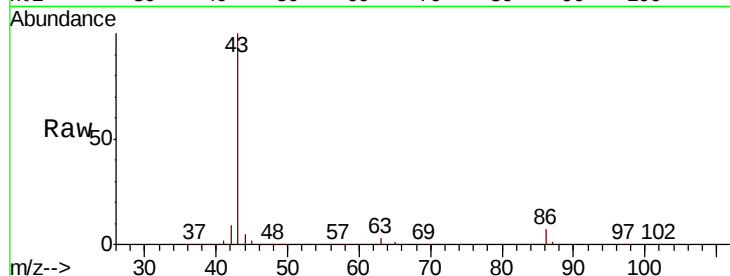
VSTDCCC050

Tot Ion: 43 Resp: 6685079

Ion Ratio Lower Upper

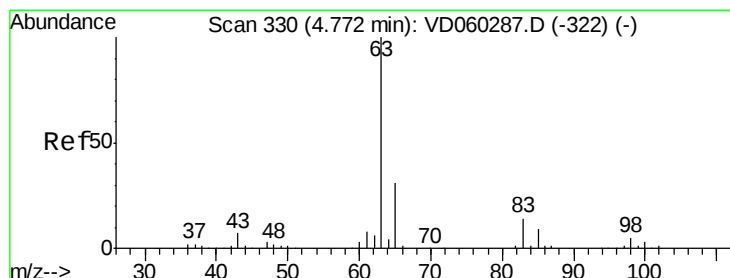
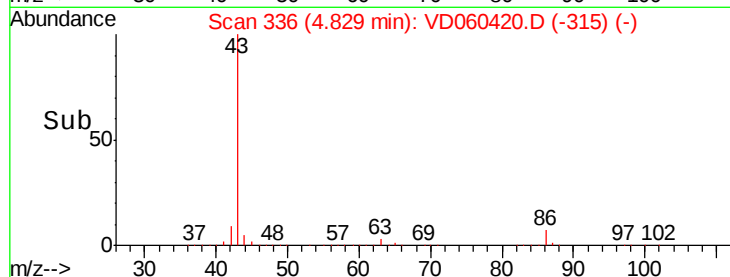
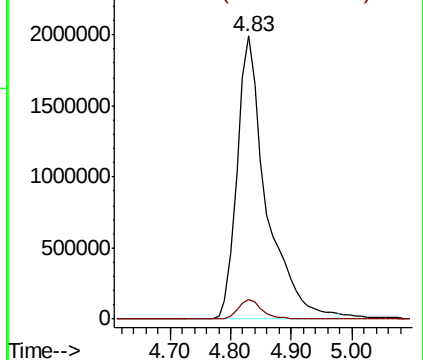
43 100

86 6.9 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.904 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.01 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

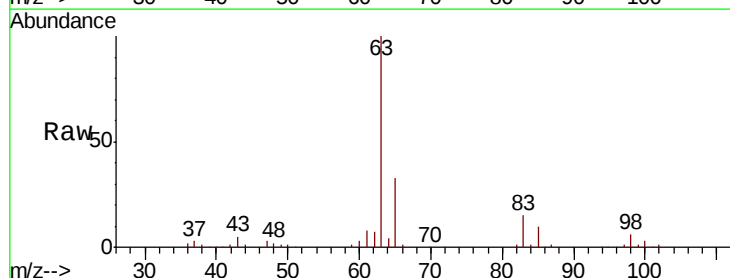
Tgt Ion: 63 Resp: 1374550

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

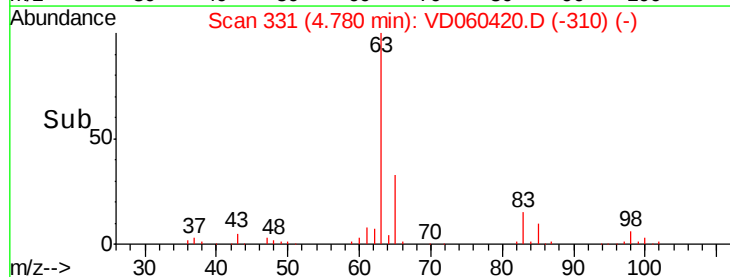
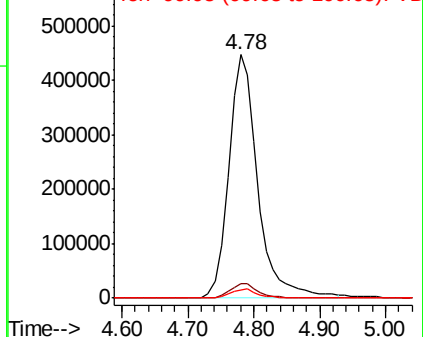
100 3.5 1.8 5.5

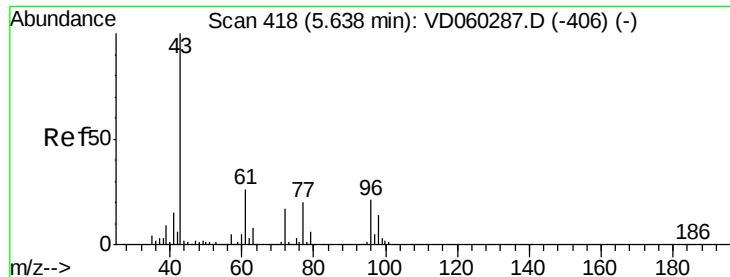


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 265.119 ug/l

RT: 5.65 min Scan# 419

Delta R.T. 0.01 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

Instrument :

MSVOA_D

ClientSampleId :

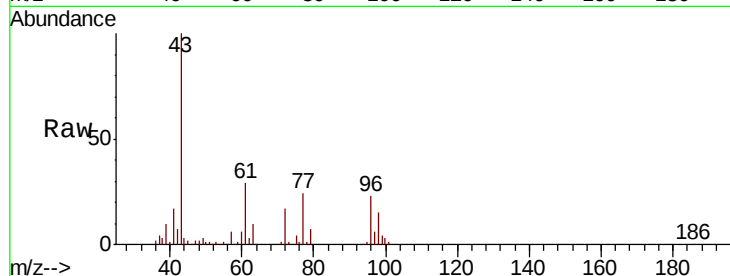
VSTDCCC050

Tot Ion: 43 Resp: 994211

Ion Ratio Lower Upper

43 100

72 16.8 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

400000

300000

200000

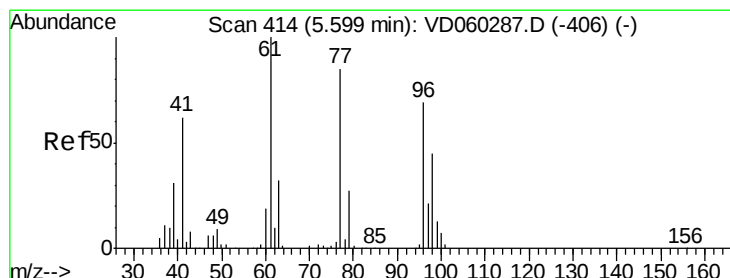
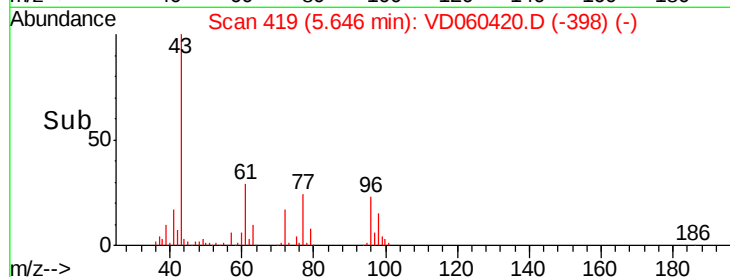
100000

0

5.50 5.60 5.70

5.65

Time-->



#26

2,2-Dichloropropane

Concen: 54.749 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060420.D

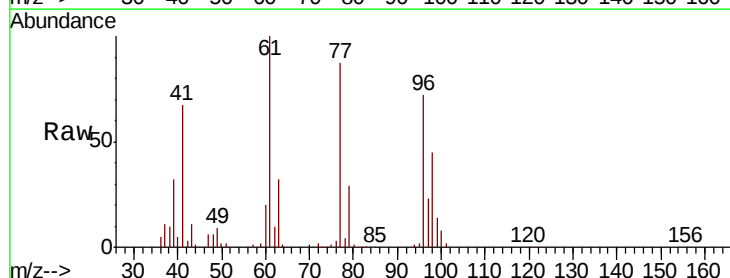
Acq: 20 Nov 2018 10:37

Tgt Ion: 77 Resp: 1105932

Ion Ratio Lower Upper

77 100

97 26.4 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

400000

300000

200000

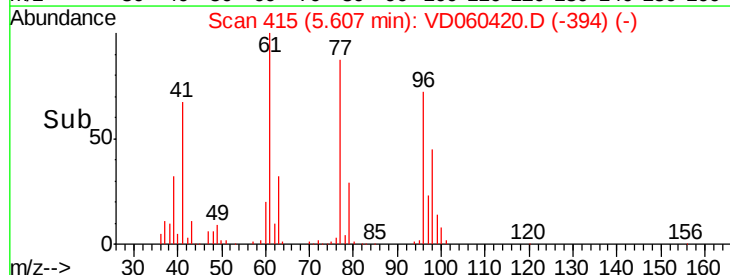
100000

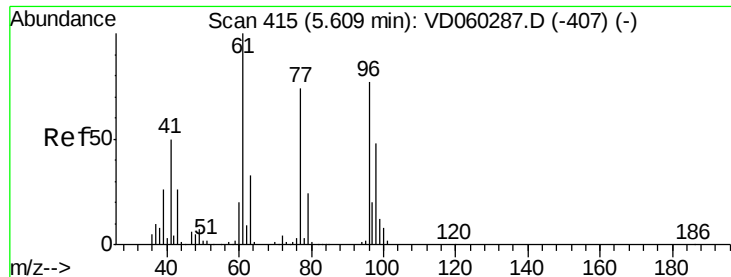
0

5.50 5.60 5.70 5.80

5.61

Time-->



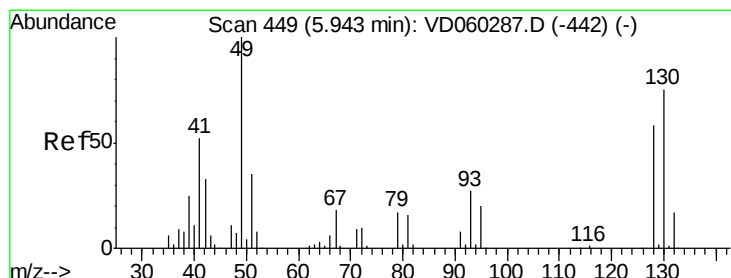
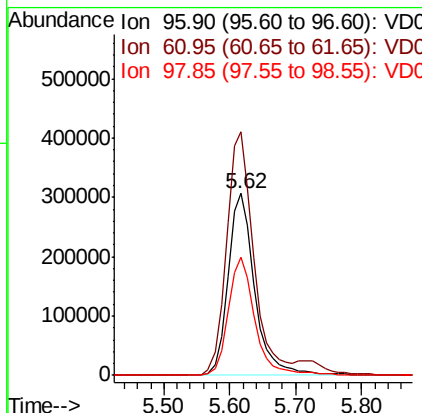
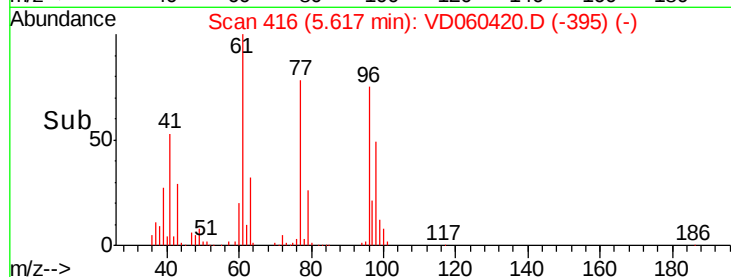
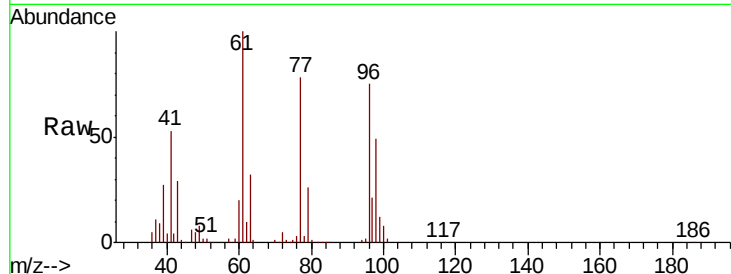


#27

cis-1,2-Dichloroethene
Concen: 53.069 ug/l
RT: 5.62 min Scan# 416
Delta R.T. 0.01 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

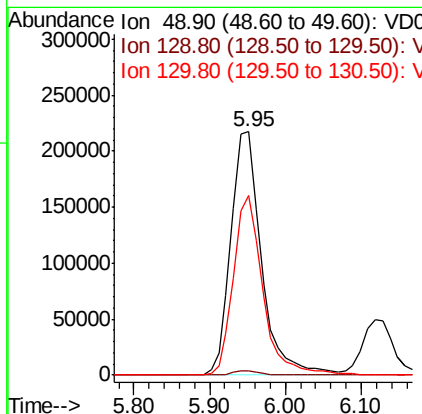
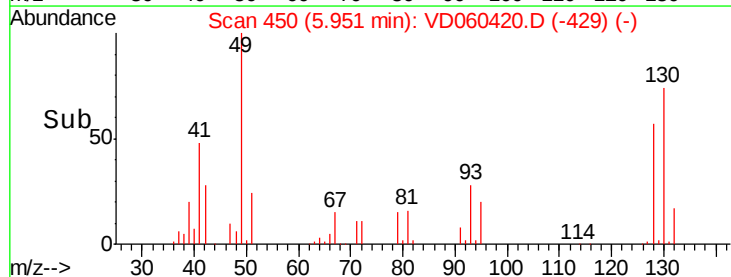
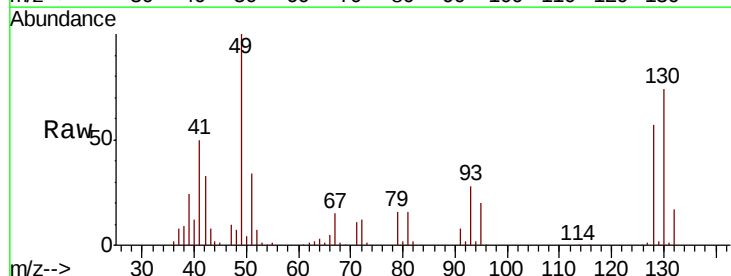
Tot Ion: 96 Resp: 870071
Ion Ratio Lower Upper
96 100
61 133.9 0.0 259.0
98 65.1 0.0 128.8

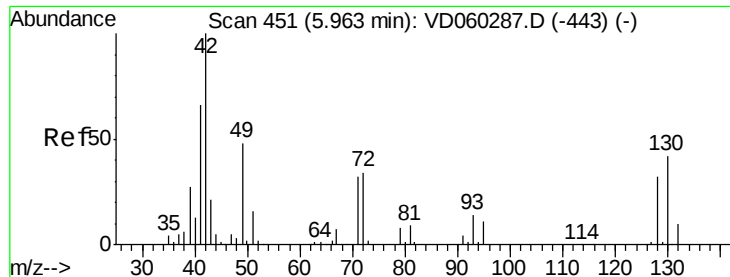


#28

Bromochloromethane
Concen: 53.040 ug/l
RT: 5.95 min Scan# 450
Delta R.T. 0.01 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Tgt Ion: 49 Resp: 608060
Ion Ratio Lower Upper
49 100
129 2.0 0.0 2.8
130 73.5 53.6 80.4





#29

Tetrahydrofuran

Concen: 247.018 ug/l

RT: 5.97 min Scan# 452

Delta R.T. 0.01 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

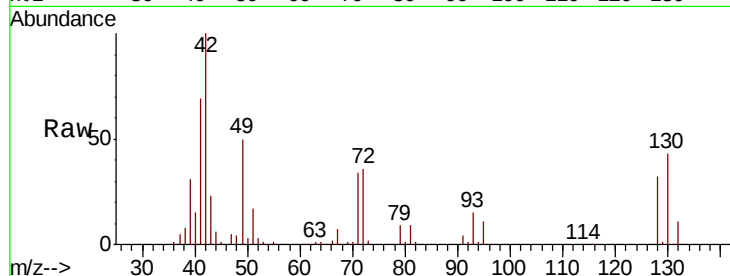
Tot Ion: 42 Resp: 488386

Ion Ratio Lower Upper

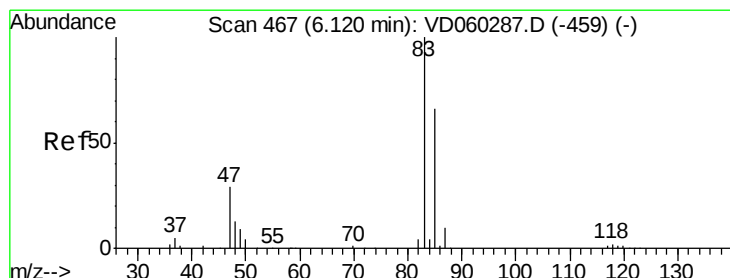
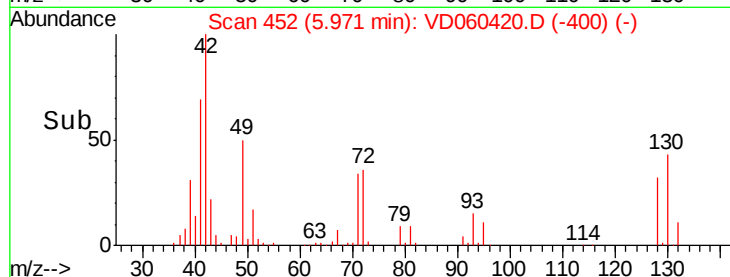
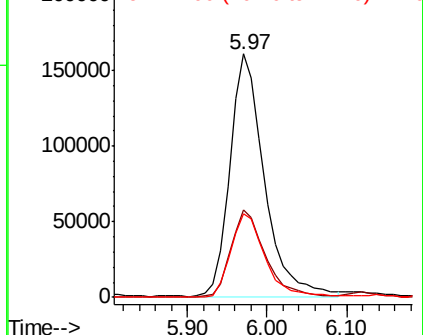
42 100

72 35.9 27.6 41.4

71 34.3 26.5 39.7



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 54.926 ug/l

RT: 6.12 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD060420.D

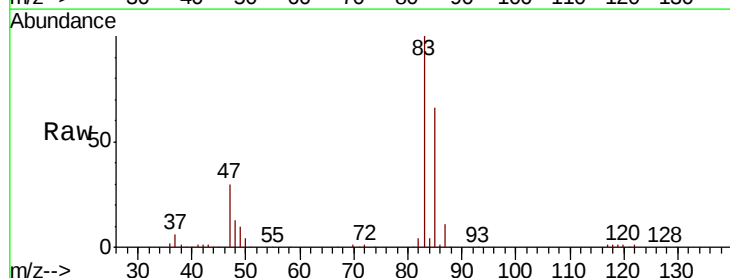
Acq: 20 Nov 2018 10:37

Tgt Ion: 83 Resp: 1426672

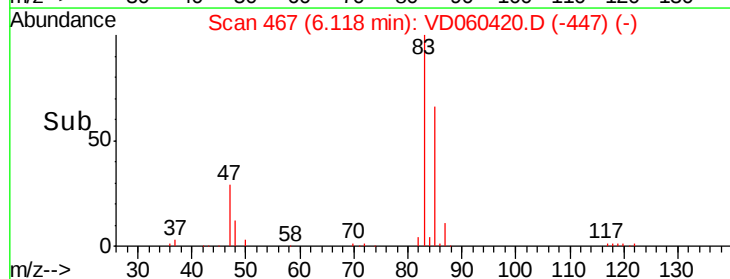
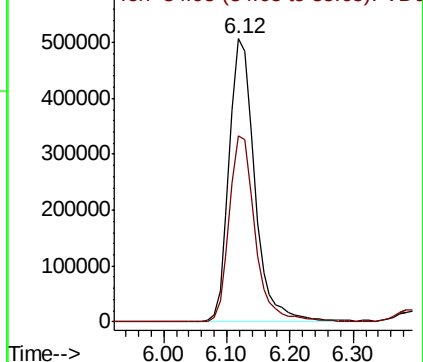
Ion Ratio Lower Upper

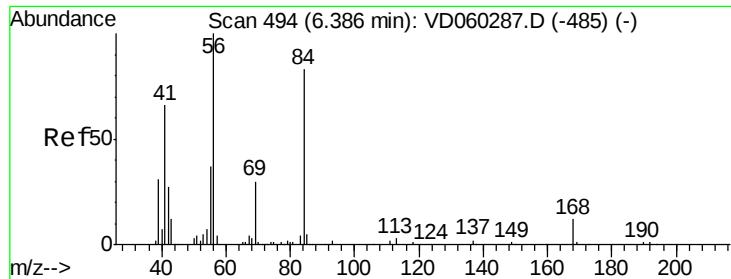
83 100

85 65.6 52.5 78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

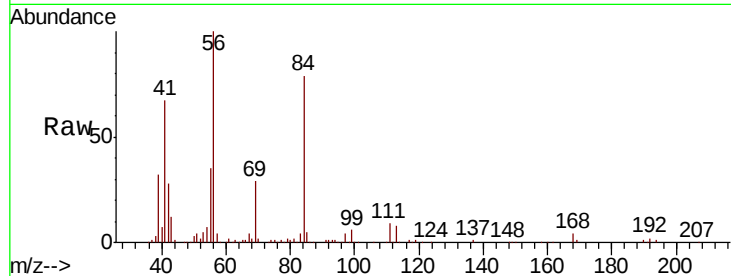




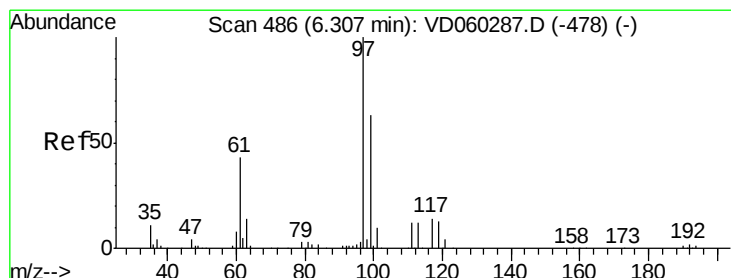
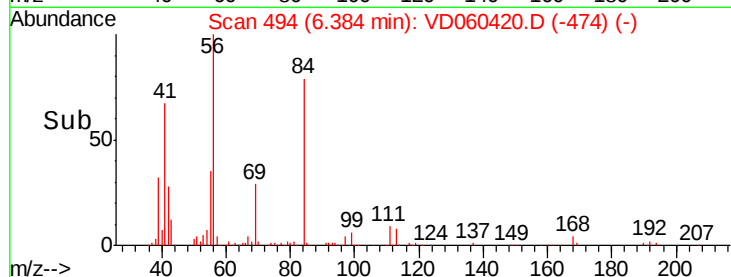
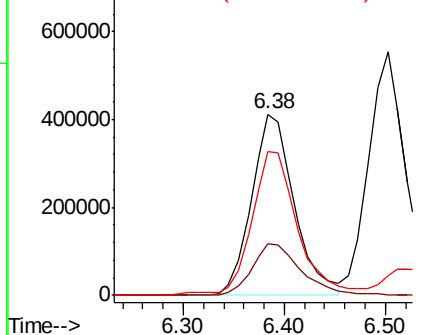
#31
Cyclohexane
Concen: 48.679 ug/l
RT: 6.38 min Scan# 494
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1208866
Ion Ratio Lower Upper
56 100
69 28.7 22.2 33.2
84 79.2 63.0 94.4

