

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 14:47:27 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	50.89	ug/l	97
3) Chloromethane	1.78	50	617222	44.86	ug/l	99
4) Vinyl Chloride	1.88	62	541106	48.15	ug/l	99
5) Bromomethane	2.17	94	144433	54.18	ug/l	98
6) Chloroethane	2.28	64	184894	49.59	ug/l	99
7) Trichlorofluoromethane	2.54	101	689050	52.01	ug/l	97
8) Diethyl Ether	2.85	74	119345	49.76	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.12	101	444903	51.06	ug/l	97
10) Methyl Iodide	3.27	142	501758	44.34	ug/l	98
11) Tert butyl alcohol	3.98	59	125602	294.08	ug/l	96
12) 1,1-Dichloroethene	3.10	96	358620	50.60	ug/l	96
13) Acrolein	3.01	56	101622	201.36	ug/l	94
14) Allyl chloride	3.56	41	711943	52.50	ug/l	96
15) Acrylonitrile	4.11	53	655453	263.17	ug/l	99
16) Acetone	3.19	43	506099	280.52	ug/l	99
17) Carbon Disulfide	3.34	76	1062727	46.45	ug/l	100
18) Methyl Acetate	3.58	43	223764	58.17	ug/l	97
19) Methyl tert-butyl Ether	4.15	73	1101605	51.90	ug/l	99
20) Methylene Chloride	3.75	84	782814	48.91	ug/l	98
21) trans-1,2-Dichloroethene	4.13	96	814596	51.76	ug/l	97
22) Diisopropyl ether	4.88	45	2669181	52.68	ug/l	95
23) Vinyl Acetate	4.83	43	6685079	265.16	ug/l	99
24) 1,1-Dichloroethane	4.78	63	1374550	52.90	ug/l	99
25) 2-Butanone	5.65	43	994211	265.12	ug/l	99
26) 2,2-Dichloropropane	5.61	77	1105932	54.75	ug/l	98
27) cis-1,2-Dichloroethene	5.62	96	870071	53.07	ug/l	97
28) Bromochloromethane	5.95	49	608060	53.04	ug/l	92
29) Tetrahydrofuran	5.97	42	488386	247.02	ug/l	98
30) Chloroform	6.12	83	1426672	54.93	ug/l	100
31) Cyclohexane	6.38	56	1208866	48.68	ug/l	99
32) 1,1,1-Trichloroethane	6.32	97	1206099	55.12	ug/l	98
36) 1,1-Dichloropropene	6.54	75	1025074	49.62	ug/l	99
37) Ethyl Acetate	5.71	43	489672	51.51	ug/l	99
38) Carbon Tetrachloride	6.52	117	996817	52.02	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.06	83	1167843	49.15	ug/l	98
40) Benzene	6.82	78	2630522	49.89	ug/l	100
41) Methacrylonitrile	5.96	41	542550	49.87	ug/l	96
42) 1,2-Dichloroethane	6.92	62	706236	51.17	ug/l	98
43) Isopropyl Acetate	8.36	43	611077	51.18	ug/l #	97
44) Trichloroethene	7.75	130	820003	51.30	ug/l	94
45) 1,2-Dichloropropane	8.12	63	691597	52.01	ug/l	99
46) Dibromomethane	8.23	93	382767	49.14	ug/l	93
47) Bromodichloromethane	8.50	83	973208	53.03	ug/l	98
48) Methyl methacrylate	8.26	41	359713	49.60	ug/l	96
49) 1,4-Dioxane	8.24	88	64371	1025.80	ug/l #	87
51) 4-Methyl-2-Pentanone	9.36	43	1953416	251.36	ug/l	98
52) Toluene	9.56	92	1690036	50.18	ug/l	100
53) t-1,3-Dichloropropene	9.93	75	801532	51.69	ug/l	99
54) cis-1,3-Dichloropropene	9.12	75	1031600	51.87	ug/l	97
55) 1,1,2-Trichloroethane	10.19	97	486201	49.80	ug/l	98
56) Ethyl methacrylate	10.04	69	477851	53.24	ug/l	99
57) 1,3-Dichloropropane	10.39	76	743808	50.00	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.93	63	1325116	244.15	ug/l	100
59) 2-Hexanone	10.50	43	1444426	260.78	ug/l	99
60) Dibromochloromethane	10.65	129	626485	52.79	ug/l	100
61) 1,2-Dibromoethane	10.77	107	508922	52.03	ug/l	98
64) Tetrachloroethene	10.26	164	737595	52.86	ug/l	98
65) Chlorobenzene	11.32	112	1812240	53.51	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	585218	52.82	ug/l	99
67) Ethyl Benzene	11.43	91	3001532	51.81	ug/l	99
68) m/p-Xylenes	11.57	106	2243688	105.00	ug/l	99
69) o-Xylene	11.94	106	1059391	51.32	ug/l	95
70) Styrene	11.96	104	1764665	52.89	ug/l	99
71) Bromoform	12.12	173	416542	55.95	ug/l	99
73) Isopropylbenzene	12.28	105	2973891	50.44	ug/l	99
74) N-amyl acetate	12.14	43	797971	52.79	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	490498	50.87	ug/l	96
76) 1,2,3-Trichloropropane	12.60	75	500032	51.65	ug/l	97
77) Bromobenzene	12.54	156	801631	51.18	ug/l	94
78) n-propylbenzene	12.64	91	3681953	50.03	ug/l	99
79) 2-Chlorotoluene	12.71	91	2154031	53.44	ug/l	96
80) 1,3,5-Trimethylbenzene	12.80	105	2389822	52.15	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.35	75	150527	54.62	ug/l	96
82) 4-Chlorotoluene	12.82	91	2340767	51.70	ug/l	91
83) tert-Butylbenzene	13.06	119	2666272	52.41	ug/l	99
84) 1,2,4-Trimethylbenzene	13.10	105	2452157	53.58	ug/l	99
85) sec-Butylbenzene	13.22	105	3275867	52.49	ug/l	100
86) p-Isopropyltoluene	13.35	119	2583490	51.40	ug/l	99
87) 1,3-Dichlorobenzene	13.32	146	1409939	50.60	ug/l	97
88) 1,4-Dichlorobenzene	13.40	146	1415580	52.02	ug/l	98
89) n-Butylbenzene	13.66	91	2587109	53.58	ug/l	99
90) Hexachloroethane	13.86	117	677992	56.89	ug/l	97
91) 1,2-Dichlorobenzene	13.67	146	1114859	48.71	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	62747	53.91	ug/l	97

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Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
Response via : Initial Calibration

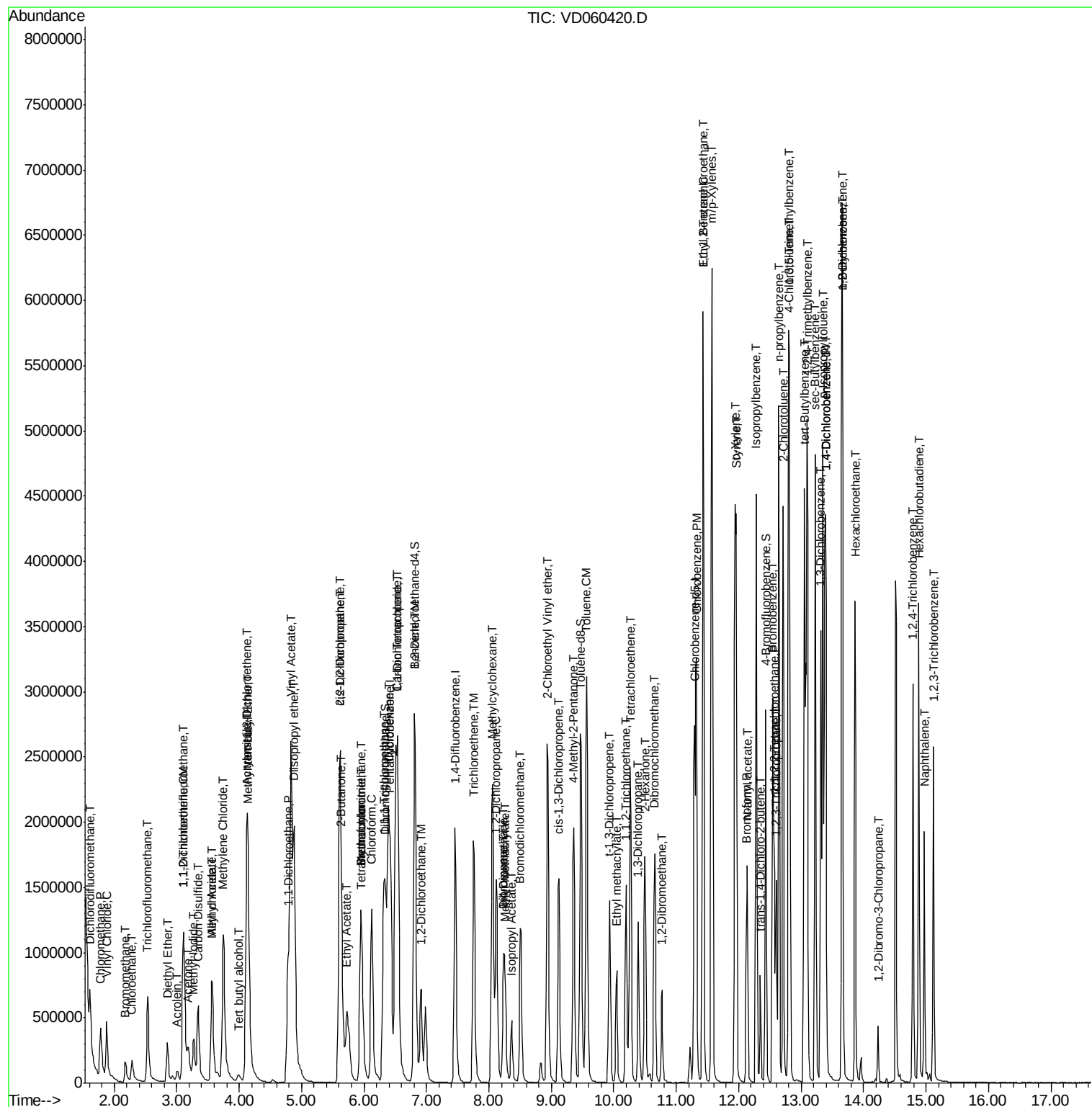
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	944818	52.07	ug/l	100
94) Hexachlorobutadiene	14.89	225	667894	49.21	ug/l	99
95) Naphthalene	14.98	128	1178503	53.19	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	756034	51.99	ug/l	99

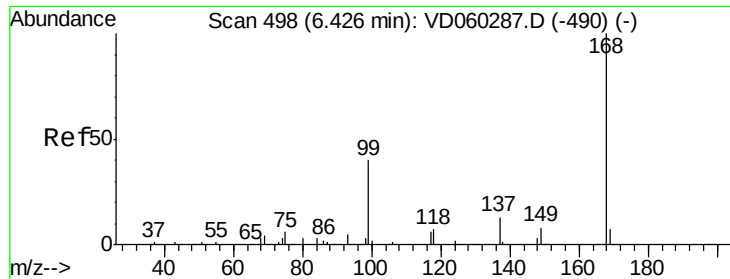
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 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 :

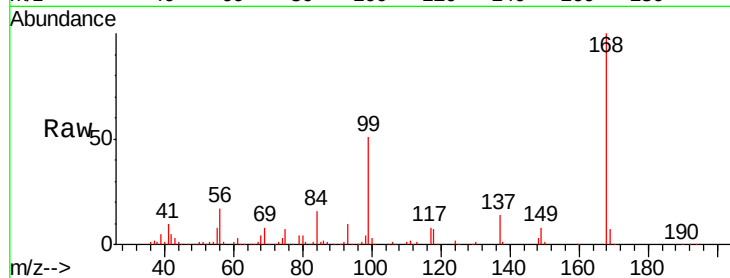
VSTDCCC050

Tgt 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

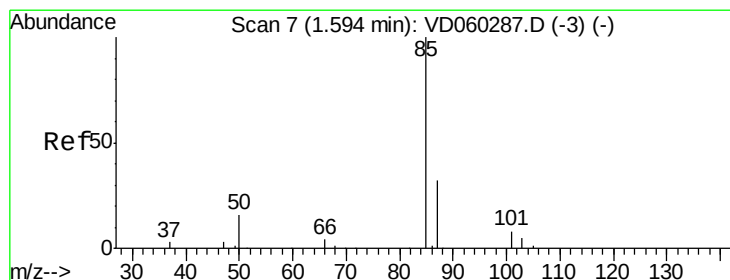
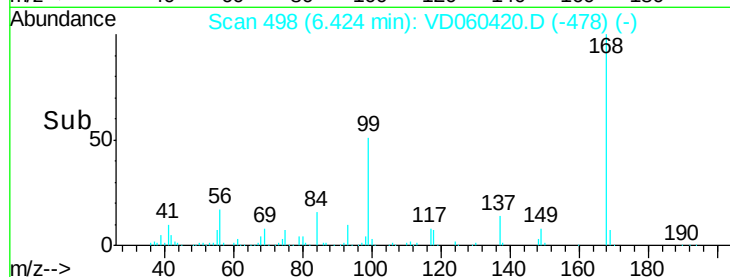
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.89 ug/l

RT: 1.61 min Scan# 9

Delta R.T. 0.02 min

Lab File: VD060420.D

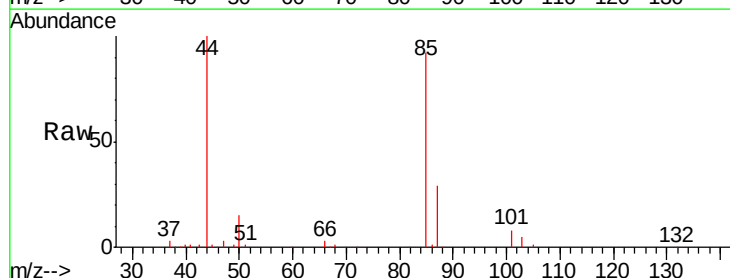
Acq: 20 Nov 2018 10:37

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

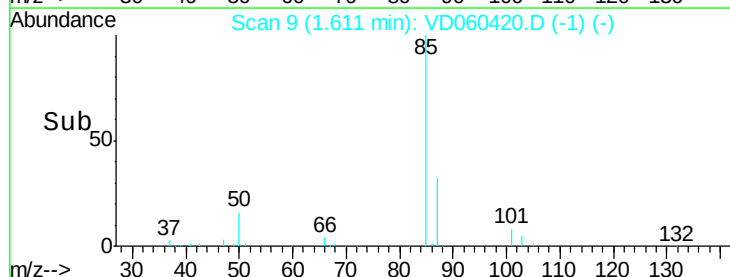
150000

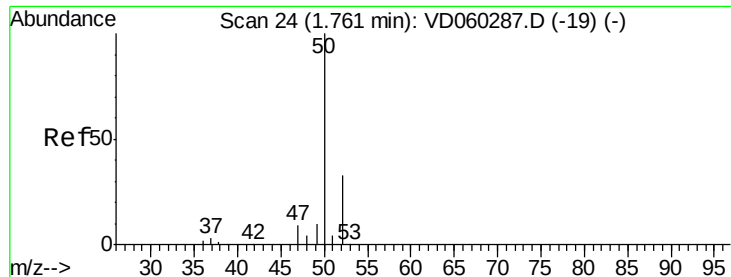
100000

50000

0

Time-->





#3

Chloromethane

Concen: 44.86 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 :

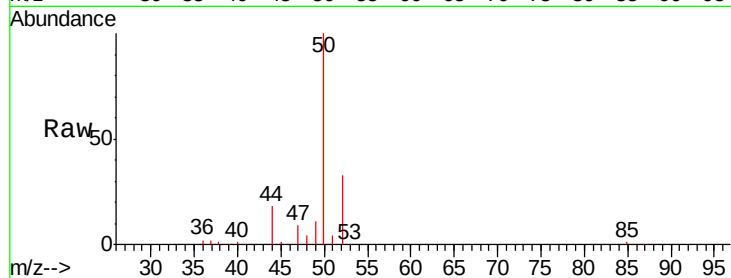
VSTDCCC050

Tgt Ion: 50 Resp: 617222

Ion Ratio Lower Upper

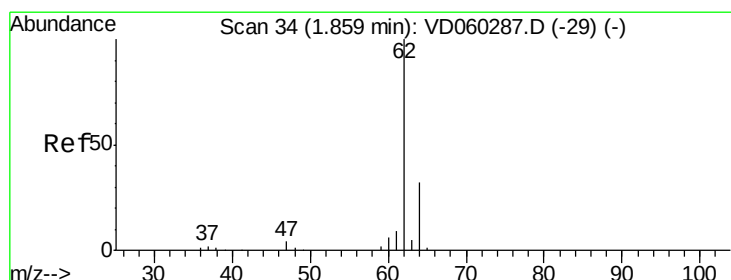
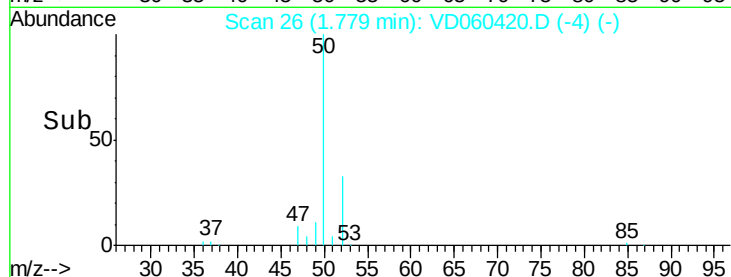
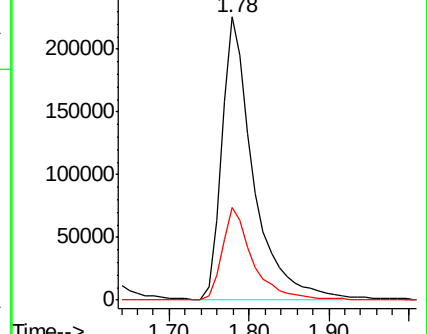
50 100

52 32.7 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.15 ug/l

RT: 1.88 min Scan# 36

Delta R.T. 0.02 min

Lab File: VD060420.D

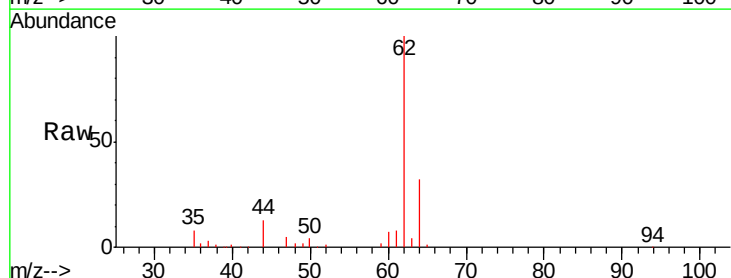
Acq: 20 Nov 2018 10:37

Tgt Ion: 62 Resp: 541106

Ion Ratio Lower Upper

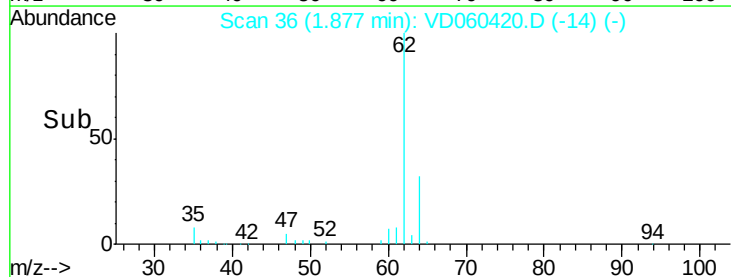
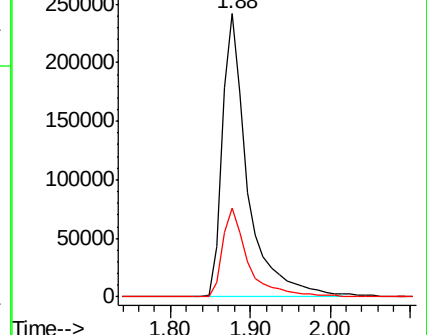
62 100

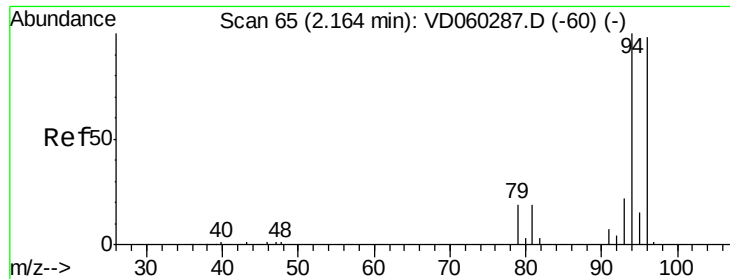
64 31.6 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

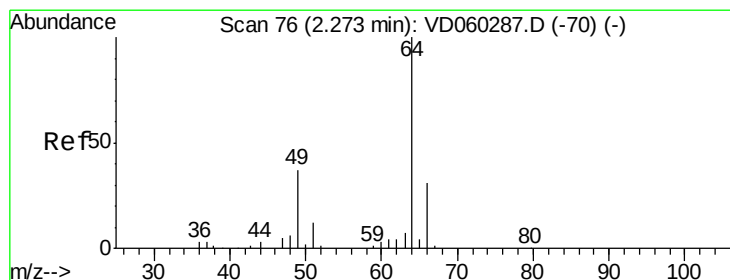
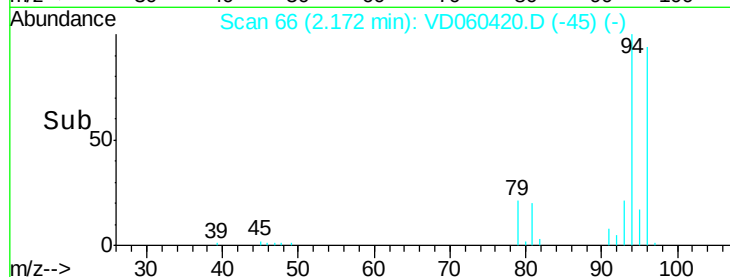
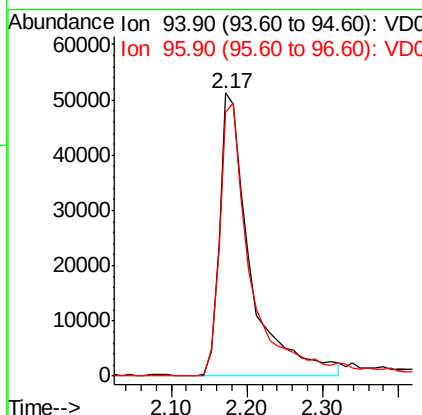
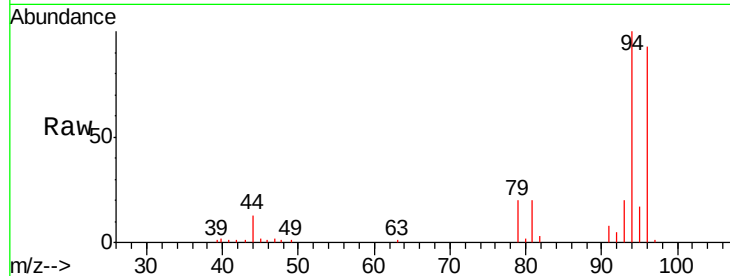




#5
Bromomethane
Concen: 54.18 ug/l
RT: 2.17 min Scan# 66
Delta R.T. 0.01 min
Lab File: VD060420.D
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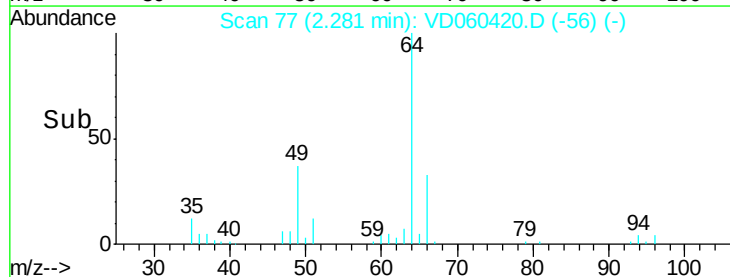
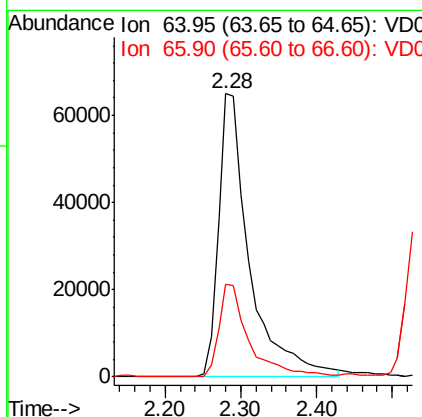
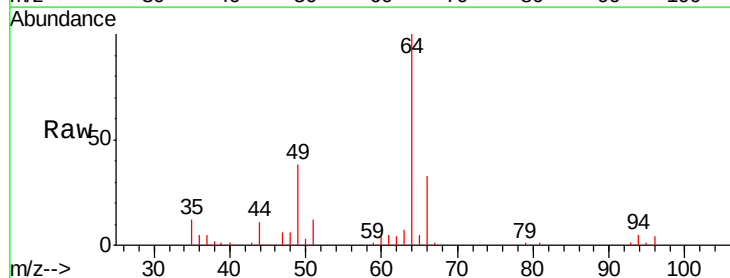
Instrument :
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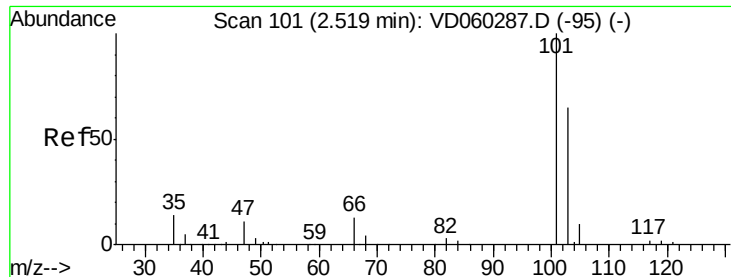
Tgt Ion: 94 Resp: 144433
Ion Ratio Lower Upper
94 100
96 93.4 76.6 114.8



#6
Chloroethane
Concen: 49.59 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





#7

Trichlorofluoromethane

Concen: 52.01 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 :

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ClientSampleId :

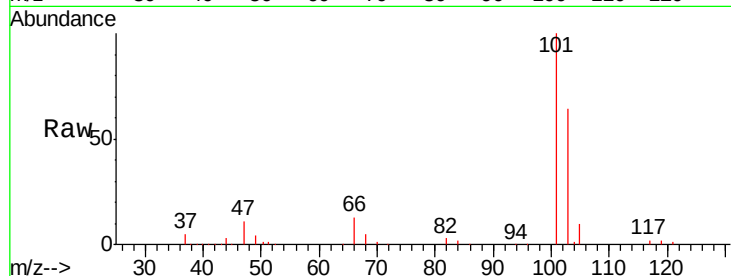
VSTDCCC050

Tgt Ion:101 Resp: 689050

Ion Ratio Lower Upper

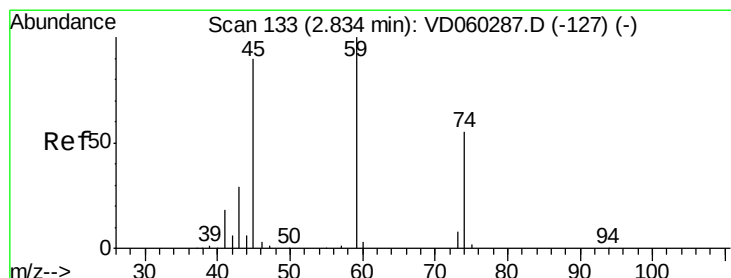
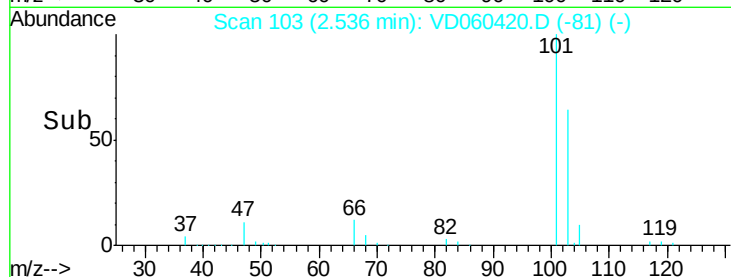
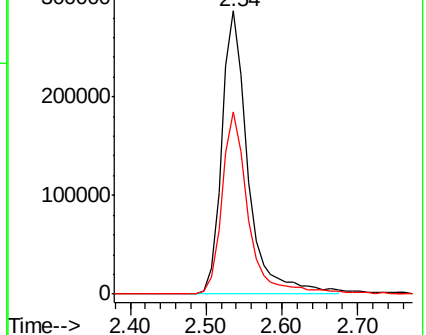
101 100

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: 49.76 ug/l

RT: 2.85 min Scan# 135

Delta R.T. 0.02 min

Lab File: VD060420.D

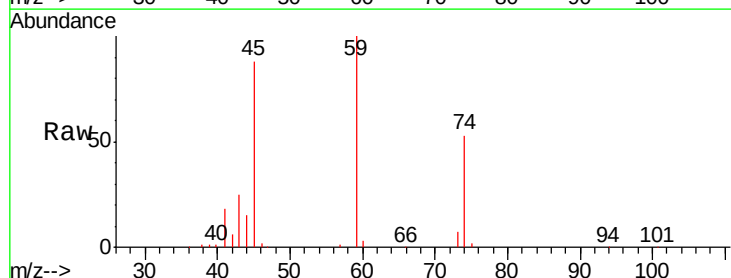
Acq: 20 Nov 2018 10:37

Tgt Ion: 74 Resp: 119345

Ion Ratio Lower Upper

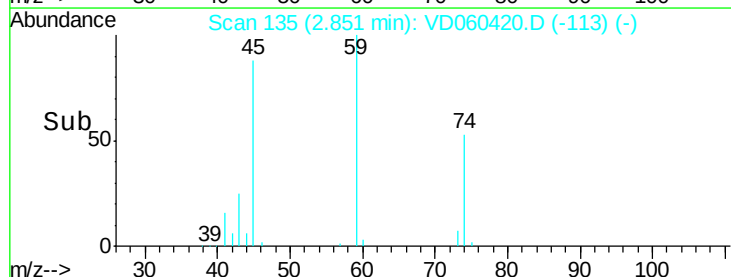
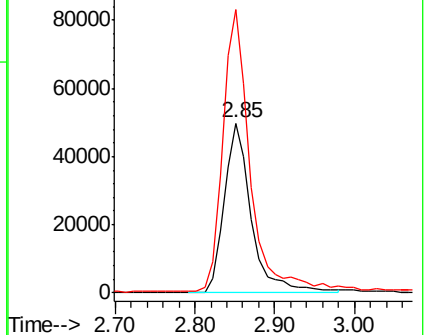
74 100