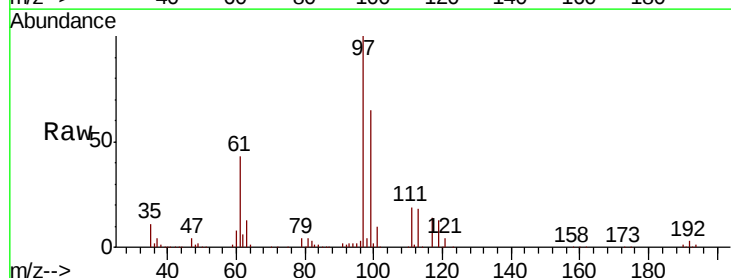


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

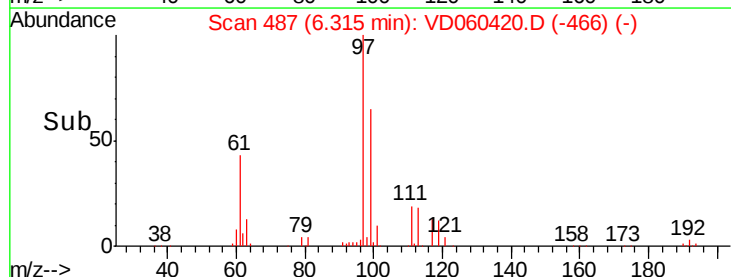
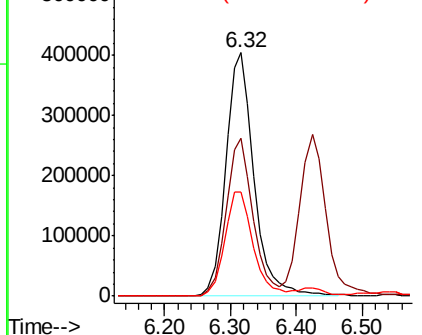


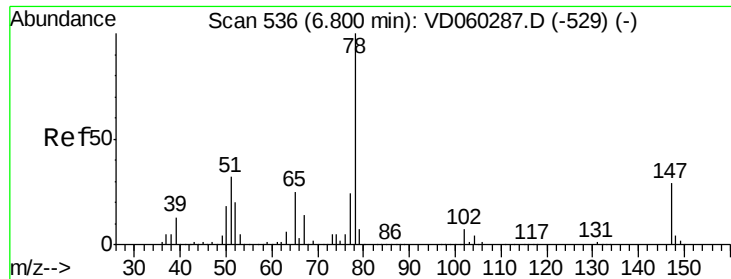
#32
1,1,1-Trichloroethane
Concen: 55.125 ug/l
RT: 6.32 min Scan# 487
Delta R.T. 0.01 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Tgt Ion: 97 Resp: 1206099
Ion Ratio Lower Upper
97 100
99 64.9 51.5 77.3
61 42.7 35.8 53.8



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 55.125 ug/l

RT: 6.81 min Scan# 537

Delta R.T. 0.01 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

Instrument :

MSVOA_D

ClientSampleId :

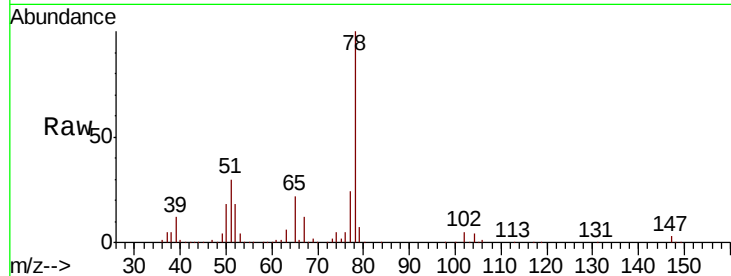
VSTDCCC050

Tot Ion: 65 Resp: 558507

Ion Ratio Lower Upper

65 100

67 52.0 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.81

200000

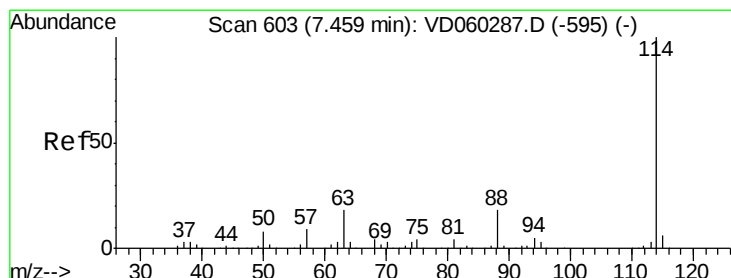
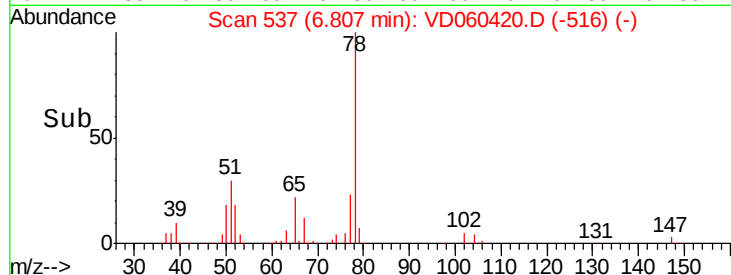
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.46 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

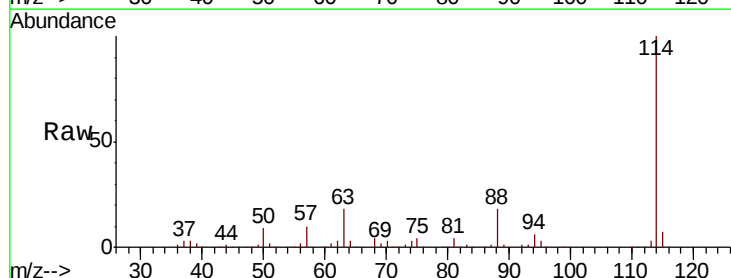
Tgt Ion:114 Resp: 2090874

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.0

88 18.3 0.0 35.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

7.46

1200000

1000000

800000

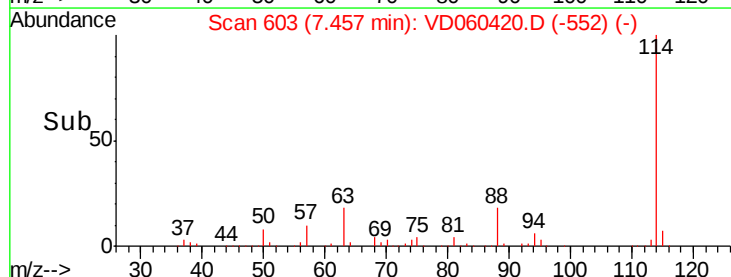
600000

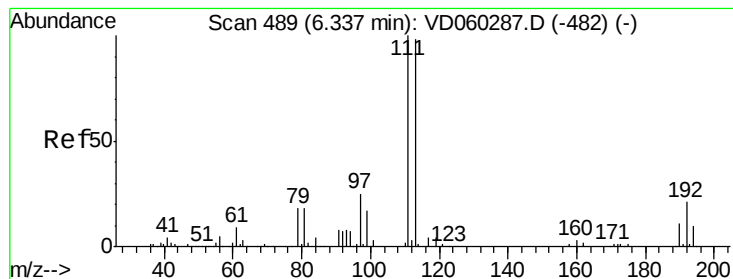
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.34 min Scan# 490

Delta R.T. 0.01 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

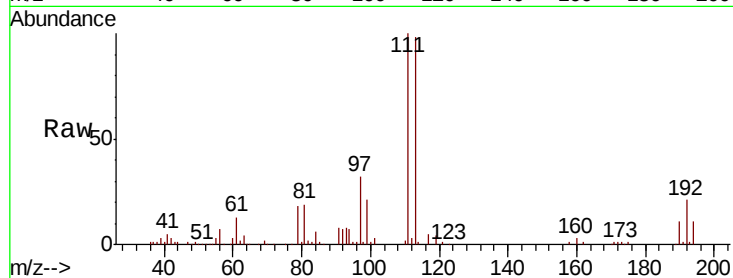
Tot Ion:113 Resp: 847739

Ion Ratio Lower Upper

113 100

111 102.3 81.6 122.4

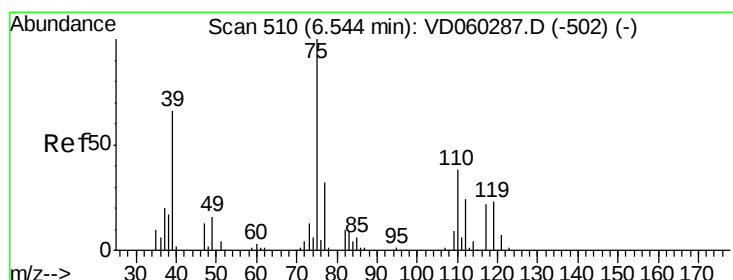
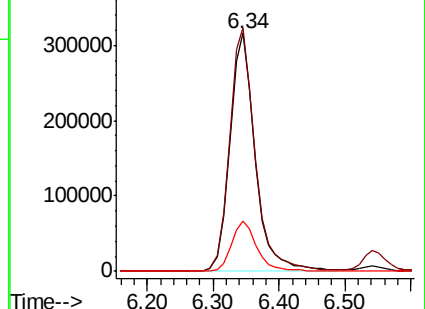
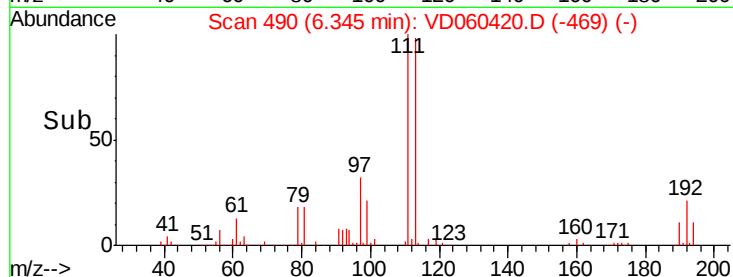
192 21.2 16.5 24.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 49.624 ug/l

RT: 6.54 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

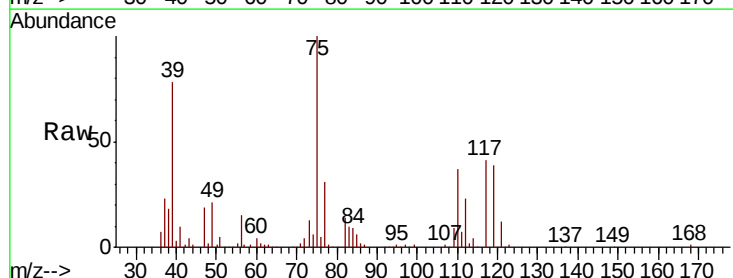
Tgt Ion: 75 Resp: 1025074

Ion Ratio Lower Upper

75 100

110 36.6 18.0 54.0

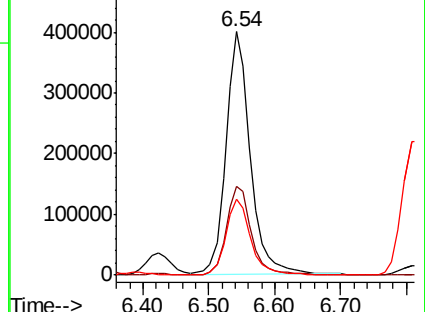
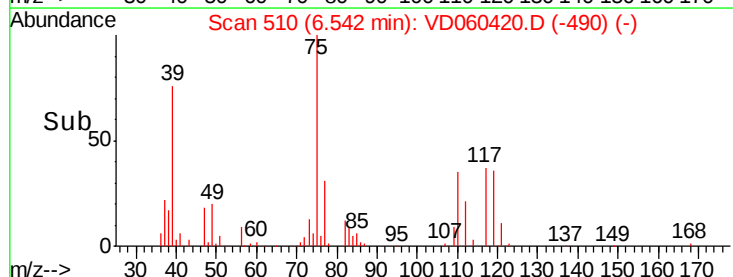
77 31.0 25.6 38.4

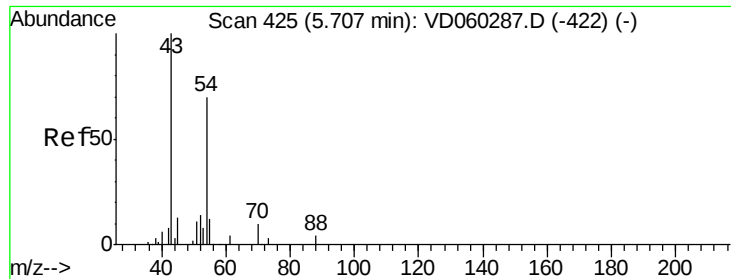


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

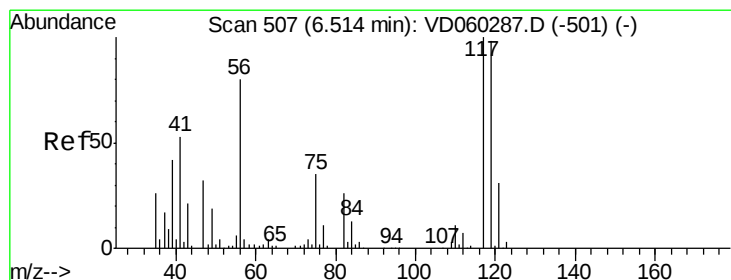
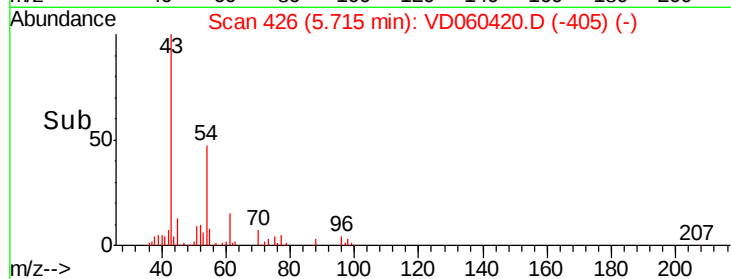
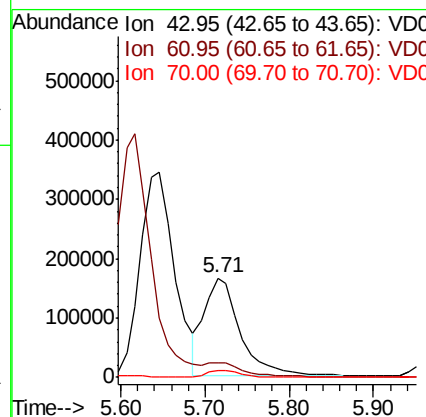
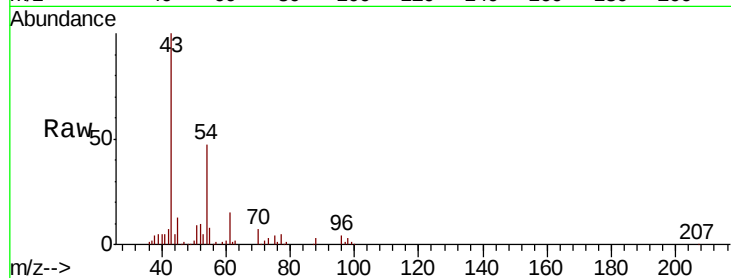




#37
Ethyl Acetate
Concen: 51.515 ug/l
RT: 5.71 min Scan# 426
Delta R.T. 0.01 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

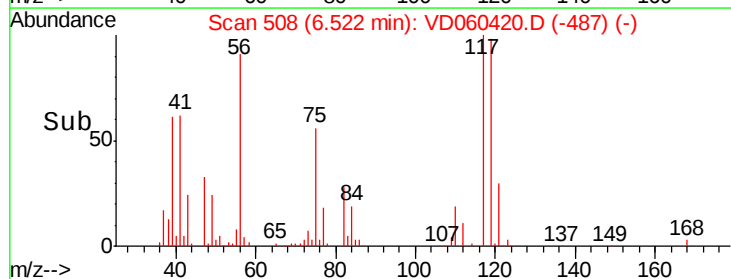
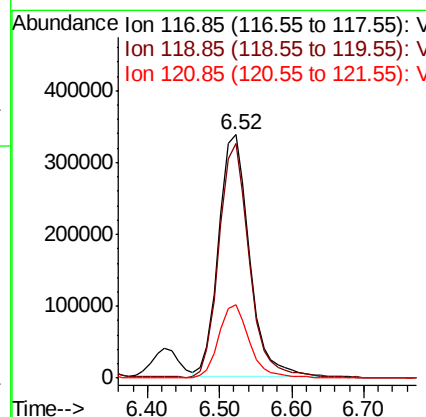
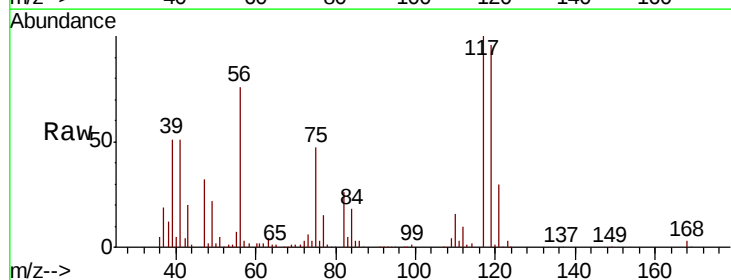
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

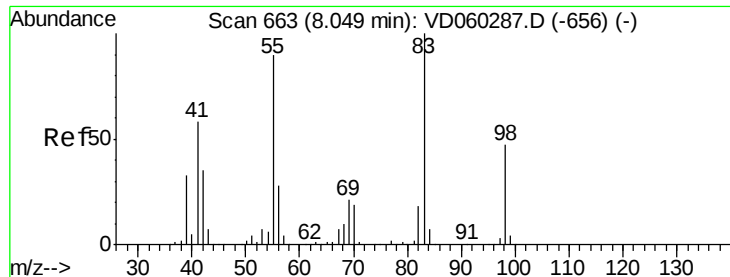
Tot Ion: 43 Resp: 489672
Ion Ratio Lower Upper
43 100
61 15.0 11.8 17.6
70 7.3 6.2 9.4



#38
Carbon Tetrachloride
Concen: 52.020 ug/l
RT: 6.52 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Tgt Ion: 117 Resp: 996817
Ion Ratio Lower Upper
117 100
119 96.5 76.6 115.0
121 30.3 24.3 36.5

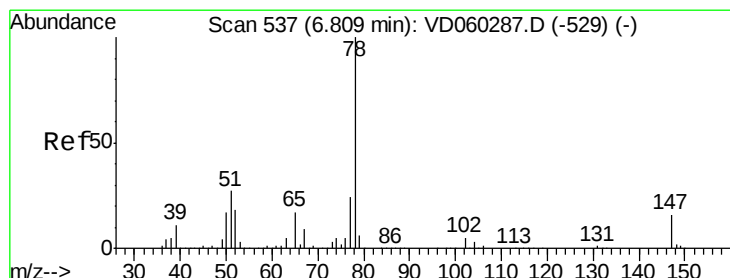
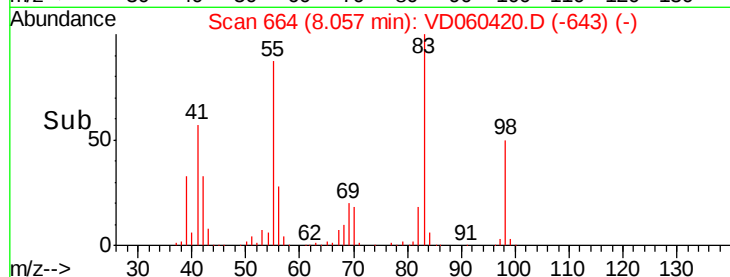
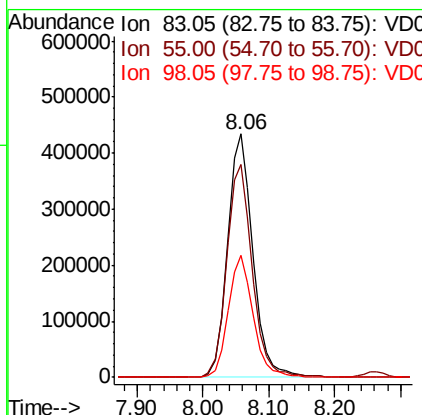
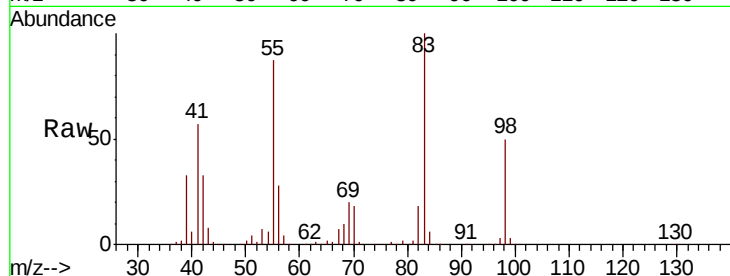




#39
Methvlcvclohexane
Concen: 49.154 ug/l
RT: 8.06 min Scan# 664
Delta R.T. 0.01 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

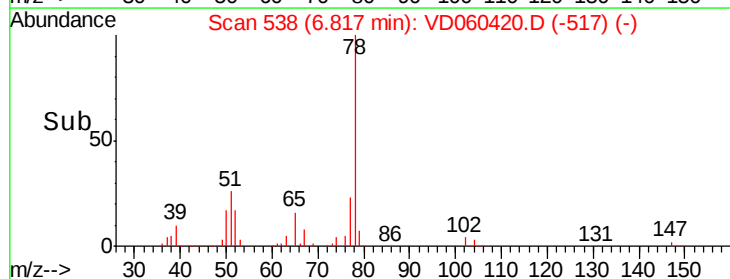
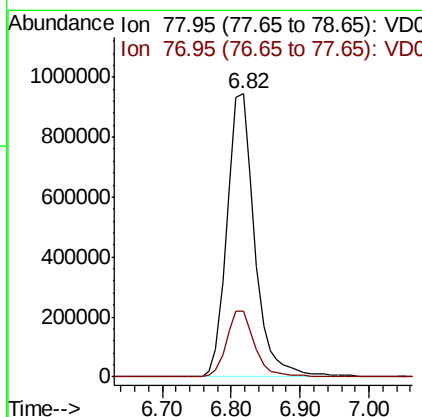
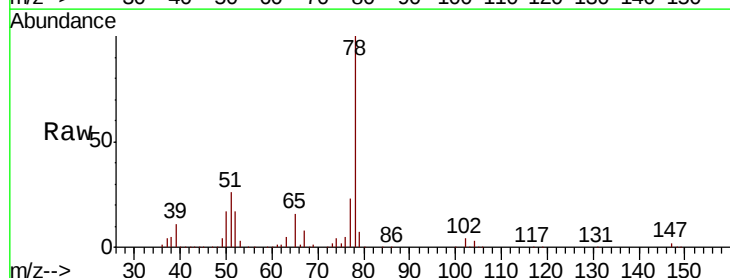
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

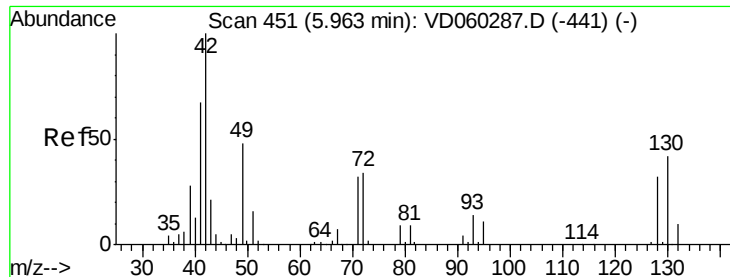
Tot Ion: 83 Resp: 1167843
Ion Ratio Lower Upper
83 100
55 87.2 71.2 106.8
98 50.1 38.4 57.6



#40
Benzene
Concen: 49.887 ug/l
RT: 6.82 min Scan# 538
Delta R.T. 0.01 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Tgt Ion: 78 Resp: 2630522
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2





#41

Methacrylonitrile

Concen: 49.869 ug/l

RT: 5.96 min Scan# 451

Delta R.T. -0.00 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 542550

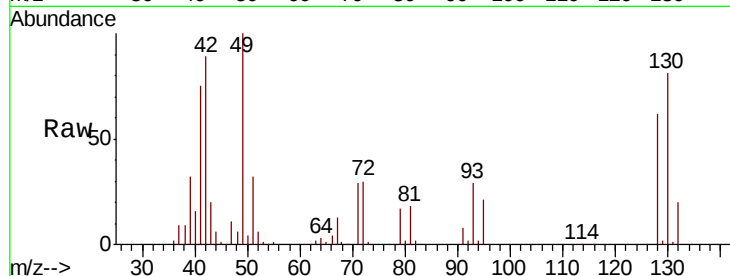
Ion Ratio Lower Upper

41 100

39 43.0 36.2 54.2

67 17.8 11.9 17.9

52 7.8 5.2 7.8

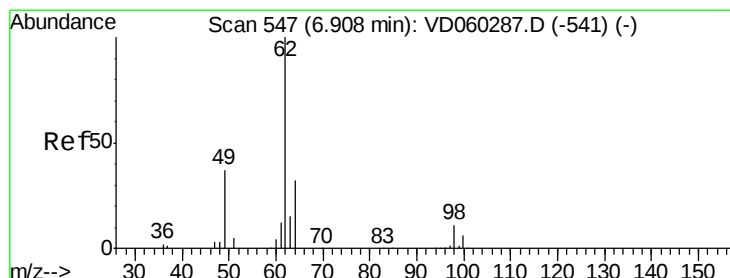
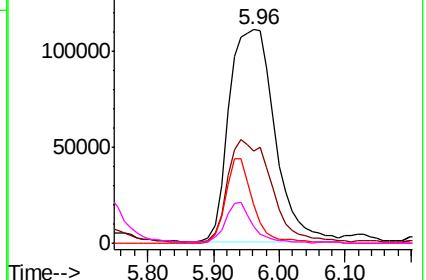
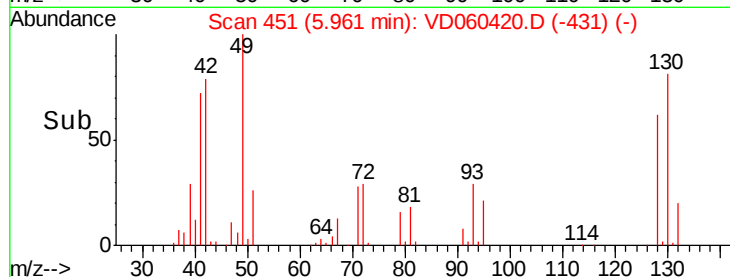


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 51.171 ug/l

RT: 6.92 min Scan# 548

Delta R.T. 0.01 min

Lab File: VD060420.D

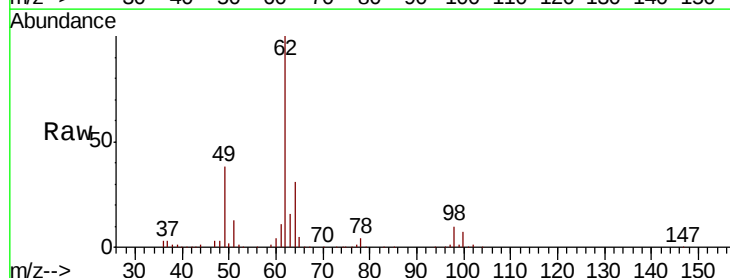
Acq: 20 Nov 2018 10:37

Tgt Ion: 62 Resp: 706236

Ion Ratio Lower Upper

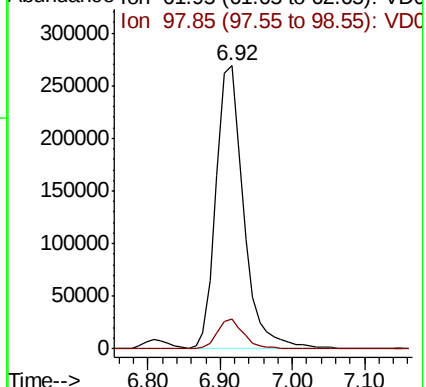
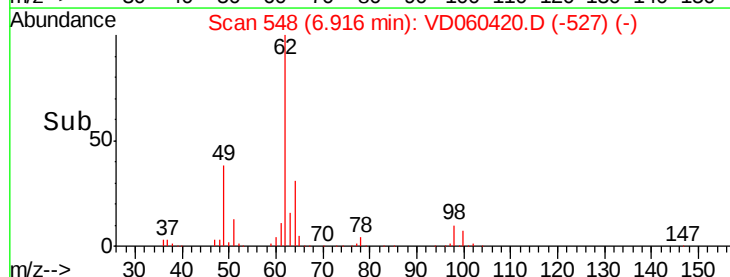
62 100

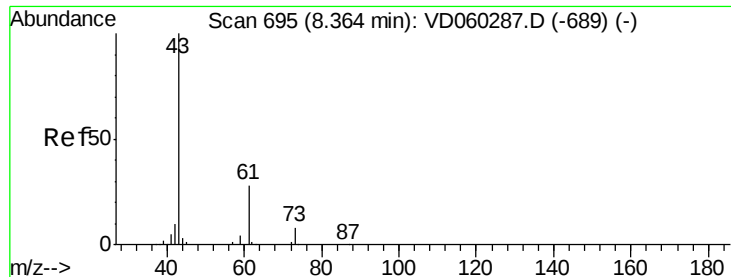
98 10.4 0.0 22.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 51.179 ug/l

RT: 8.36 min Scan# 695

Delta R.T. -0.00 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

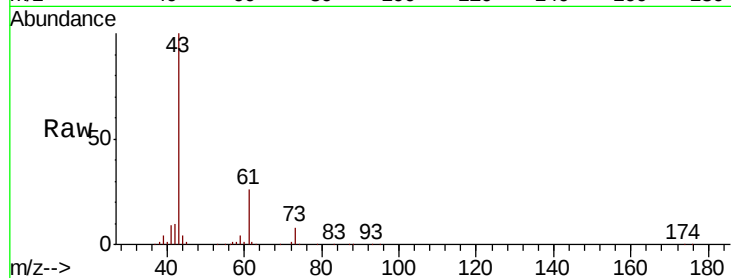
Tot Ion: 43 Resp: 611077

Ion Ratio Lower Upper

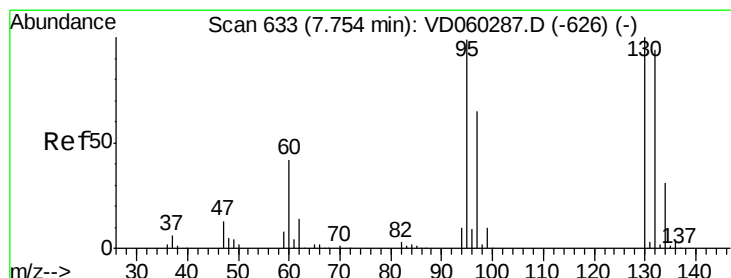
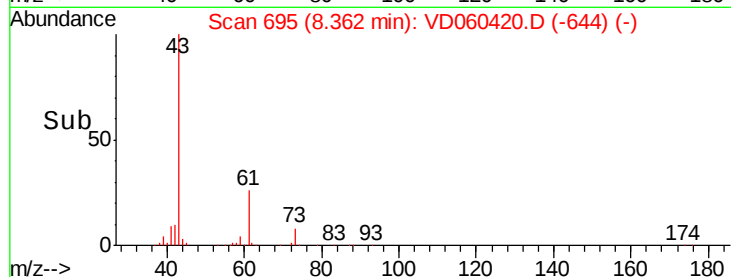
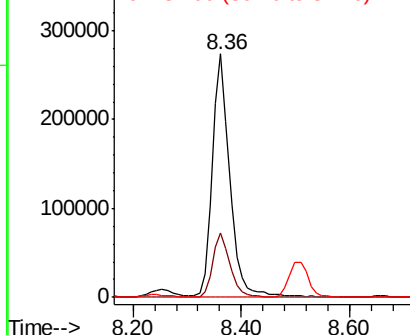
43 100

61 26.5 22.3 33.5

87 0.3 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.301 ug/l

RT: 7.75 min Scan# 633

Delta R.T. -0.00 min

Lab File: VD060420.D

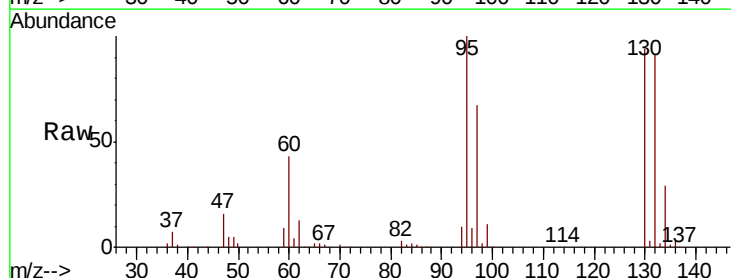
Acq: 20 Nov 2018 10:37

Tgt Ion:130 Resp: 820003

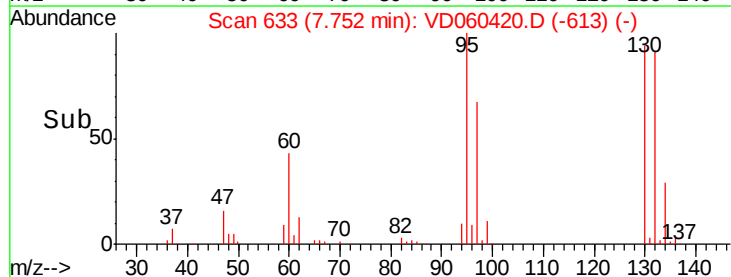
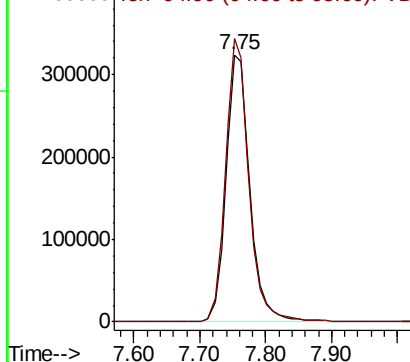
Ion Ratio Lower Upper

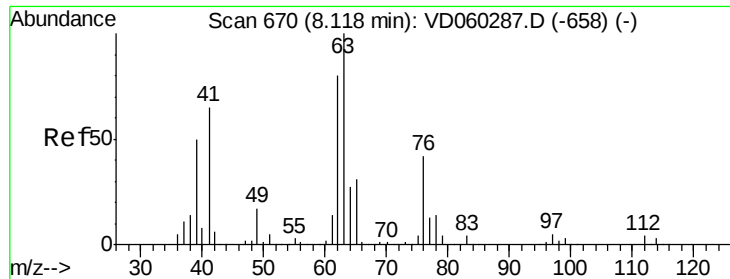
130 100

95 105.9 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VDC

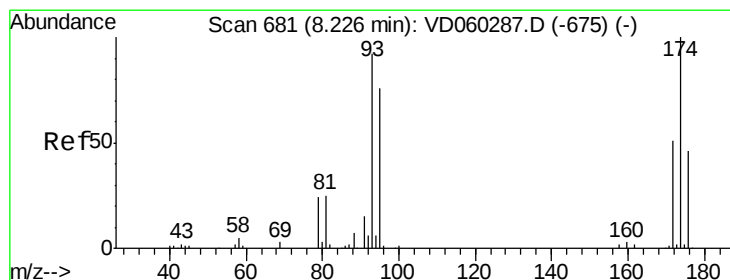
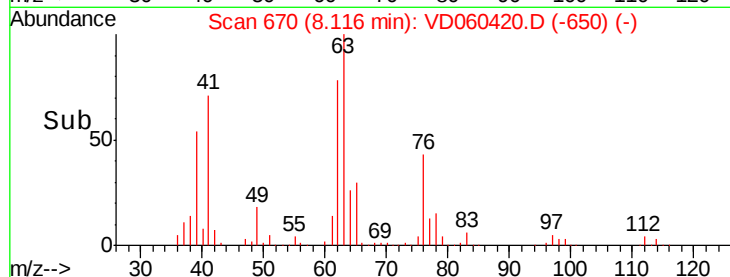
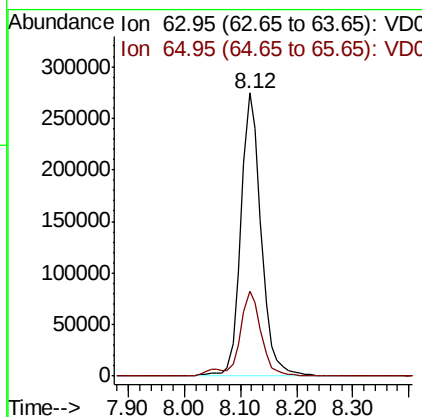
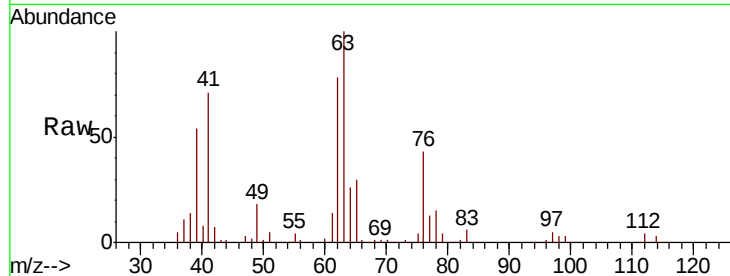




#45
 1,2-Dichloropropane
 Concen: 52.006 ug/l
 RT: 8.12 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

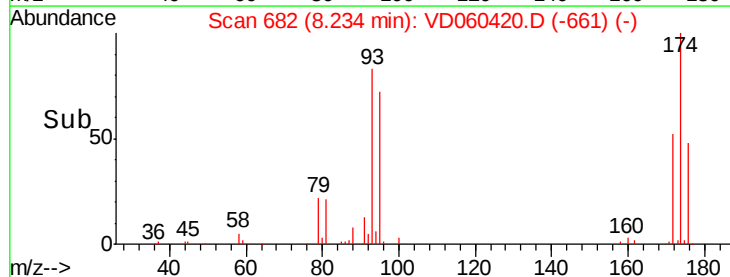
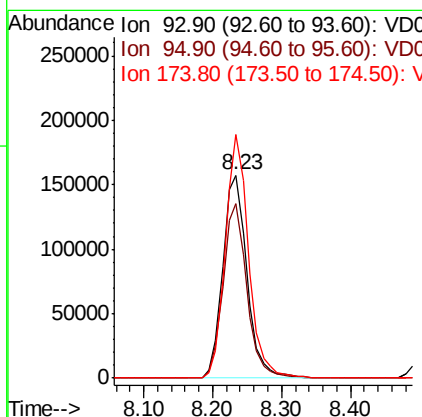
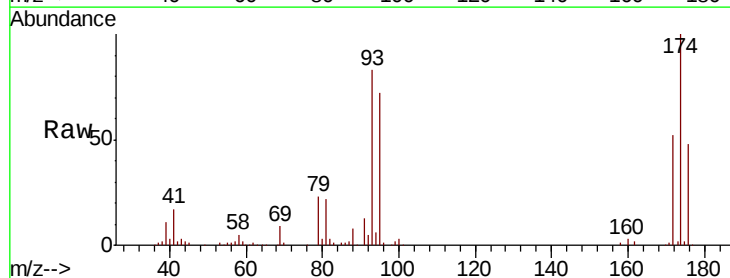
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

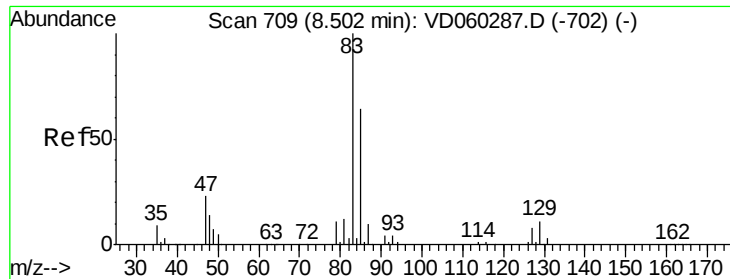
Tot Ion: 63 Resp: 691597
 Ion Ratio Lower Upper
 63 100
 65 30.0 23.4 35.2



#46
 Dibromomethane
 Concen: 49.144 ug/l
 RT: 8.23 min Scan# 682
 Delta R.T. 0.01 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

Tgt Ion: 93 Resp: 382767
 Ion Ratio Lower Upper
 93 100
 95 86.0 66.4 99.6
 174 119.8 87.8 131.8





#47

Bromodichloromethane

Concen: 53.025 ug/l

RT: 8.50 min Scan# 709

Delta R.T. -0.00 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

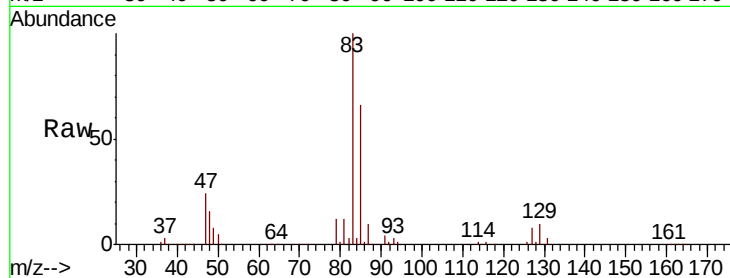
Tot Ion: 83 Resp: 973208

Ion Ratio Lower Upper

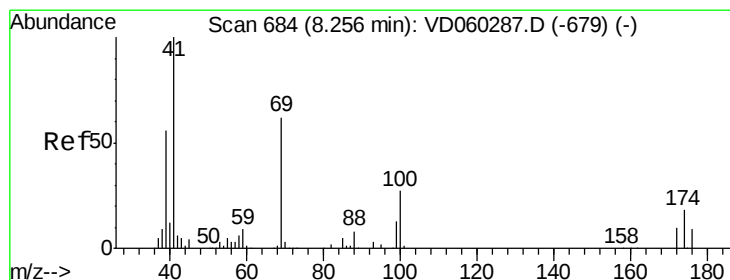
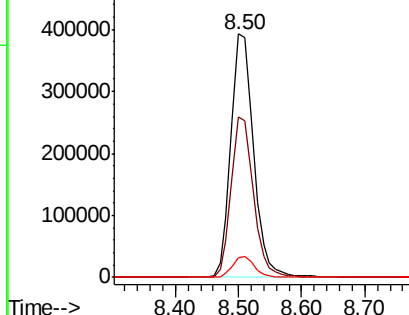
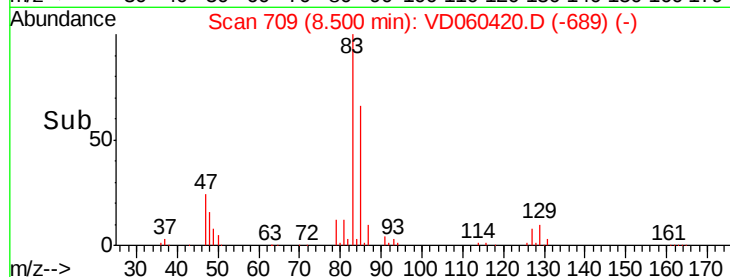
83 100

85 65.9 51.0 76.6

127 7.9 6.2 9.4



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 49.597 ug/l

RT: 8.26 min Scan# 685

Delta R.T. 0.01 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

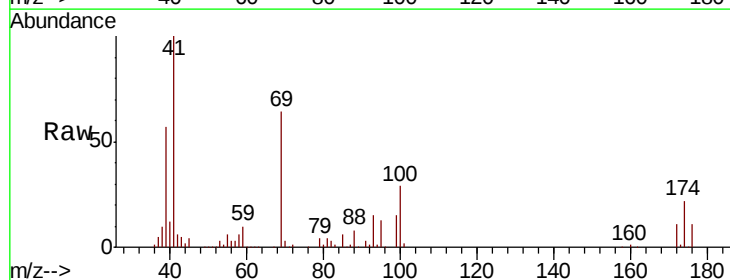
Tgt Ion: 41 Resp: 359713

Ion Ratio Lower Upper

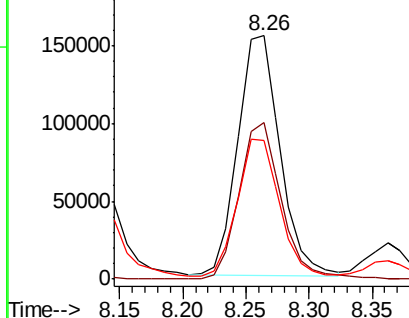
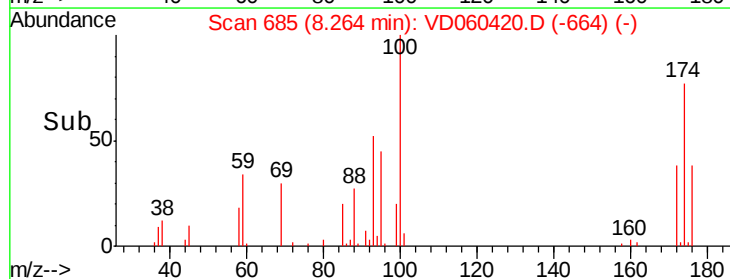
41 100

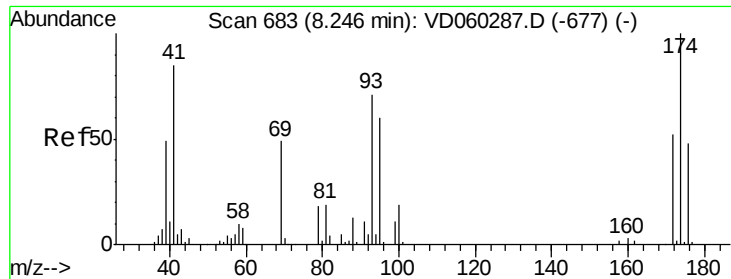
69 64.4 47.0 70.4

39 57.0 46.2 69.4



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

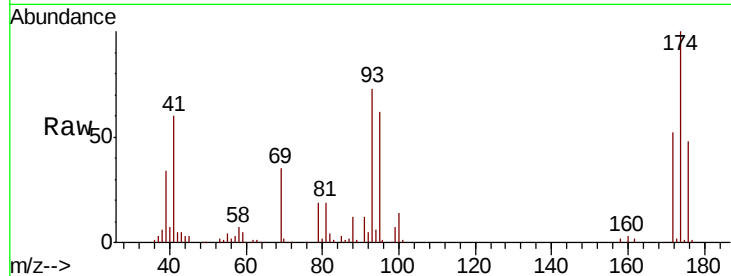




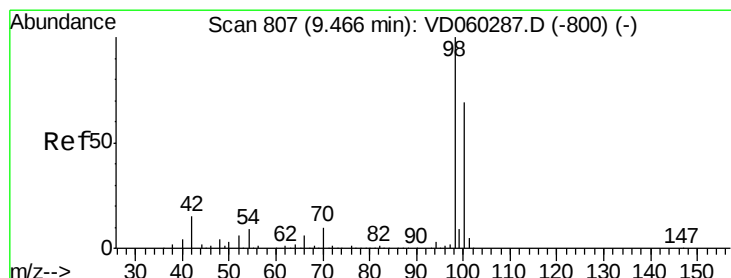
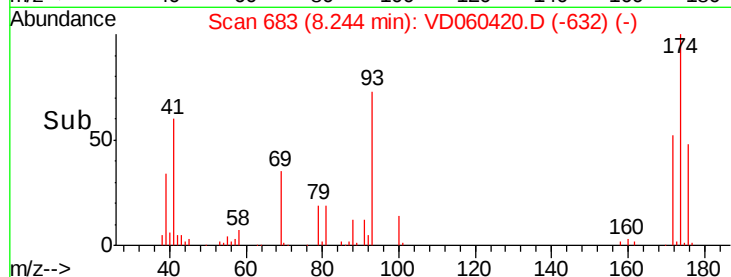
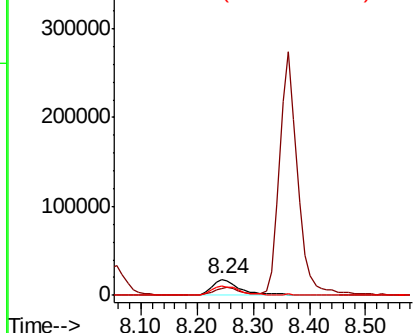
#49
1,4-Dioxane
Concen: 1025.796 ug/l
RT: 8.24 min Scan# 683
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 64371
Ion Ratio Lower Upper
88 100
43 44.9 39.7 59.5
58 60.2 60.2 90.2#

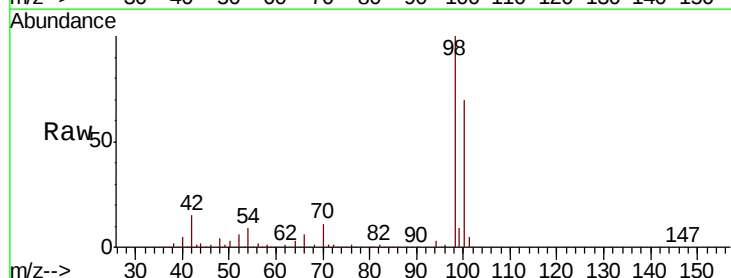


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

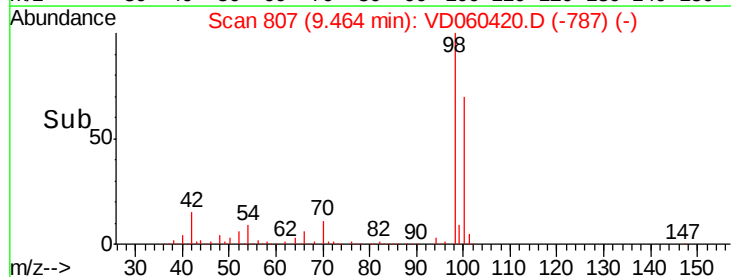
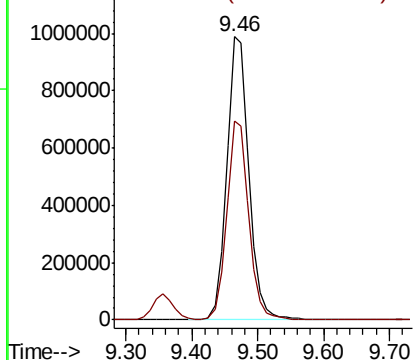