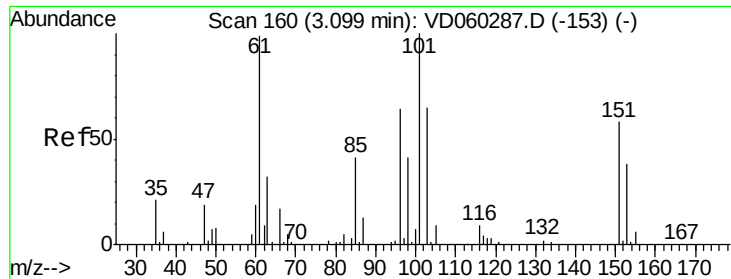
45 166.7 84.8 254.4



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: 51.06 ug/l

RT: 3.12 min Scan# 162

Delta R.T. 0.02 min

Lab File: VD060420.D

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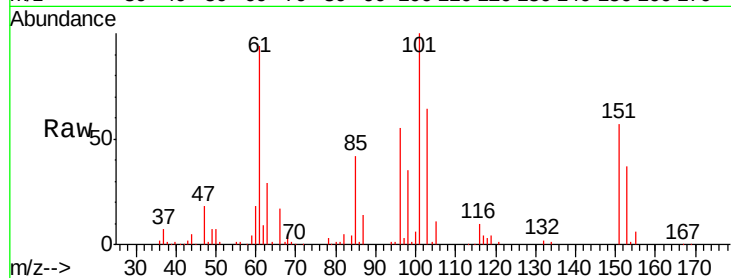
Tgt Ion:101 Resp: 444903

Ion Ratio Lower Upper

101 100

85 41.8 31.4 47.0

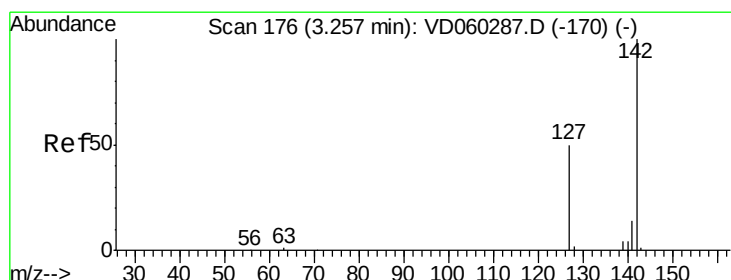
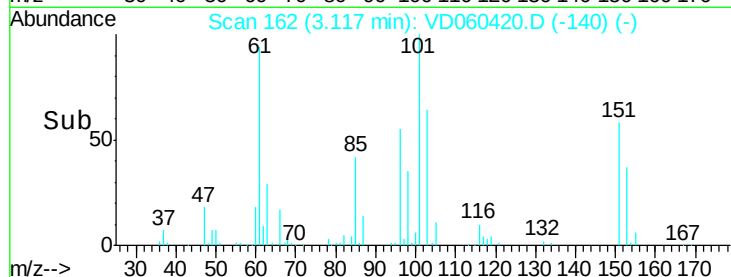
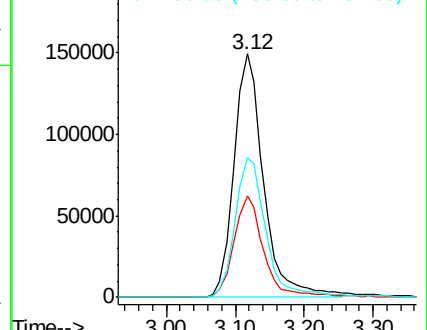
151 57.4 47.4 71.0



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: 44.34 ug/l

RT: 3.27 min Scan# 178

Delta R.T. 0.02 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

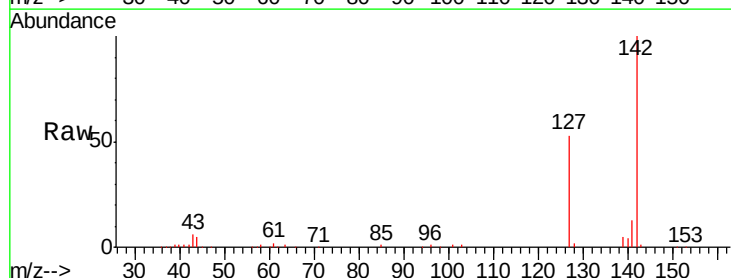
Tgt Ion:142 Resp: 501758

Ion Ratio Lower Upper

142 100

127 52.7 41.0 61.6

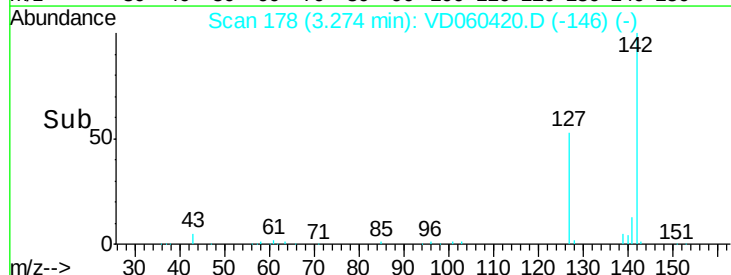
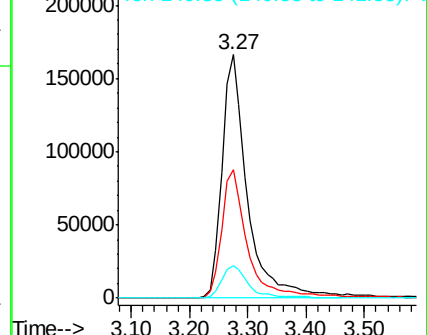
141 13.3 11.9 17.9

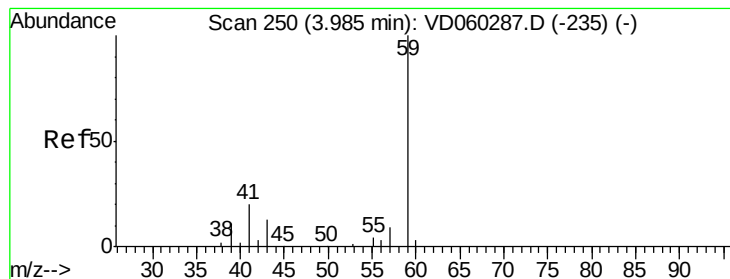


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



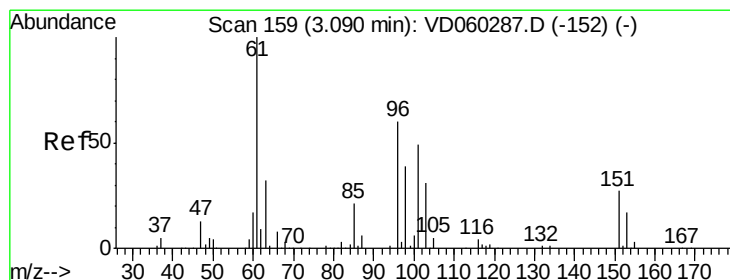
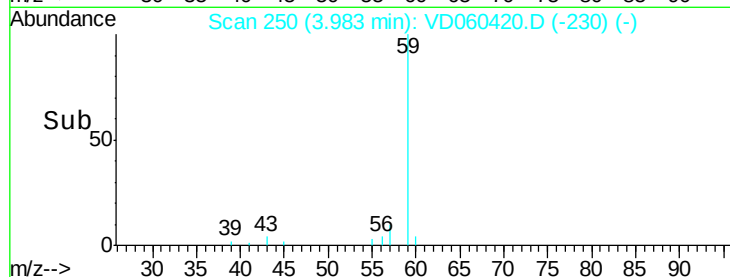
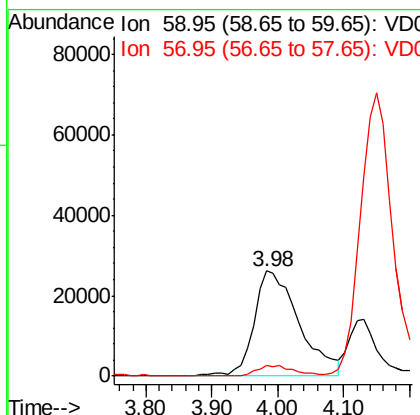
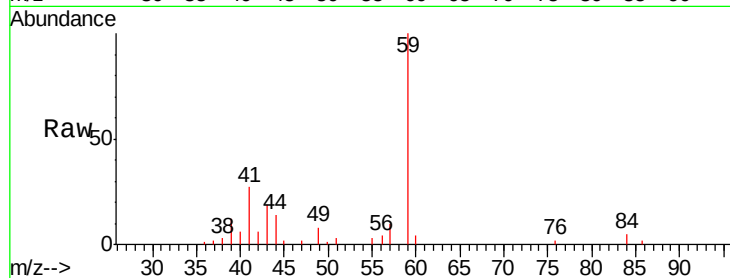


#11

Tert butyl alcohol
 Concen: 294.08 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

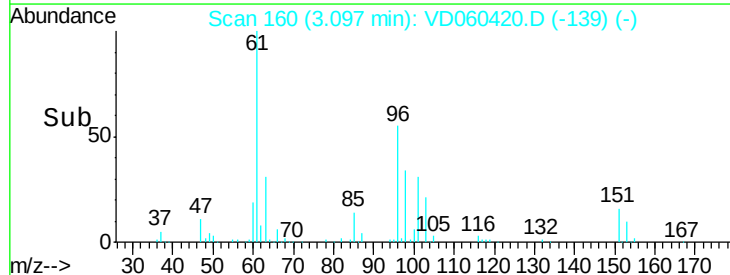
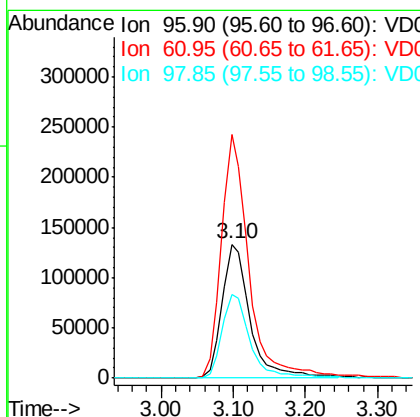
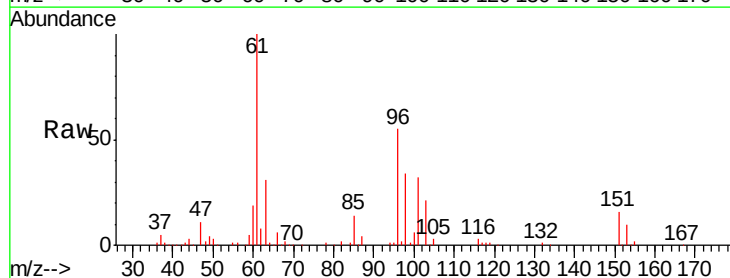
Tgt Ion: 59 Resp: 125602
 Ion Ratio Lower Upper
 59 100
 57 9.9 9.3 13.9

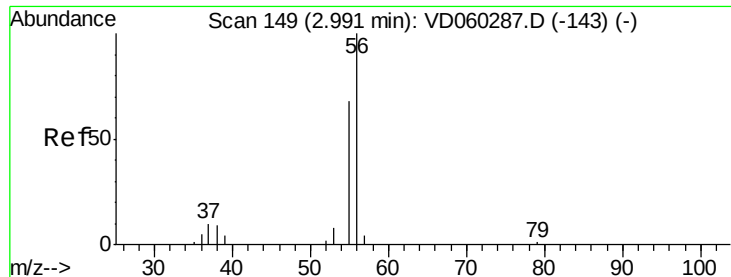


#12

1,1-Dichloroethene
 Concen: 50.60 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





#13

Acrolein

Concen: 201.36 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 :

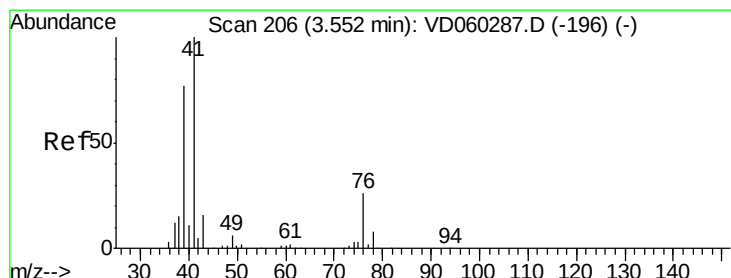
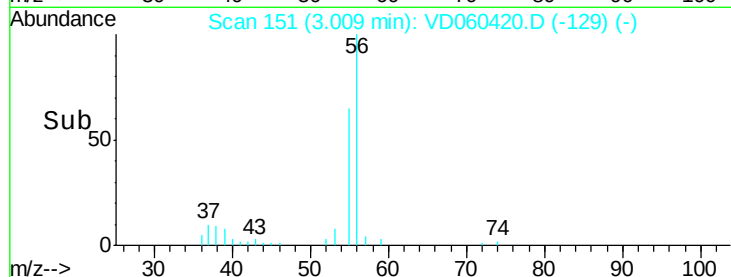
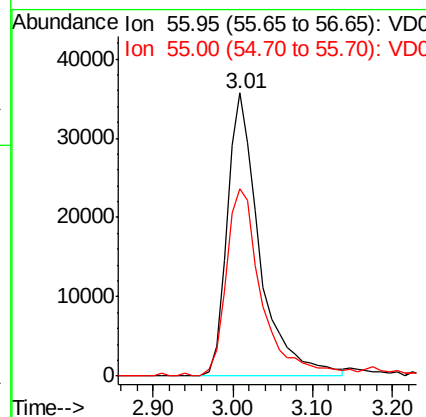
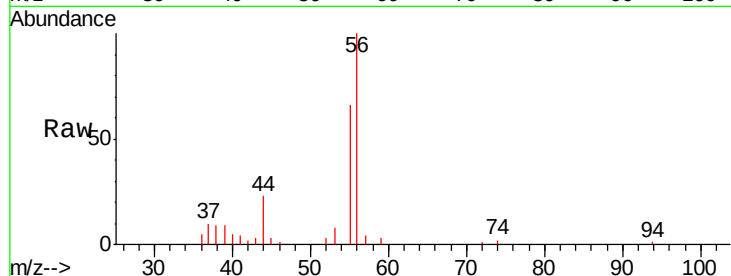
VSTDCCC050

Tgt Ion: 56 Resp: 101622

Ion Ratio Lower Upper

56 100

55 66.3 57.0 85.6



#14

Allyl chloride

Concen: 52.50 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.01 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

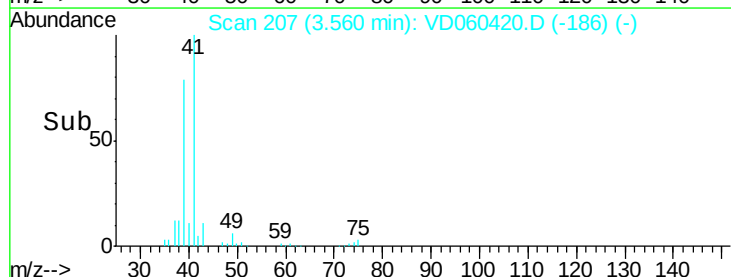
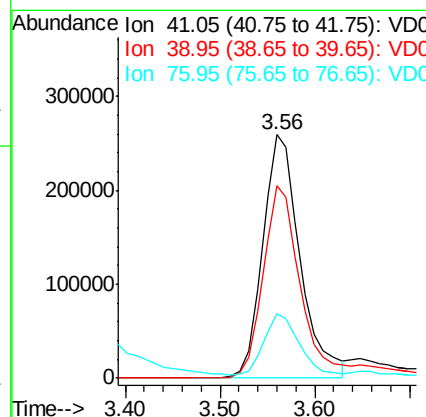
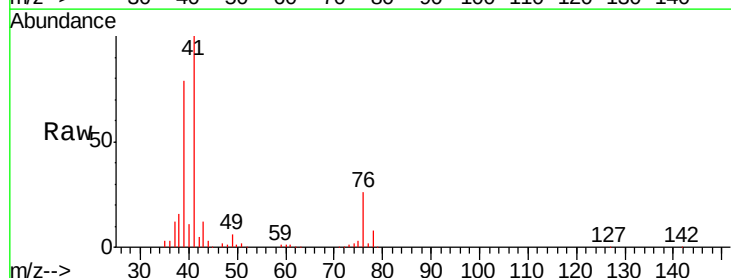
Tgt Ion: 41 Resp: 711943

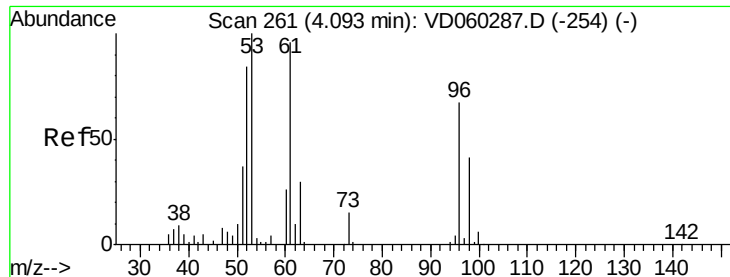
Ion Ratio Lower Upper

41 100

39 79.2 60.4 90.6

76 26.3 21.8 32.8





#15

Acrylonitrile

Concen: 263.17 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

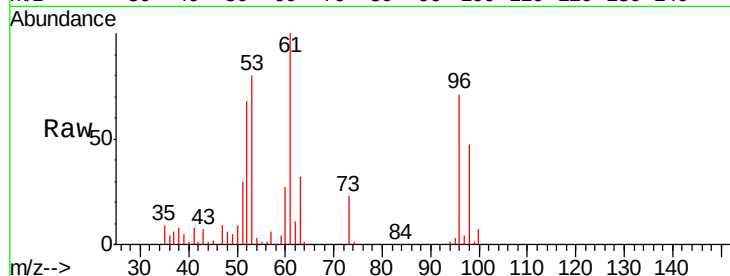
Tgt Ion: 53 Resp: 655453

Ion Ratio Lower Upper

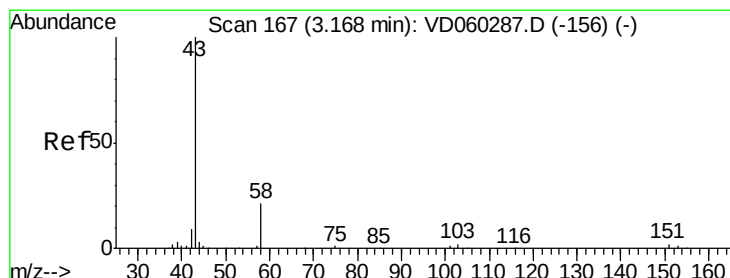
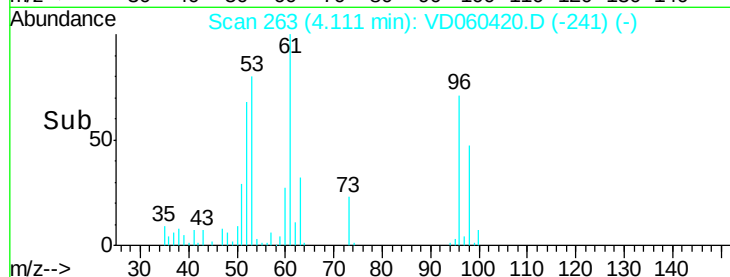
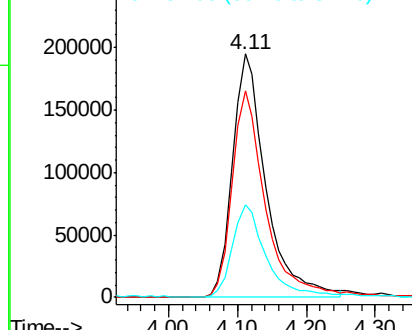
53 100

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: 280.52 ug/l

RT: 3.19 min Scan# 169

Delta R.T. 0.02 min

Lab File: VD060420.D

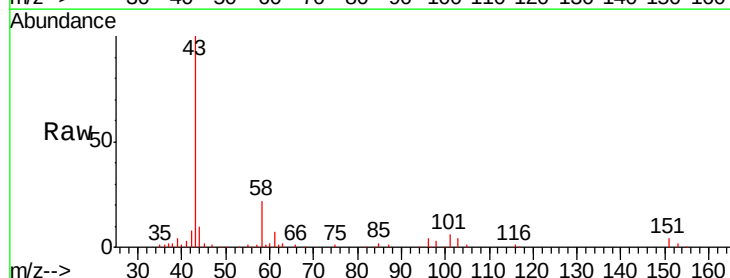
Acq: 20 Nov 2018 10:37

Tgt Ion: 43 Resp: 506099

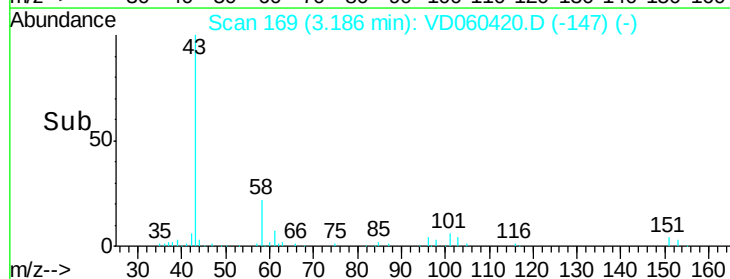
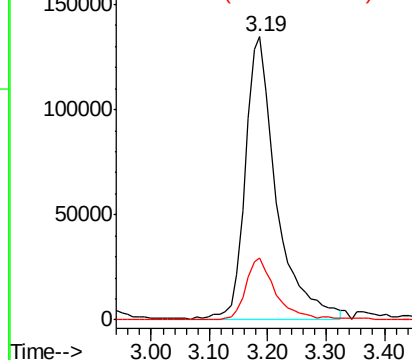
Ion Ratio Lower Upper

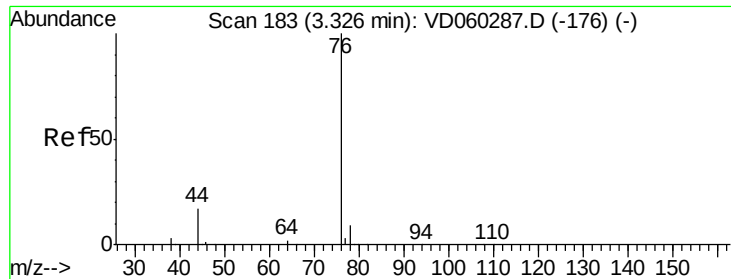
43 100

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: 46.45 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 :

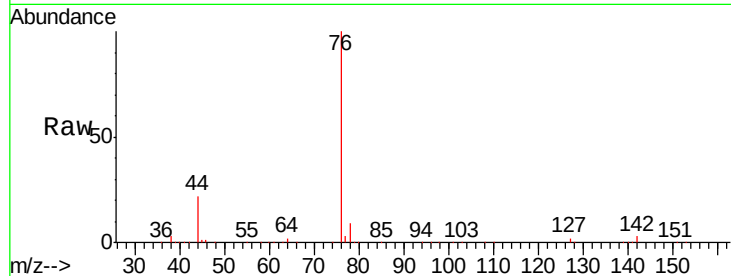
VSTDCCC050

Tgt Ion: 76 Resp: 1062727

Ion Ratio Lower Upper

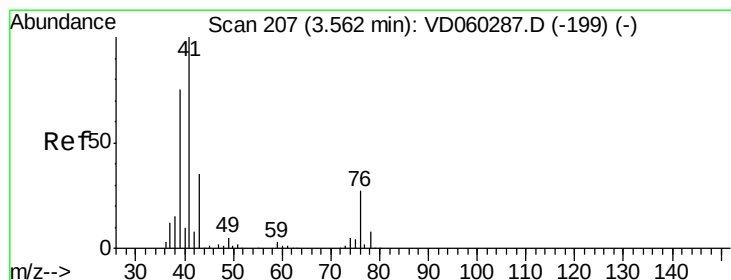
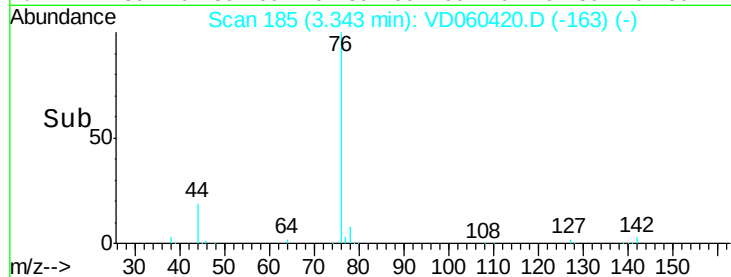
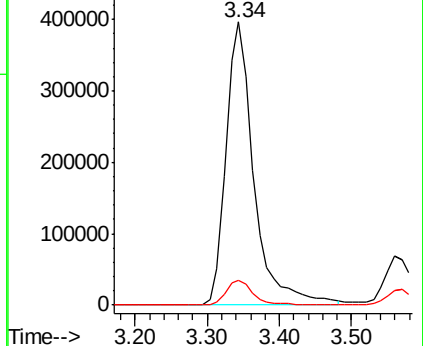
76 100

78 8.6 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 58.17 ug/l

RT: 3.58 min Scan# 209

Delta R.T. 0.02 min

Lab File: VD060420.D

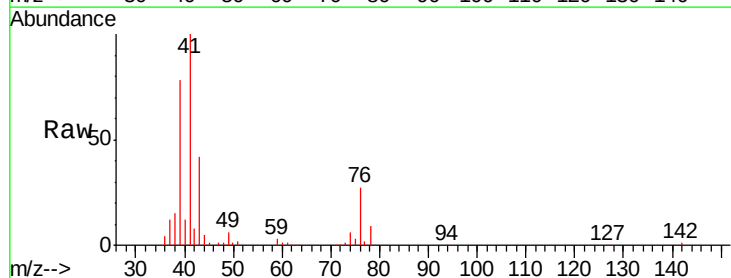
Acq: 20 Nov 2018 10:37

Tgt Ion: 43 Resp: 223764

Ion Ratio Lower Upper

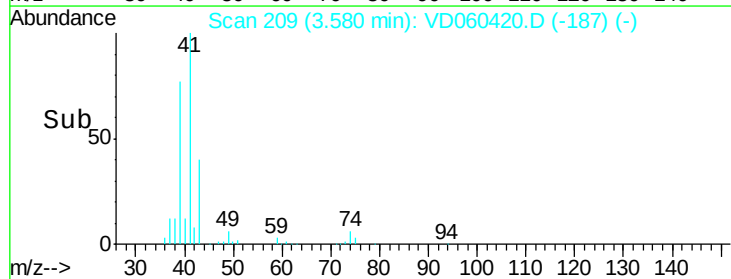
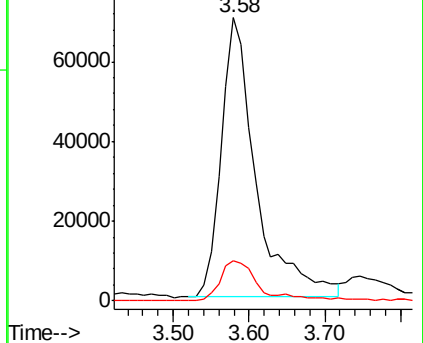
43 100

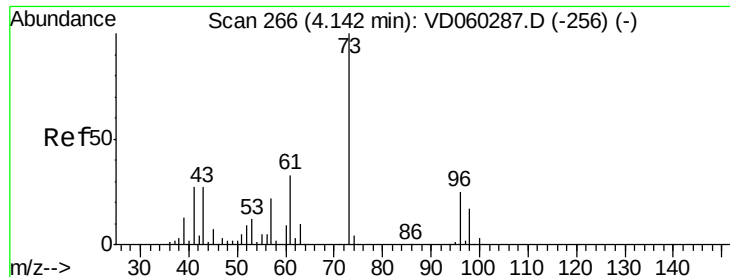
74 14.3 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

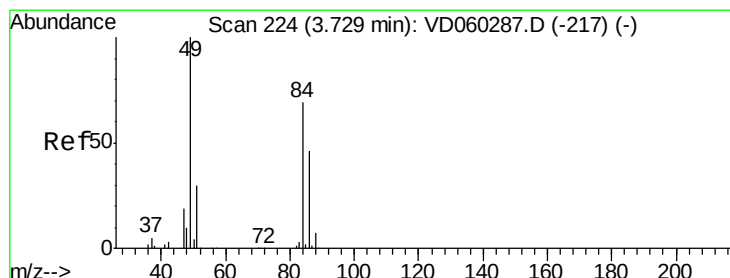
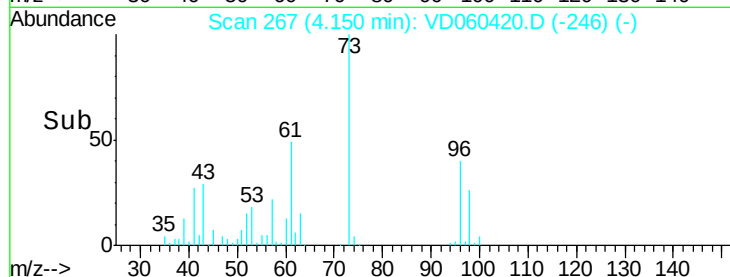
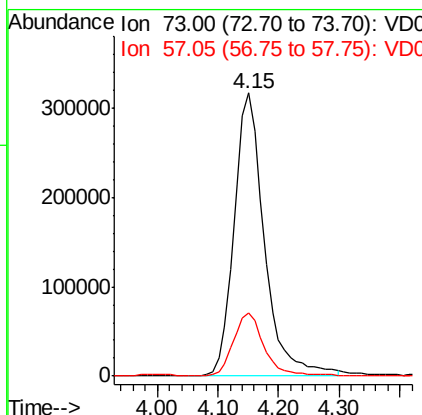
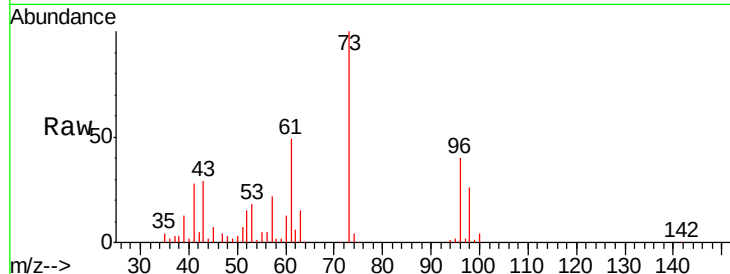