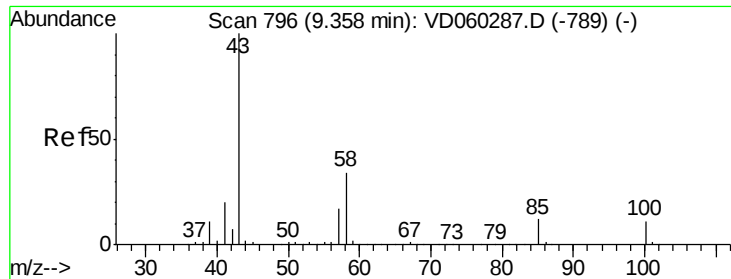
#50
Toluene-d8
Concen: 1025.796 ug/l
RT: 9.46 min Scan# 807
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Tgt Ion: 98 Resp: 2316266
Ion Ratio Lower Upper
98 100
100 70.3 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 251.362 ug/l

RT: 9.36 min Scan# 796

Delta R.T. -0.00 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

Instrument :

MSVOA_D

ClientSampleId :

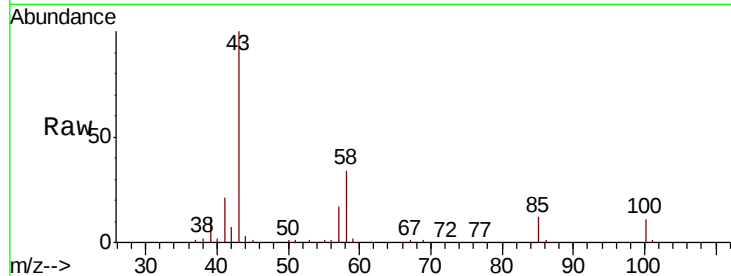
VSTDCCC050

Tot Ion: 43 Resp: 1953416

Ion Ratio Lower Upper

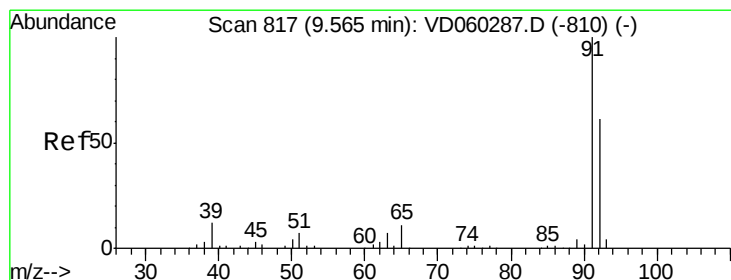
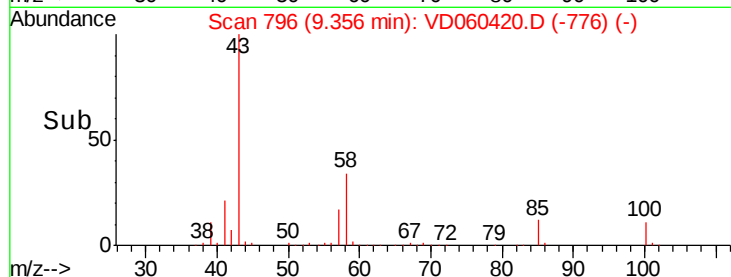
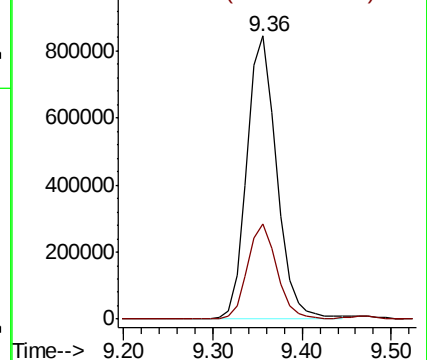
43 100

58 33.7 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 50.176 ug/l

RT: 9.56 min Scan# 817

Delta R.T. -0.00 min

Lab File: VD060420.D

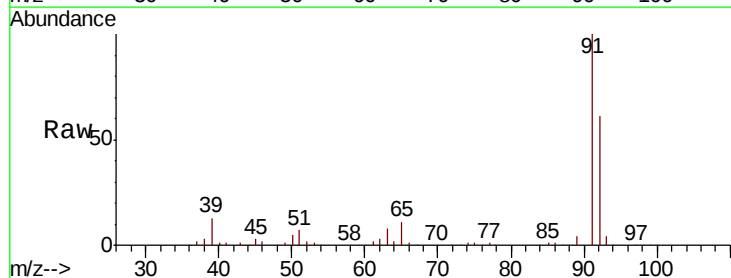
Acq: 20 Nov 2018 10:37

Tgt Ion: 92 Resp: 1690036

Ion Ratio Lower Upper

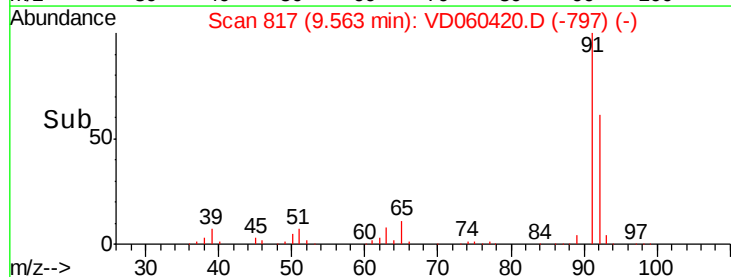
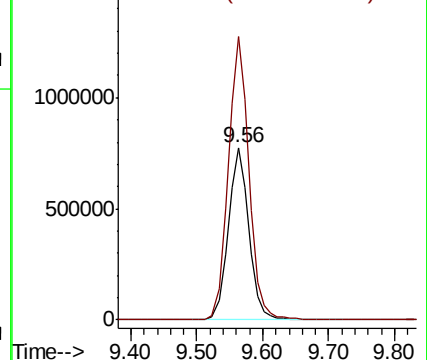
92 100

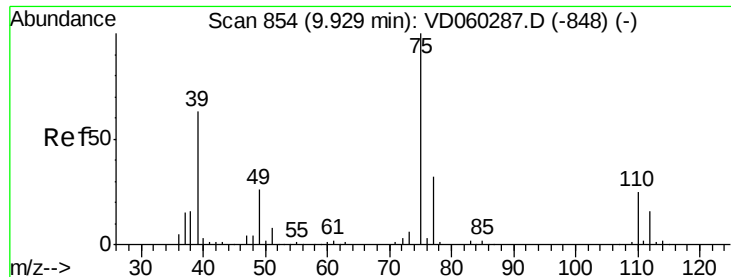
91 164.5 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

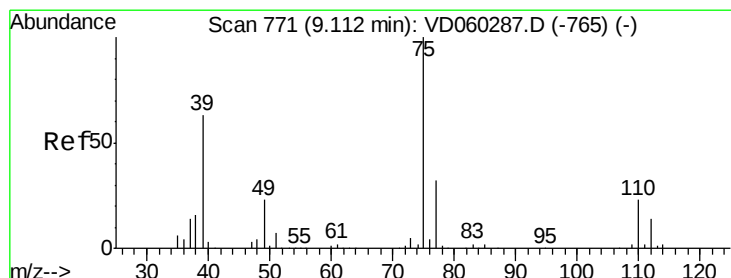
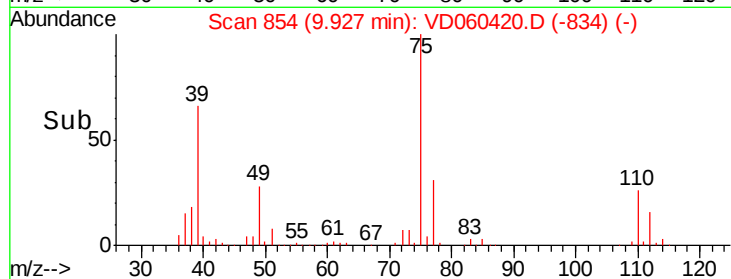
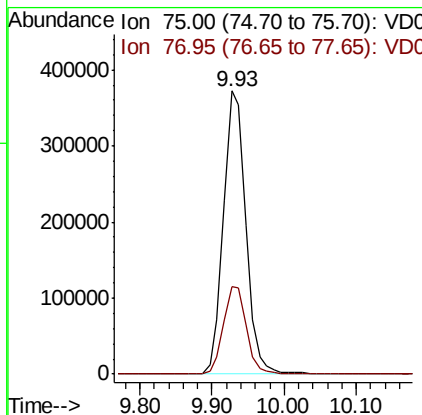
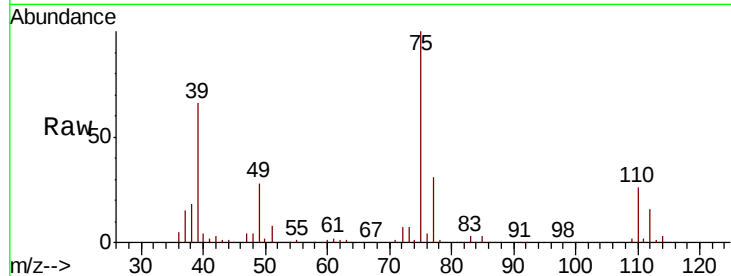




#53
 t-1,3-Dichloropropene
 Concen: 51.687 ug/l
 RT: 9.93 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

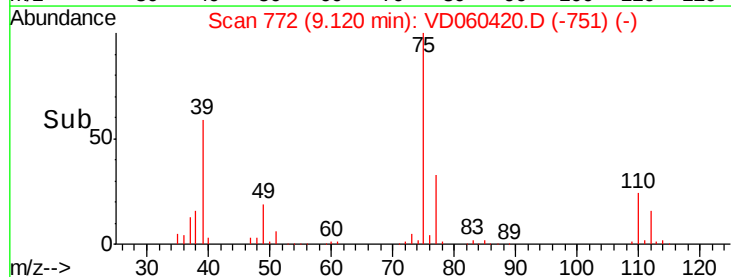
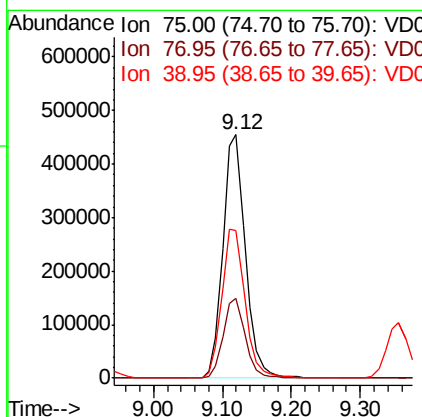
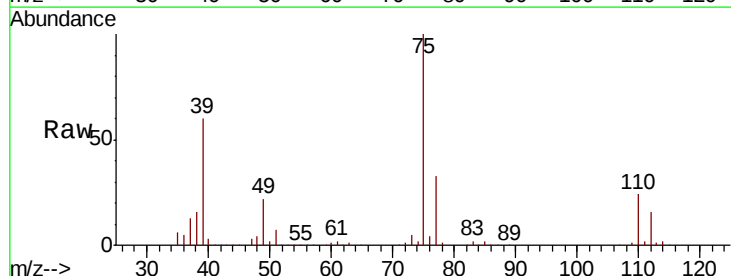
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

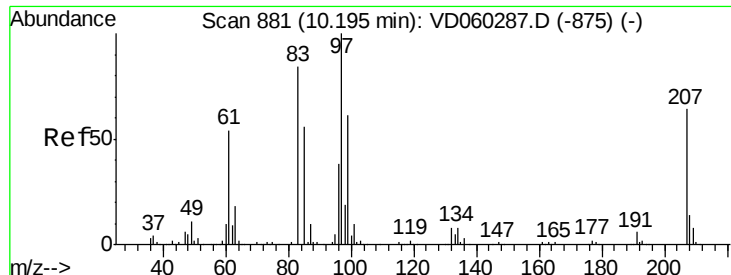
Tot Ion: 75 Resp: 801532
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 51.865 ug/l
 RT: 9.12 min Scan# 772
 Delta R.T. 0.01 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

Tgt Ion: 75 Resp: 1031600
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.3 39.5
 39 60.5 50.8 76.2





#55

1,1,2-Trichloroethane

Concen: 49.803 ug/l

RT: 10.19 min Scan# 881

Delta R.T. -0.00 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 486201

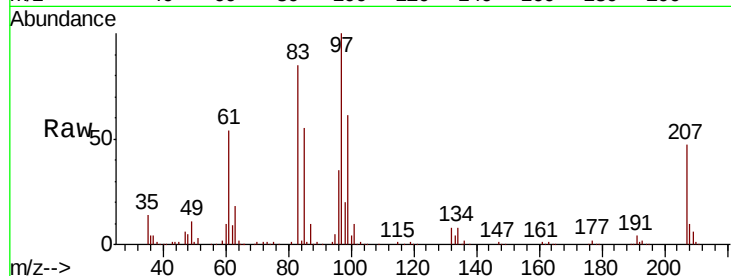
Ion Ratio Lower Upper

97 100

83 85.0 68.4 102.6

85 55.2 46.8 70.2

99 61.2 49.5 74.3

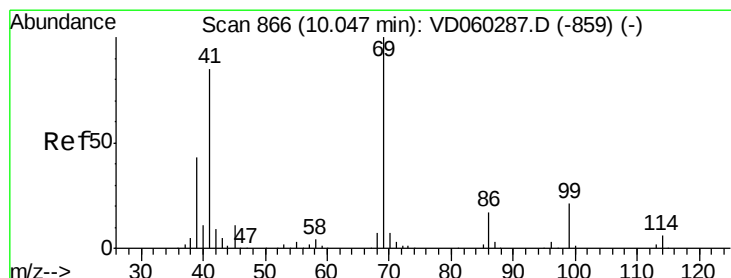
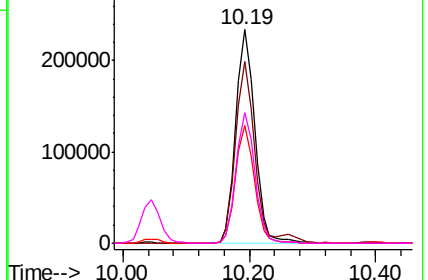
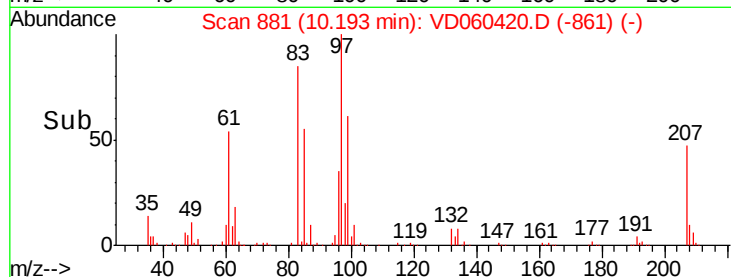


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 53.236 ug/l

RT: 10.04 min Scan# 866

Delta R.T. -0.00 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

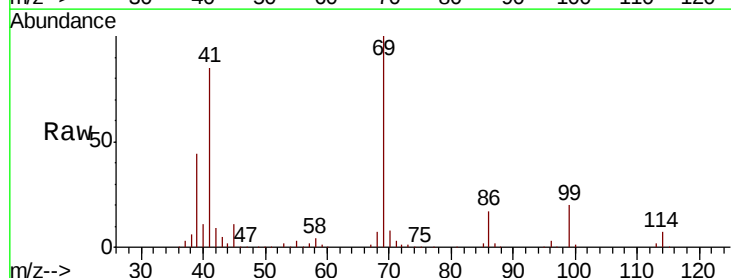
Tgt Ion: 69 Resp: 477851

Ion Ratio Lower Upper

69 100

41 85.2 69.0 103.4

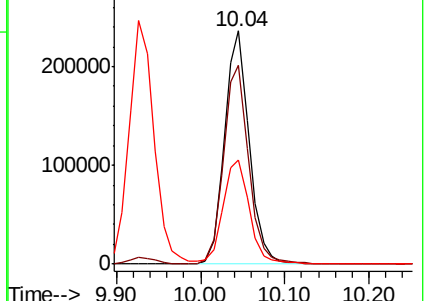
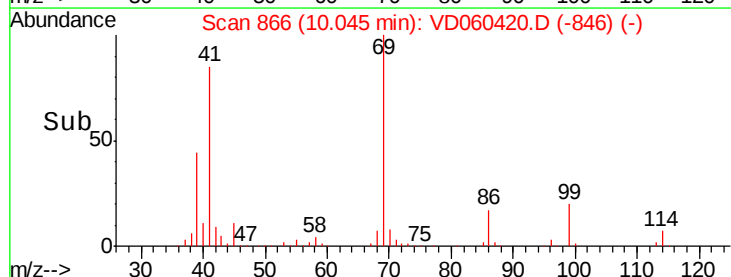
39 44.4 36.6 54.8

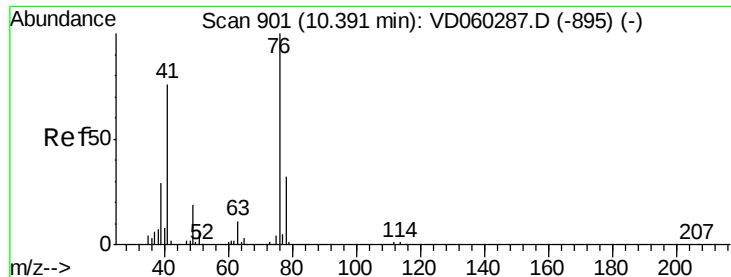


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 50.001 ug/l

RT: 10.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

Instrument :

MSVOA_D

ClientSampleId :

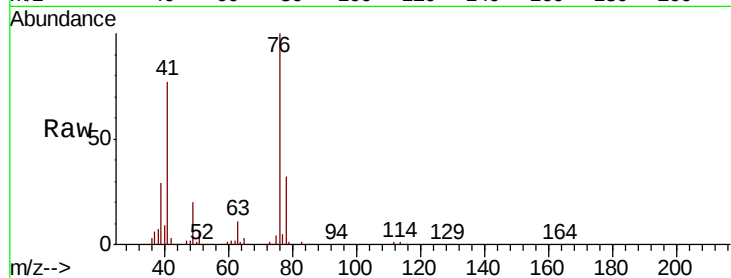
VSTDCCC050

Tot Ion: 76 Resp: 743808

Ion Ratio Lower Upper

76 100

78 31.9 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.39

400000

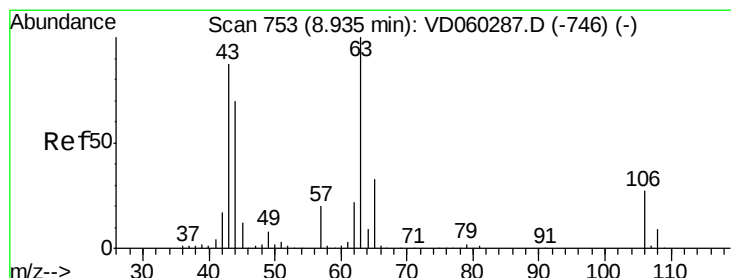
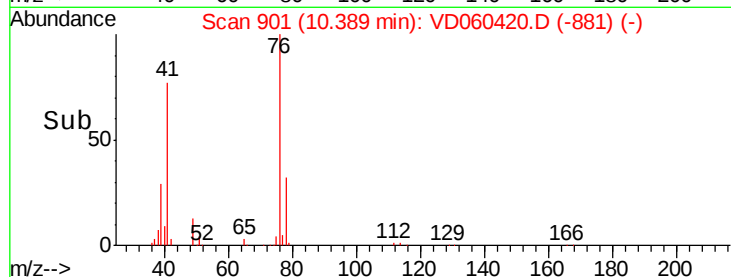
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 244.154 ug/l

RT: 8.93 min Scan# 753

Delta R.T. -0.00 min

Lab File: VD060420.D

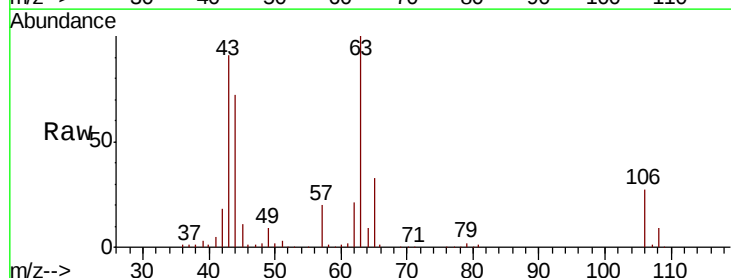
Acq: 20 Nov 2018 10:37

Tgt Ion: 63 Resp: 1325116

Ion Ratio Lower Upper

63 100

106 26.8 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.93

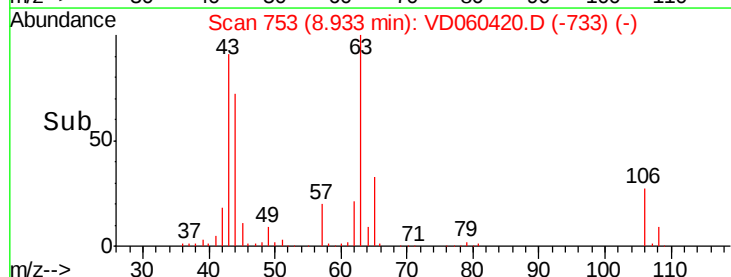
600000

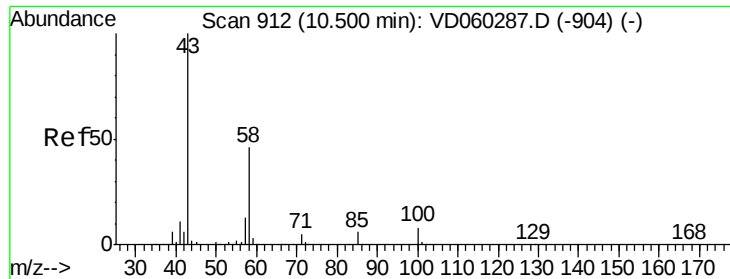
400000

200000

0

Time-->

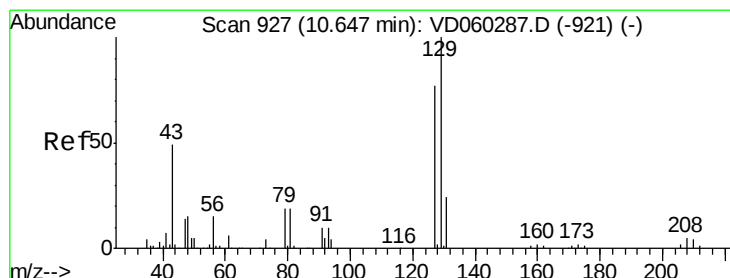
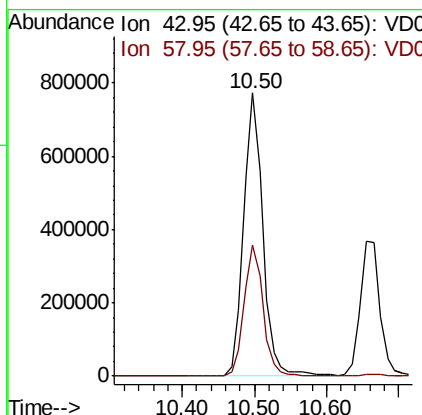
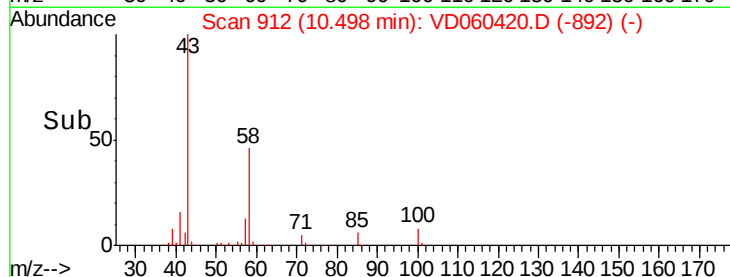
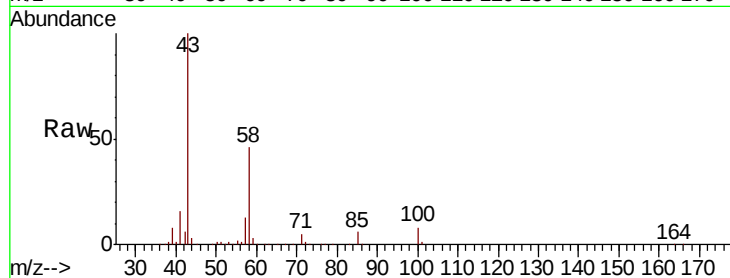




#59
2-Hexanone
Concen: 260.777 ug/l
RT: 10.50 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

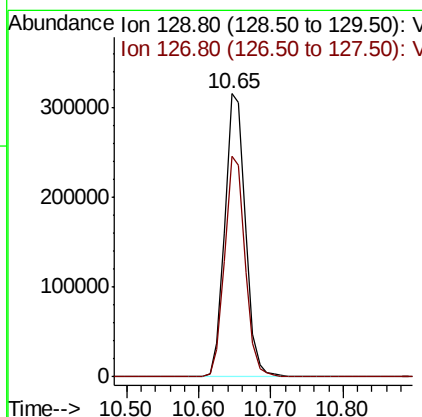
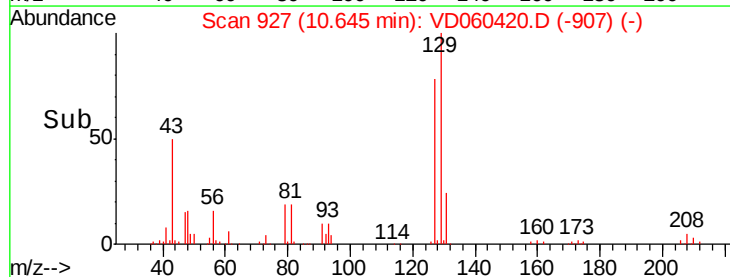
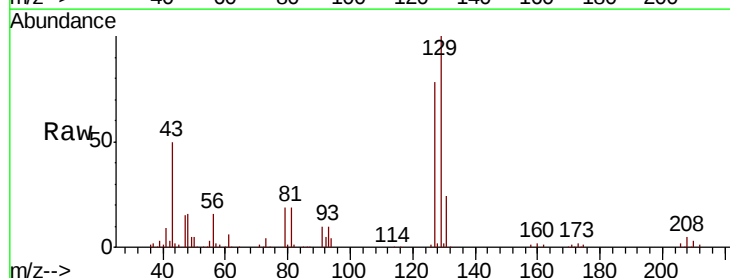
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

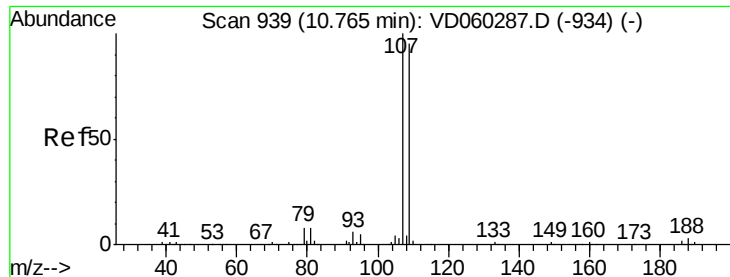
Tot Ion: 43 Resp: 1444426
Ion Ratio Lower Upper
43 100
58 46.2 22.9 68.5



#60
Dibromochloromethane
Concen: 52.792 ug/l
RT: 10.65 min Scan# 927
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Tgt Ion: 129 Resp: 626485
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.6

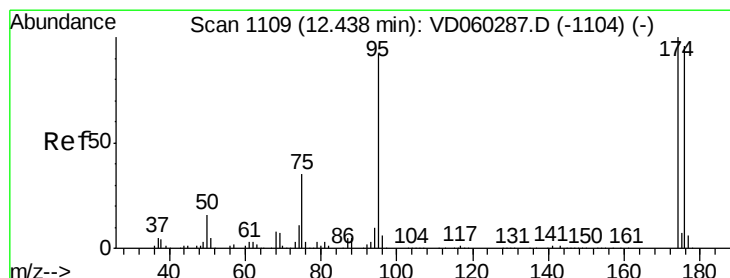
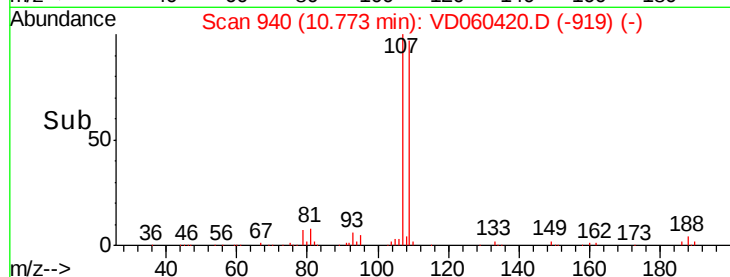
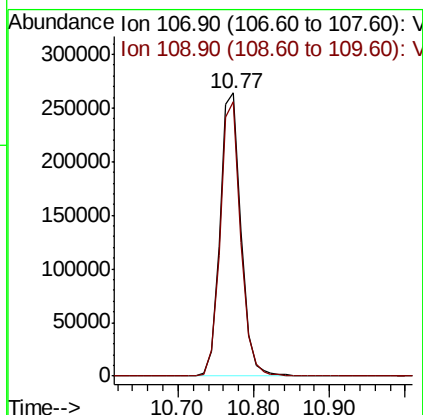
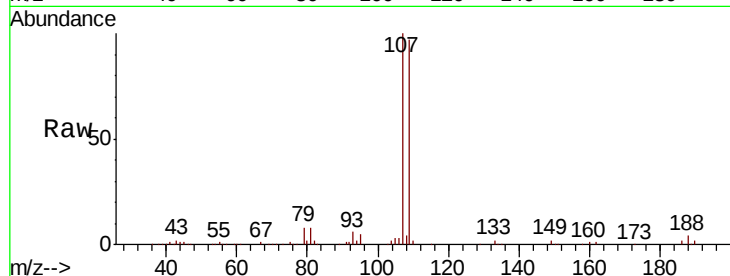




#61
 1,2-Dibromoethane
 Concen: 52.029 ug/l
 RT: 10.77 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

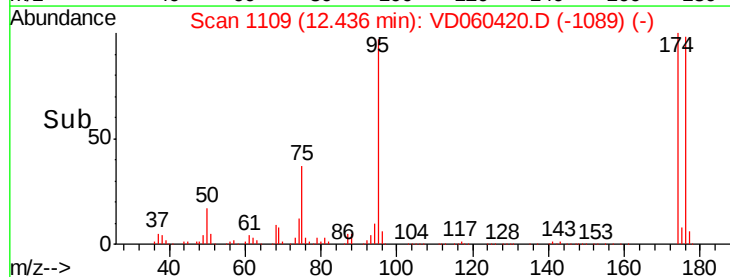
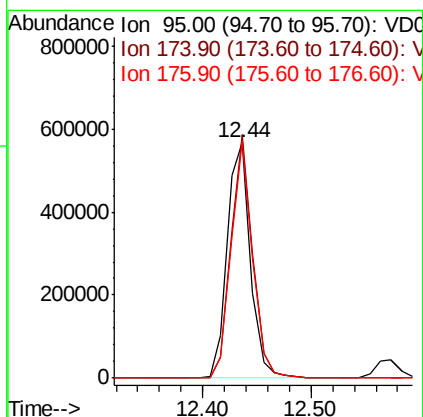
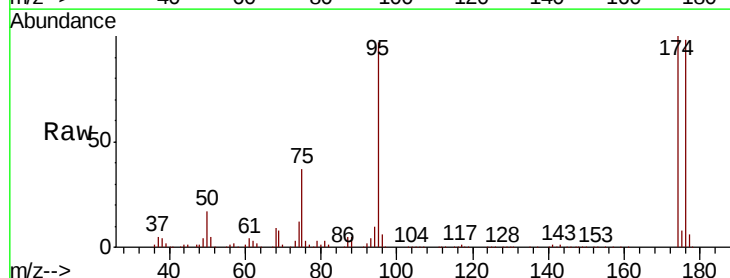
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

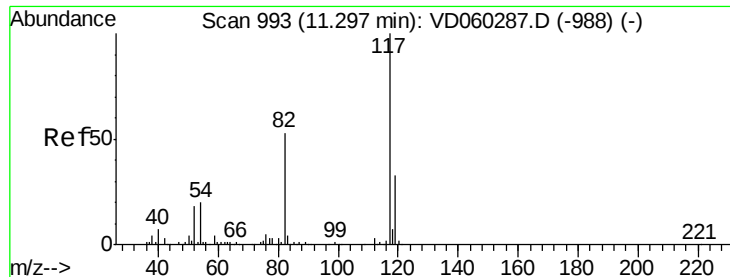
Tot Ion:107 Resp: 508922
 Ion Ratio Lower Upper
 107 100
 109 97.0 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 52.029 ug/l
 RT: 12.44 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

Tgt Ion: 95 Resp: 847291
 Ion Ratio Lower Upper
 95 100
 174 103.4 0.0 160.8
 176 100.9 0.0 154.6

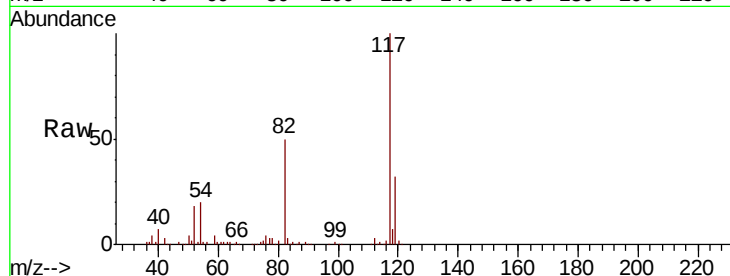




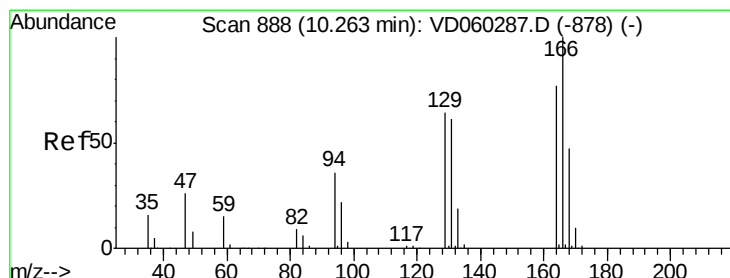
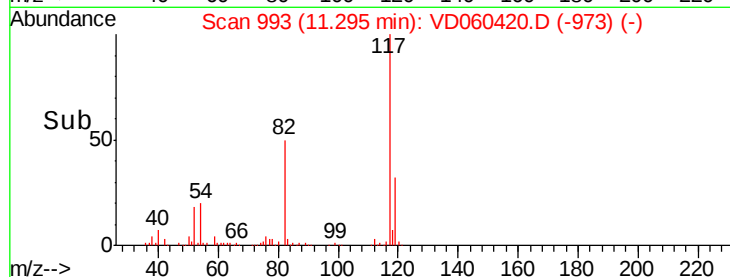
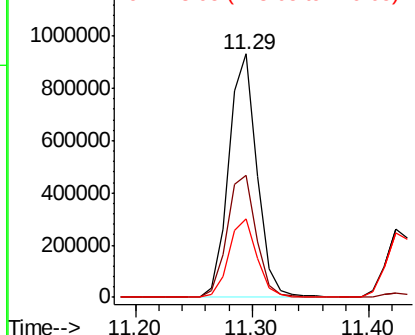
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1562929
Ion Ratio Lower Upper
117 100
82 50.3 43.7 65.5
119 32.3 26.1 39.1

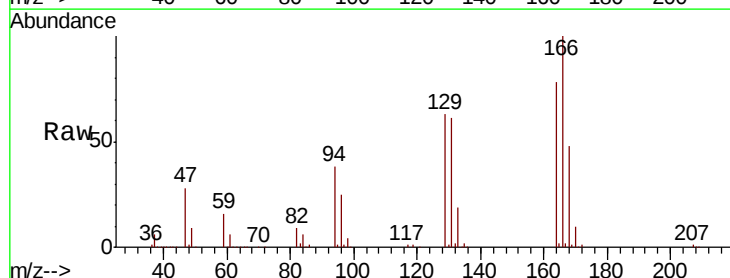


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

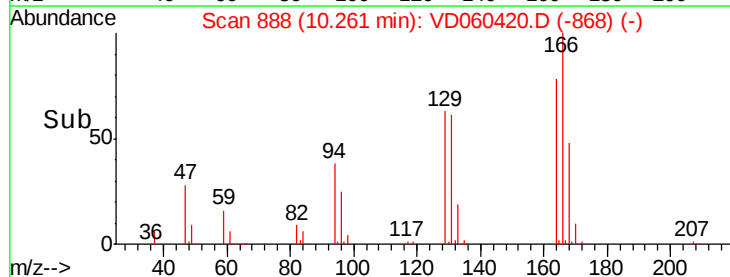
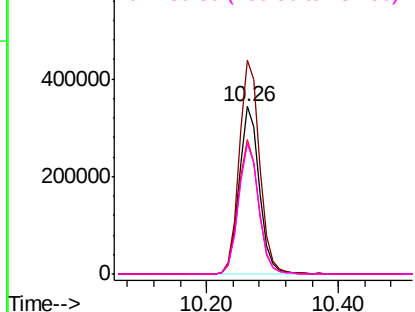


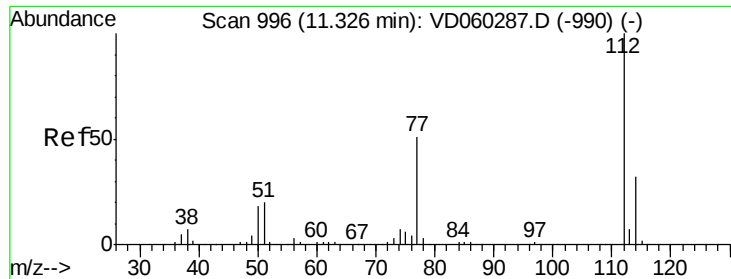
#64
Tetrachloroethene
Concen: 52.863 ug/l
RT: 10.26 min Scan# 888
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Tgt Ion:164 Resp: 737595
Ion Ratio Lower Upper
164 100
166 127.8 103.7 155.5
129 80.7 65.6 98.4
131 78.2 64.4 96.6



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

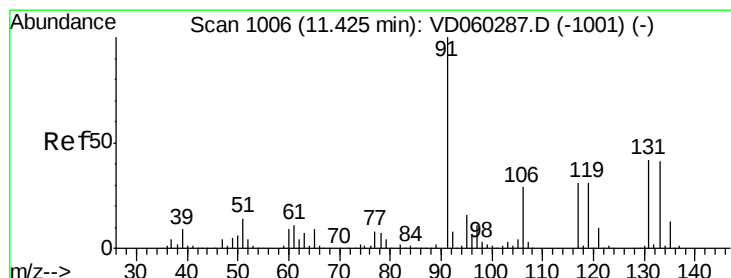
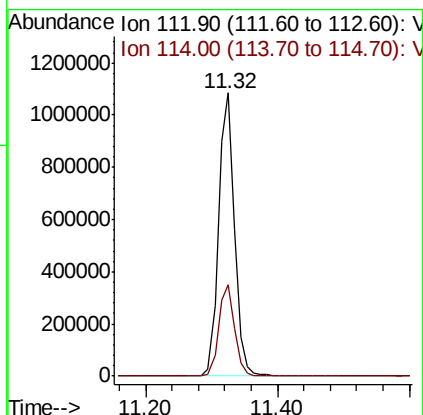
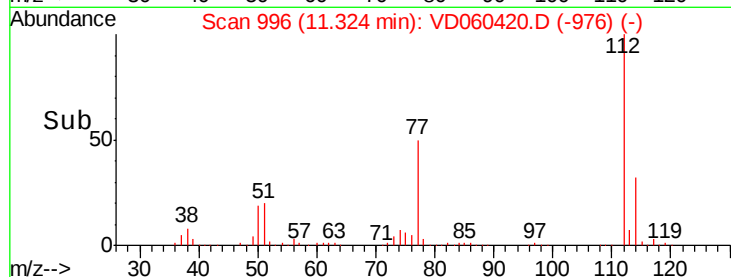
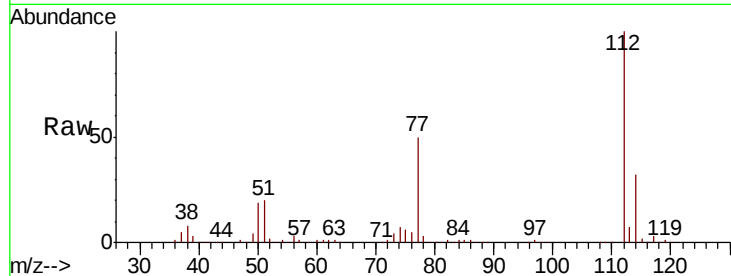




#65
Chlorobenzene
Concen: 53.515 ug/l
RT: 11.32 min Scan# 996
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

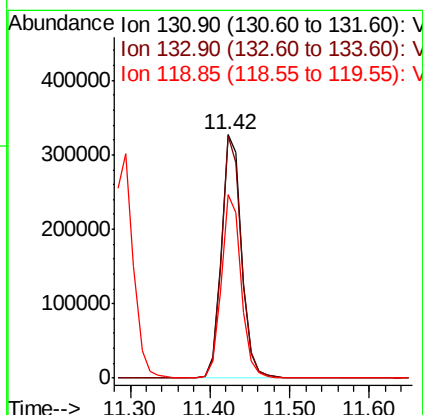
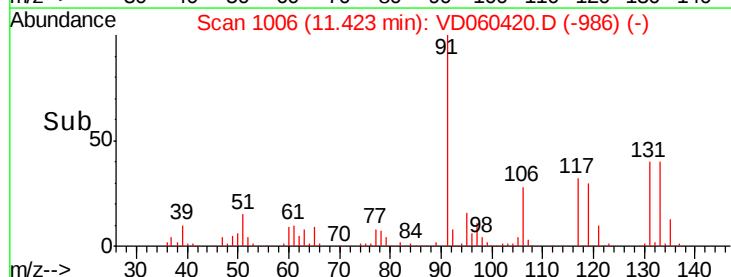
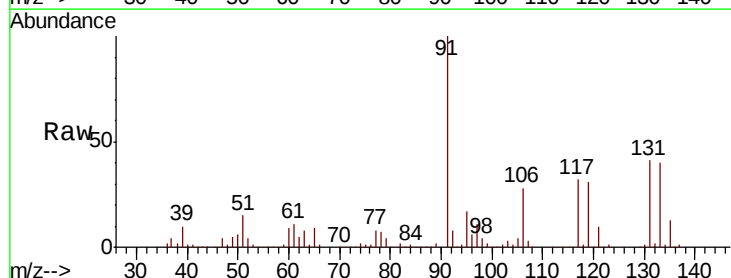
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

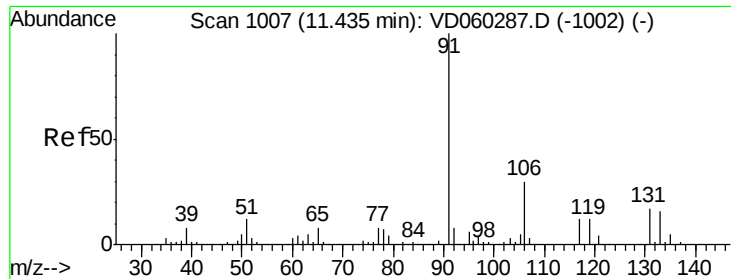
Tot Ion:112 Resp: 1812240
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 52.817 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Tgt Ion:131 Resp: 585218
Ion Ratio Lower Upper
131 100
133 99.5 50.0 150.0
119 75.3 37.0 111.1

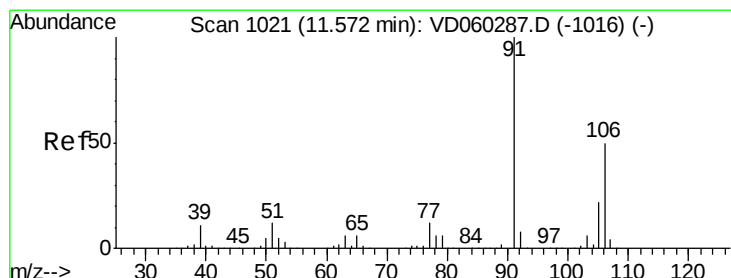
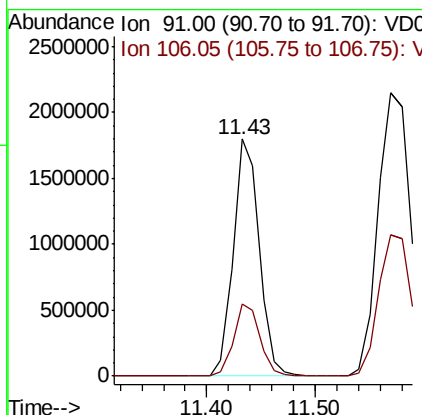
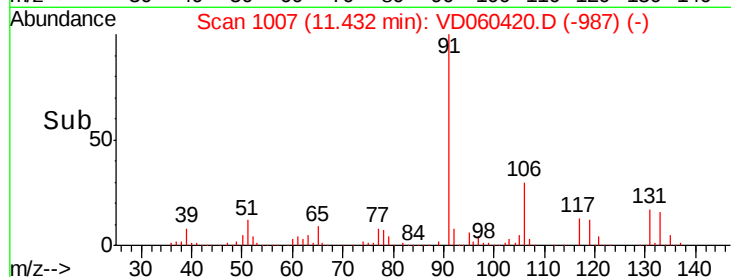
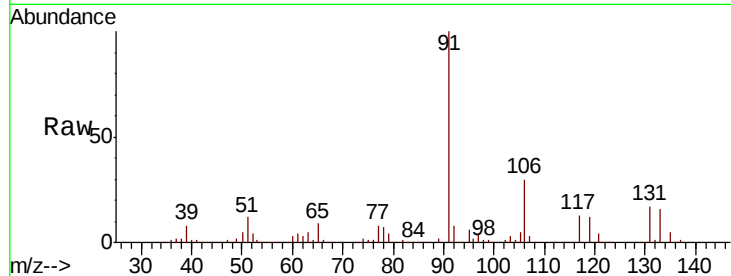




#67
Ethyl Benzene
Concen: 51.813 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

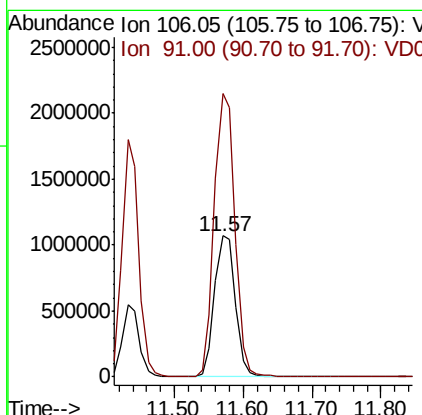
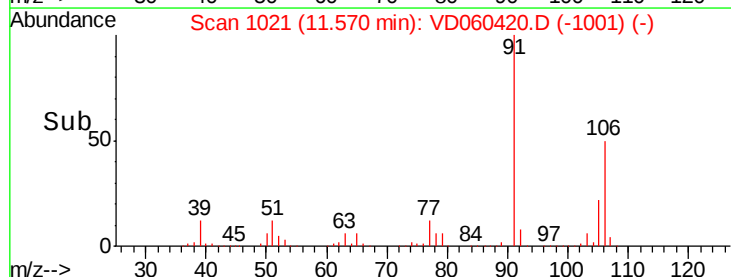
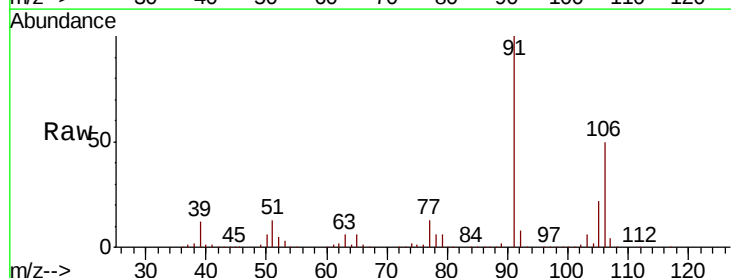
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

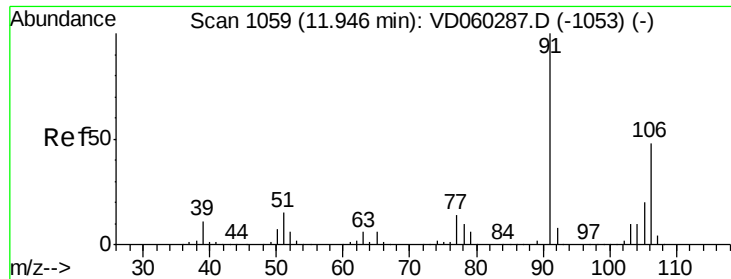
Tot Ion: 91 Resp: 3001532
Ion Ratio Lower Upper
91 100
106 30.4 24.6 36.8