#19
Methyl tert-butyl Ether
Concen: 51.90 ug/l
RT: 4.15 min Scan# 267
Delta R.T. 0.01 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

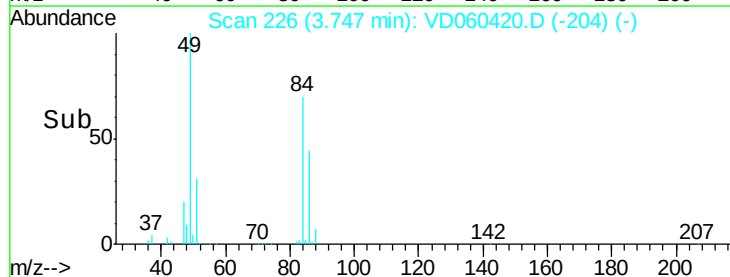
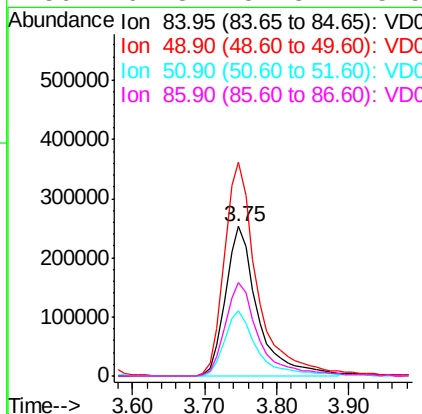
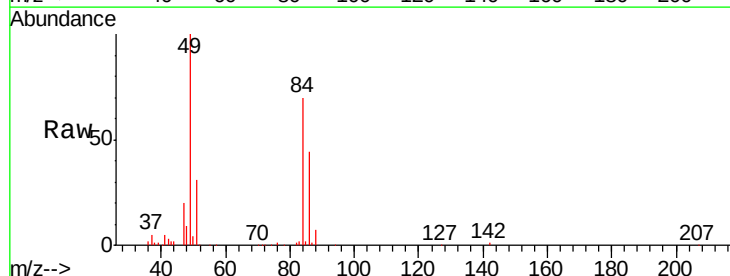
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

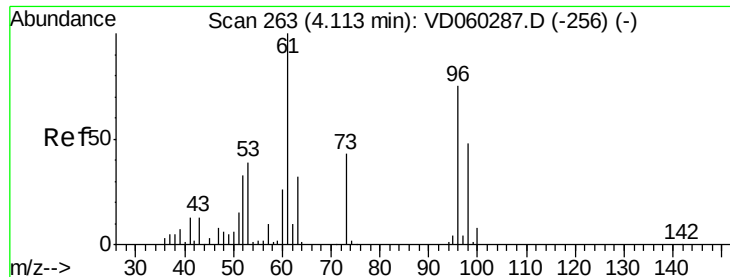
Tgt Ion: 73 Resp: 1101605
Ion Ratio Lower Upper
73 100
57 22.2 18.1 27.1



#20
Methylene Chloride
Concen: 48.91 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: 51.76 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

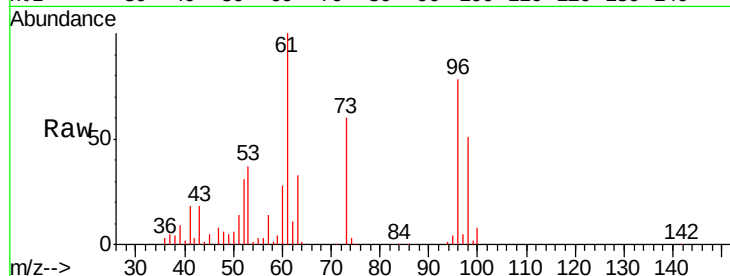
Tgt Ion: 96 Resp: 814596

Ion Ratio Lower Upper

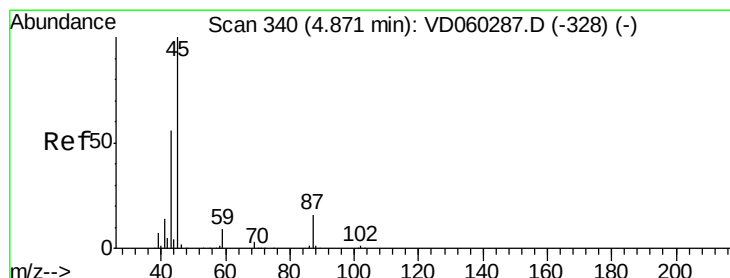
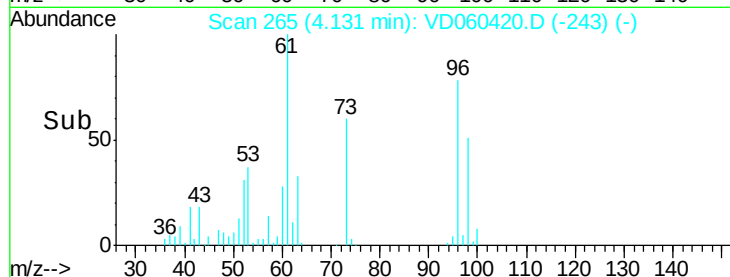
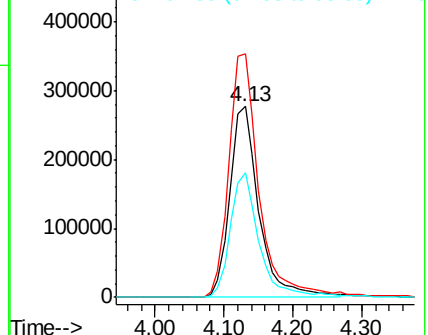
96 100

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: 52.68 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

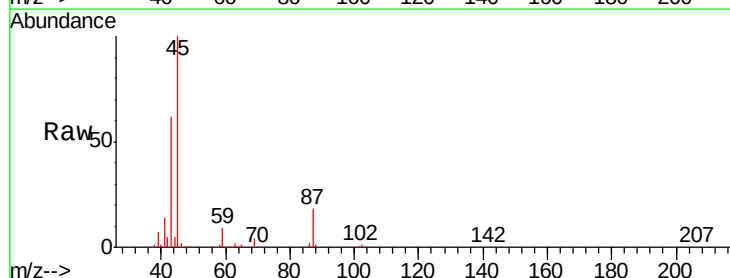
Ion Ratio Lower Upper

45 100

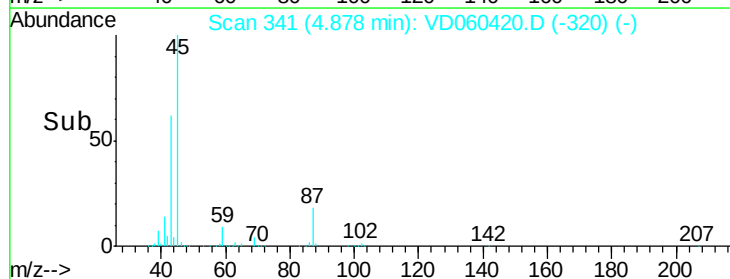
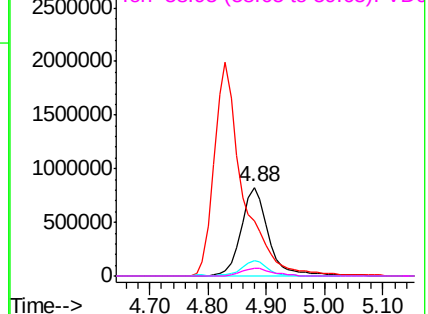
43 61.7 44.9 67.3

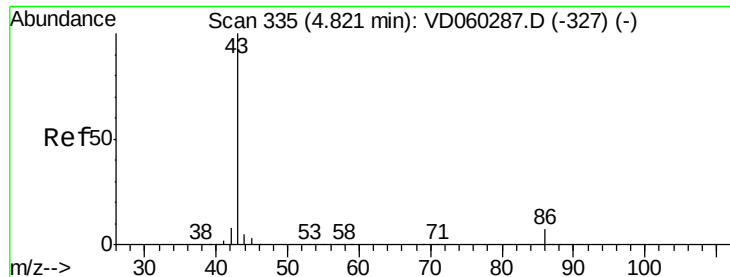
87 17.6 13.9 20.9

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

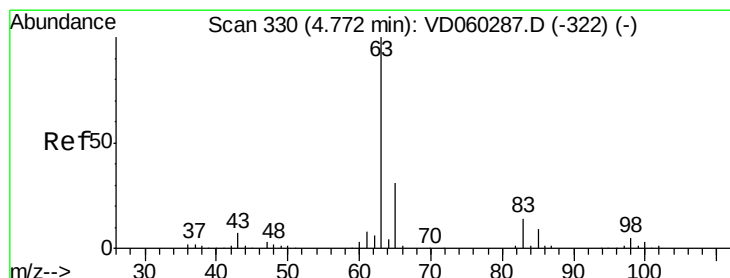
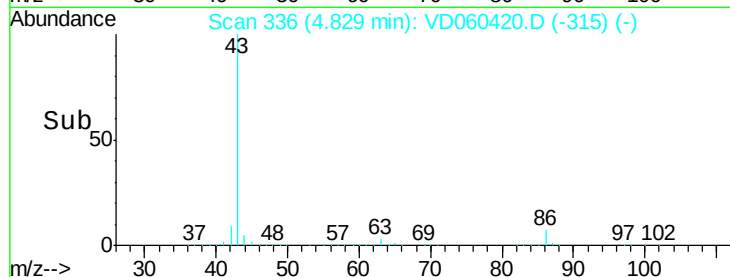
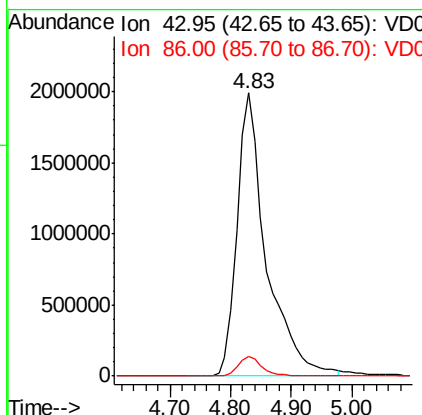
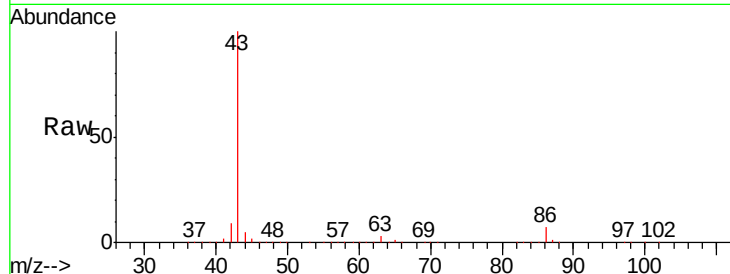




#23
 Vinyl Acetate
 Concen: 265.16 ug/l
 RT: 4.83 min Scan# 336
 Delta R.T. 0.01 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

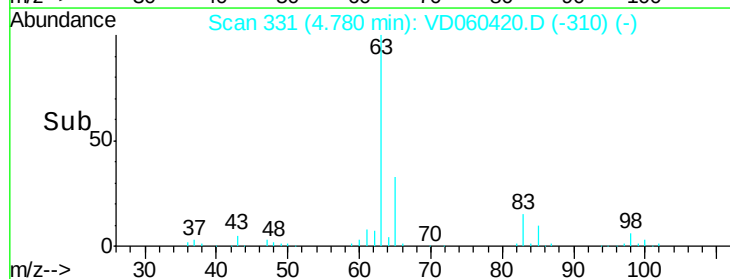
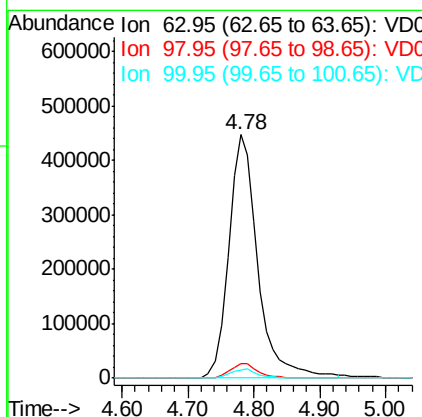
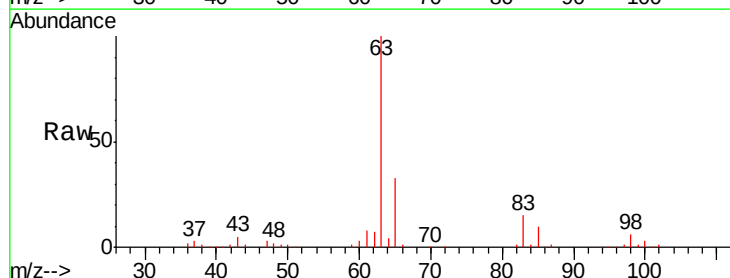
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

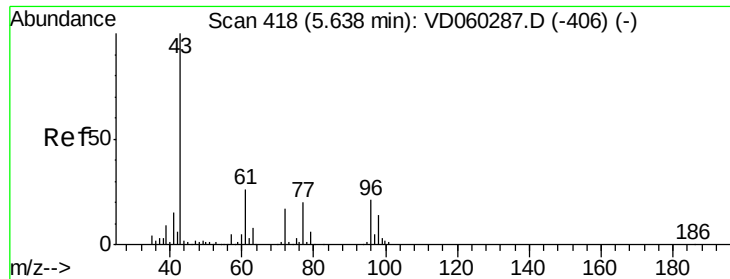
Tgt Ion: 43 Resp: 6685079
 Ion Ratio Lower Upper
 43 100
 86 6.9 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 52.90 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





#25

2-Butanone

Concen: 265.12 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 :

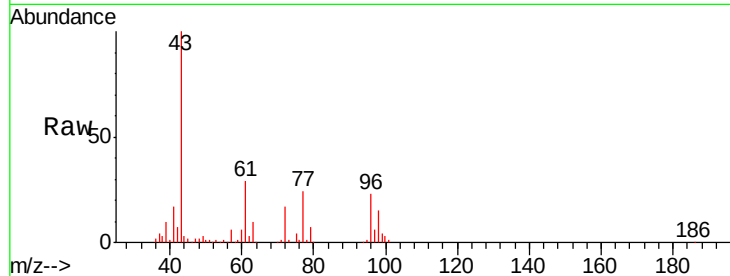
VSTDCCC050

Tgt 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

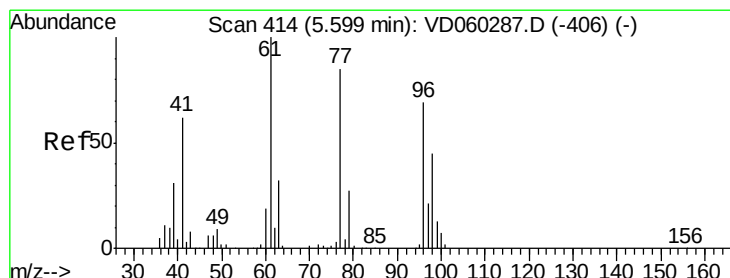
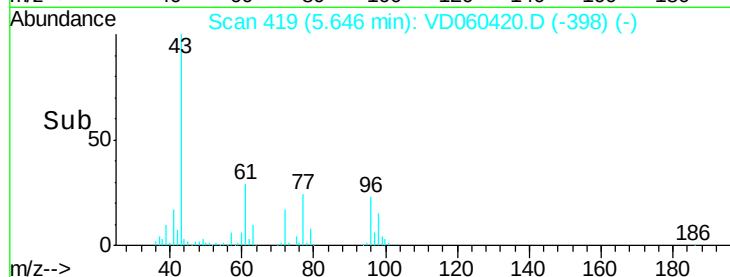
100000

0

5.50 5.60 5.70

5.65

Time-->



#26

2,2-Dichloropropane

Concen: 54.75 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060420.D

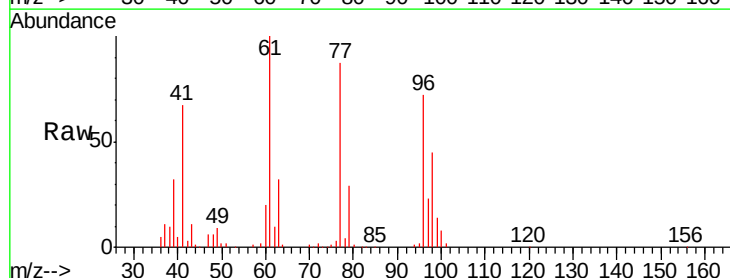
Acq: 20 Nov 2018 10:37

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

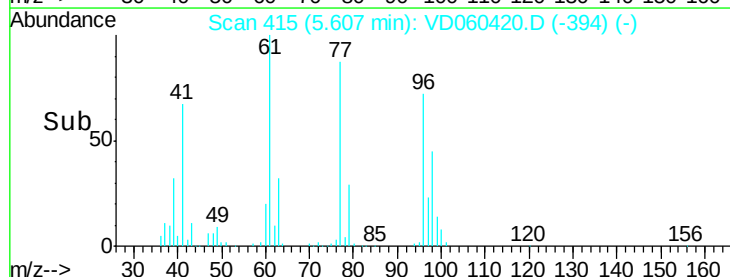
100000

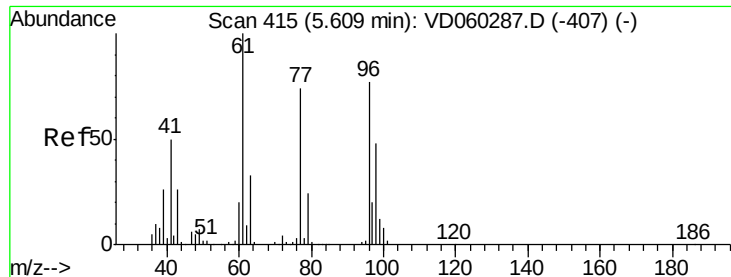
0

5.50 5.60 5.70 5.80

5.61

Time-->



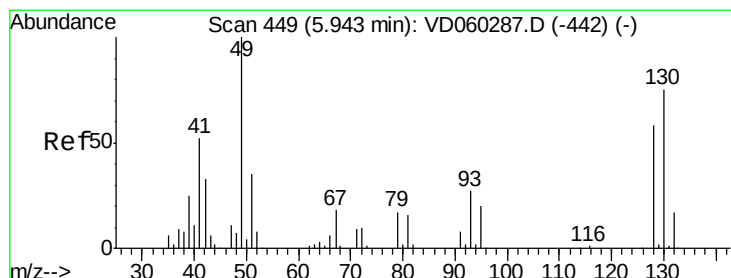
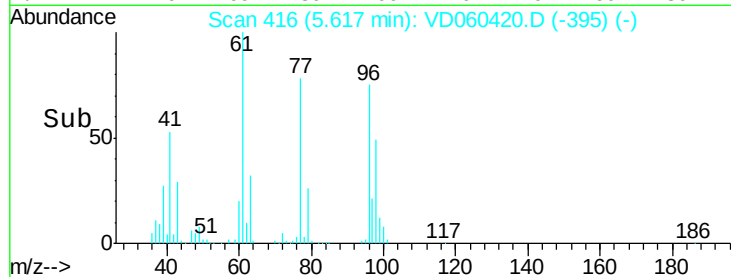
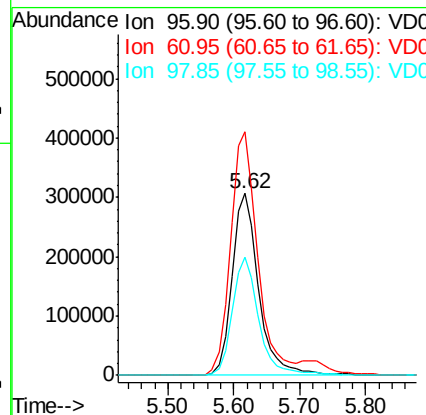
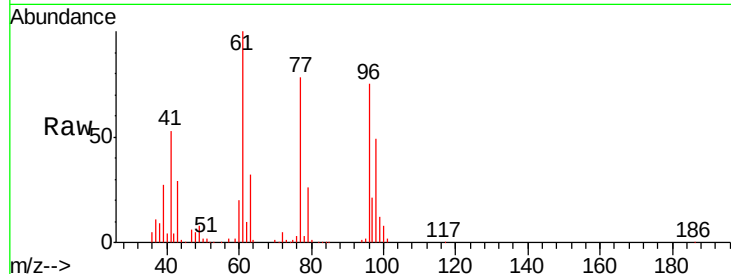


#27

cis-1,2-Dichloroethene
Concen: 53.07 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

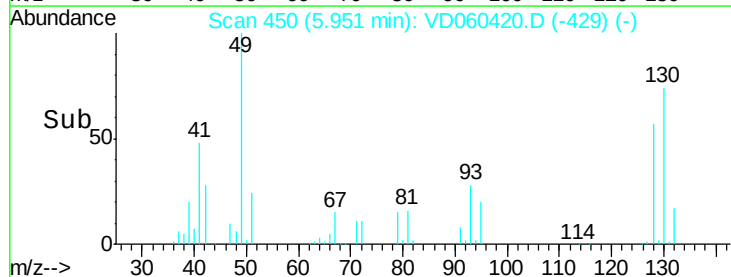
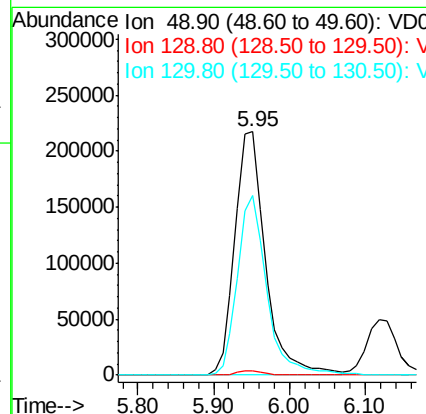
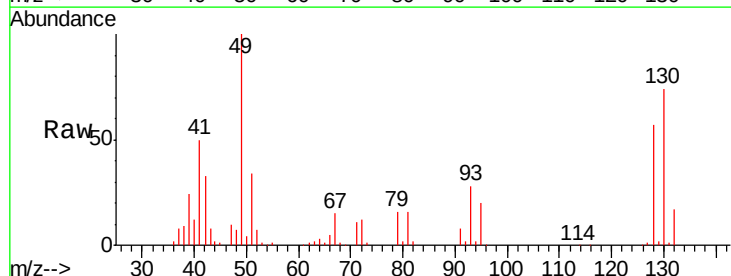
Tgt Ion: 96 Resp: 870071
Ion Ratio Lower Upper
96 100
61 133.9 0.0 259.0
98 65.1 0.0 128.8

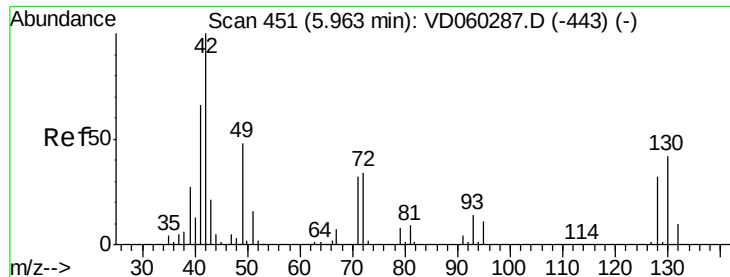


#28

Bromochloromethane
Concen: 53.04 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

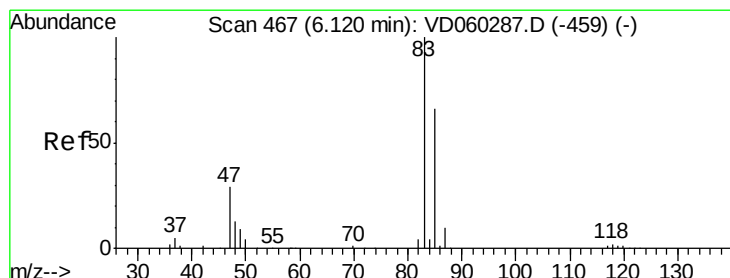
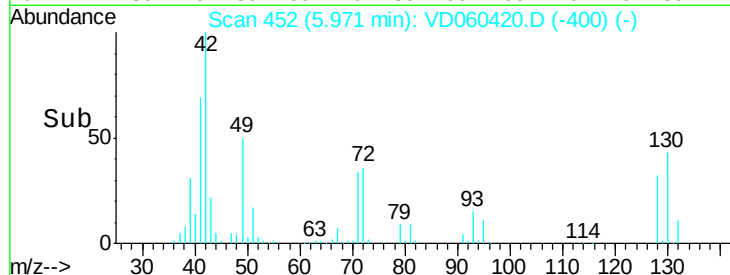
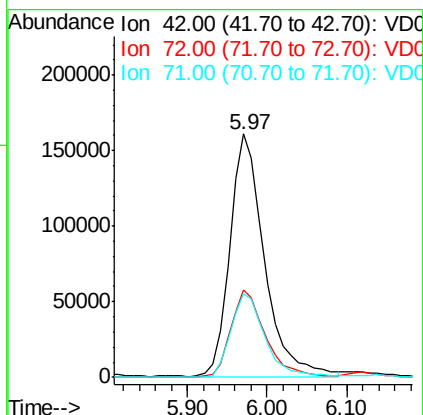
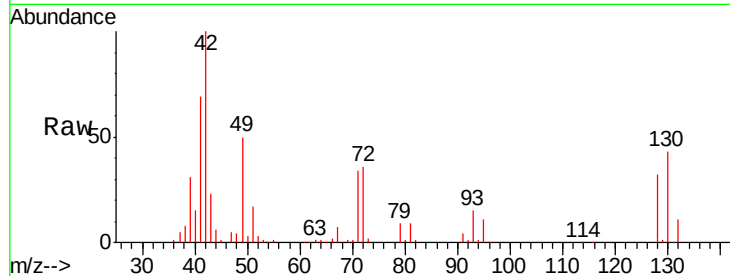




#29
Tetrahydrofuran
Concen: 247.02 ug/l
RT: 5.97 min Scan# 452
Delta R.T. 0.01 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

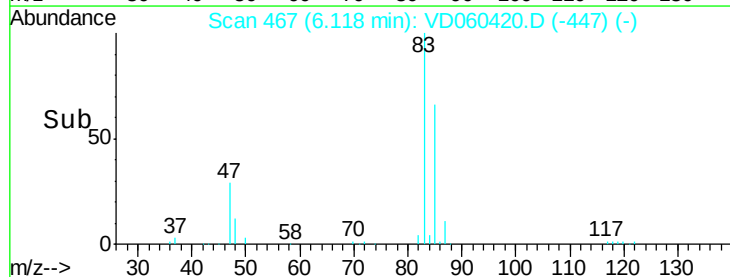
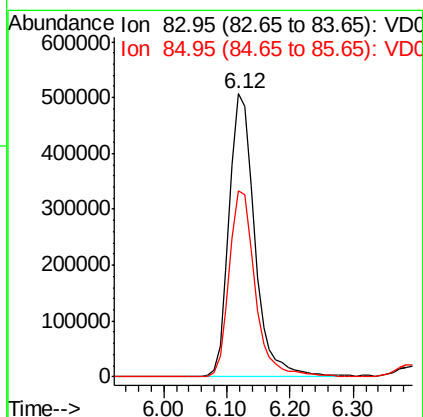
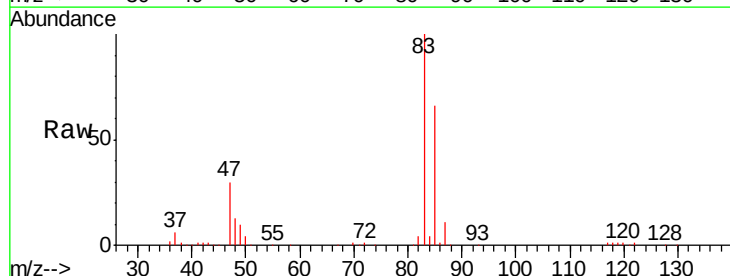
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

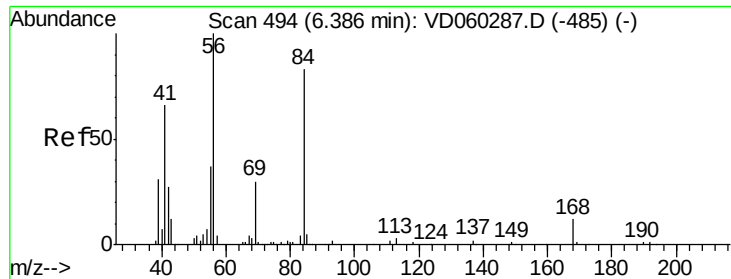
Tgt Ion: 42 Resp: 488386
Ion Ratio Lower Upper
42 100
72 35.9 27.6 41.4
71 34.3 26.5 39.7



#30
Chloroform
Concen: 54.93 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