#68
m/p-Xylenes
Concen: 104.996 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Tgt Ion: 106 Resp: 2243688
Ion Ratio Lower Upper
106 100
91 200.5 159.4 239.2

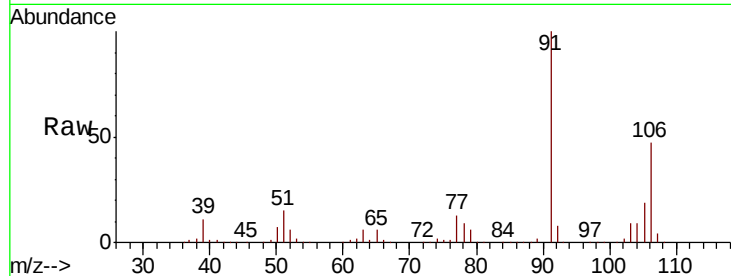




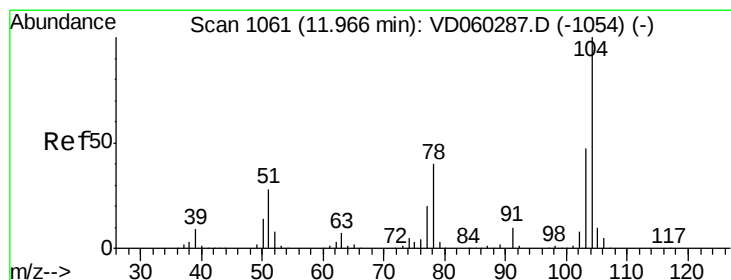
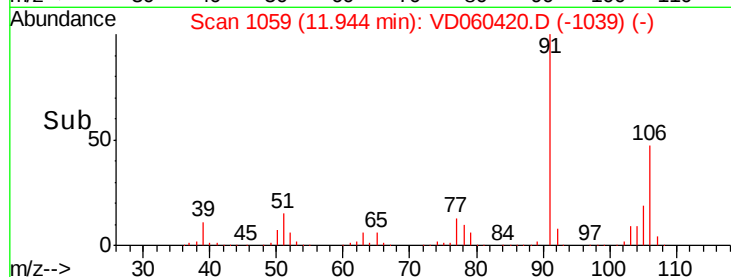
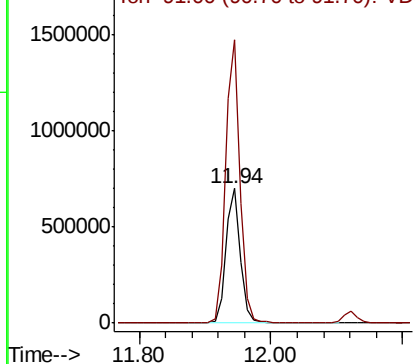
#69
o-Xylene
Concen: 51.315 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1059391
Ion Ratio Lower Upper
106 100
91 210.7 109.2 327.6

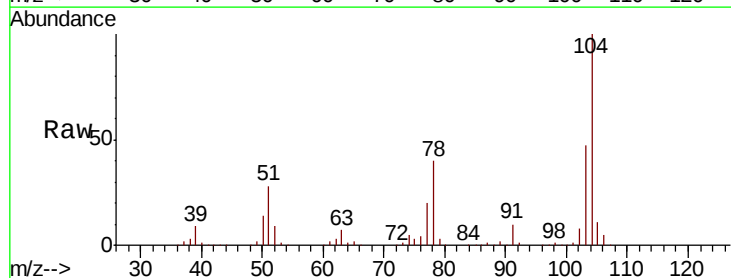


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

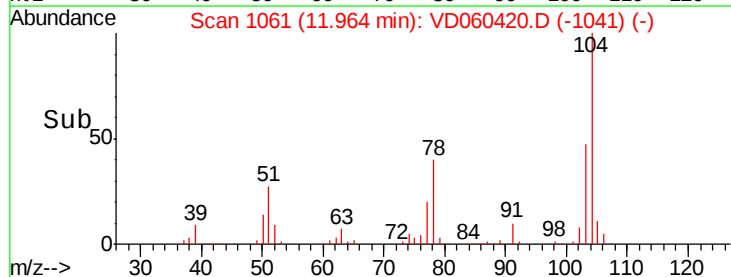
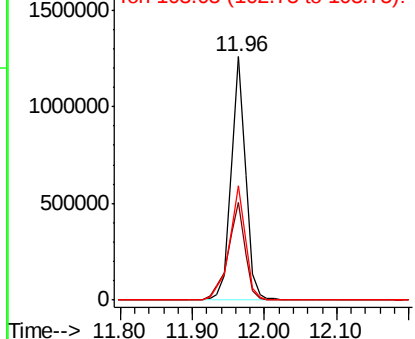


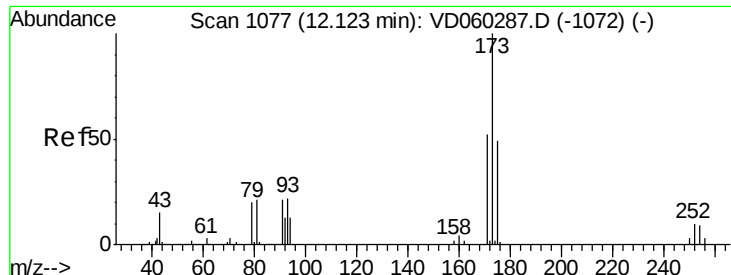
#70
Styrene
Concen: 52.891 ug/l
RT: 11.96 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Tgt Ion:104 Resp: 1764665
Ion Ratio Lower Upper
104 100
78 40.1 31.6 47.4
103 46.7 37.0 55.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V

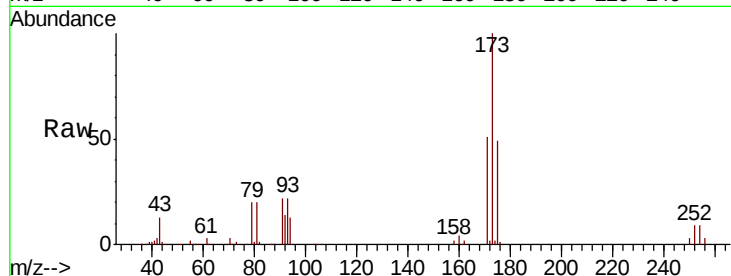




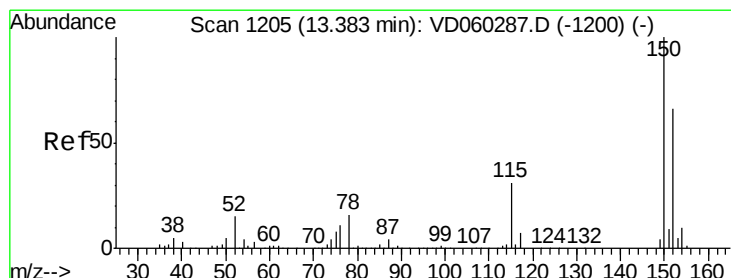
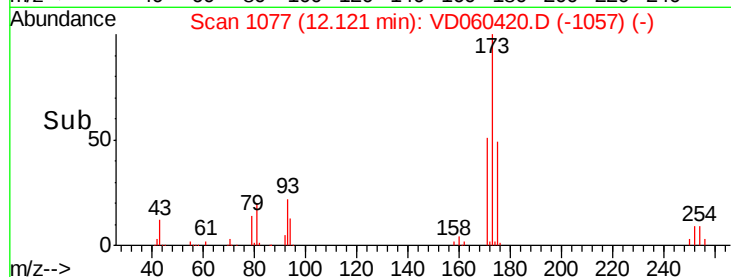
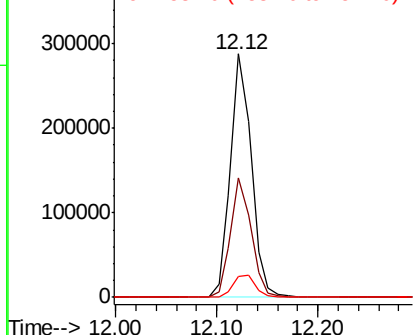
#71
Bromoform
Concen: 55.946 ug/l
RT: 12.12 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 416542
Ion Ratio Lower Upper
173 100
175 49.2 24.3 73.0
254 8.6 8.3 12.5

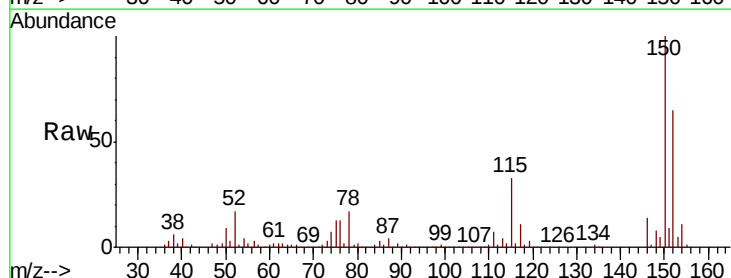


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

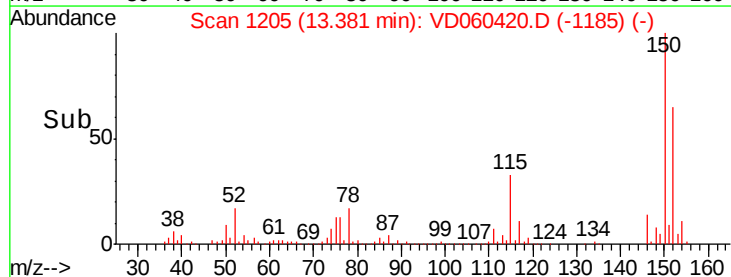
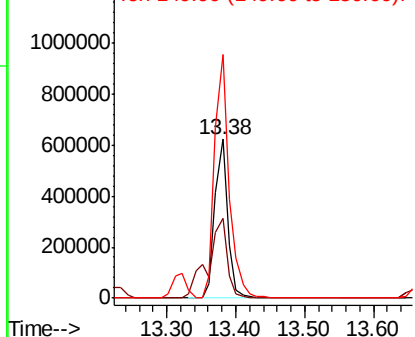


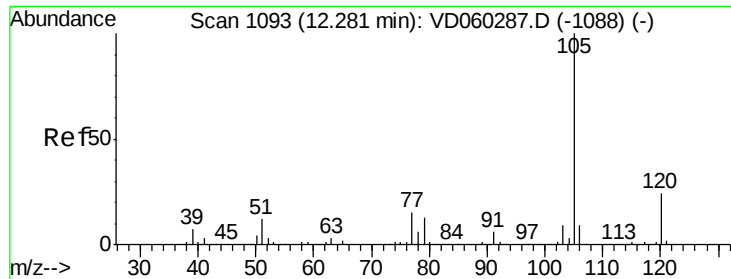
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Tgt Ion:152 Resp: 809272
Ion Ratio Lower Upper
152 100
115 50.5 24.1 72.3
150 153.1 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.438 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

Instrument :

MSVOA_D

ClientSampleId :

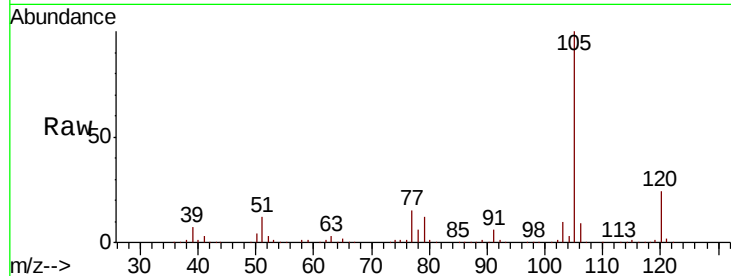
VSTDCCC050

Tot Ion:105 Resp: 2973891

Ion Ratio Lower Upper

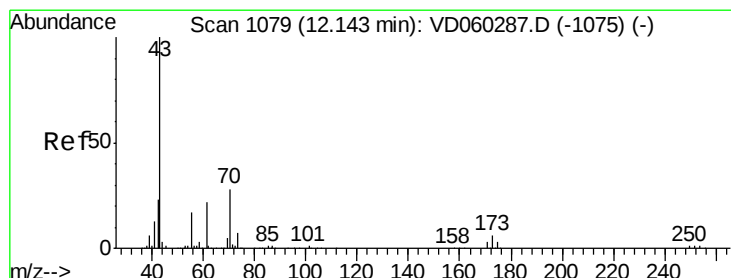
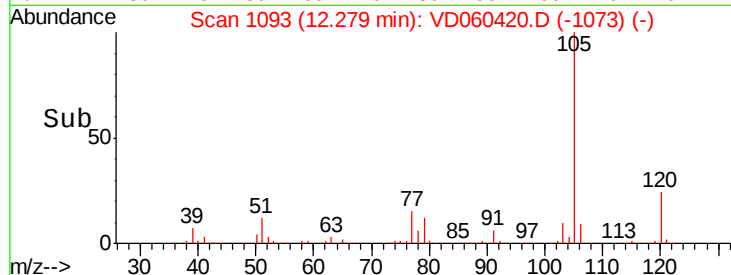
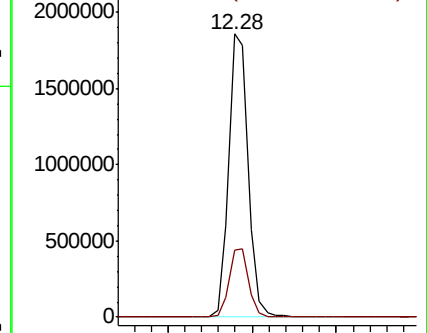
105 100

120 23.8 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 52.788 ug/l

RT: 12.14 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

Tgt Ion: 43 Resp: 797971

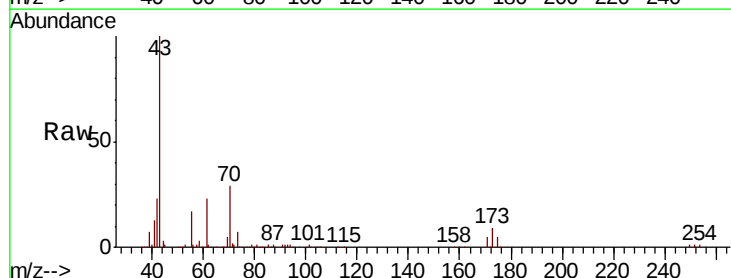
Ion Ratio Lower Upper

43 100

70 28.6 23.0 34.4

55 17.2 14.2 21.4

61 23.4 17.8 26.8

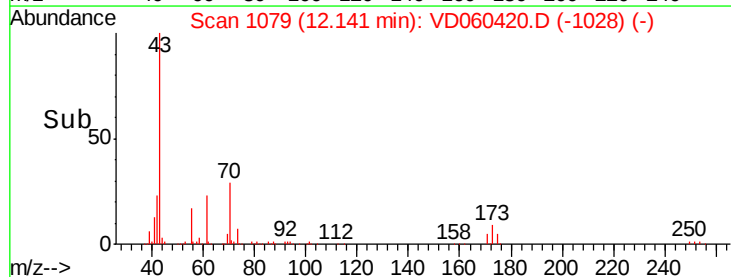
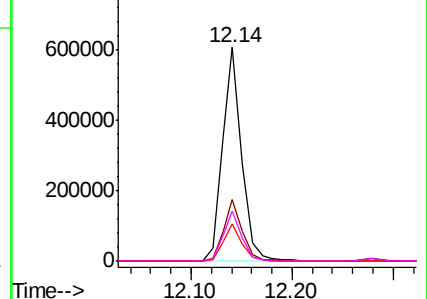


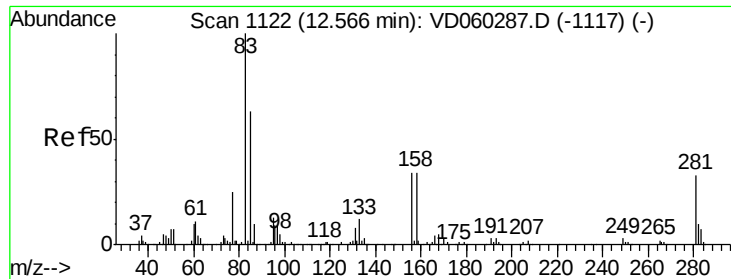
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 50.867 ug/l

RT: 12.57 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

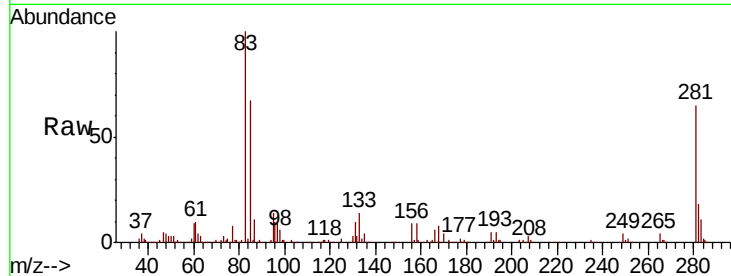
Tot Ion: 83 Resp: 490498

Ion Ratio Lower Upper

83 100

131 9.8 3.9 11.5

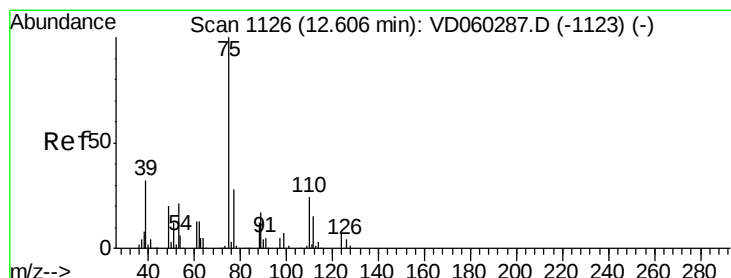
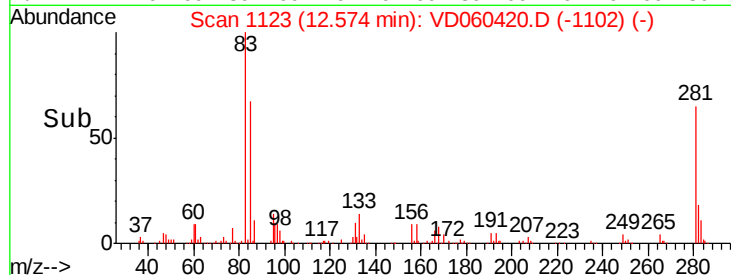
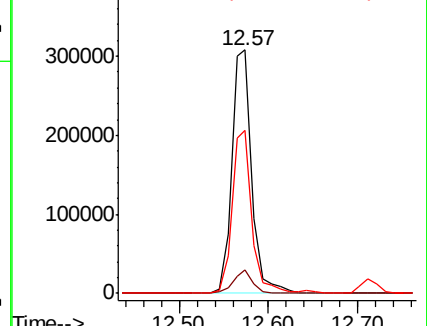
85 67.1 32.0 96.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 51.652 ug/l

RT: 12.60 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VD060420.D

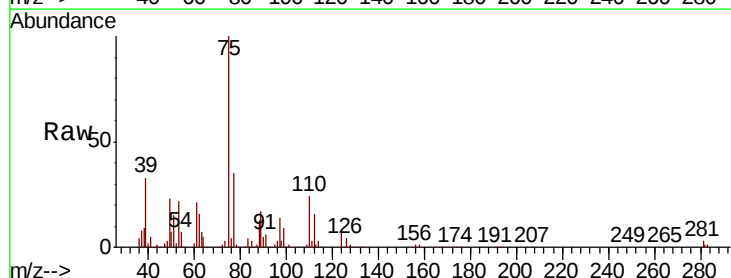
Acq: 20 Nov 2018 10:37

Tgt Ion: 75 Resp: 500032

Ion Ratio Lower Upper

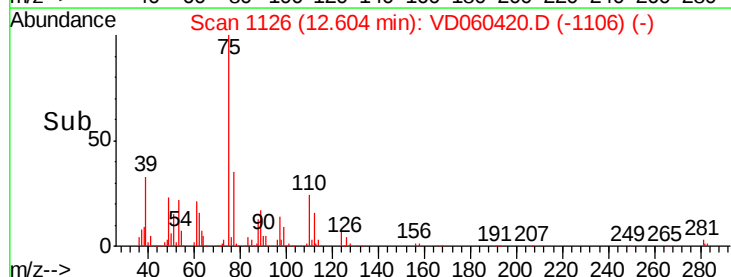
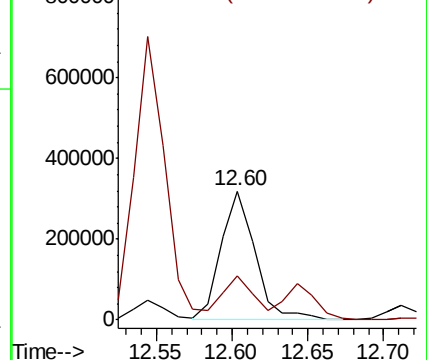
75 100

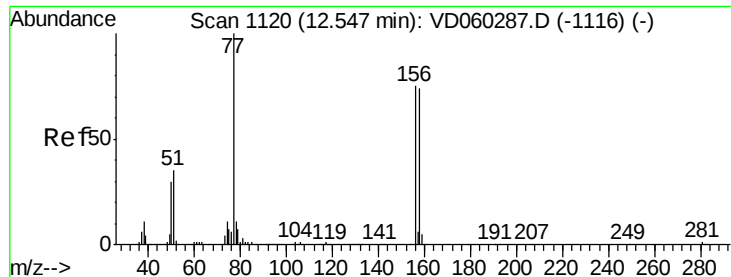
77 34.6 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 51.184 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

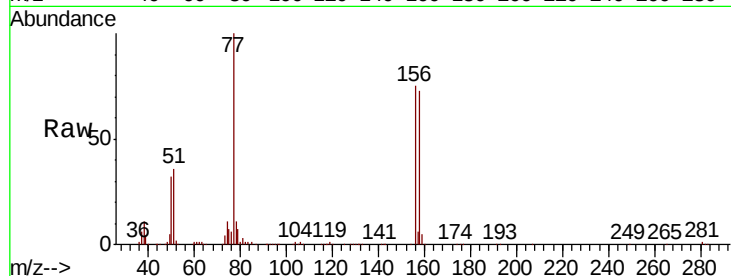
Tot Ion:156 Resp: 801631

Ion Ratio Lower Upper

156 100

77 133.8 61.2 183.6

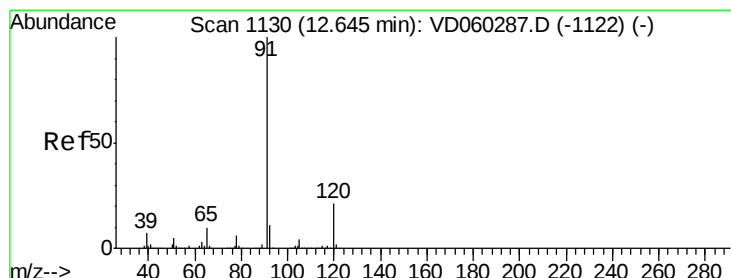
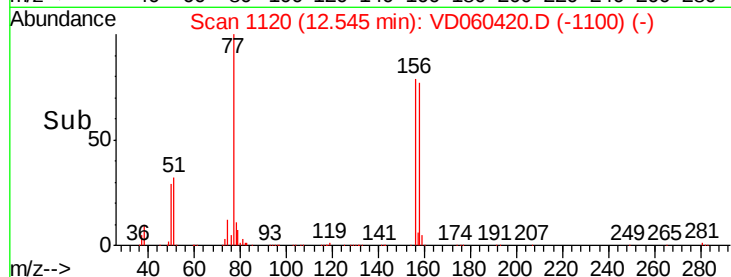
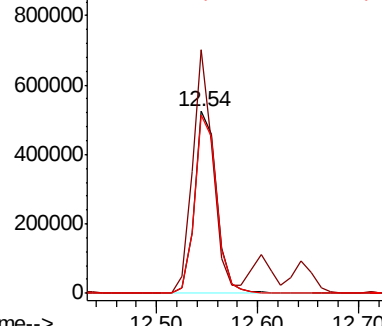
158 97.9 49.2 147.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 50.030 ug/l

RT: 12.64 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VD060420.D

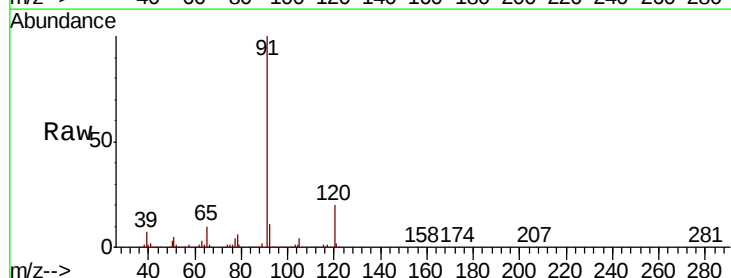
Acq: 20 Nov 2018 10:37

Tgt Ion: 91 Resp: 3681953

Ion Ratio Lower Upper

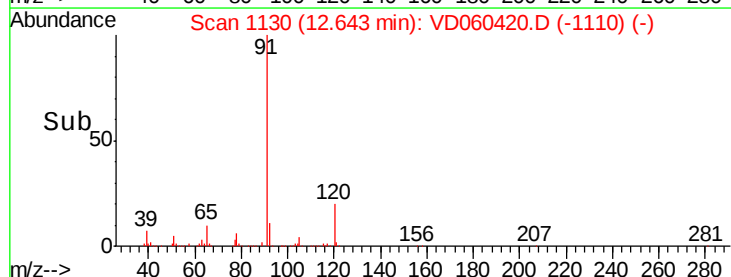
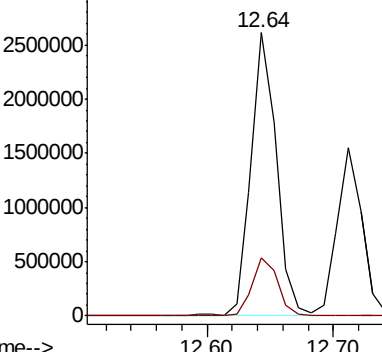
91 100

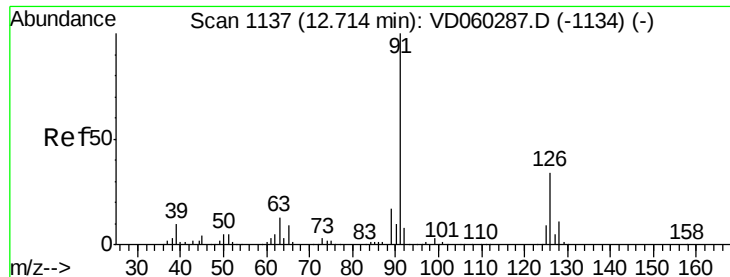
120 20.5 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

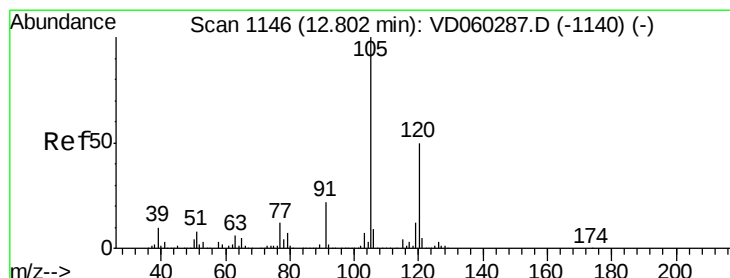
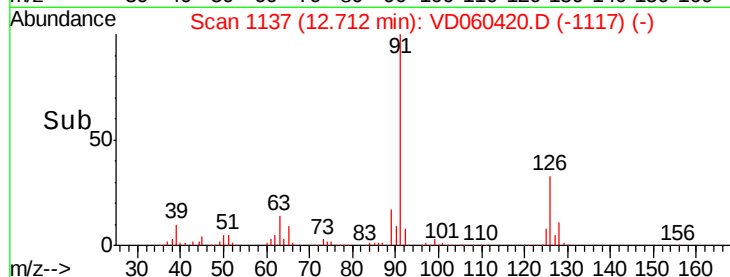
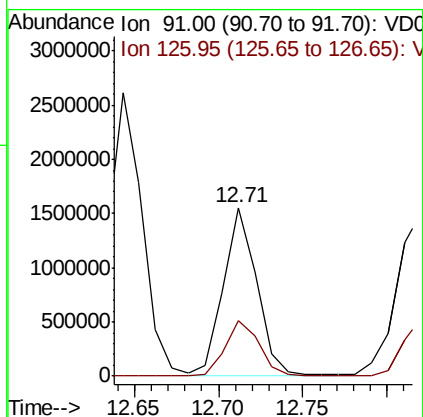
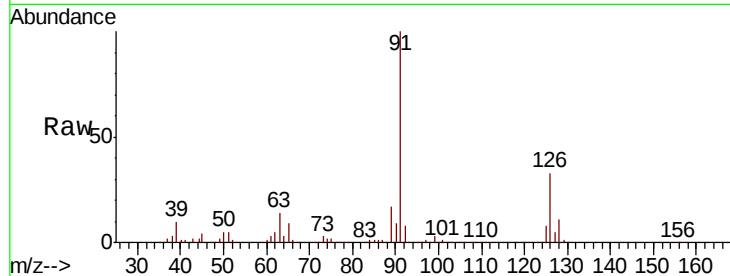




#79
 2-Chlorotoluene
 Concen: 53.440 ug/l
 RT: 12.71 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

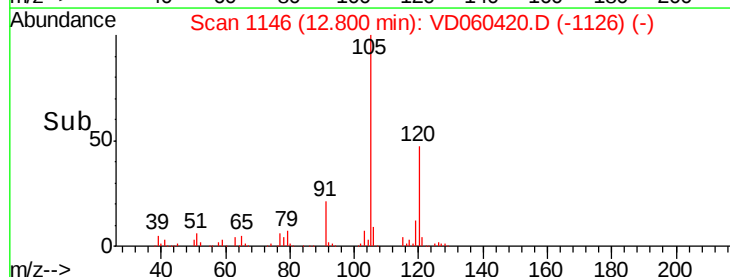
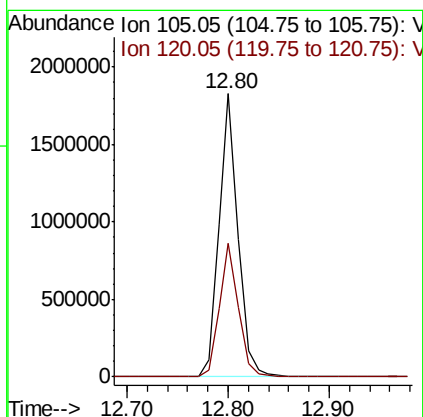
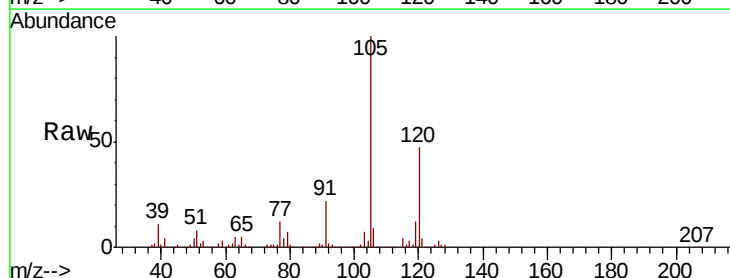
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

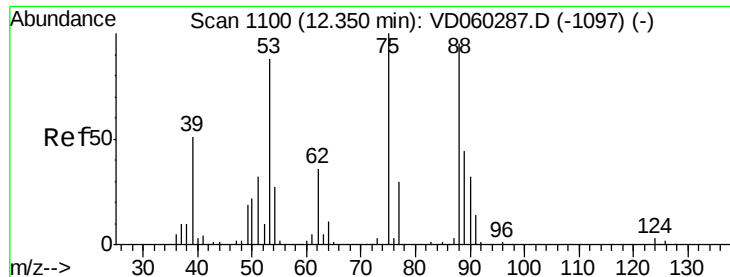
Tot Ion: 91 Resp: 2154031
 Ion Ratio Lower Upper
 91 100
 126 32.7 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 52.154 ug/l
 RT: 12.80 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

Tgt Ion: 105 Resp: 2389822
 Ion Ratio Lower Upper
 105 100
 120 47.4 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 54.616 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. -0.00 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

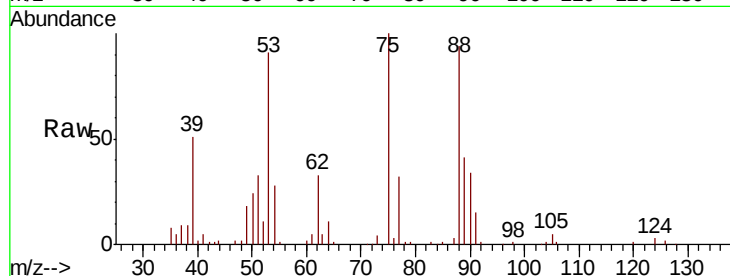
Tot Ion: 75 Resp: 150527

Ion Ratio Lower Upper

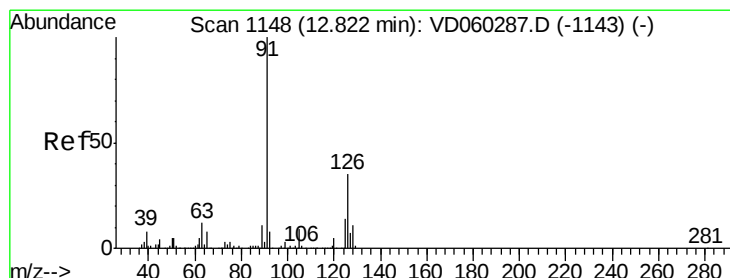
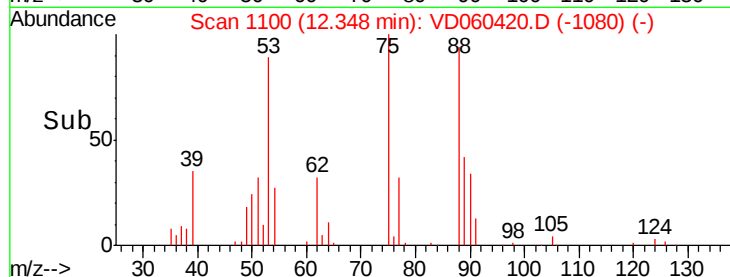
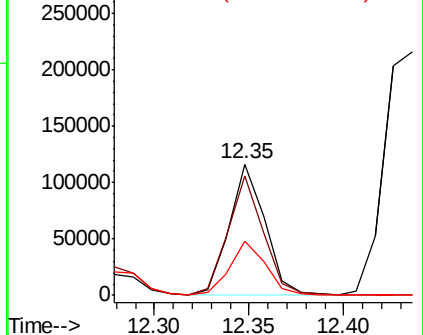
75 100

53 91.0 68.6 103.0

89 41.4 34.1 51.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 51.697 ug/l

RT: 12.82 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VD060420.D

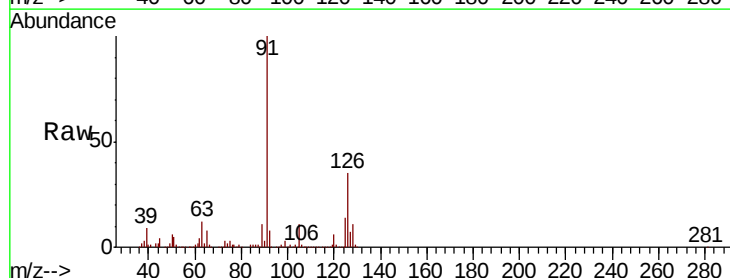
Acq: 20 Nov 2018 10:37

Tgt Ion: 91 Resp: 2340767

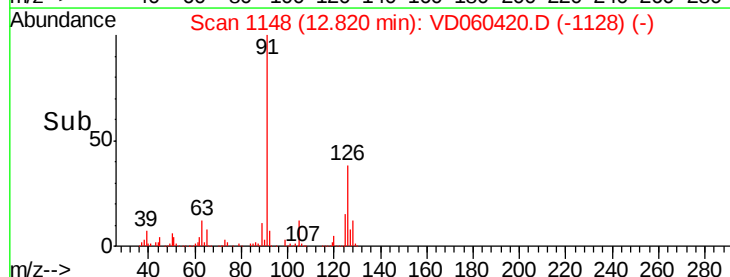
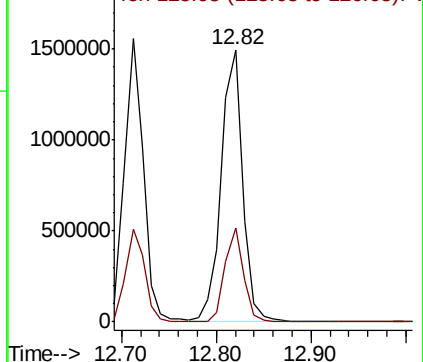
Ion Ratio Lower Upper

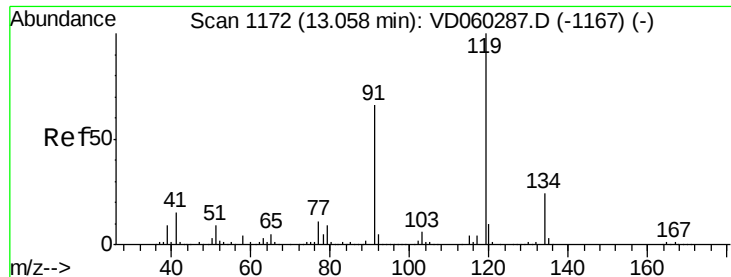
91 100

126 34.7 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

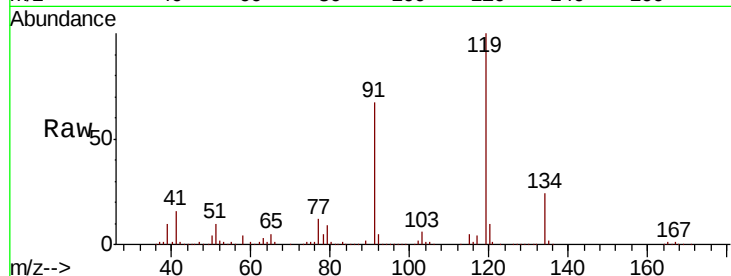




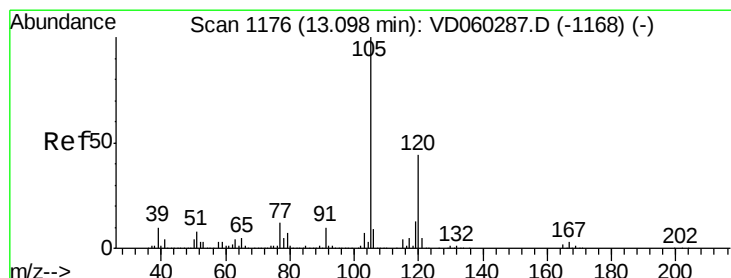
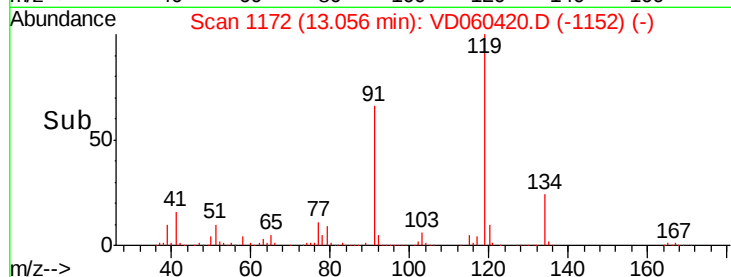
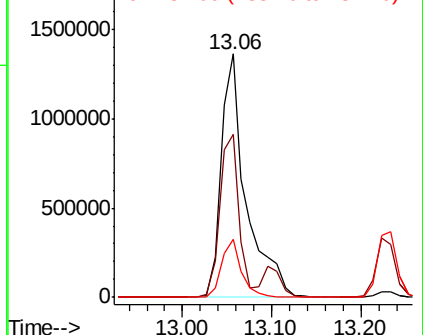
#83
tert-Butylbenzene
Concen: 52.411 ug/l
RT: 13.06 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 2666272
Ion Ratio Lower Upper
119 100
91 66.7 32.7 98.1
134 23.9 12.1 36.3

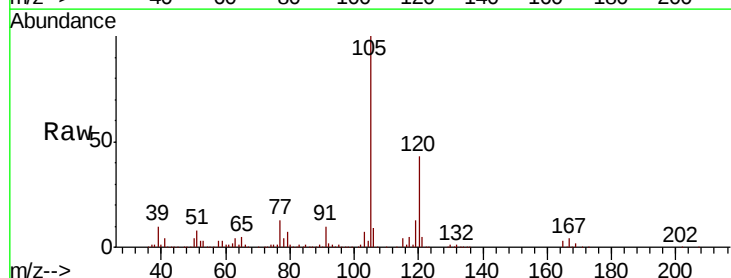


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

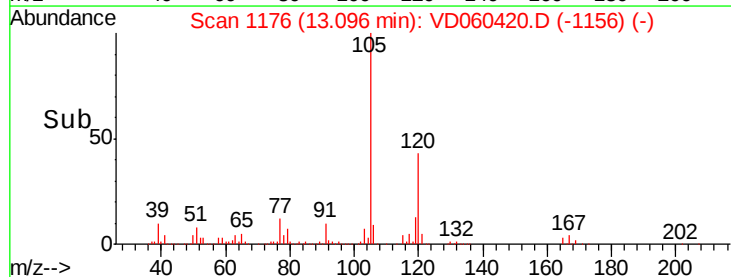
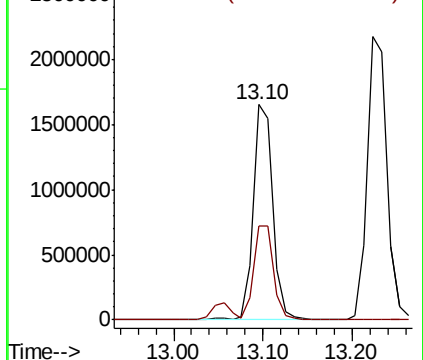


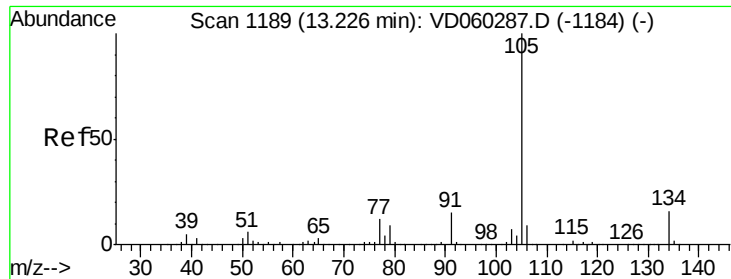
#84
1,2,4-Trimethylbenzene
Concen: 53.584 ug/l
RT: 13.10 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Tgt Ion:105 Resp: 2452157
Ion Ratio Lower Upper
105 100
120 43.4 21.9 65.8



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 52.486 ug/l

RT: 13.22 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

Instrument :

MSVOA_D

ClientSampleId :

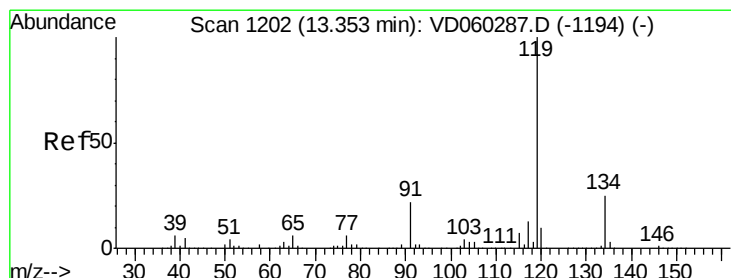
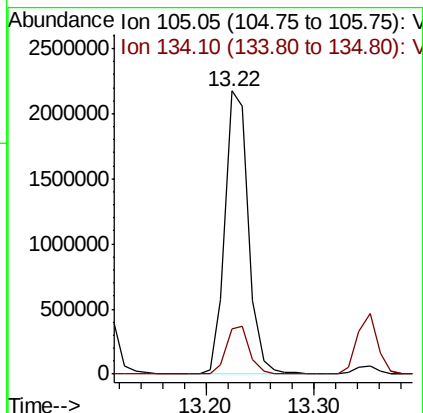
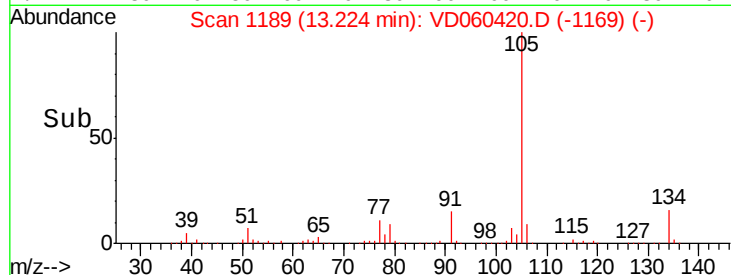
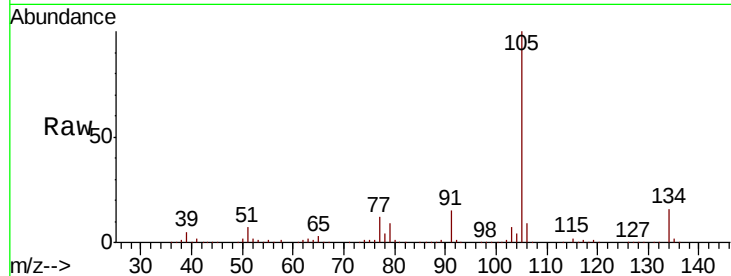
VSTDCCC050

Tot Ion:105 Resp: 3275867

Ion Ratio Lower Upper

105 100

134 15.9 8.0 24.0



#86

p-Isopropyltoluene

Concen: 51.400 ug/l

RT: 13.35 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

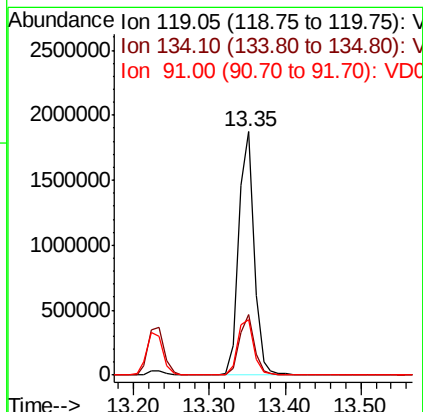
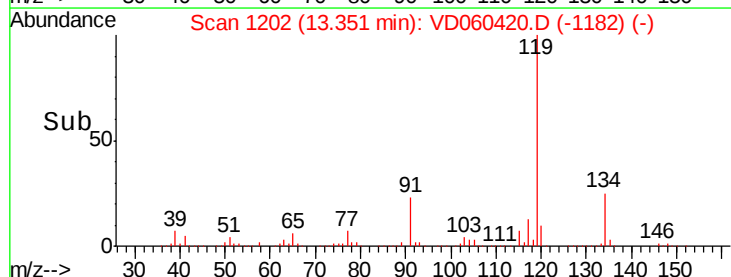
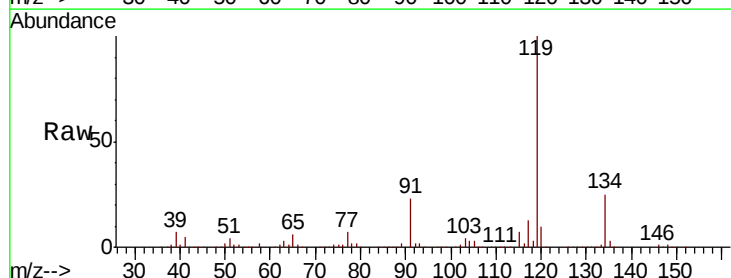
Tgt Ion:119 Resp: 2583490