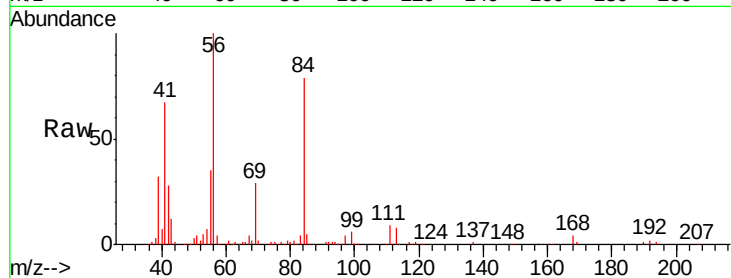




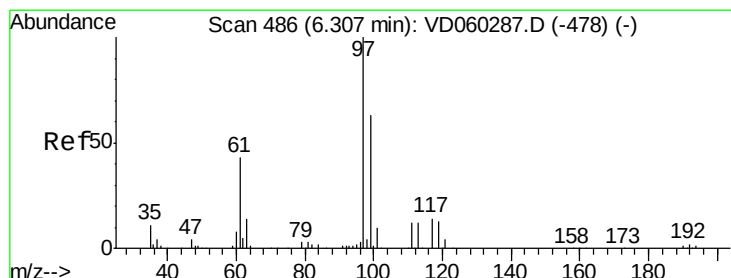
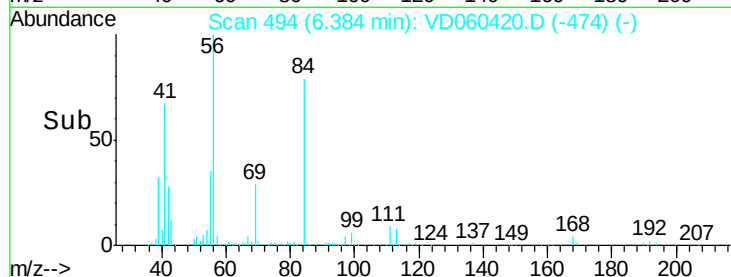
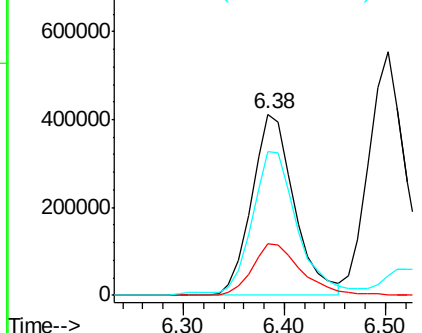
#31
Cyclohexane
Concen: 48.68 ug/l
RT: 6.38 min Scan# 494
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

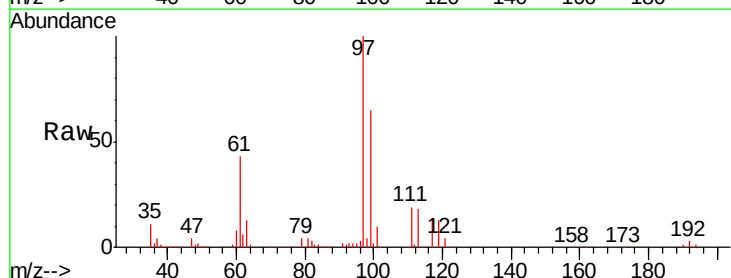


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

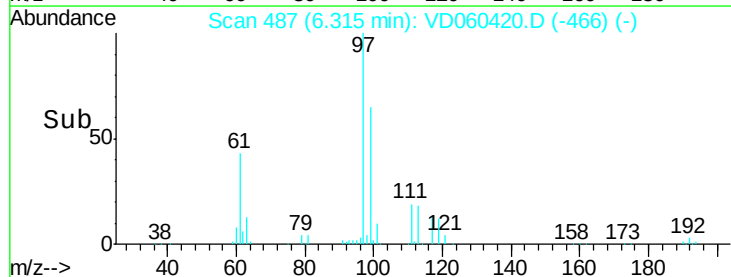
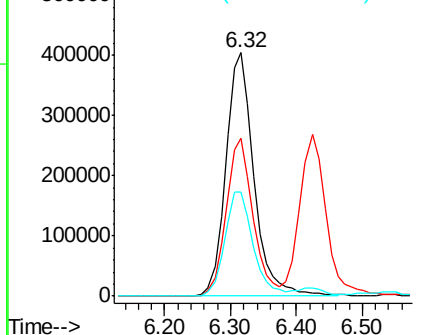


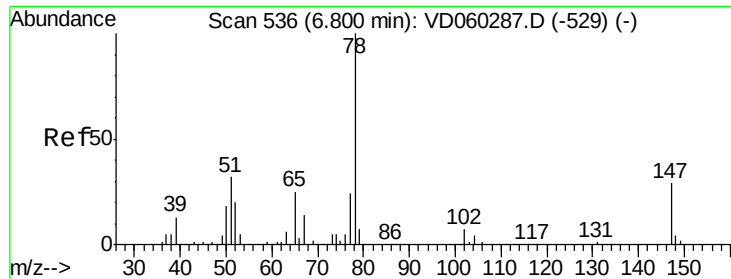
#32
1,1,1-Trichloroethane
Concen: 55.12 ug/l
RT: 6.32 min Scan# 487
Delta R.T. 0.01 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

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

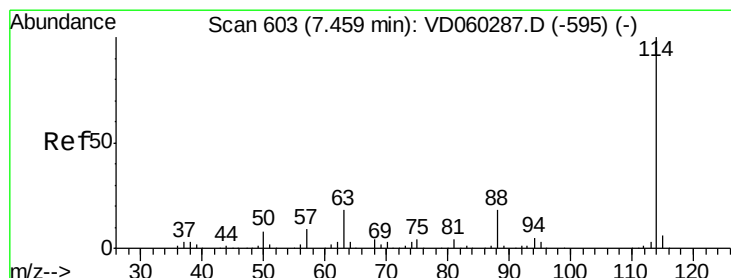
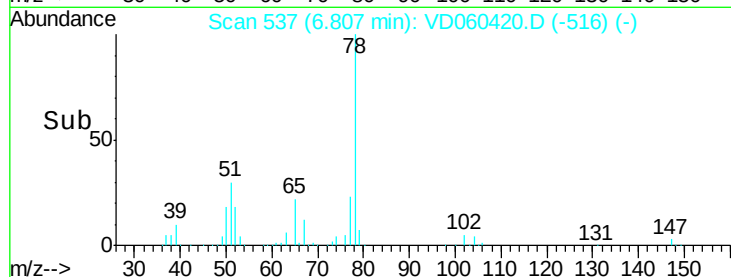
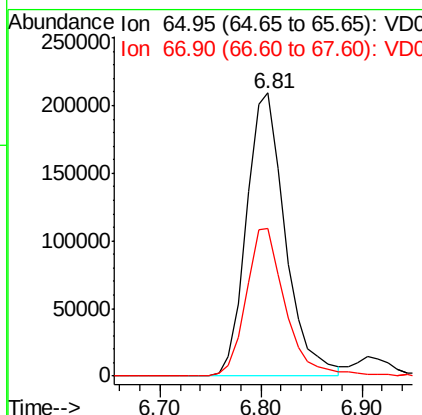
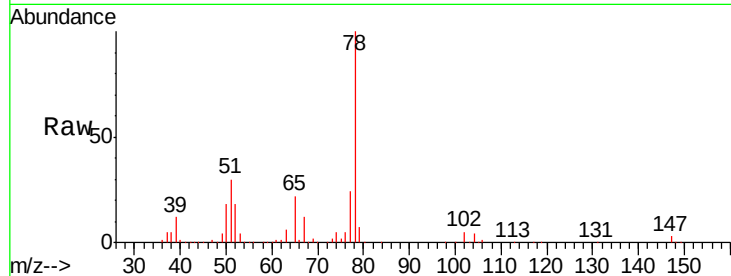




#33
 1,2-Dichloroethane-d4
 Concen: 55.12 ug/l
 RT: 6.81 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

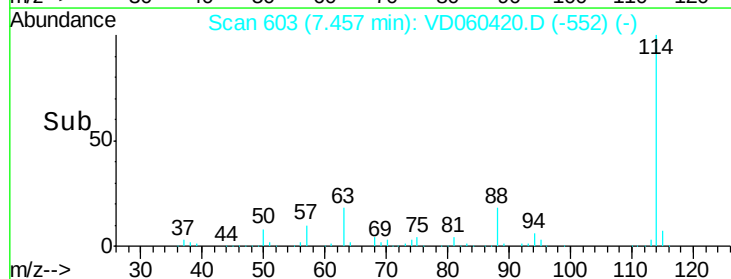
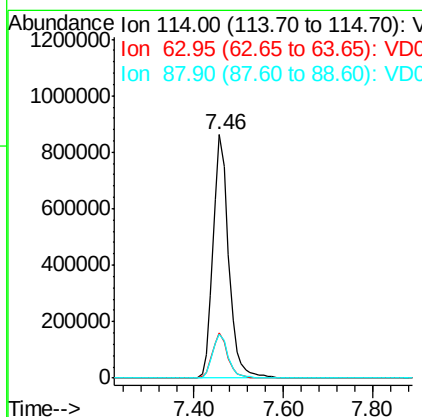
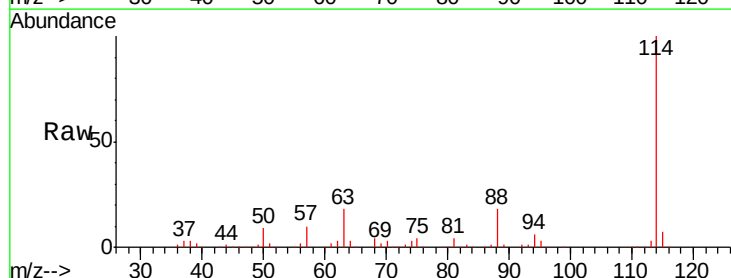
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

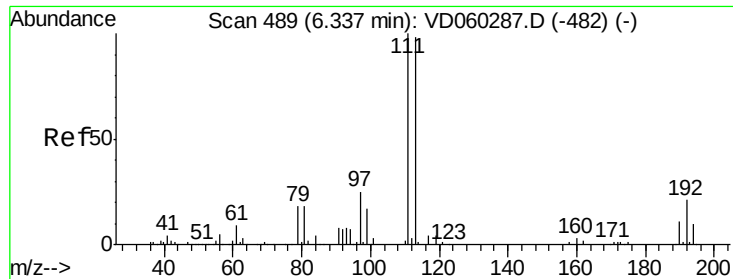
Tgt Ion: 65 Resp: 558507
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 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

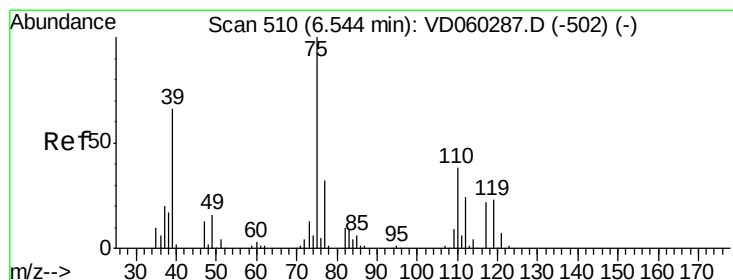
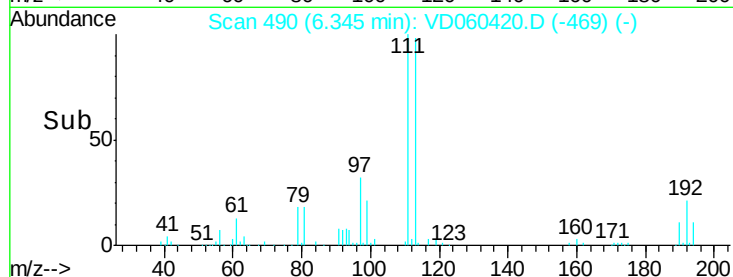
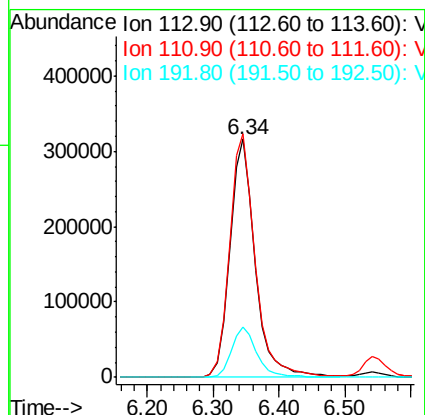
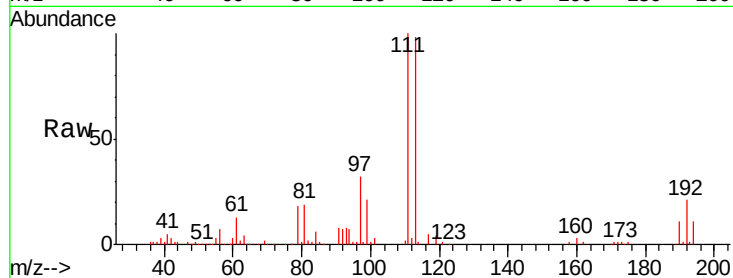




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.34 min Scan# 490
 Delta R.T. 0.01 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

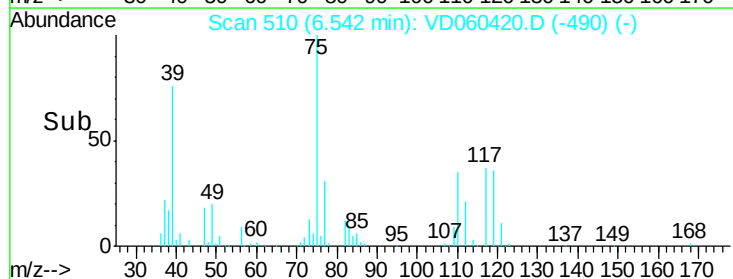
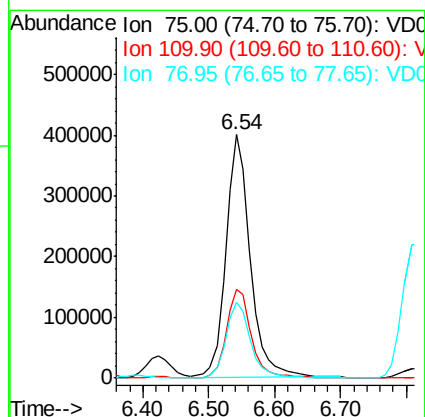
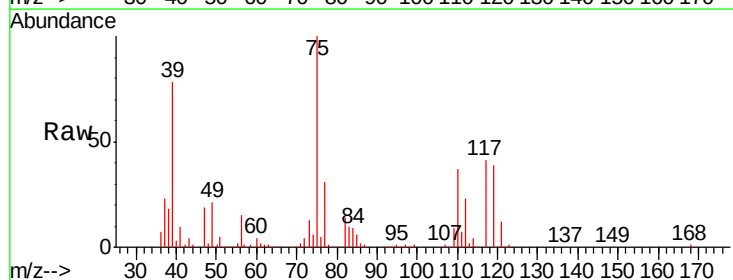
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

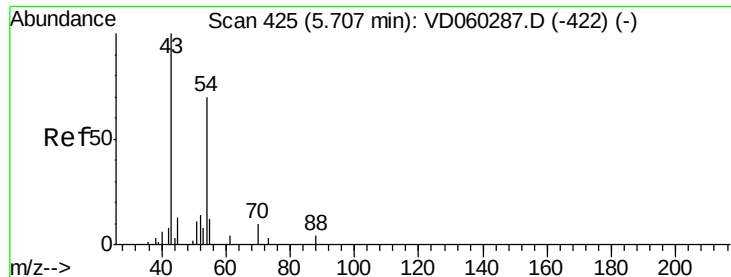
Tgt Ion:113 Resp: 847739
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.6 122.4
 192 21.2 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 49.62 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

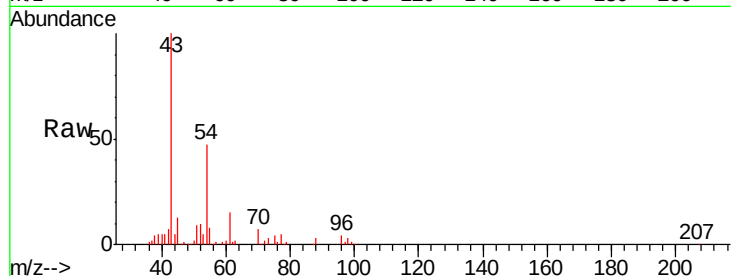




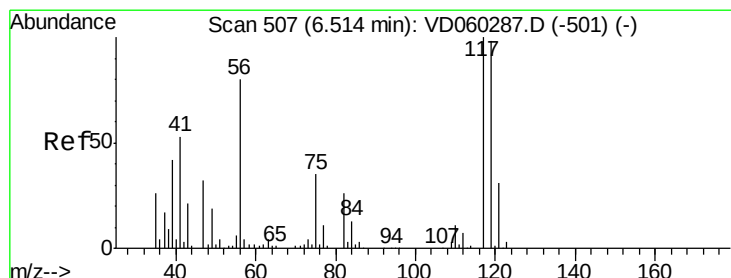
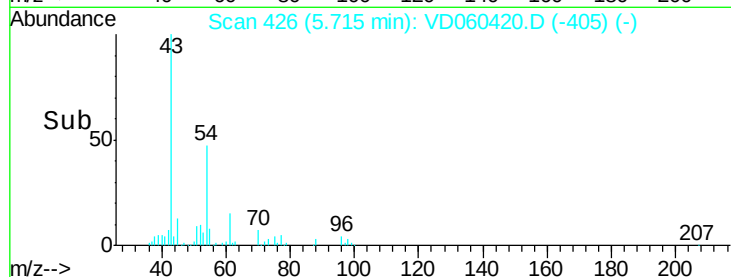
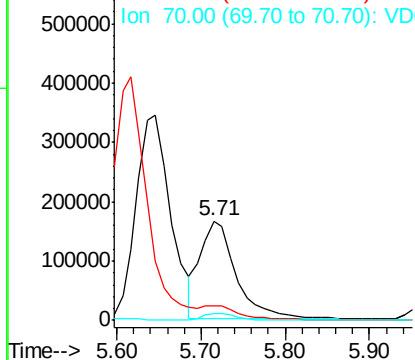
#37
Ethyl Acetate
Concen: 51.51 ug/l
RT: 5.71 min Scan# 426
Delta R.T. 0.01 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

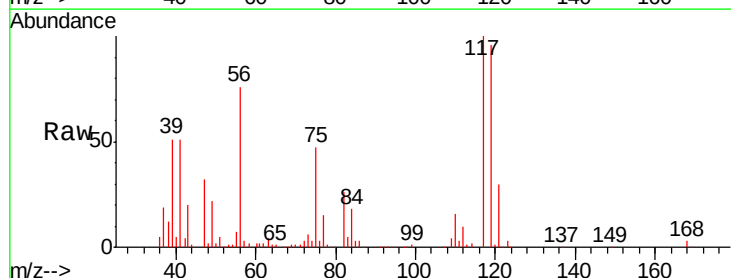


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

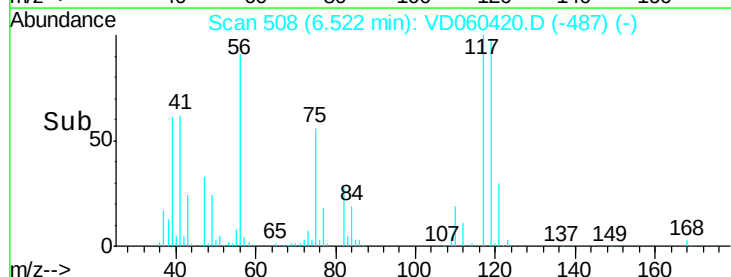
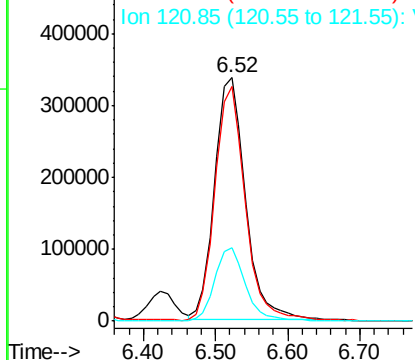


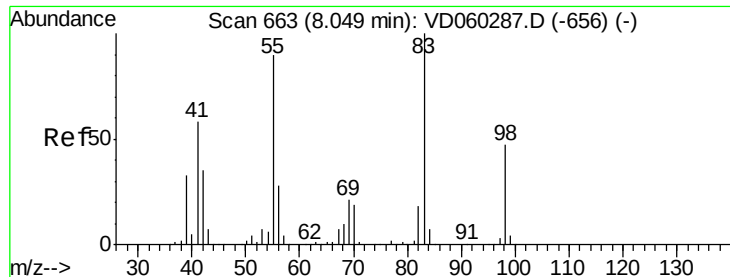
#38
Carbon Tetrachloride
Concen: 52.02 ug/l
RT: 6.52 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

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



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

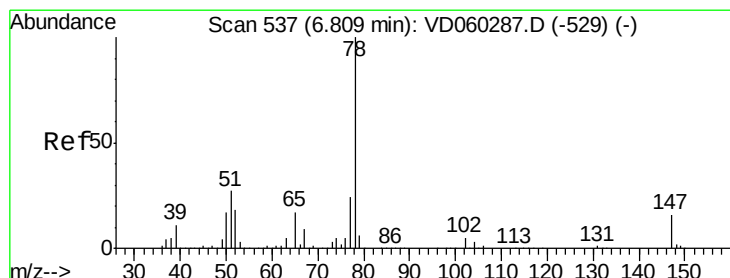
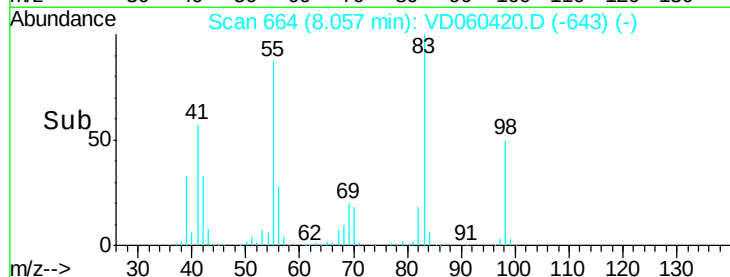
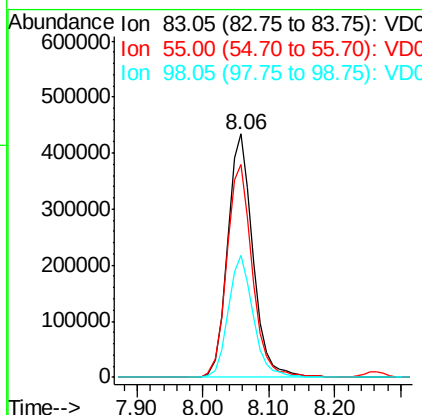
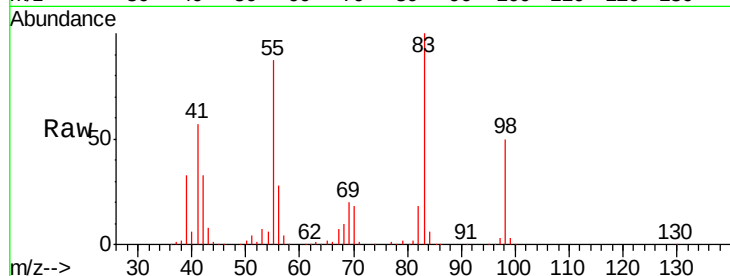




#39
Methylcyclohexane
Concen: 49.15 ug/l
RT: 8.06 min Scan# 664
Delta R.T. 0.01 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

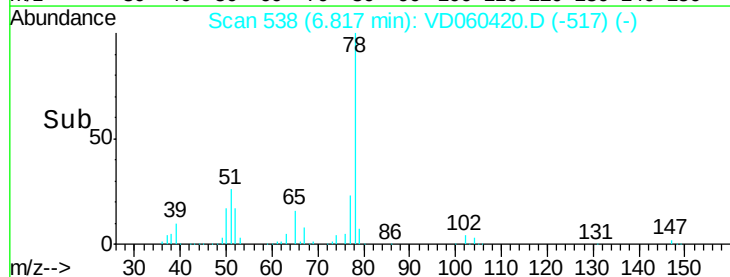
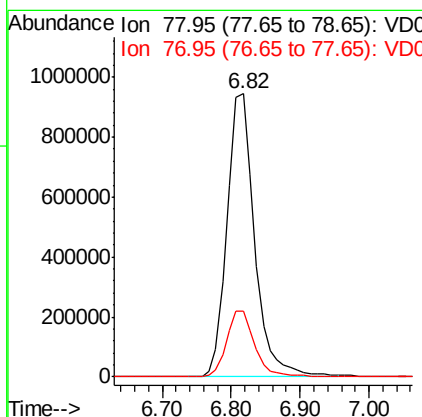
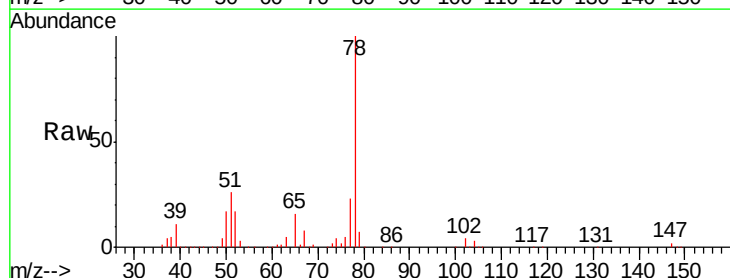
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

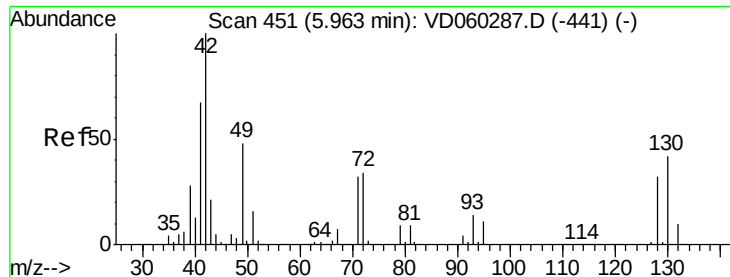
Tgt Ion: 83 Resp: 1167843
Ion Ratio Lower Upper
83 100
55 87.2 71.2 106.8
98 50.1 38.4 57.6



#40
Benzene
Concen: 49.89 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

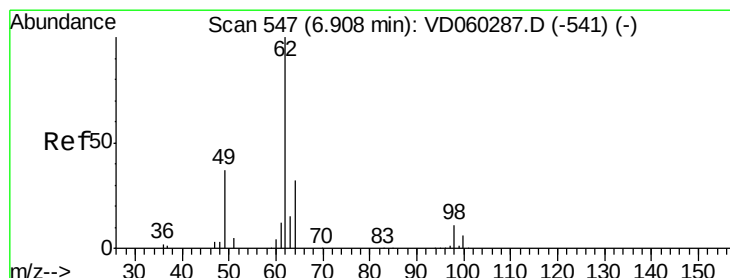
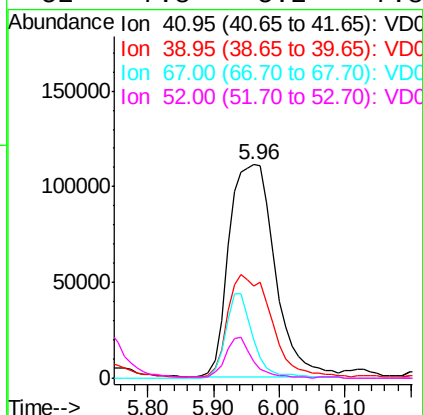
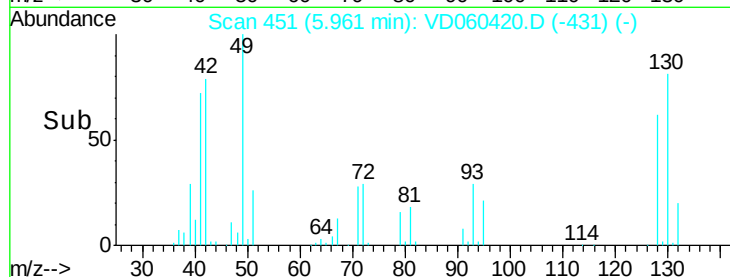
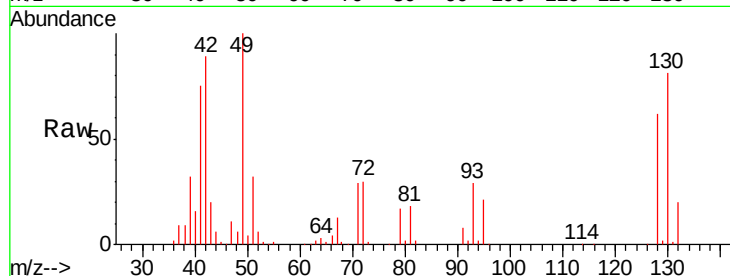




#41
Methacrylonitrile
Concen: 49.87 ug/l
RT: 5.96 min Scan# 451
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

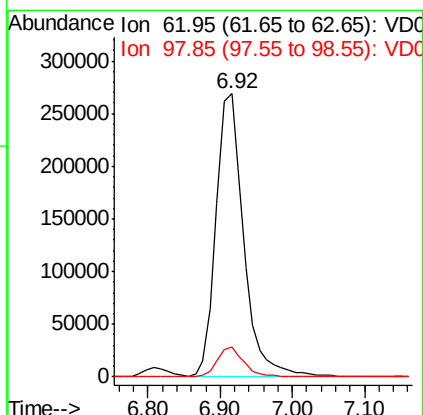
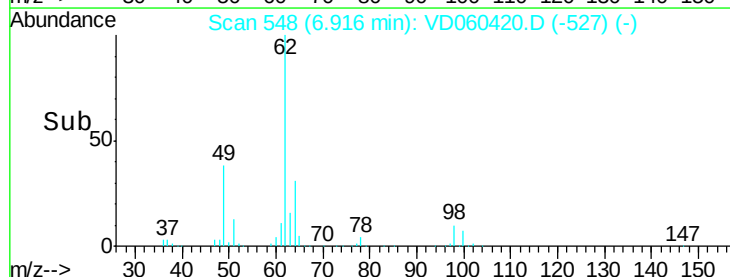
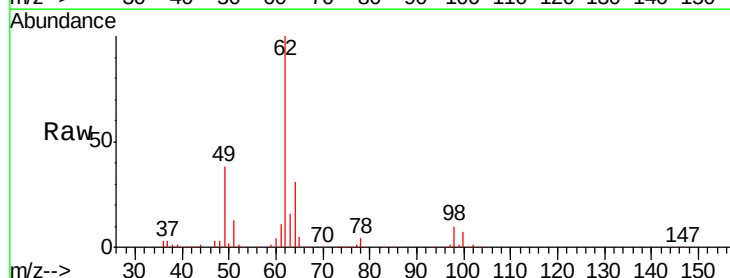
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