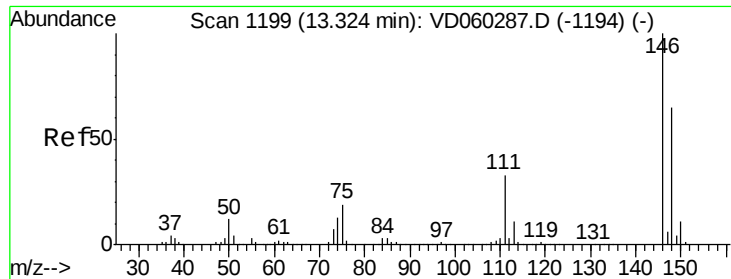
Ion Ratio Lower Upper

119 100

134 24.8 12.9 38.6

91 22.8 11.3 33.8

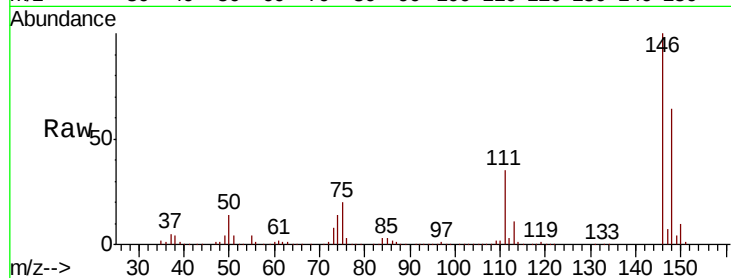




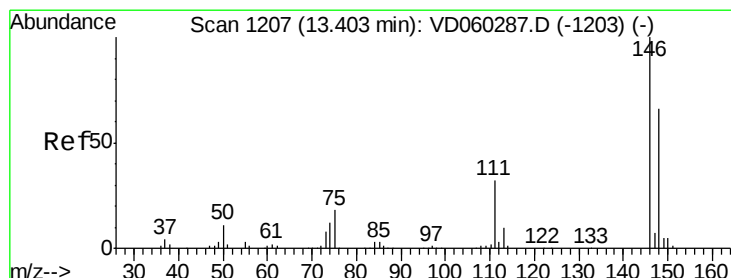
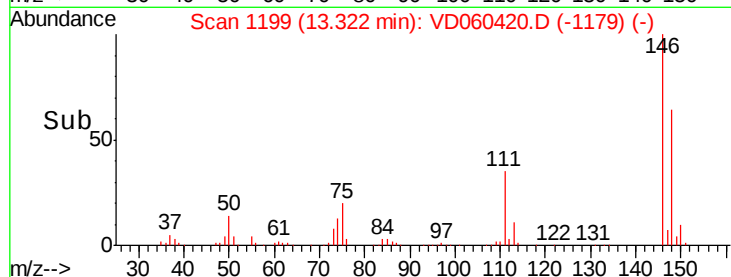
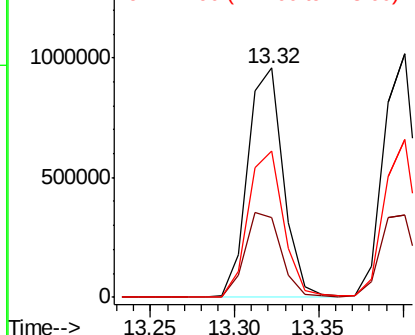
#87
 1,3-Dichlorobenzene
 Concen: 50.600 ug/l
 RT: 13.32 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion:146 Resp: 1409939
 Ion Ratio Lower Upper
 146 100
 111 34.9 20.2 60.5
 148 64.0 32.0 96.0

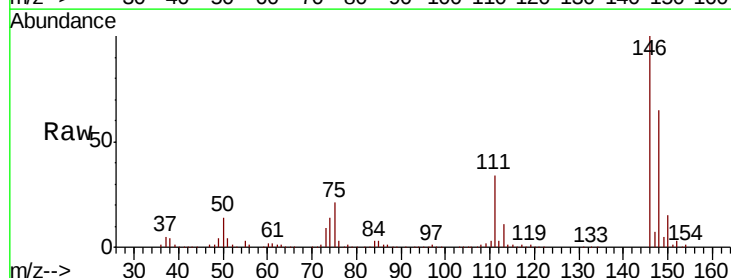


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

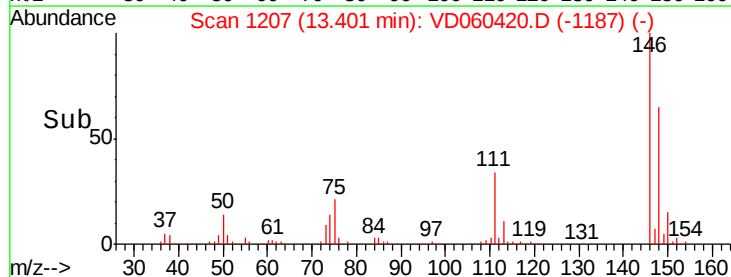
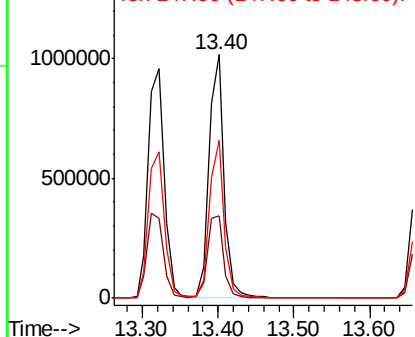


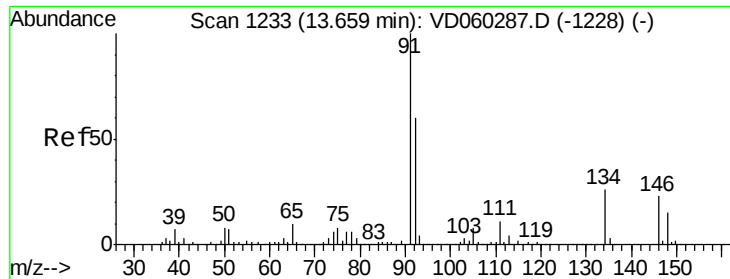
#88
 1,4-Dichlorobenzene
 Concen: 52.018 ug/l
 RT: 13.40 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

Tgt Ion:146 Resp: 1415580
 Ion Ratio Lower Upper
 146 100
 111 33.9 16.0 47.9
 148 64.8 32.9 98.7



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

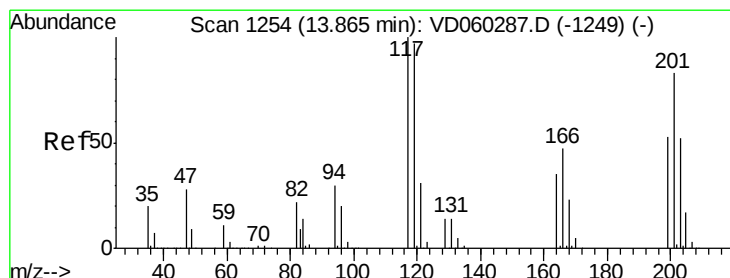
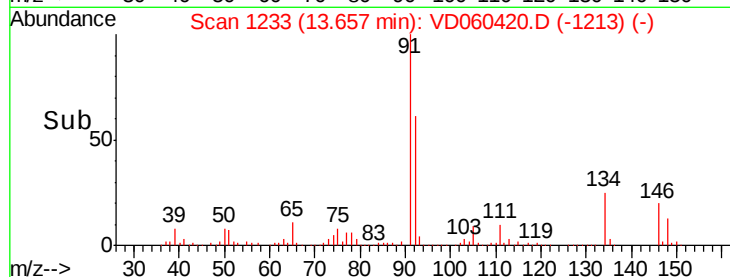
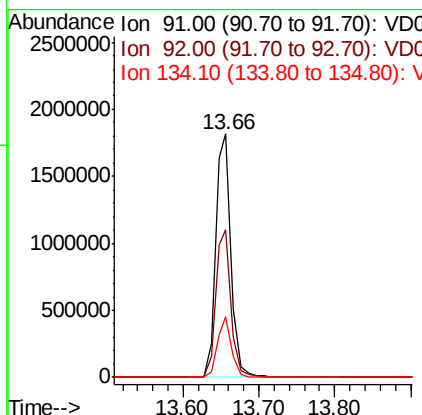
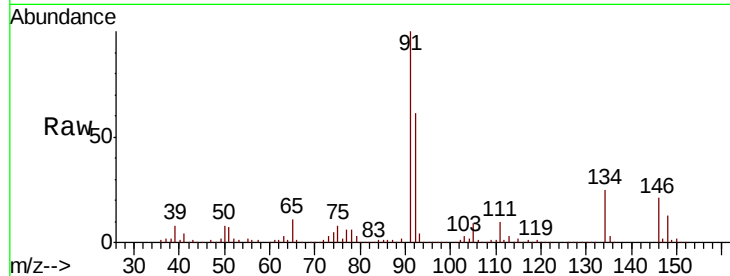




#89
n-Butylbenzene
Concen: 53.577 ug/l
RT: 13.66 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

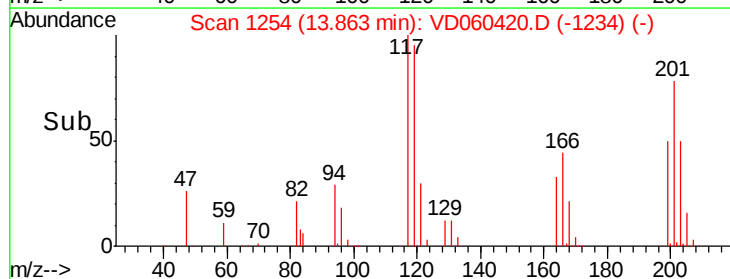
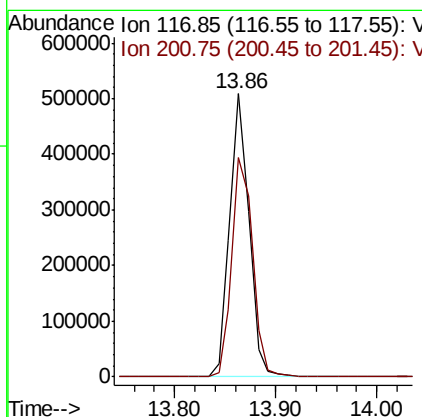
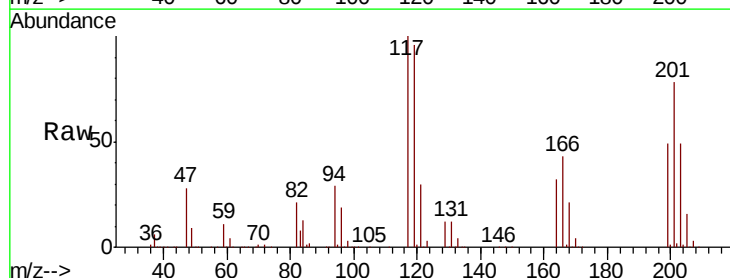
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

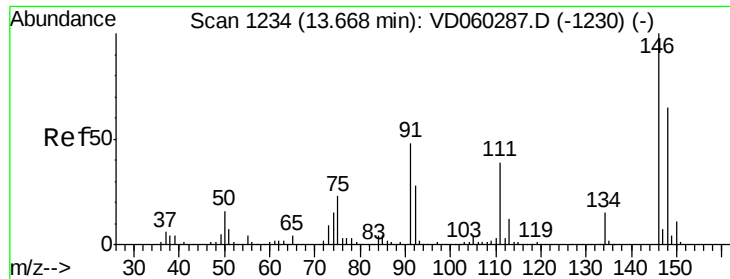
Tot Ion: 91 Resp: 2587109
Ion Ratio Lower Upper
91 100
92 60.7 30.3 90.9
134 24.6 13.0 38.9



#90
Hexachloroethane
Concen: 56.887 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Tgt Ion: 117 Resp: 677992
Ion Ratio Lower Upper
117 100
201 77.7 40.1 120.3

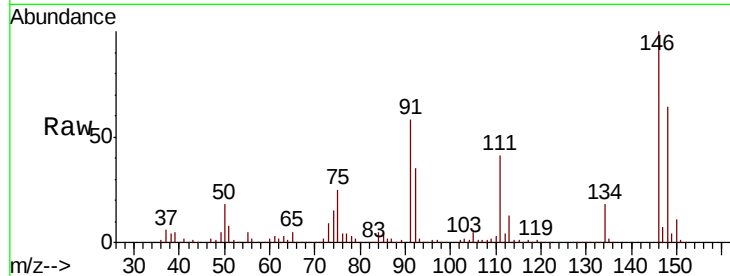




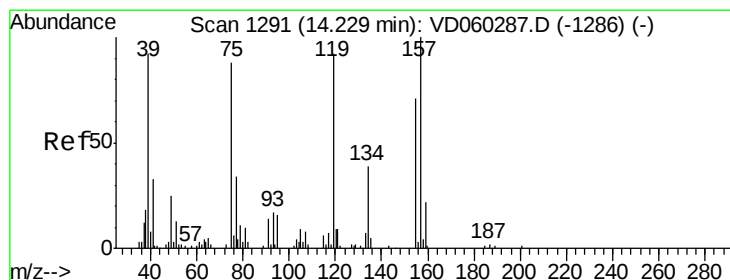
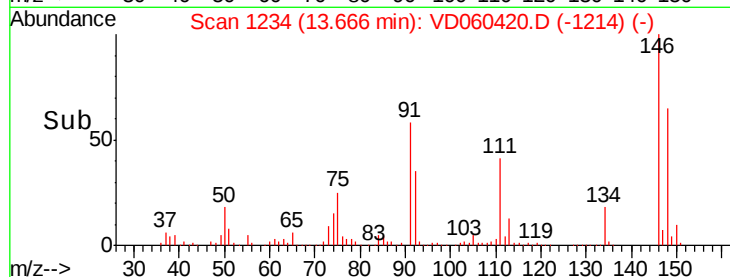
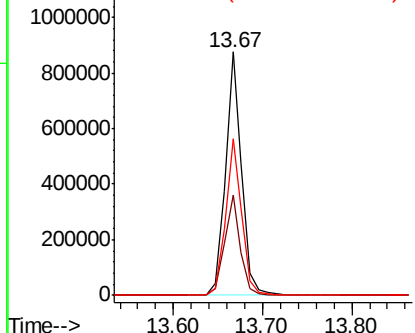
#91
 1,2-Dichlorobenzene
 Concen: 48.711 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. -0.00 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1114859
 Ion Ratio Lower Upper
 146 100
 111 41.2 18.9 56.9
 148 64.5 31.6 94.8

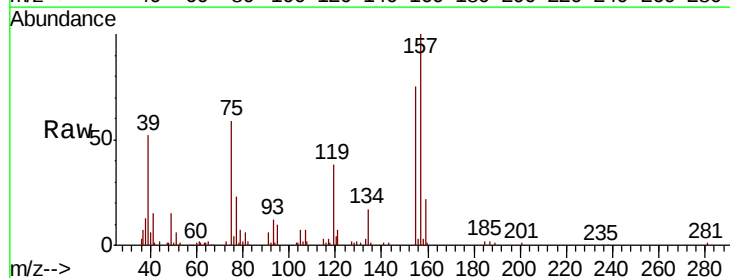


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

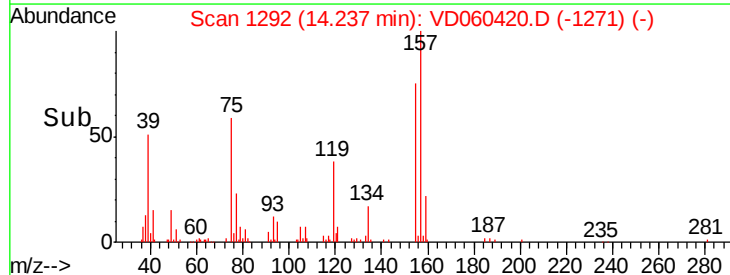
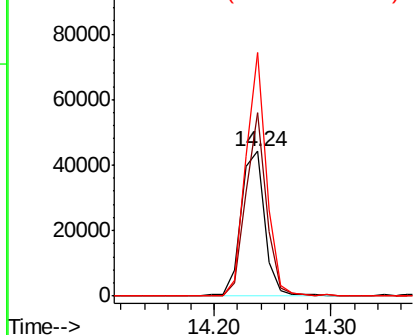


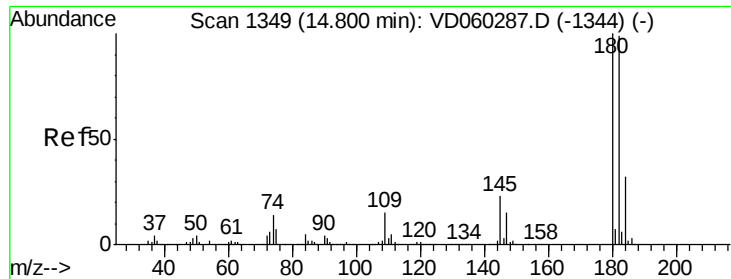
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.907 ug/l
 RT: 14.24 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

Tgt Ion: 75 Resp: 62747
 Ion Ratio Lower Upper
 75 100
 155 126.3 64.3 192.9
 157 168.1 81.0 243.1



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

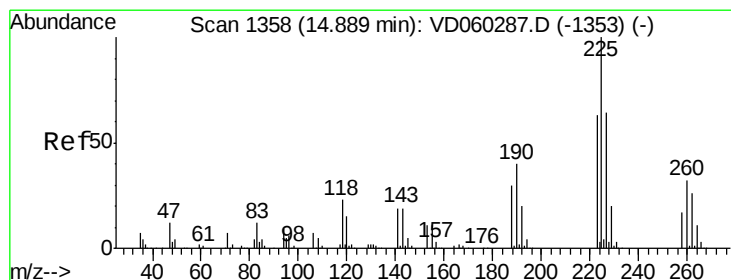
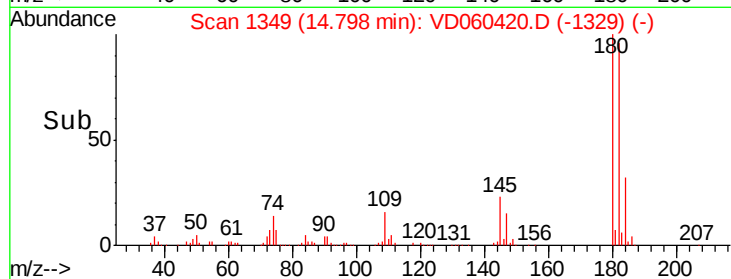
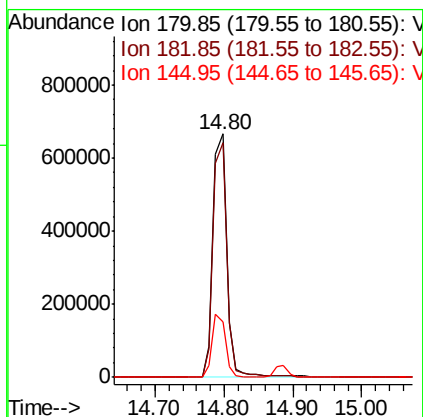
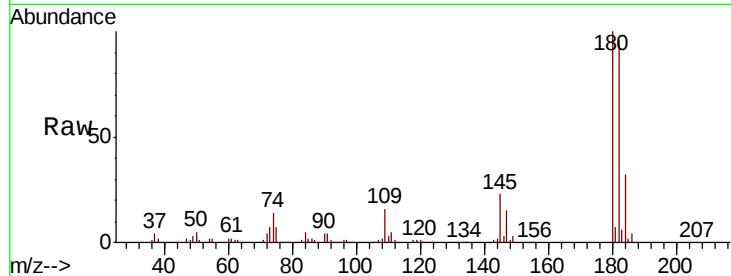




#93
 1,2,4-Trichlorobenzene
 Concen: 52.067 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. -0.00 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

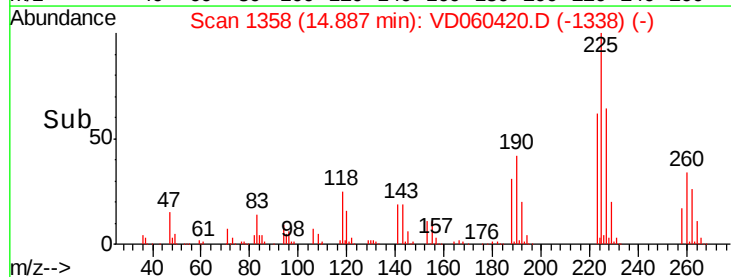
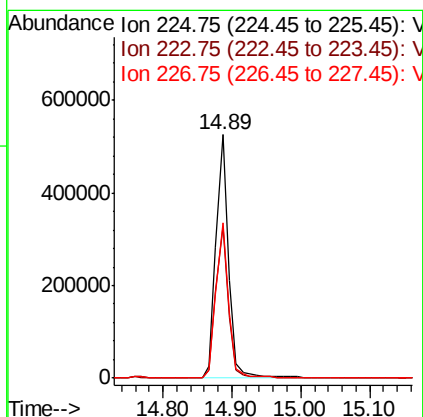
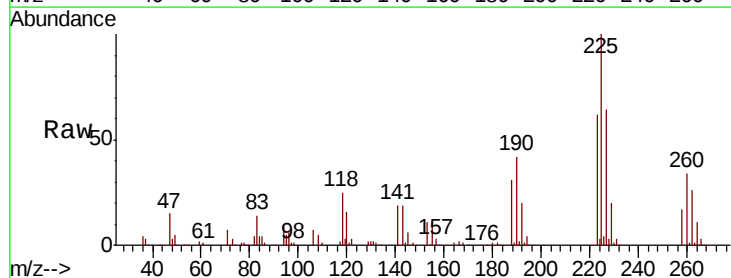
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

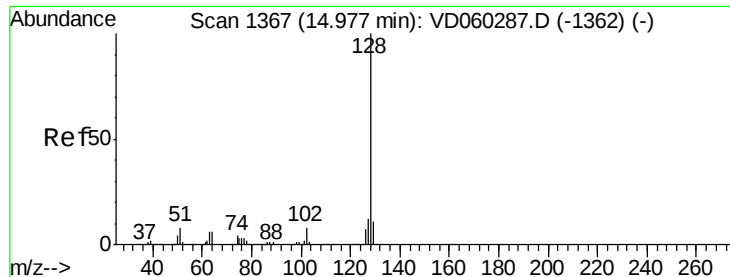
Tot Ion:180 Resp: 944818
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.1 144.4
 145 22.8 11.5 34.4



#94
 Hexachlorobutadiene
 Concen: 49.208 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

Tgt Ion:225 Resp: 667894
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.6 94.8
 227 63.6 32.3 96.9





#95

Naphthalene

Concen: 53.186 ug/l

RT: 14.98 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

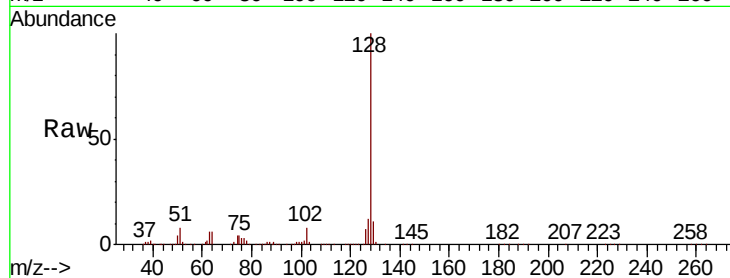
Tot Ion:128 Resp: 1178503

Ion Ratio Lower Upper

128 100

127 11.9 9.6 14.4

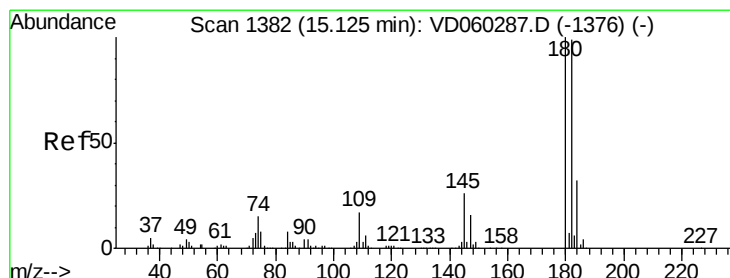
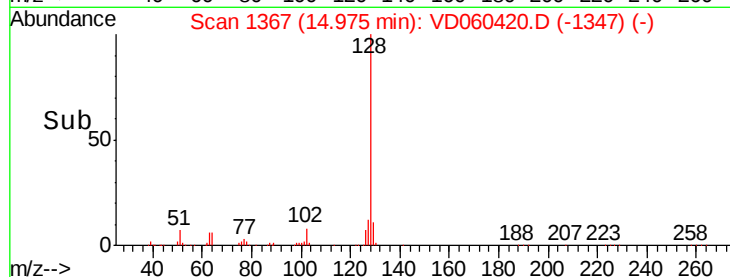
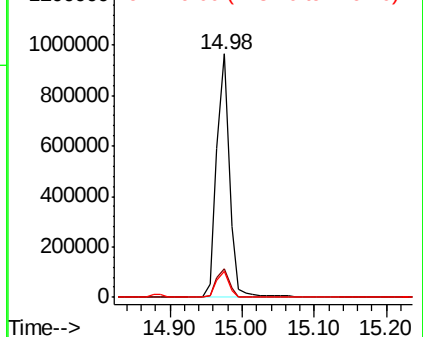
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.992 ug/l

RT: 15.12 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

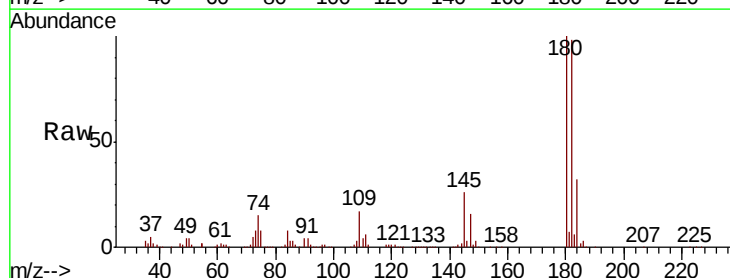
Tgt Ion:180 Resp: 756034

Ion Ratio Lower Upper

180 100

182 98.4 48.9 146.7

145 26.0 12.9 38.6



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