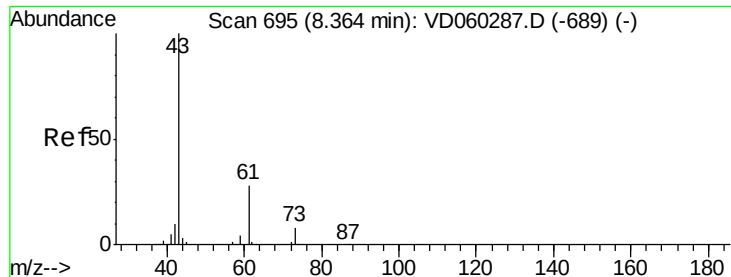
Tgt Ion:	41	Resp:	542550
Ion	Ratio	Lower	Upper
41	100		
39	43.0	36.2	54.2
67	17.8	11.9	17.9
52	7.8	5.2	7.8



#42
1,2-Dichloroethane
Concen: 51.17 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





#43

Isopropyl Acetate

Concen: 51.18 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

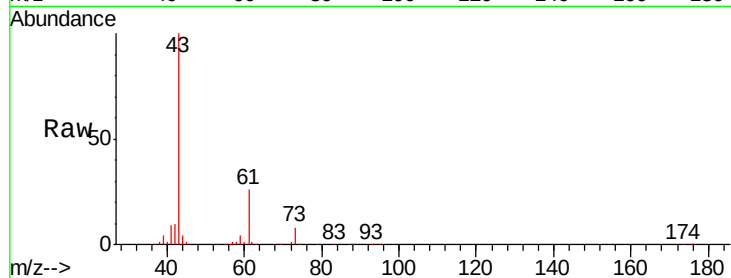
Tgt Ion: 43 Resp: 611077

Ion Ratio Lower Upper

43 100

61 26.5 22.3 33.5

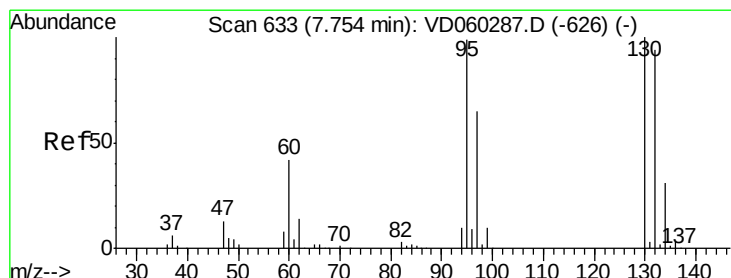
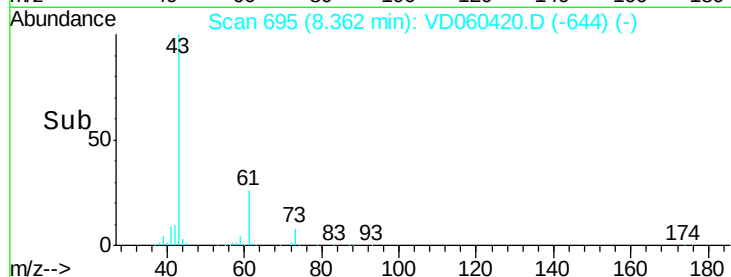
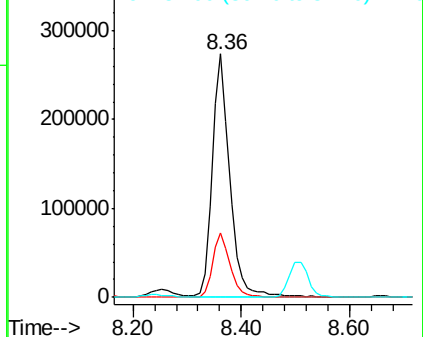
87 0.3 0.2 0.2#



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: 51.30 ug/l

RT: 7.75 min Scan# 633

Delta R.T. -0.00 min

Lab File: VD060420.D

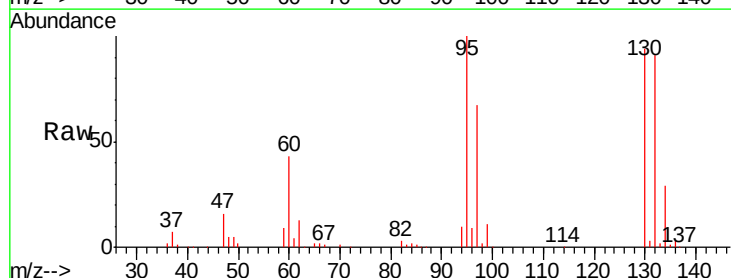
Acq: 20 Nov 2018 10:37

Tgt Ion: 130 Resp: 820003

Ion Ratio Lower Upper

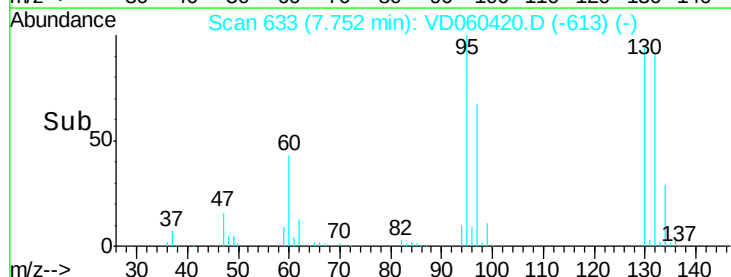
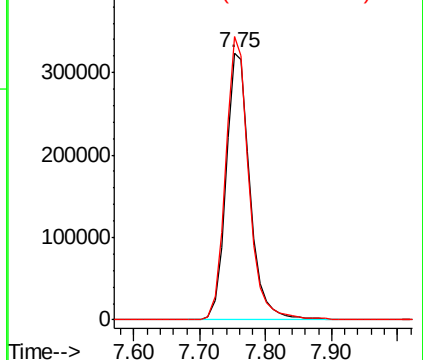
130 100

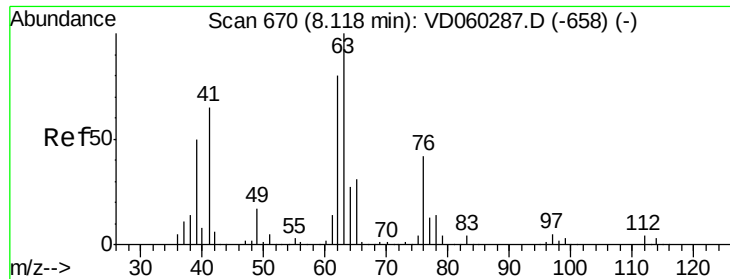
95 105.9 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.01 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 :

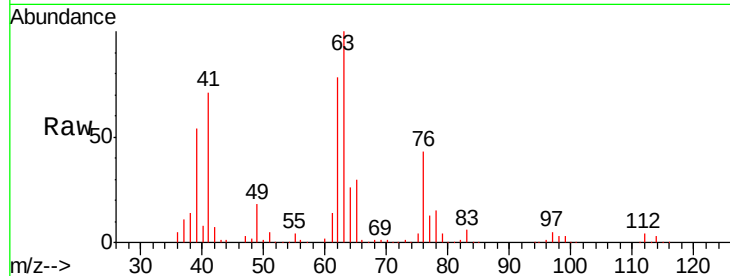
VSTDCCC050

Tgt Ion: 63 Resp: 691597

Ion Ratio Lower Upper

63 100

65 30.0 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.12

250000

200000

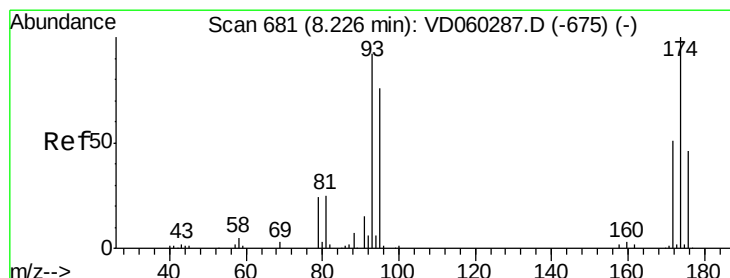
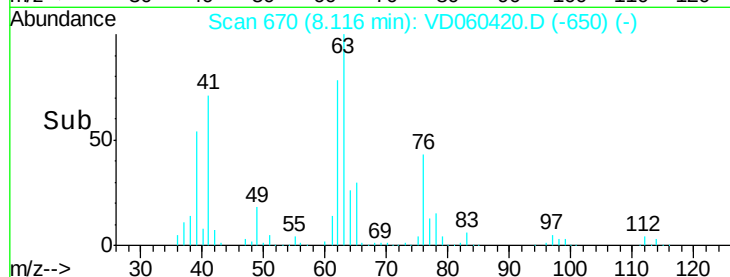
150000

100000

50000

0

Time--> 7.90 8.00 8.10 8.20 8.30



#46

Dibromomethane

Concen: 49.14 ug/l

RT: 8.23 min Scan# 682

Delta R.T. 0.01 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

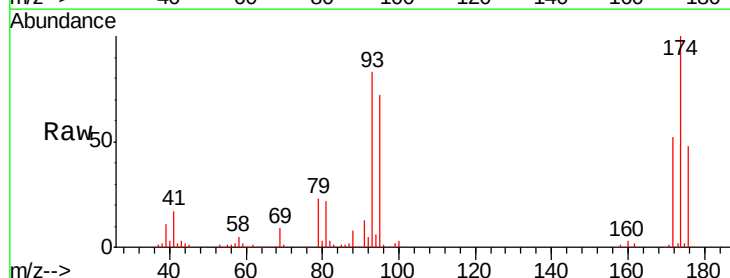
Tgt Ion: 93 Resp: 382767

Ion Ratio Lower Upper

93 100

95 86.0 66.4 99.6

174 119.8 87.8 131.8



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

250000

200000

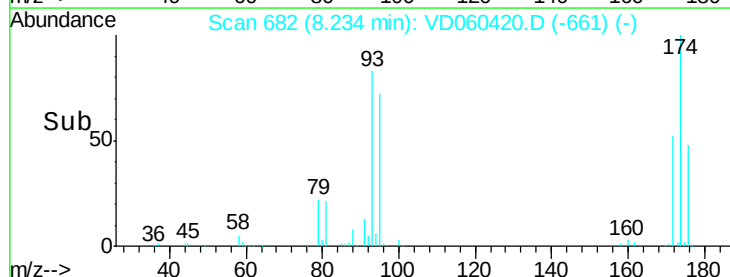
150000

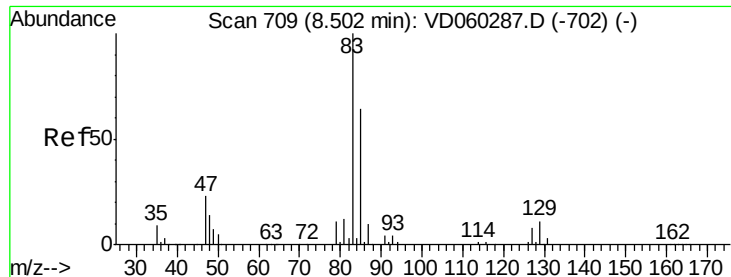
100000

50000

0

Time--> 8.10 8.20 8.30 8.40





#47

Bromodichloromethane

Concen: 53.03 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

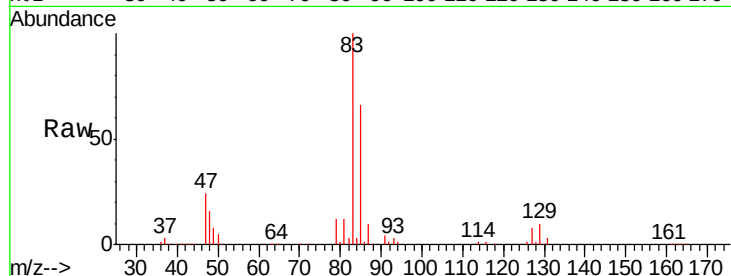
Tgt Ion: 83 Resp: 973208

Ion Ratio Lower Upper

83 100

85 65.9 51.0 76.6

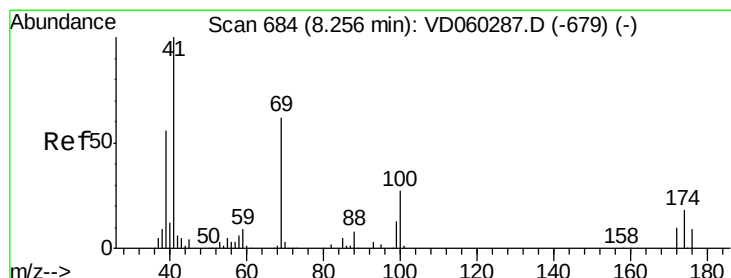
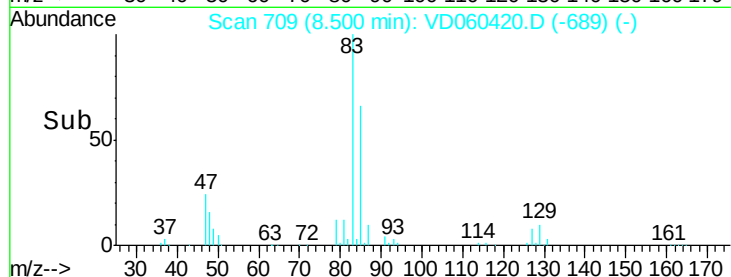
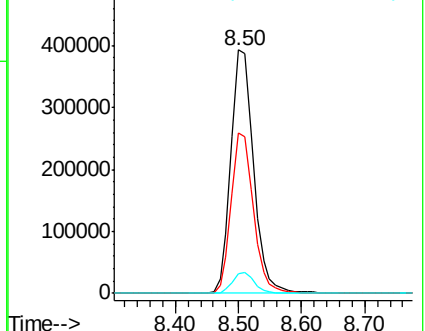
127 7.9 6.2 9.4



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: 49.60 ug/l

RT: 8.26 min Scan# 685

Delta R.T. 0.01 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

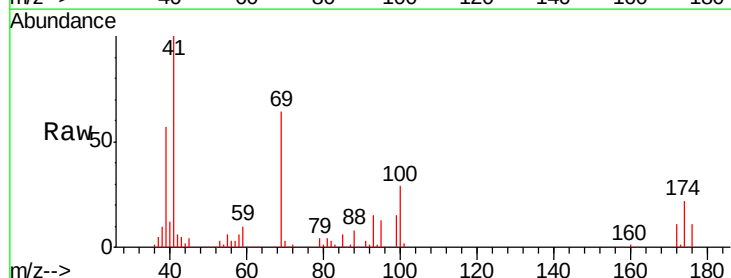
Tgt Ion: 41 Resp: 359713

Ion Ratio Lower Upper

41 100

69 64.4 47.0 70.4

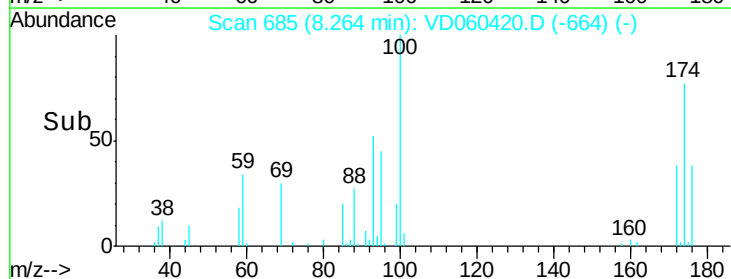
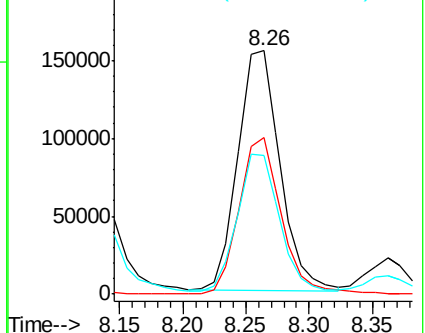
39 57.0 46.2 69.4

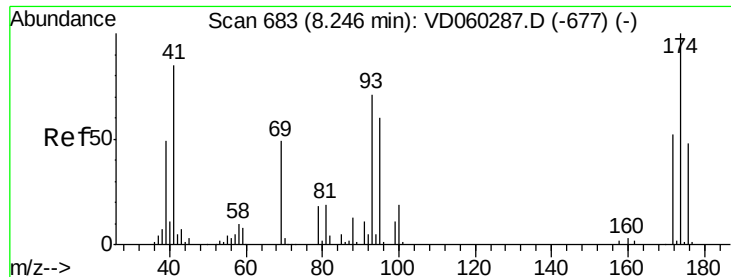


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

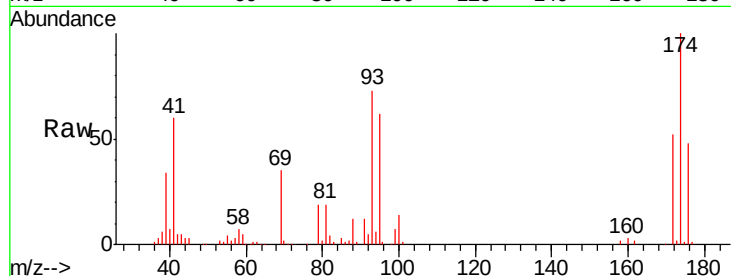




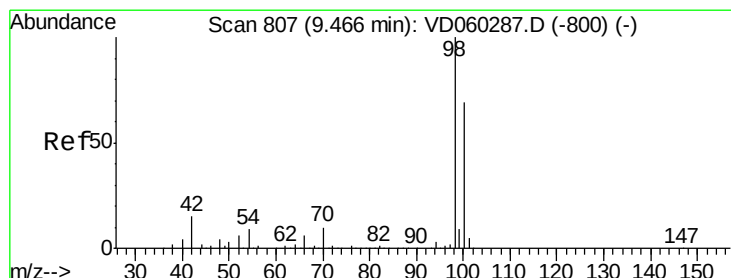
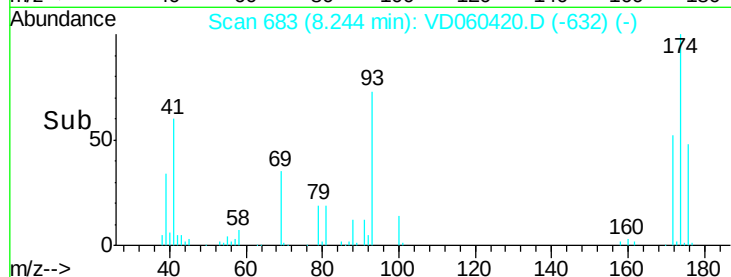
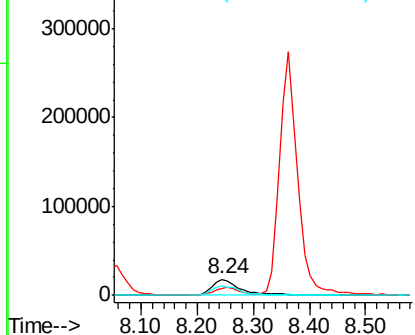
#49
1,4-Dioxane
Concen: 1025.80 ug/l
RT: 8.24 min Scan# 683
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

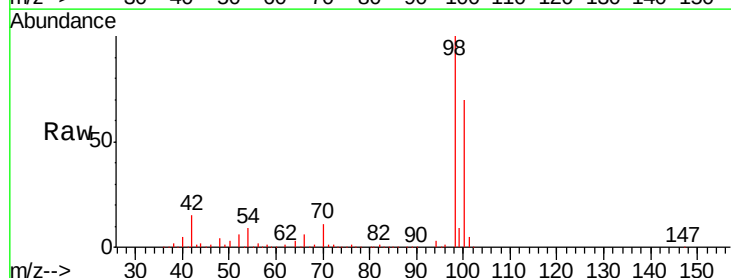


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

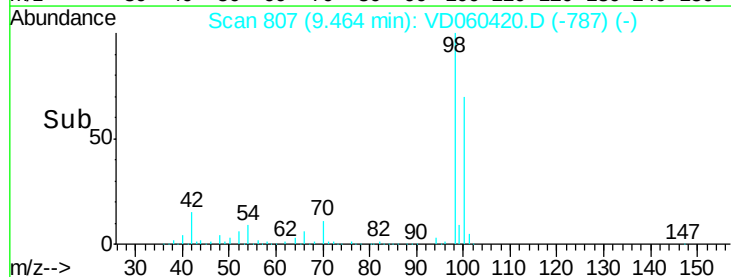
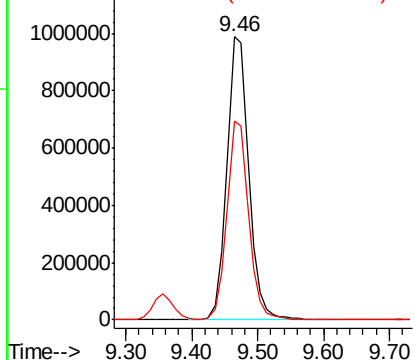


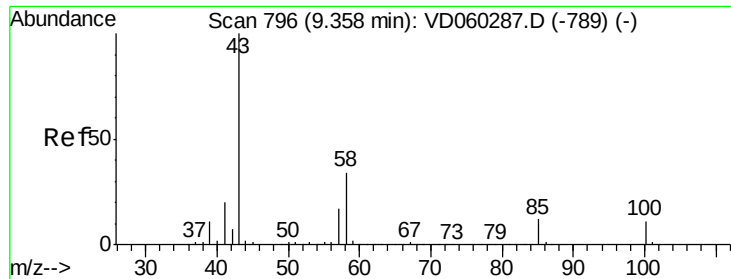
#50
Toluene-d8
Concen: 1025.80 ug/l
RT: 9.46 min Scan# 807
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

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: 251.36 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 :

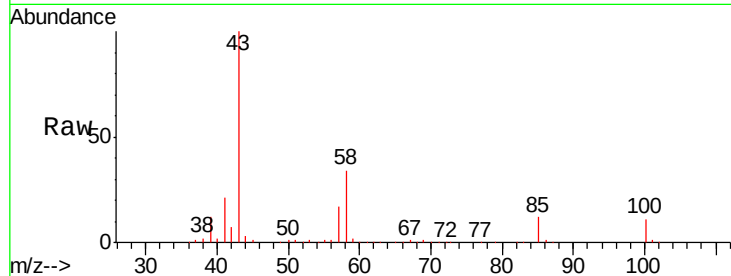
VSTDCCC050

Tgt Ion: 43 Resp: 1953416

Ion Ratio Lower Upper

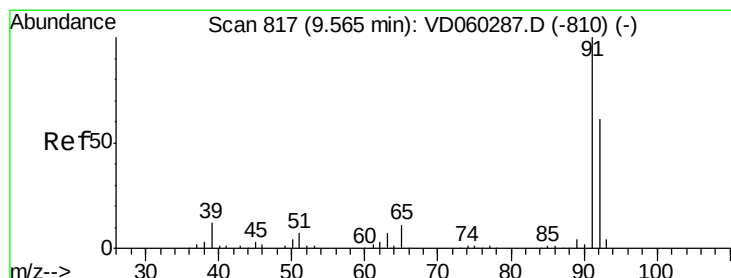
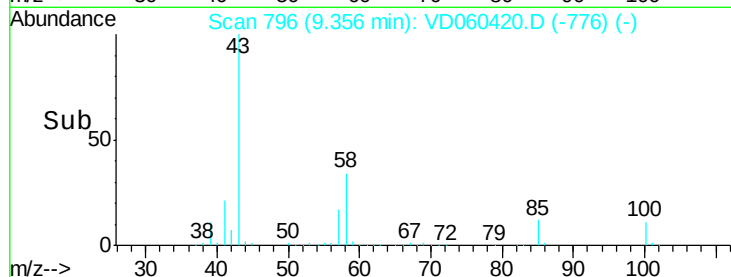
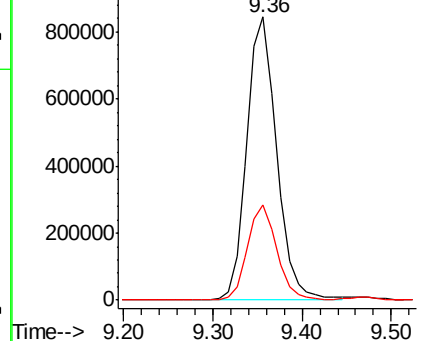
43 100

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: 50.18 ug/l

RT: 9.56 min Scan# 817

Delta R.T. -0.00 min

Lab File: VD060420.D

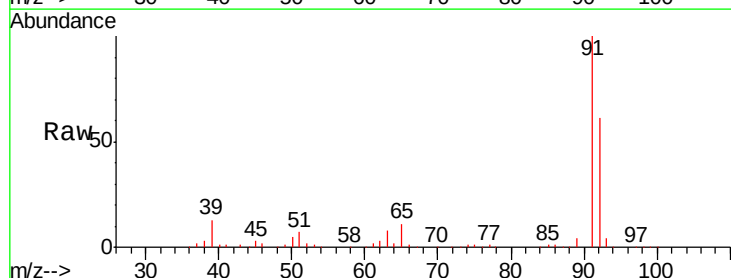
Acq: 20 Nov 2018 10:37

Tgt Ion: 92 Resp: 1690036

Ion Ratio Lower Upper

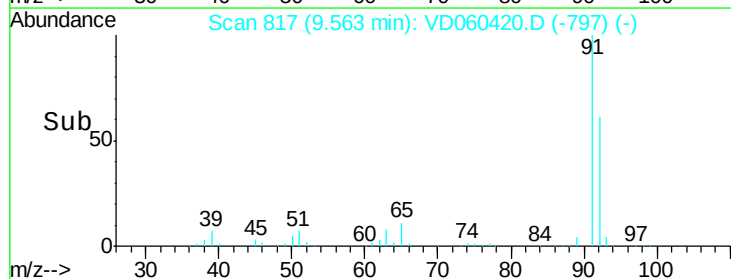
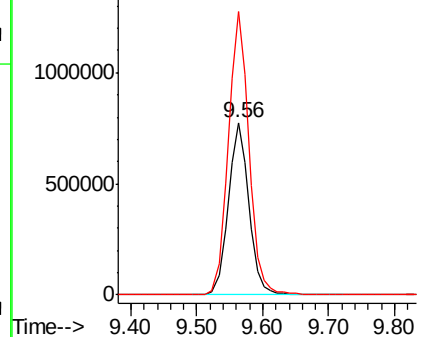
92 100

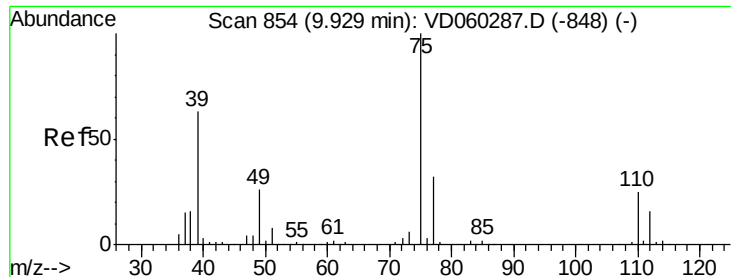
91 164.5 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

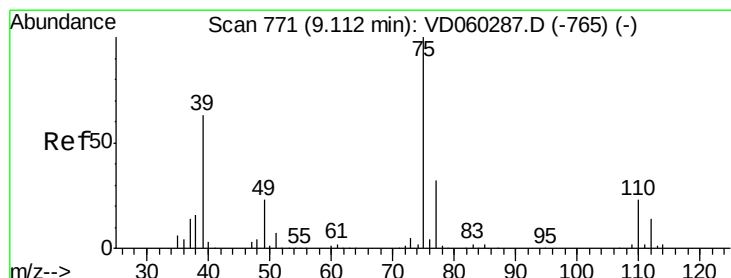
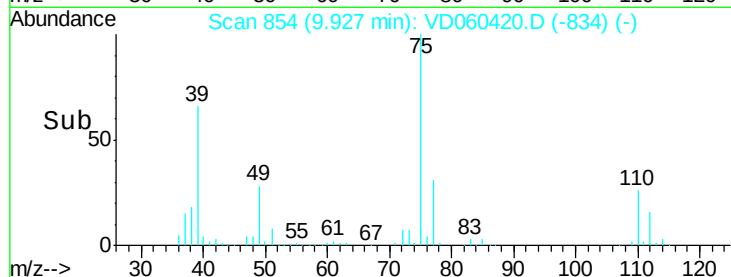
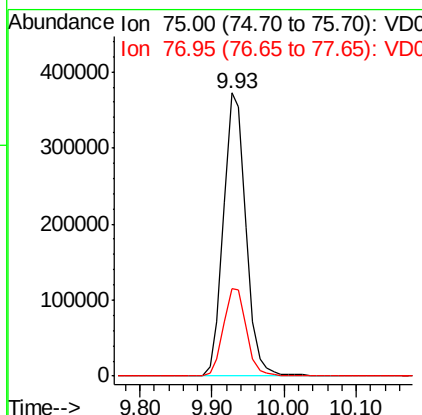
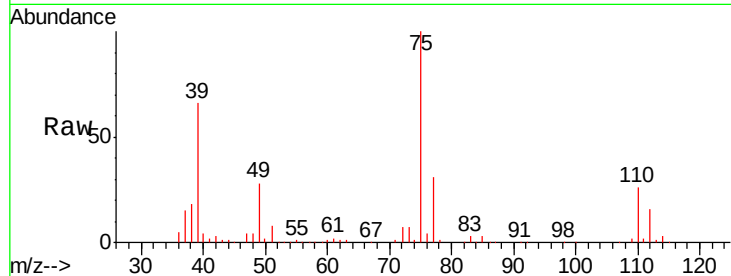




#53
 t-1,3-Dichloropropene
 Concen: 51.69 ug/l
 RT: 9.93 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

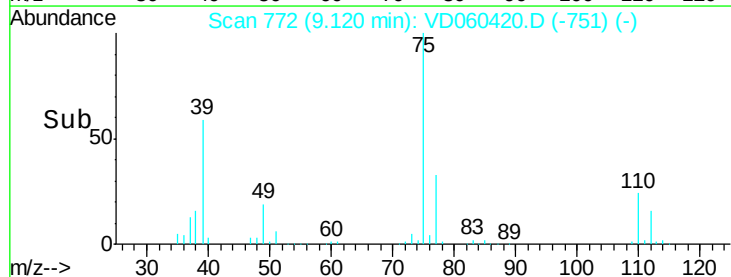
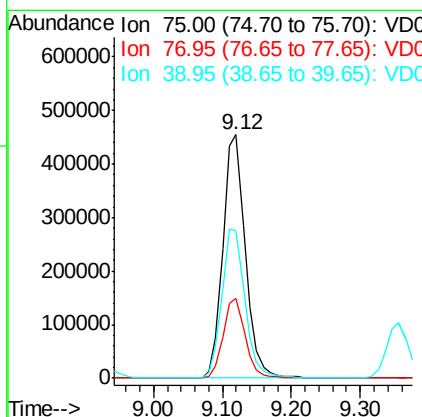
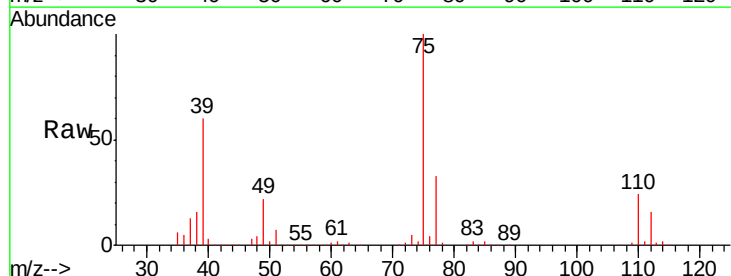
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

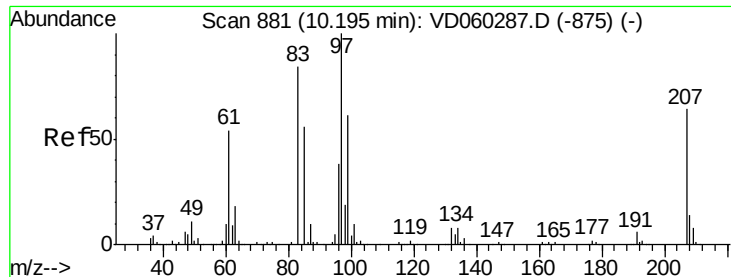
Tgt Ion: 75 Resp: 801532
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 51.87 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: 49.80 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

Tgt Ion: 97 Resp: 486201

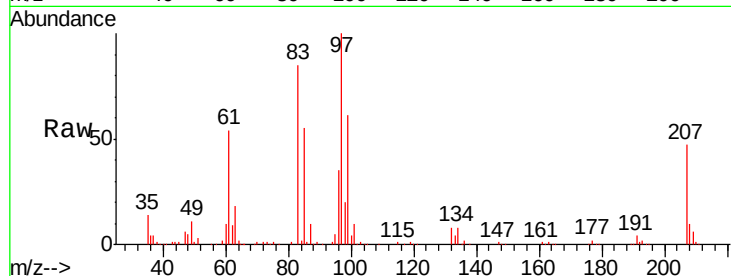
Ion Ratio Lower Upper

97 100

83 85.0 68.4 102.6

85 55.2 46.8 70.2

99 61.2 49.5 74.3

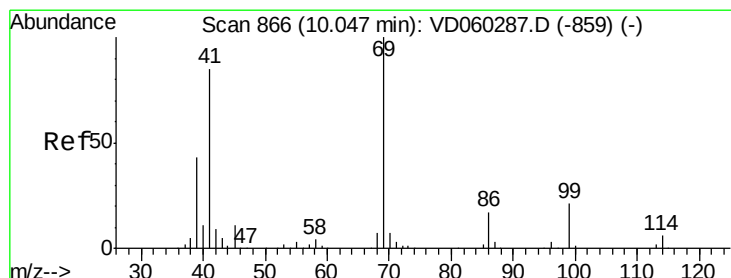
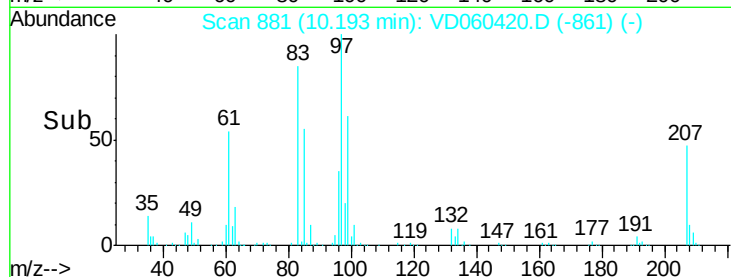
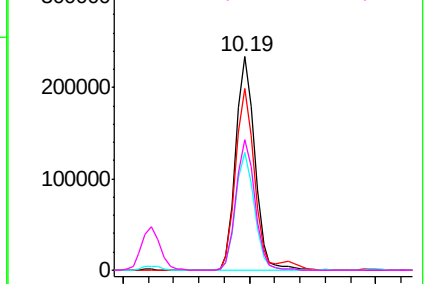


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 53.24 ug/l

RT: 10.04 min Scan# 866

Delta R.T. -0.00 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

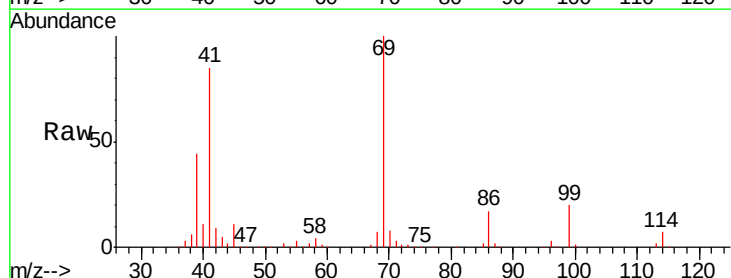
Tgt Ion: 69 Resp: 477851

Ion Ratio Lower Upper

69 100

41 85.2 69.0 103.4

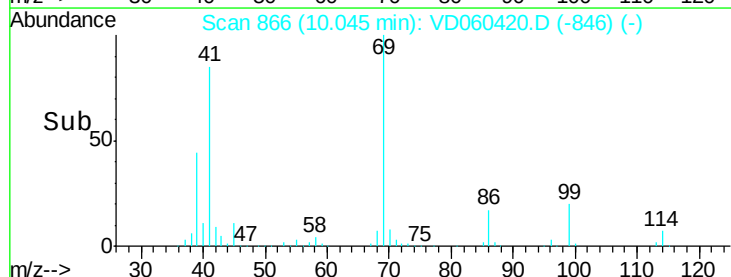
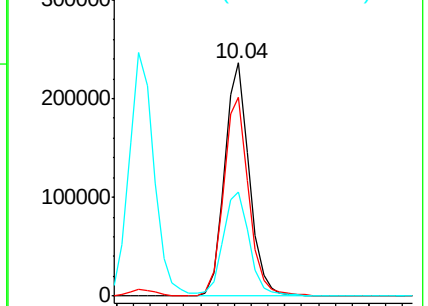
39 44.4 36.6 54.8

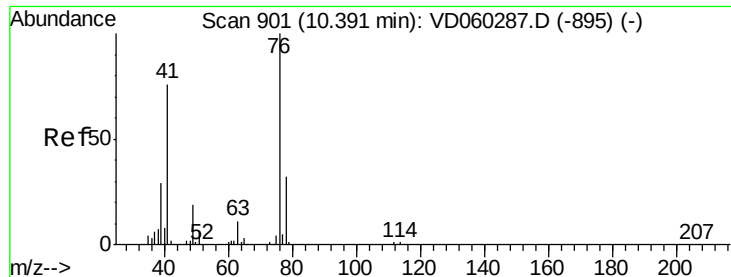


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

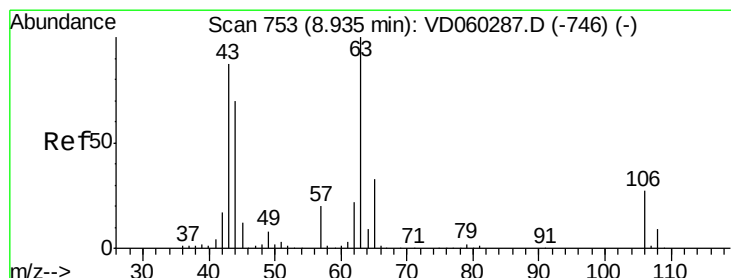
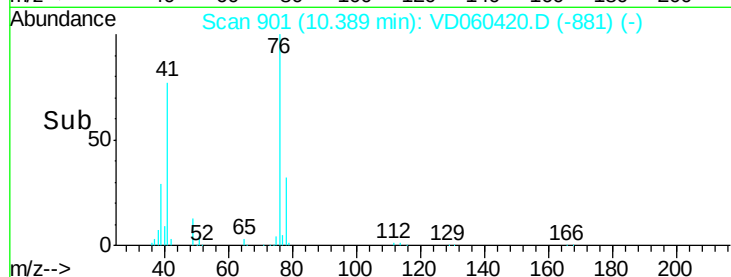
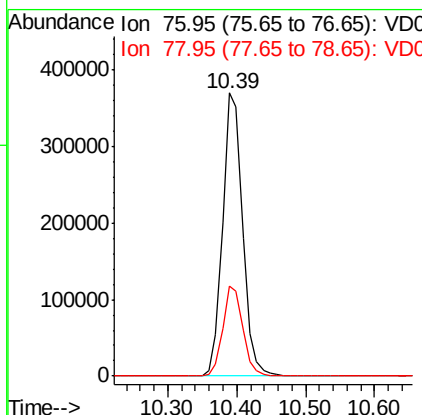
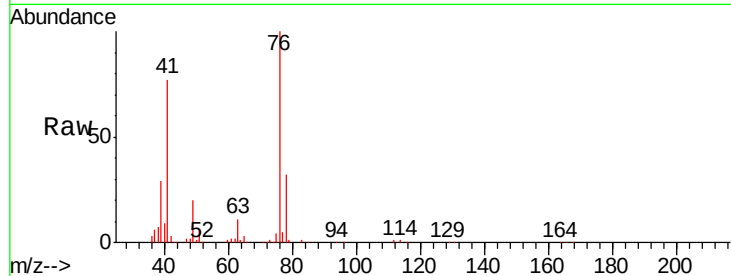




#57
 1,3-Dichloropropane
 Concen: 50.00 ug/l
 RT: 10.39 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

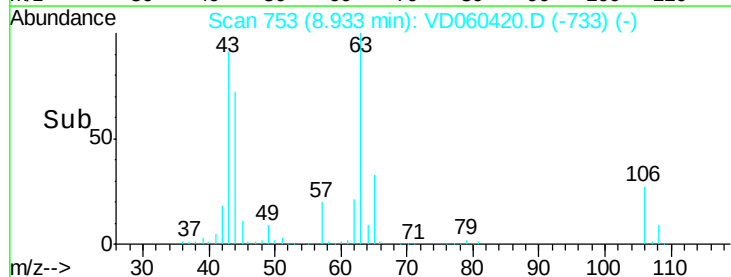
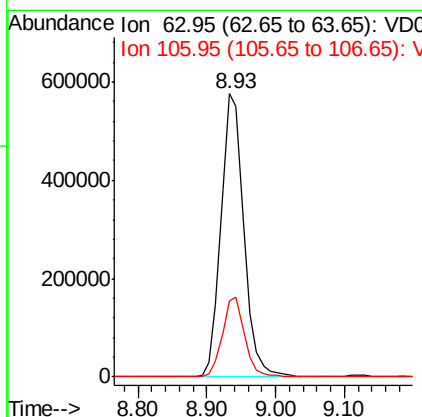
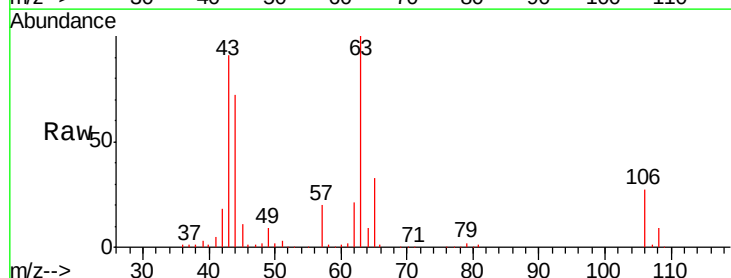
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

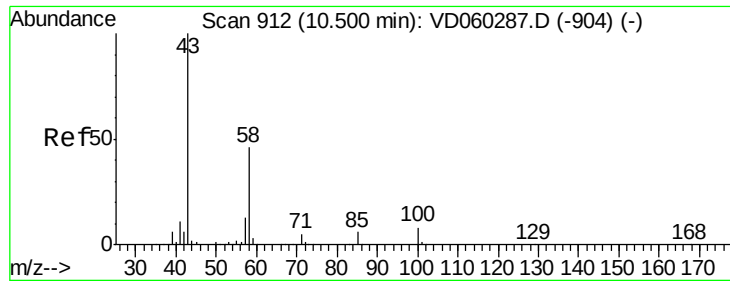
Tgt Ion: 76 Resp: 743808
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 244.15 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





#59

2-Hexanone

Concen: 260.78 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 :

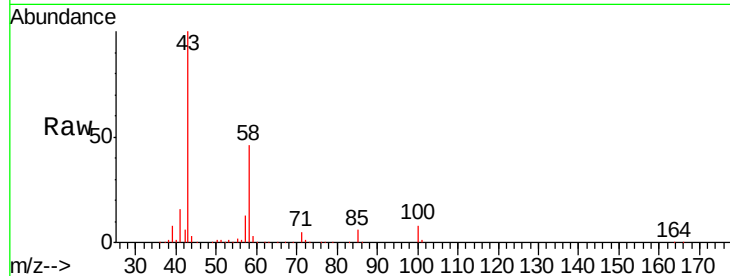
VSTDCCC050

Tgt Ion: 43 Resp: 1444426

Ion Ratio Lower Upper

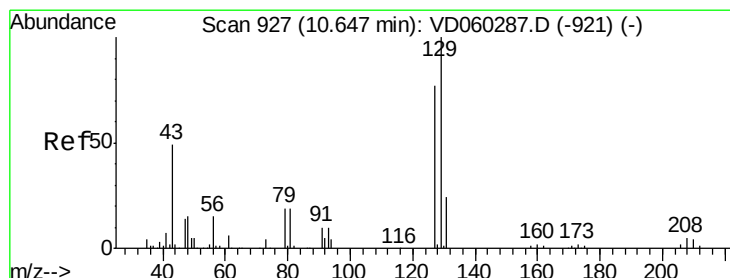
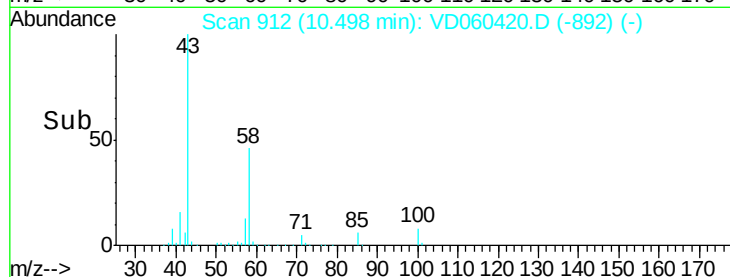
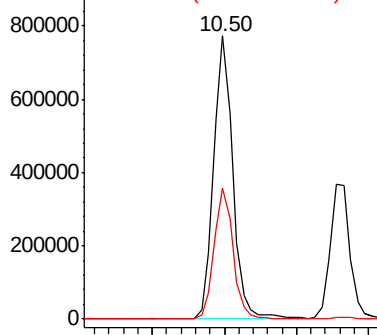
43 100

58 46.2 22.9 68.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 52.79 ug/l

RT: 10.65 min Scan# 927

Delta R.T. -0.00 min

Lab File: VD060420.D

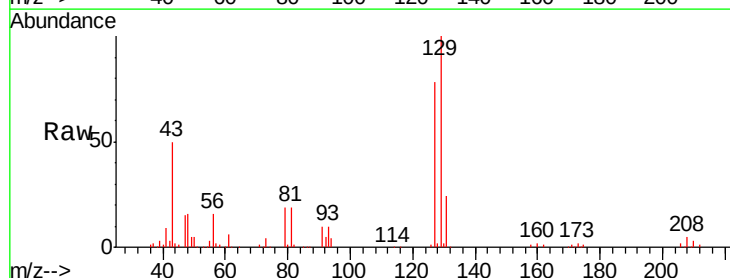
Acq: 20 Nov 2018 10:37

Tgt Ion: 129 Resp: 626485

Ion Ratio Lower Upper

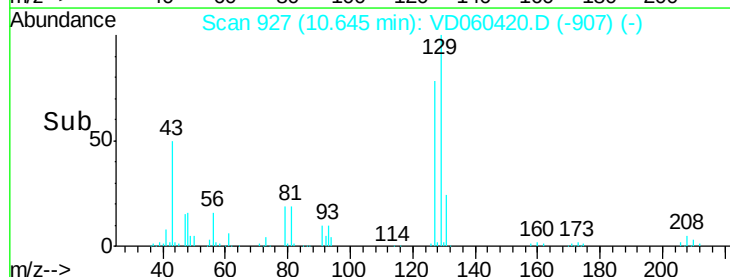
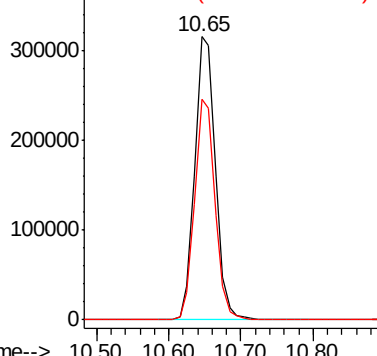
129 100

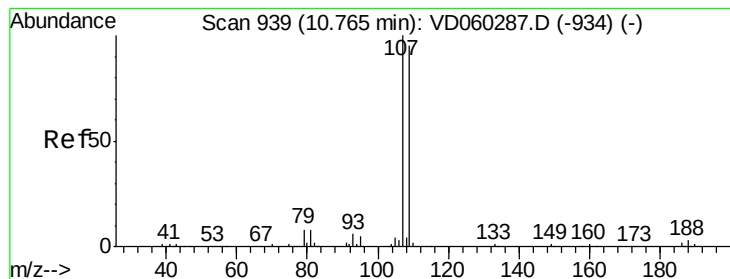
127 77.8 38.9 116.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 52.03 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 :

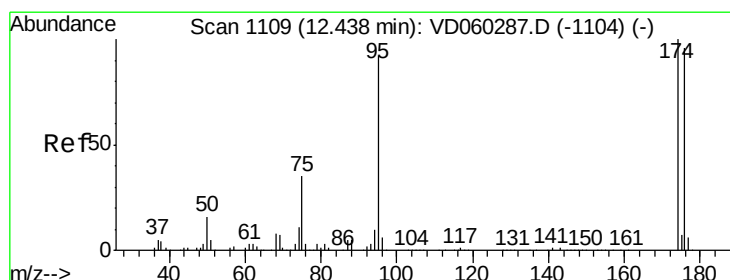
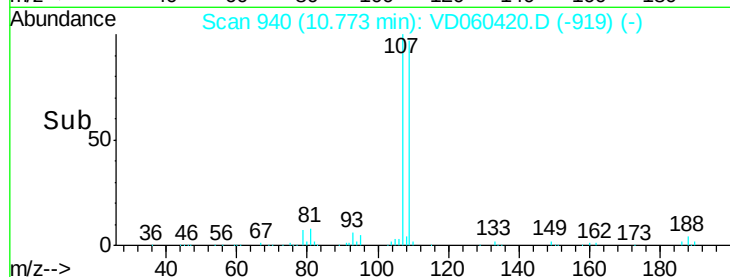
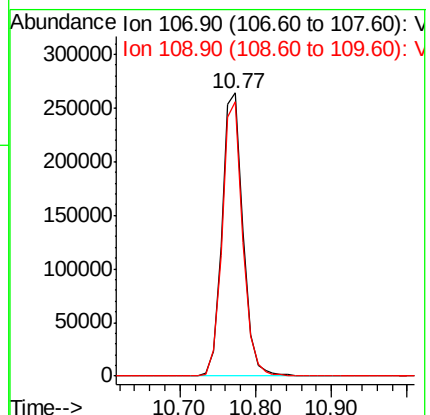
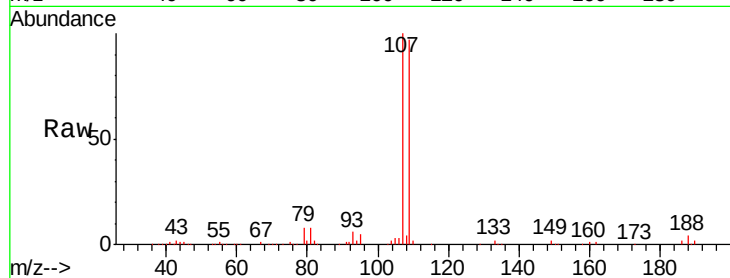
VSTDCCC050

Tgt Ion: 107 Resp: 508922

Ion Ratio Lower Upper

107 100

109 97.0 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 52.03 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VD060420.D

Acq: 20 Nov 2018 10:37

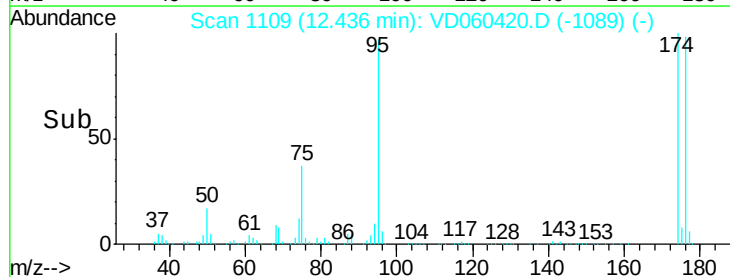
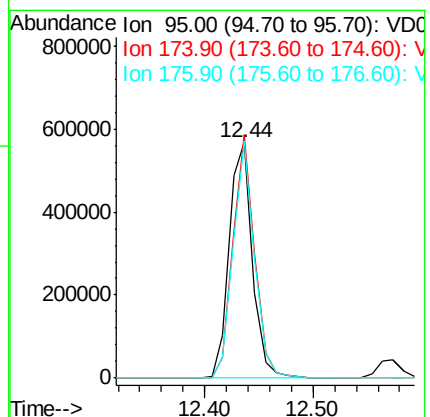
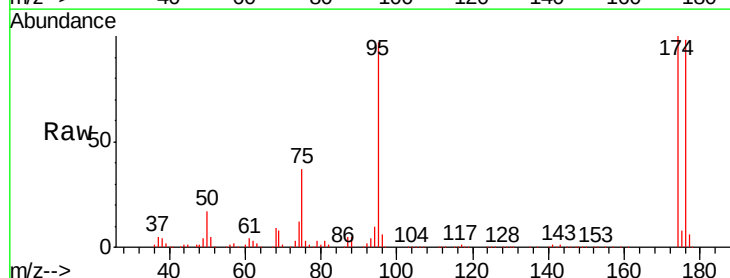
Tgt Ion: 95 Resp: 847291

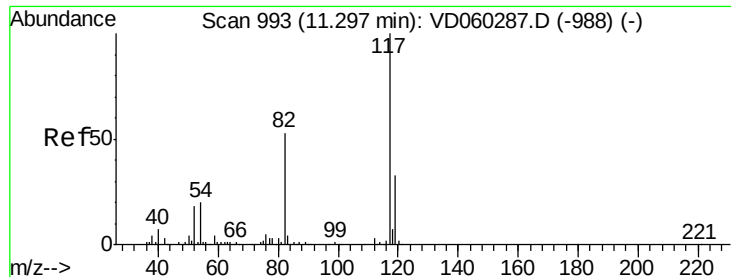
Ion Ratio Lower Upper

95 100

174 103.4 0.0 160.8

176 100.9 0.0 154.6

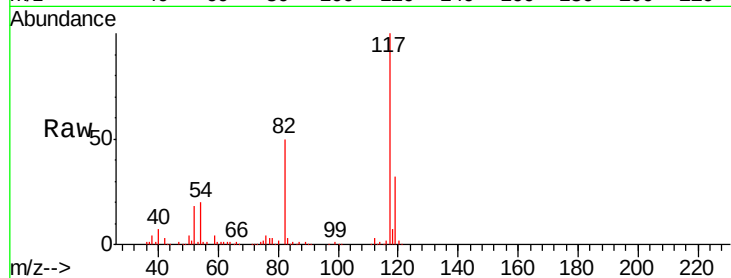




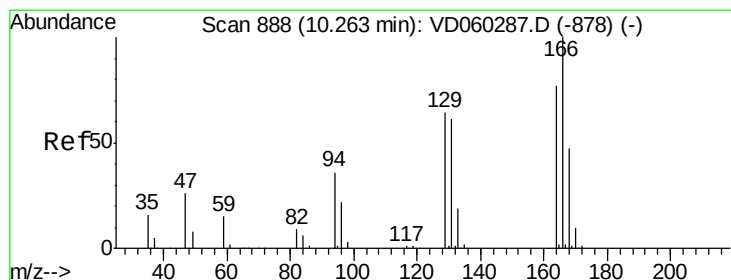
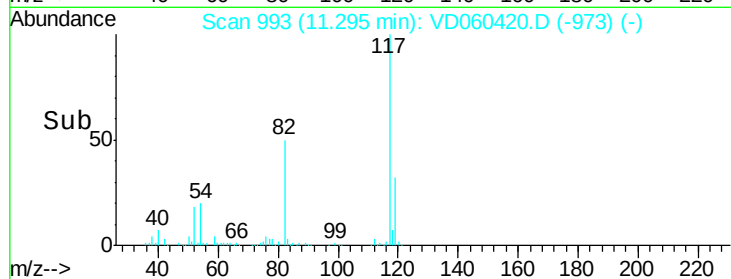
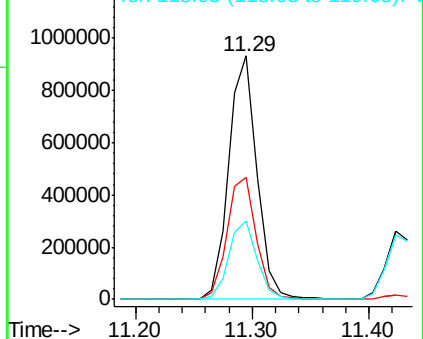
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

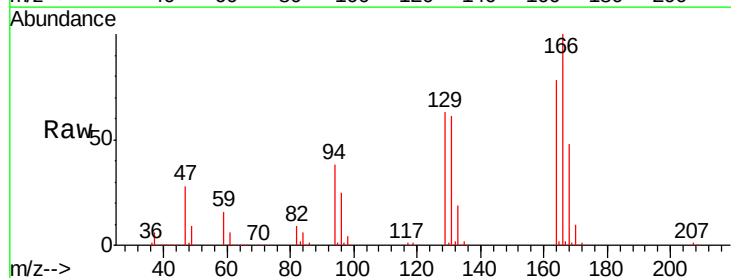


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

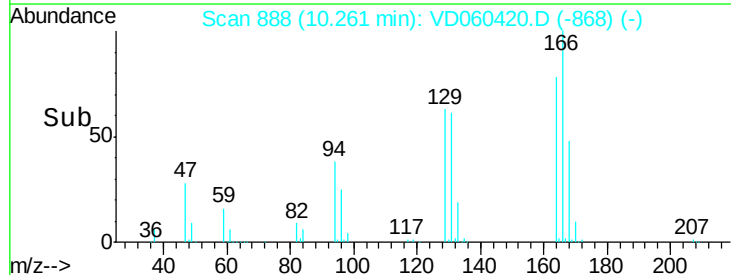
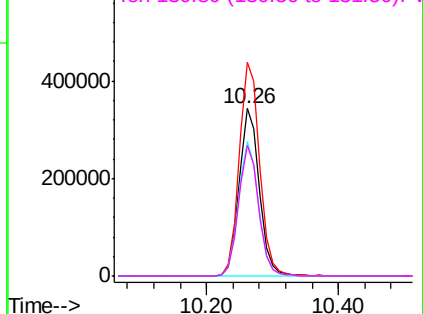


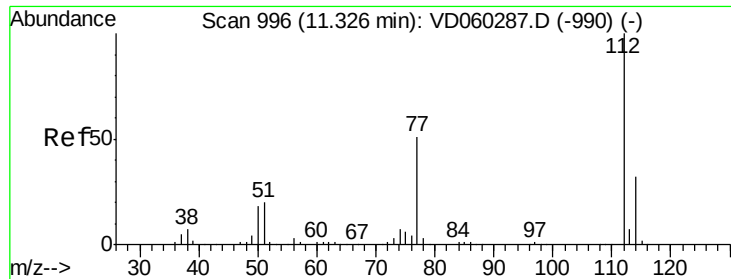
#64
Tetrachloroethene
Concen: 52.86 ug/l
RT: 10.26 min Scan# 888
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

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

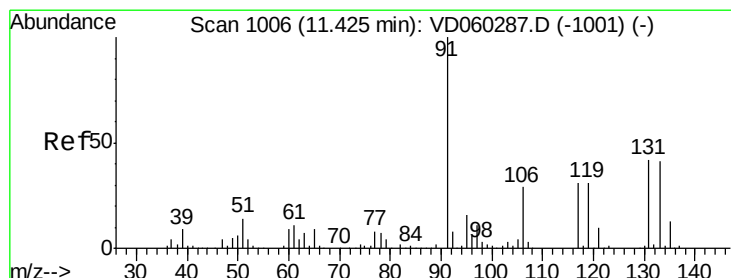
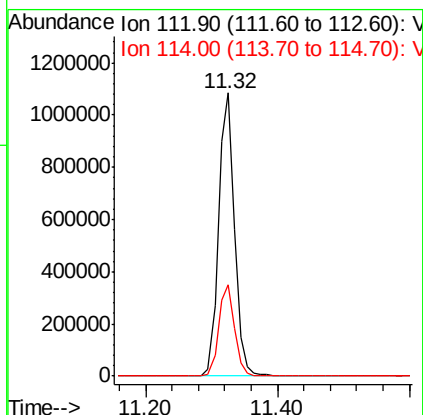
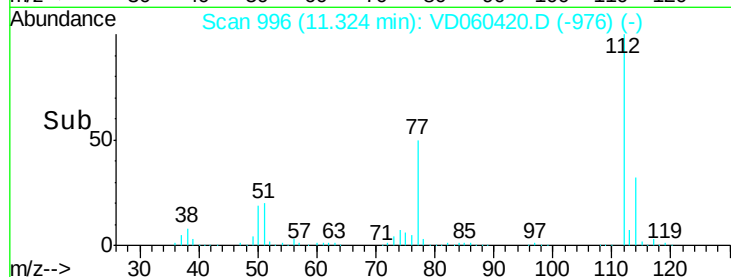
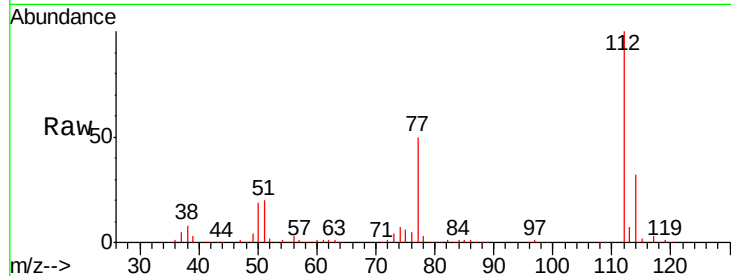




#65
Chlorobenzene
Concen: 53.51 ug/l
RT: 11.32 min Scan# 996
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

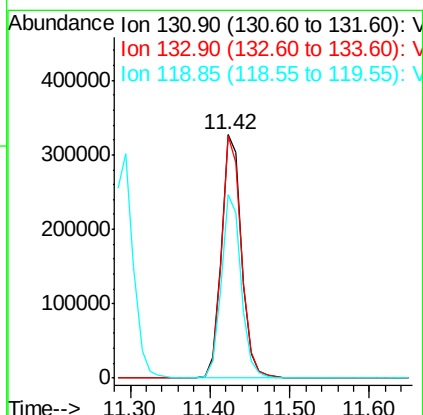
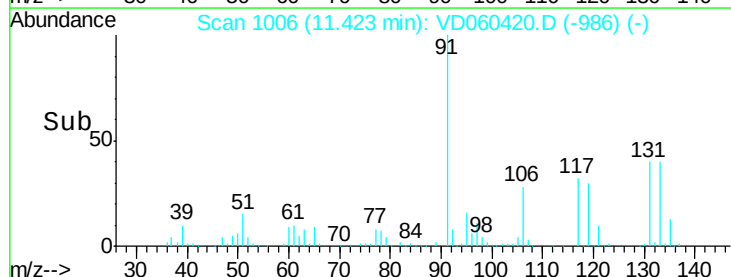
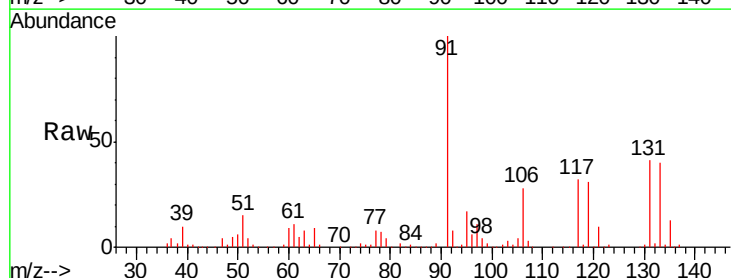
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

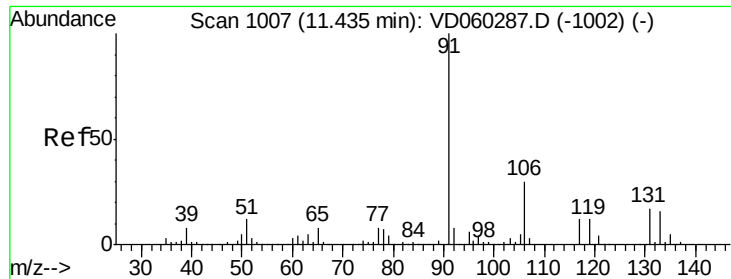
Tgt Ion:112 Resp: 1812240
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 52.82 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

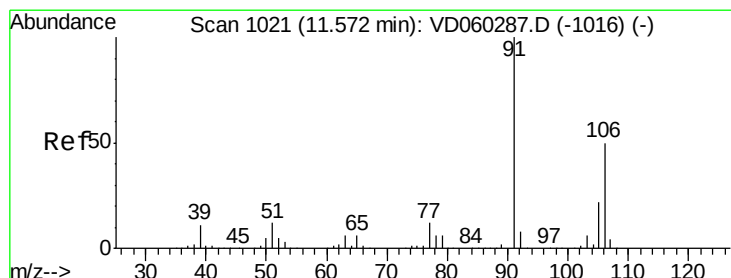
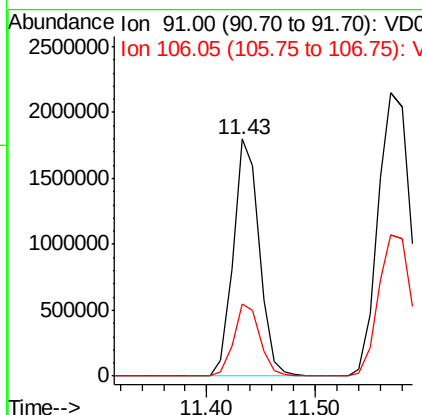
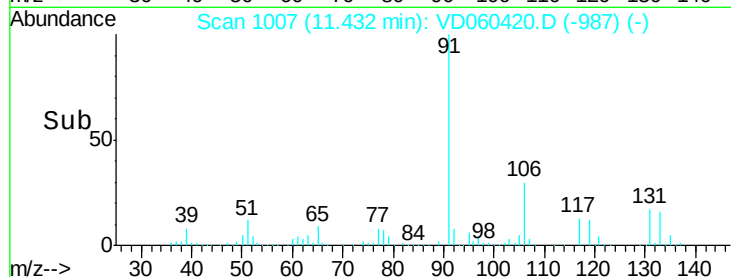
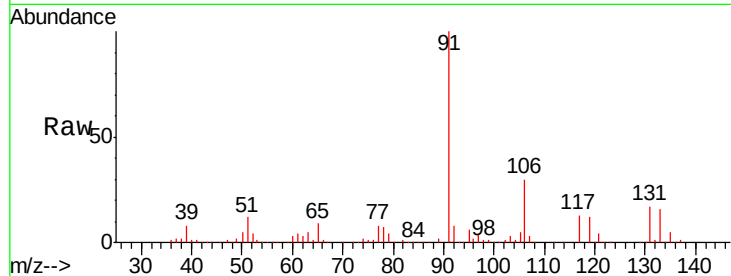




#67
Ethyl Benzene
Concen: 51.81 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

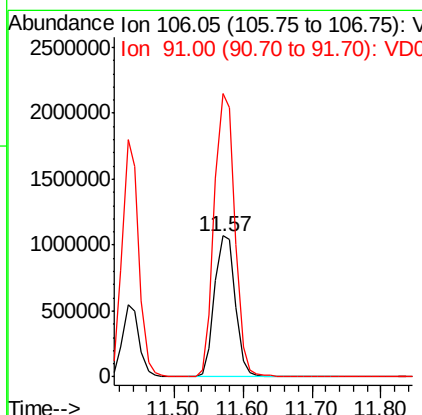
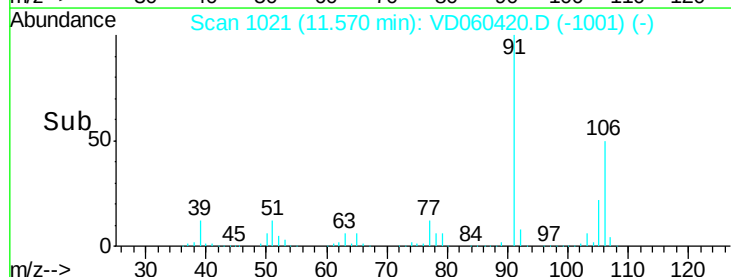
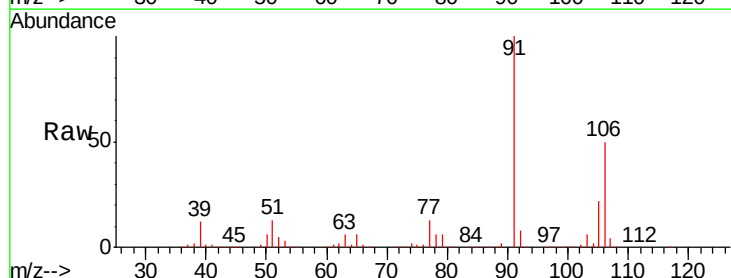
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

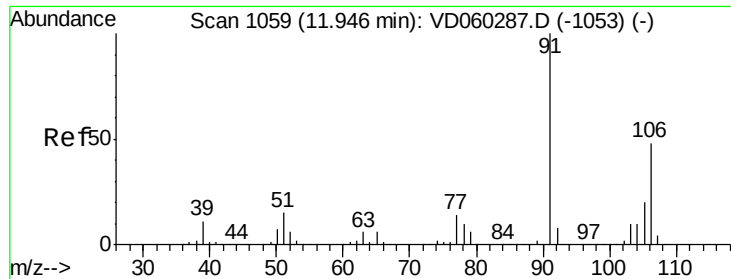
Tgt Ion: 91 Resp: 3001532
Ion Ratio Lower Upper
91 100
106 30.4 24.6 36.8



#68
m/p-Xylenes
Concen: 105.00 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

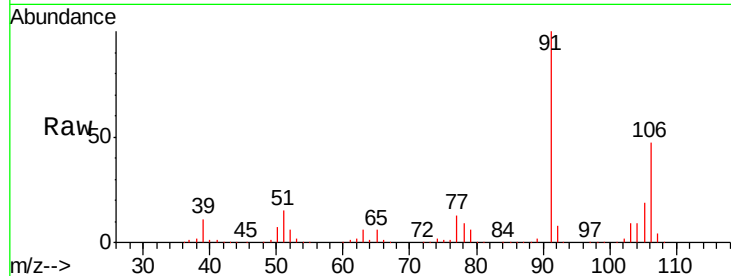




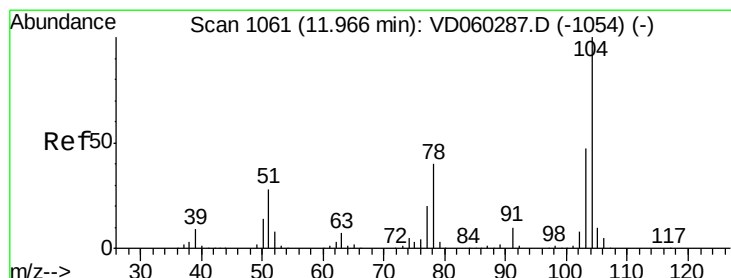
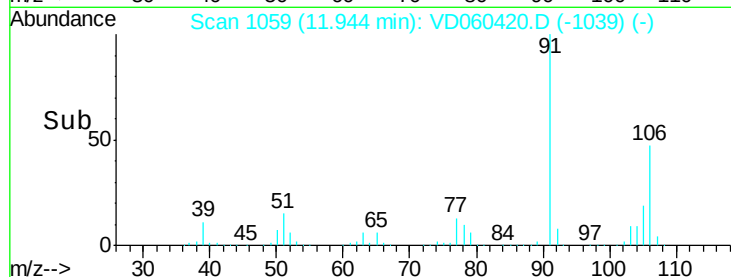
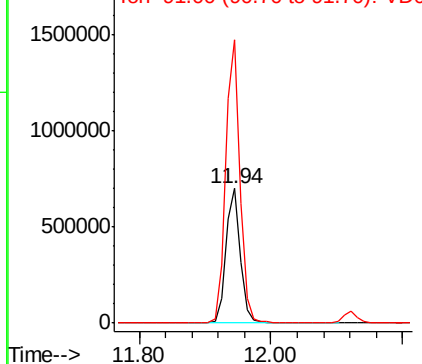
#69
o-Xylene
Concen: 51.32 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

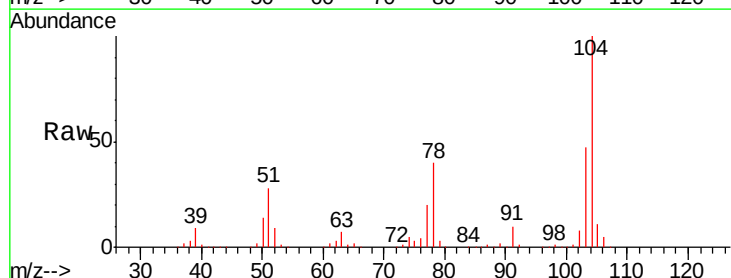


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

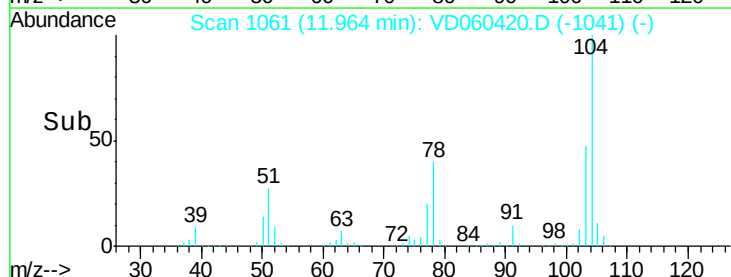
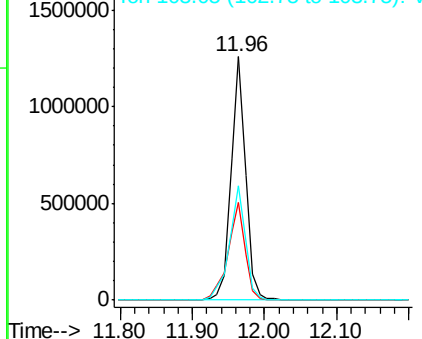


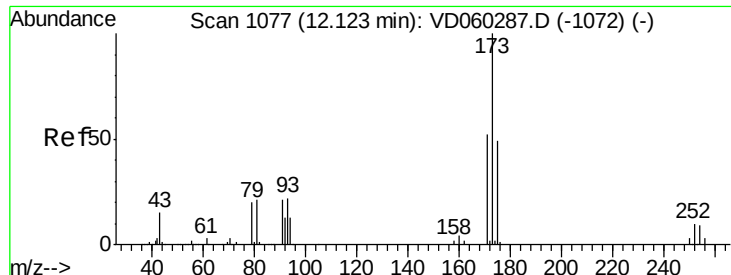
#70
Styrene
Concen: 52.89 ug/l
RT: 11.96 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

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): V
Ion 103.05 (102.75 to 103.75): V

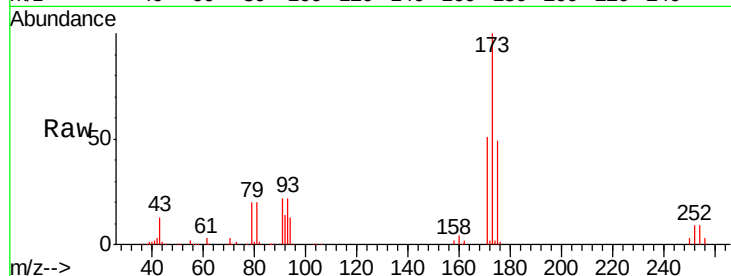




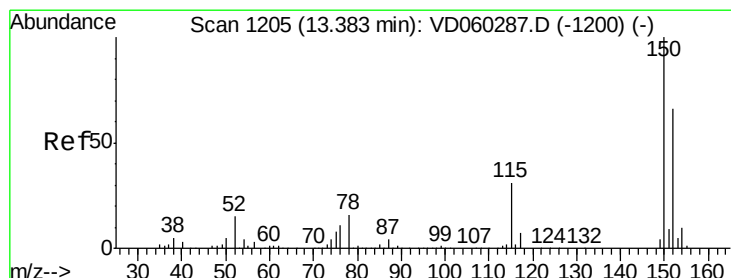
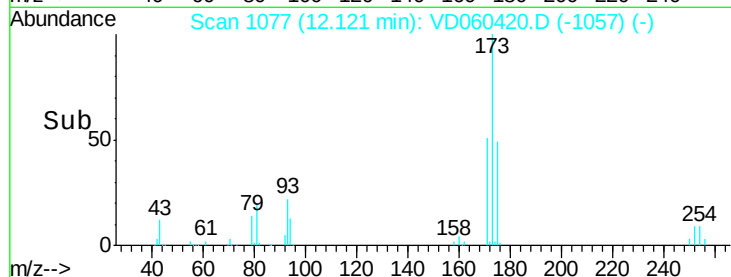
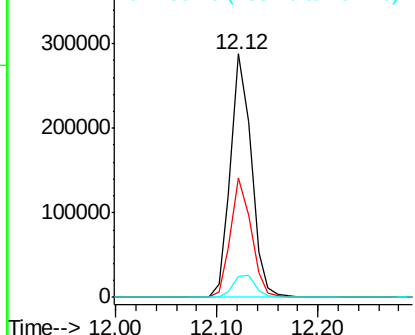
#71
Bromoform
Concen: 55.95 ug/l
RT: 12.12 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

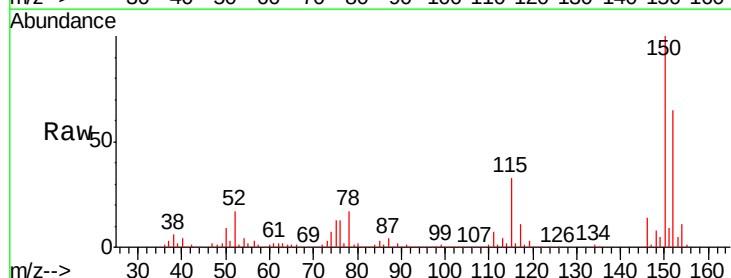


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

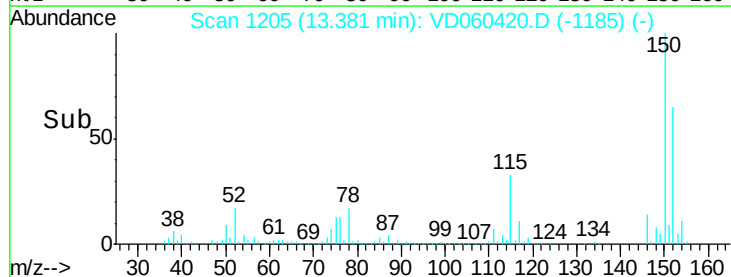
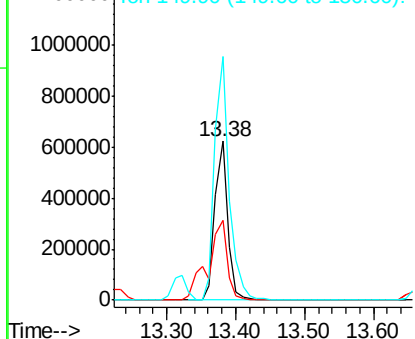


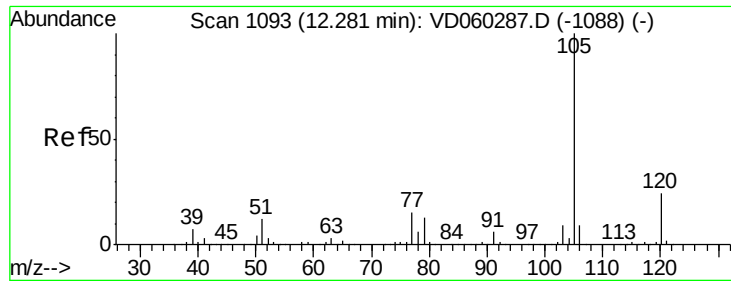
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

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: 50.44 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 :

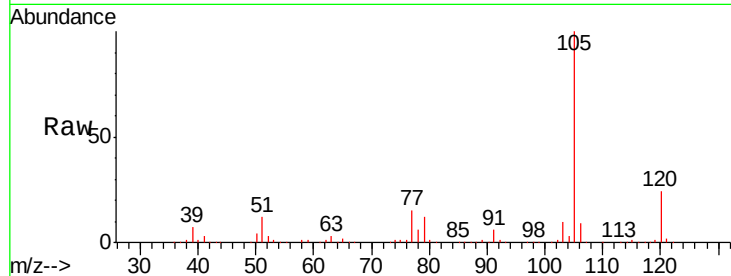
VSTDCCC050

Tgt 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

2000000

1500000

1000000

500000

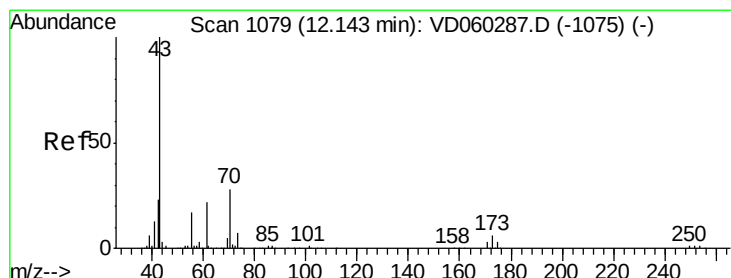
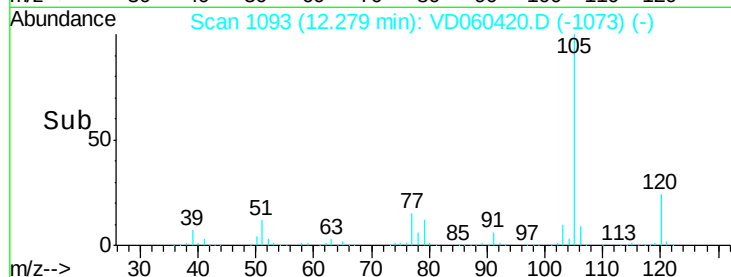
0

12.28

12.30

12.40

Time-->



#74

N-ethyl acetate

Concen: 52.79 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

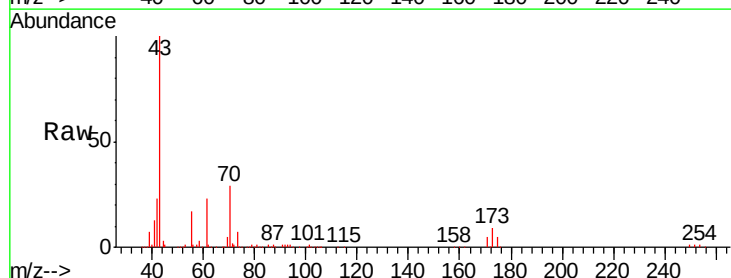
Ion Ratio Lower Upper

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

800000

600000

400000

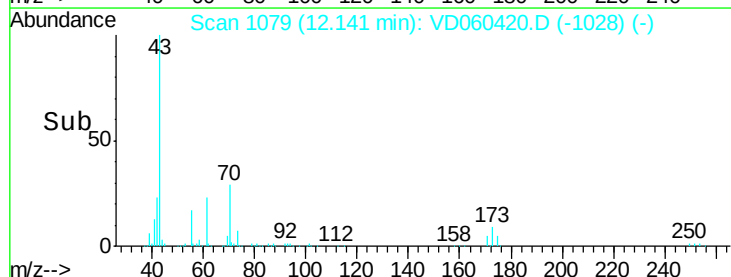
200000

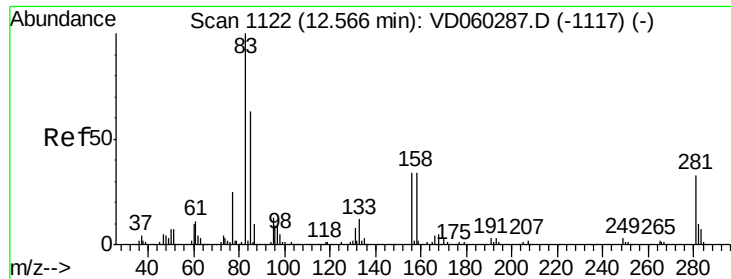
0

12.14

12.20

Time-->

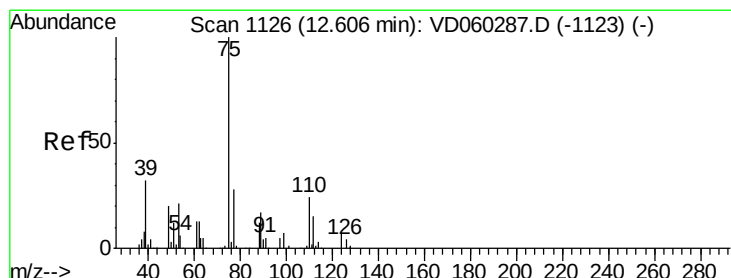
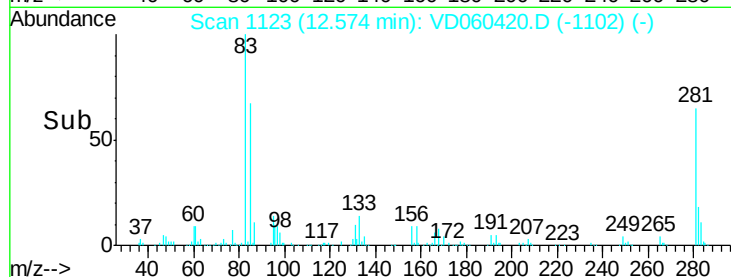
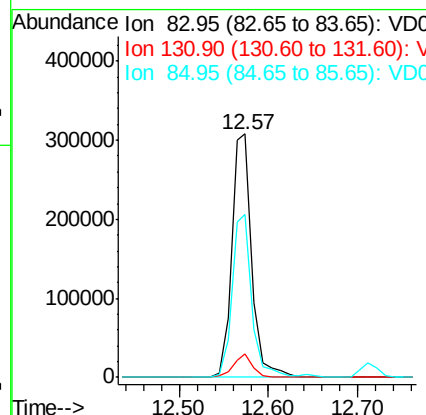
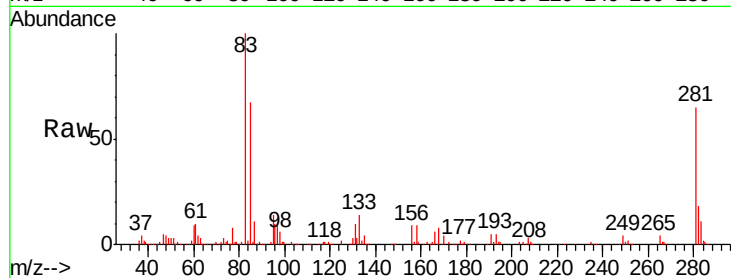




#75
 1,1,2,2-Tetrachloroethane
 Concen: 50.87 ug/l
 RT: 12.57 min Scan# 1123
 Delta R.T. 0.01 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

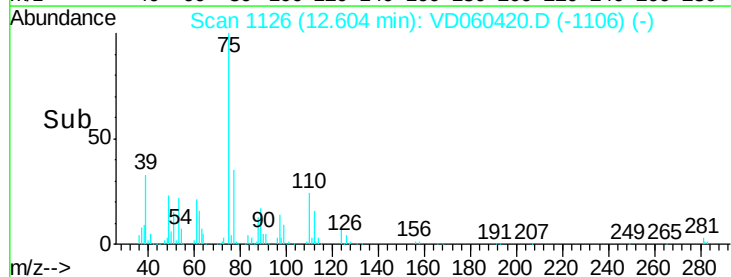
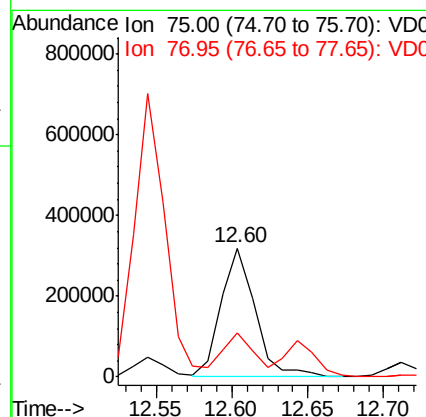
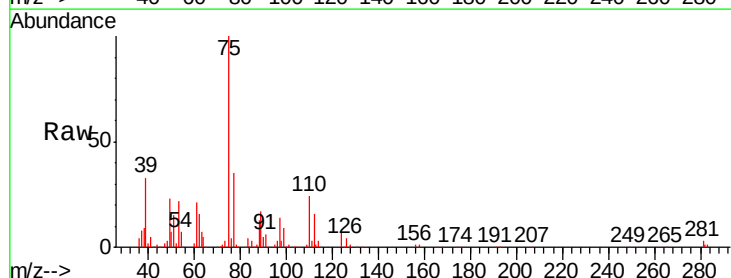
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

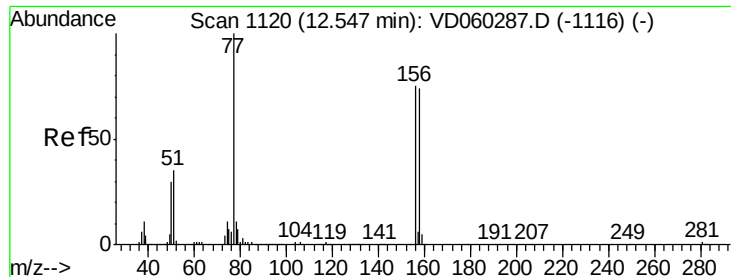
Tgt Ion: 83 Resp: 490498
 Ion Ratio Lower Upper
 83 100
 131 9.8 3.9 11.5
 85 67.1 32.0 96.0



#76
 1,2,3-Trichloropropane
 Concen: 51.65 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





#77

Bromobenzene

Concen: 51.18 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

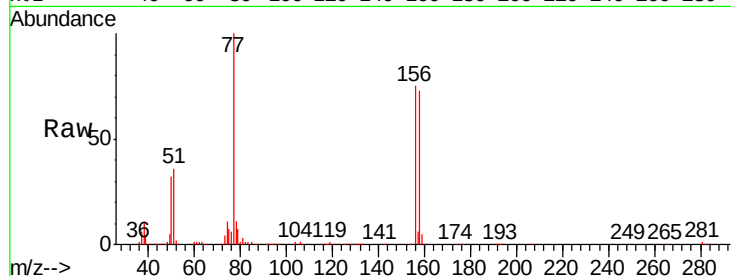
Tgt Ion: 156 Resp: 801631

Ion Ratio Lower Upper

156 100

77 133.8 61.2 183.6

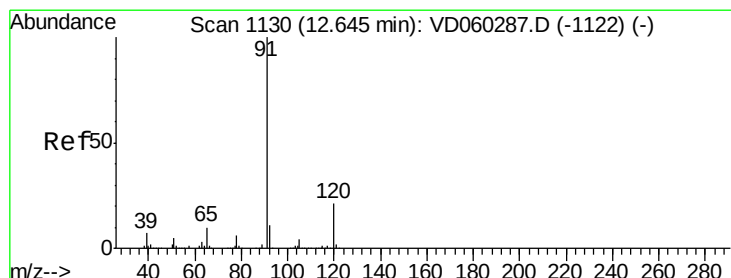
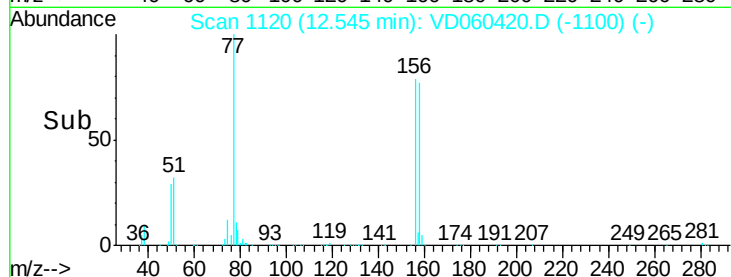
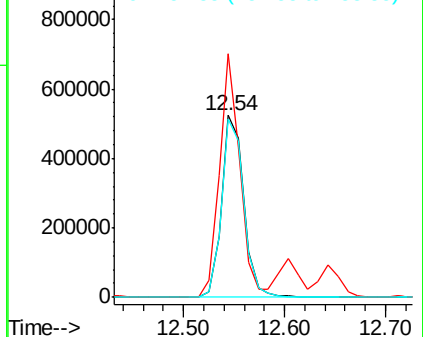
158 97.9 49.2 147.6



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: 50.03 ug/l

RT: 12.64 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VD060420.D

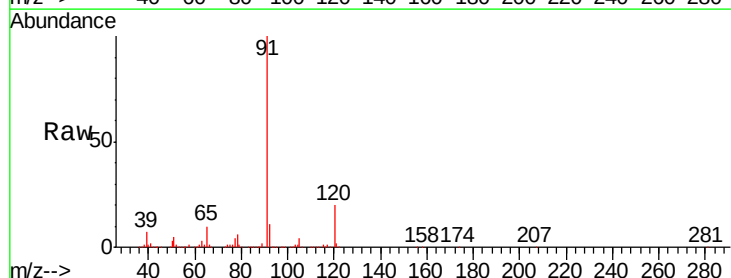
Acq: 20 Nov 2018 10:37

Tgt Ion: 91 Resp: 3681953

Ion Ratio Lower Upper

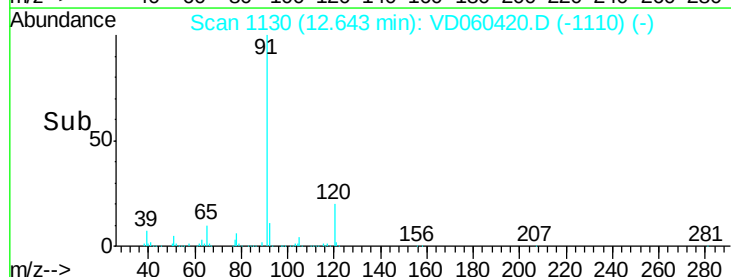
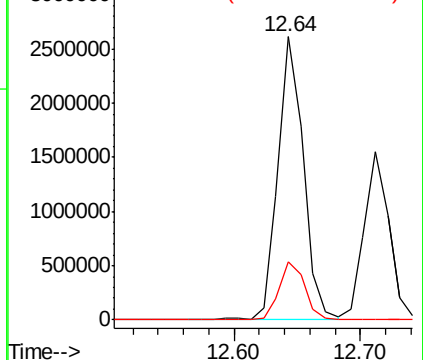
91 100

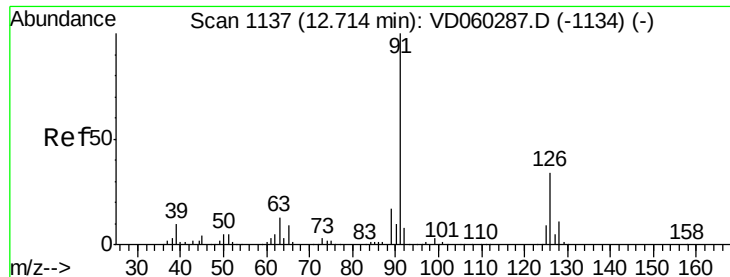
120 20.5 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 53.44 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 :

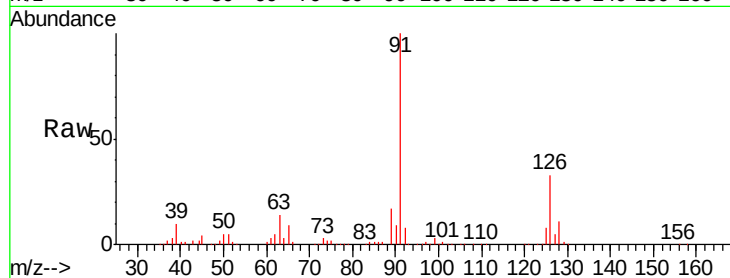
VSTDCCC050

Tgt Ion: 91 Resp: 2154031

Ion Ratio Lower Upper

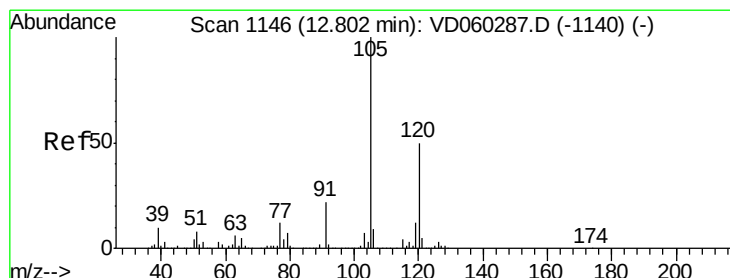
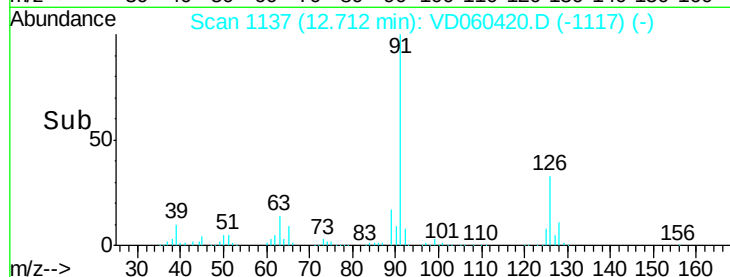
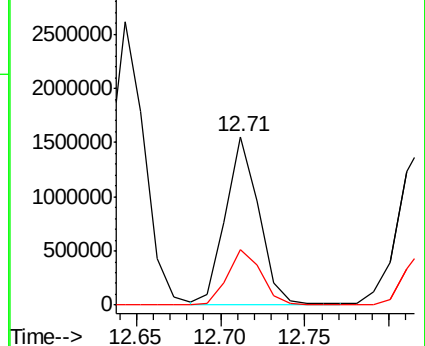
91 100

126 32.7 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 52.15 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VD060420.D

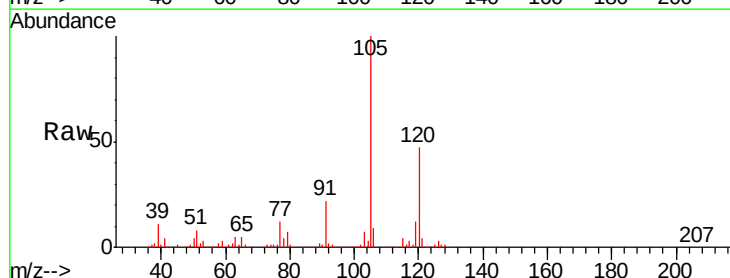
Acq: 20 Nov 2018 10:37

Tgt Ion: 105 Resp: 2389822

Ion Ratio Lower Upper

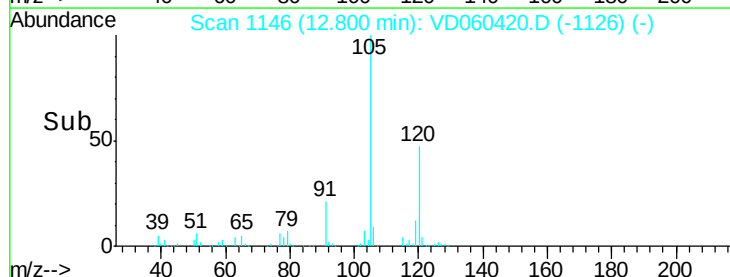
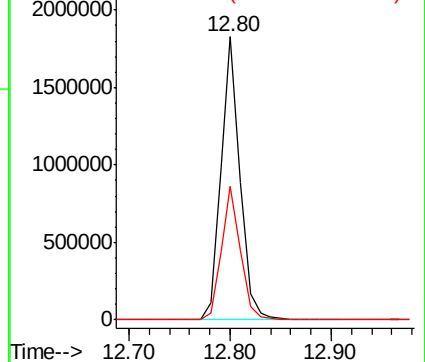
105 100

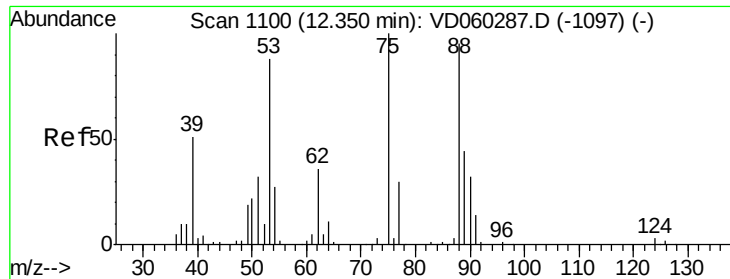
120 47.4 24.4 73.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 54.62 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

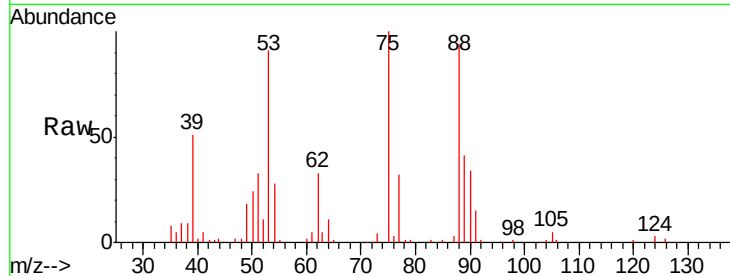
Tgt Ion: 75 Resp: 150527

Ion Ratio Lower Upper

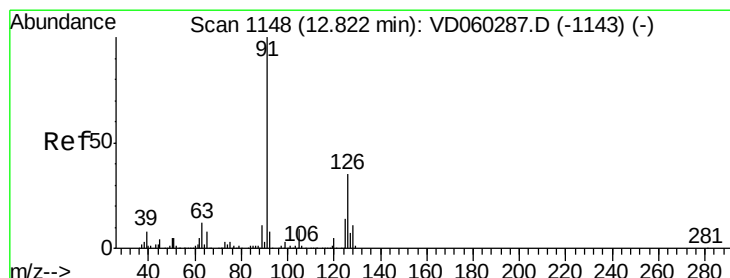
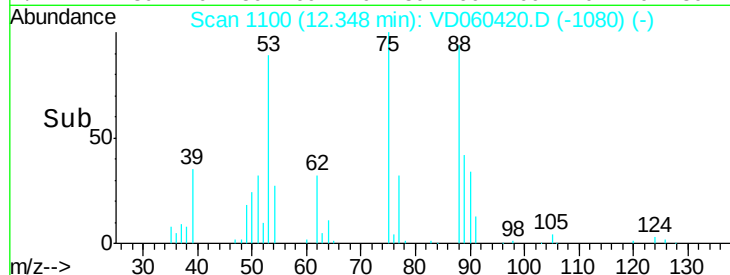
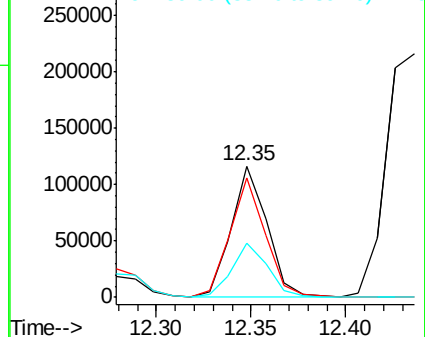
75 100

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: 51.70 ug/l

RT: 12.82 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VD060420.D

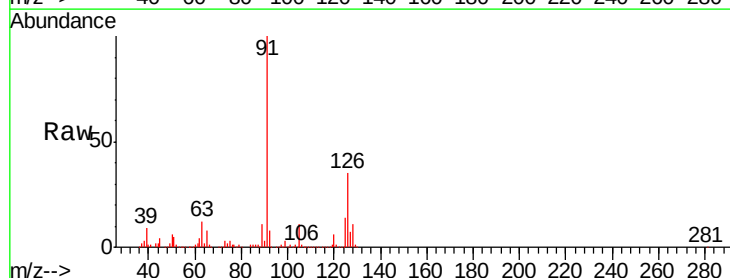
Acq: 20 Nov 2018 10:37

Tgt Ion: 91 Resp: 2340767

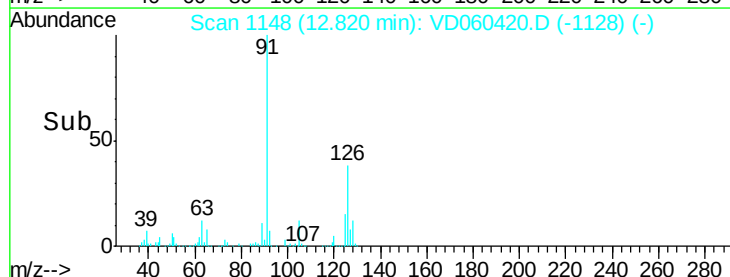
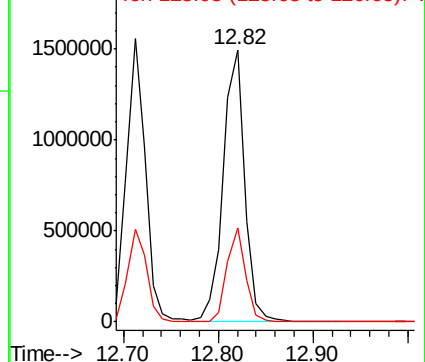
Ion Ratio Lower Upper

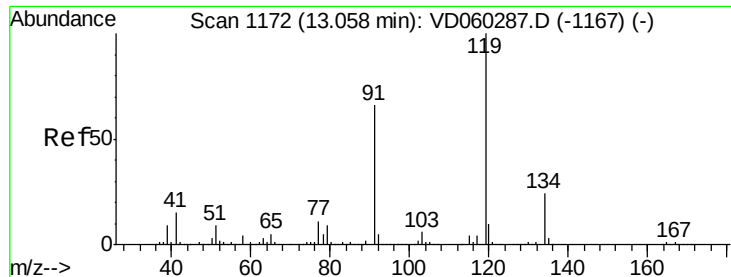
91 100

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

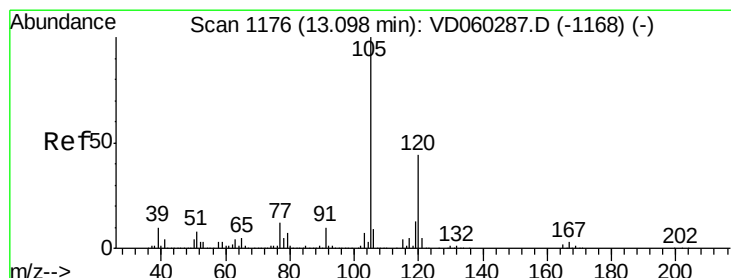
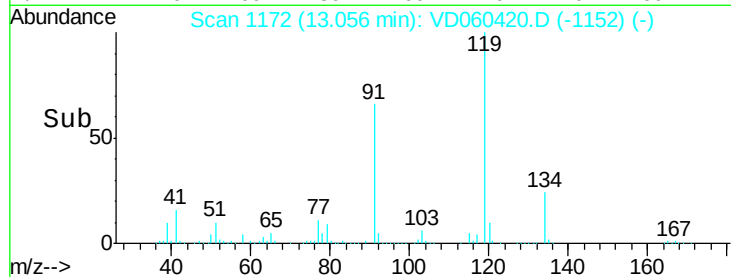
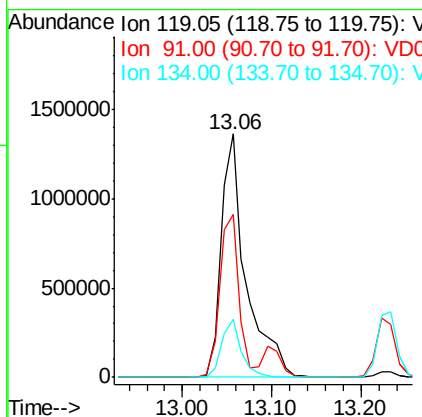
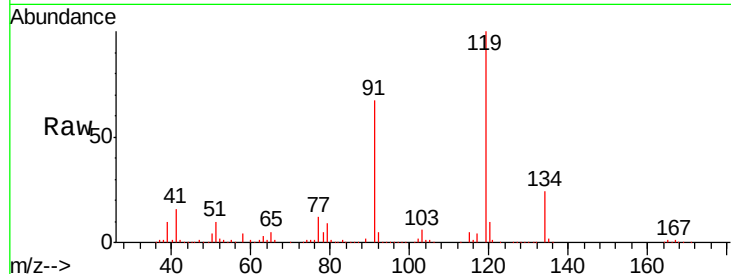




#83
 tert-Butylbenzene
 Concen: 52.41 ug/l
 RT: 13.06 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

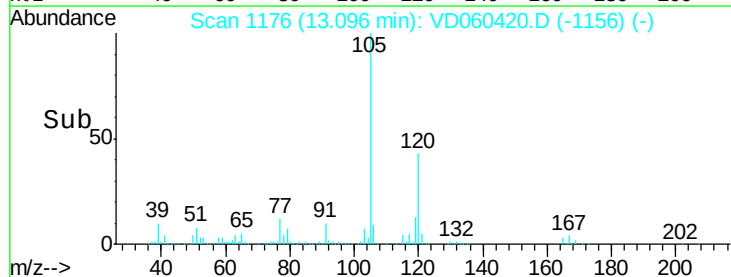
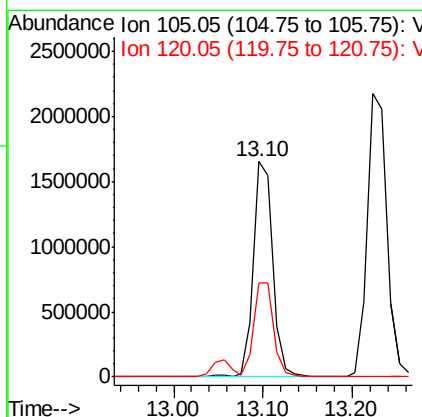
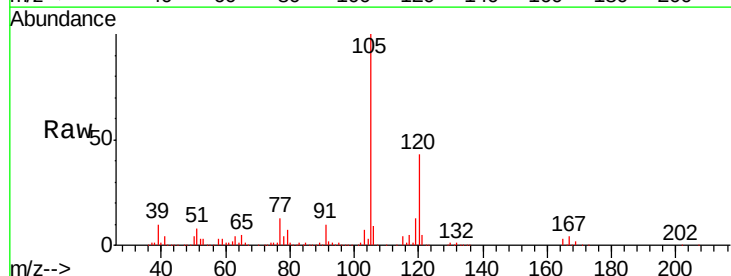
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

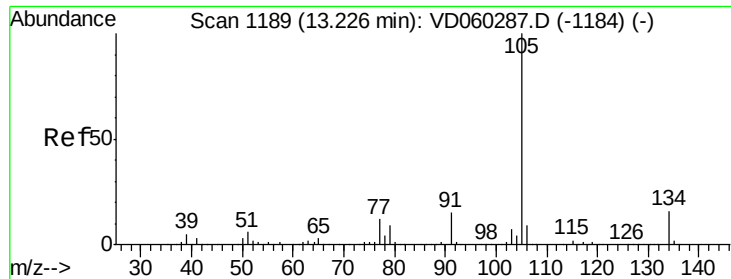
Tgt Ion:119 Resp: 2666272
 Ion Ratio Lower Upper
 119 100
 91 66.7 32.7 98.1
 134 23.9 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 53.58 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

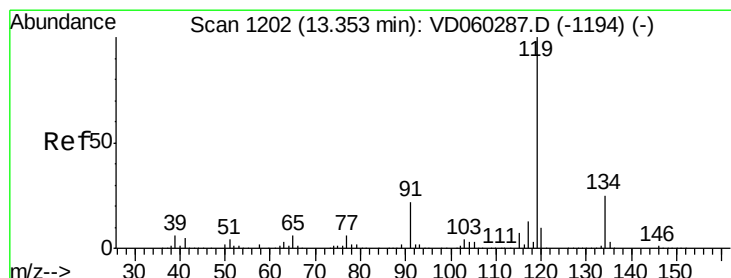
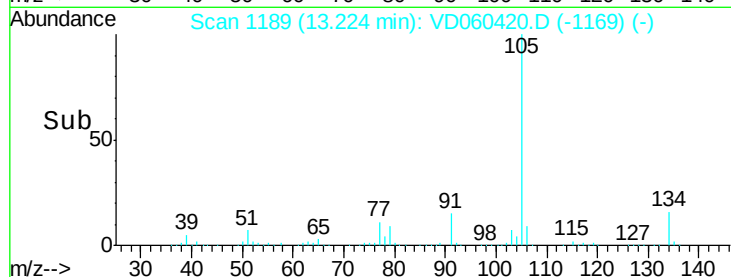
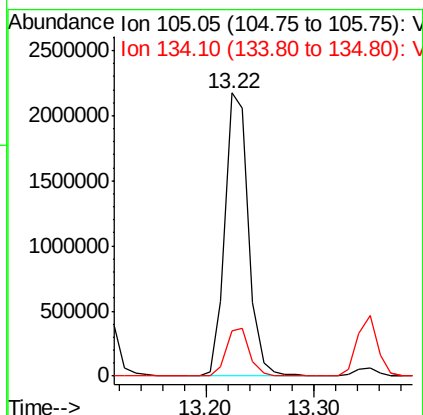
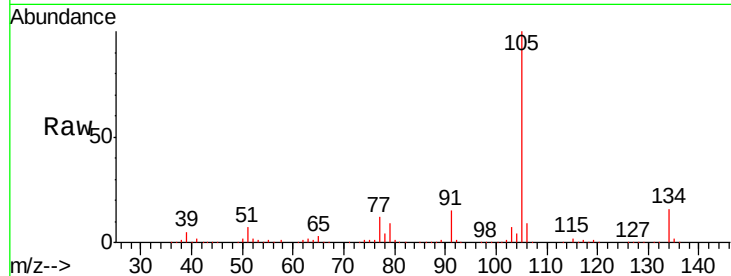




#85
 sec-Butylbenzene
 Concen: 52.49 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

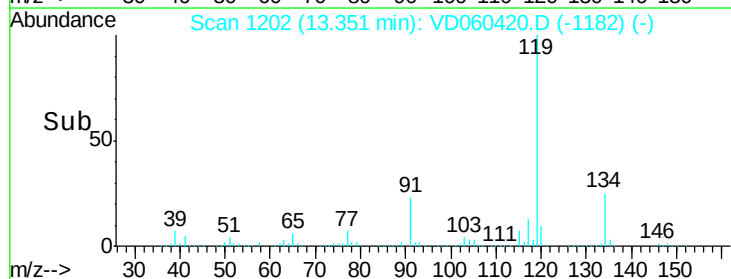
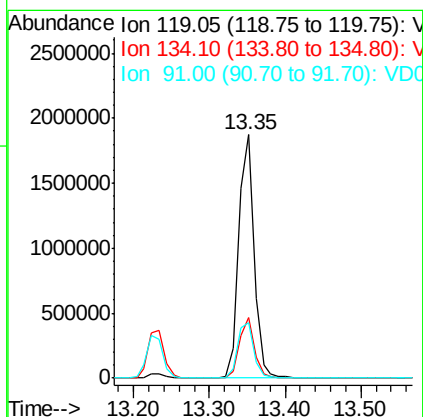
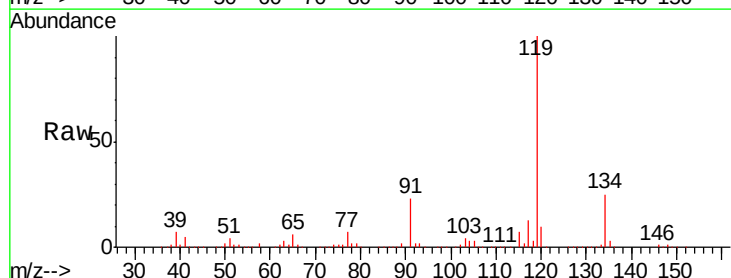
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

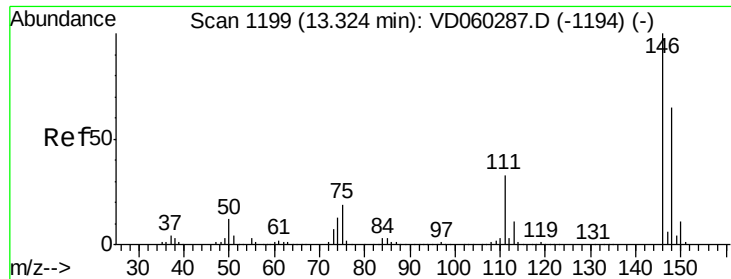
Tgt Ion:105 Resp: 3275867
 Ion Ratio Lower Upper
 105 100
 134 15.9 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 51.40 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

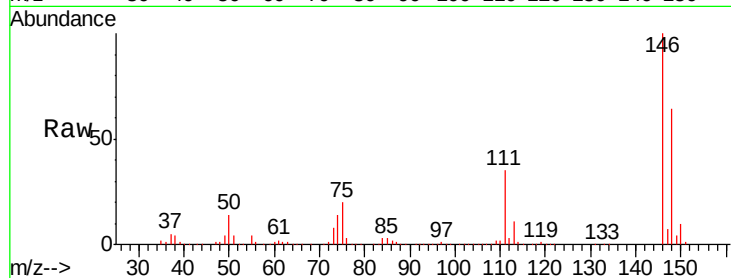




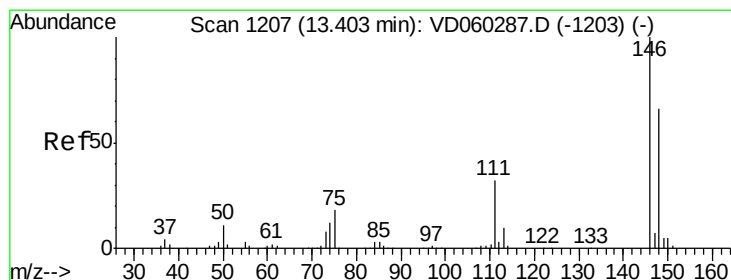
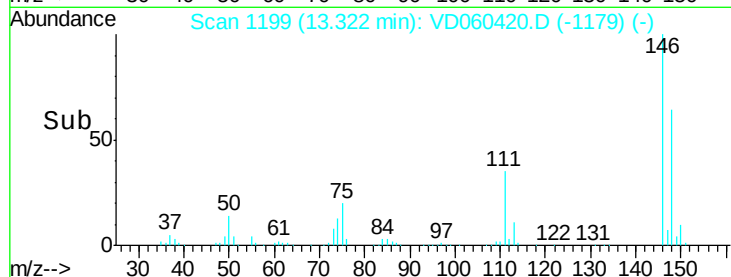
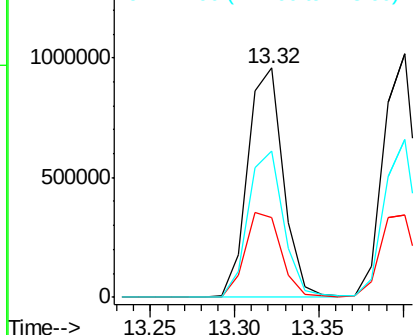
#87
 1,3-Dichlorobenzene
 Concen: 50.60 ug/l
 RT: 13.32 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

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

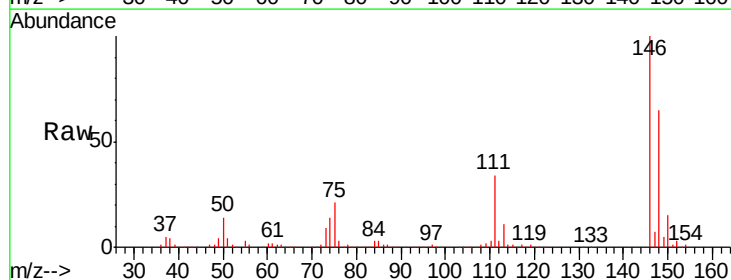


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

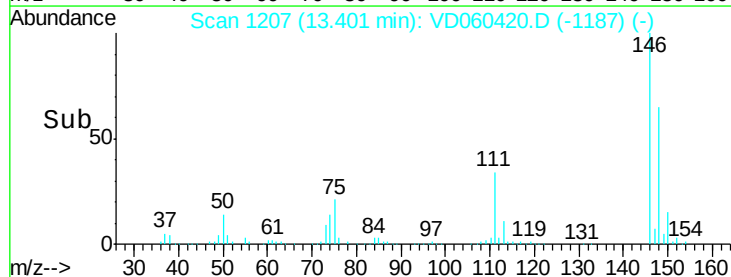
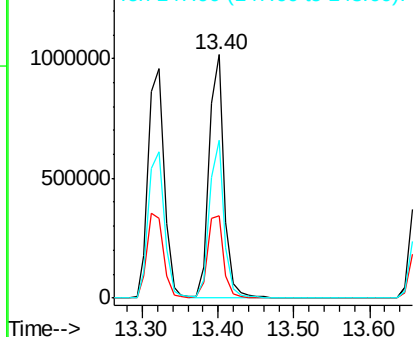


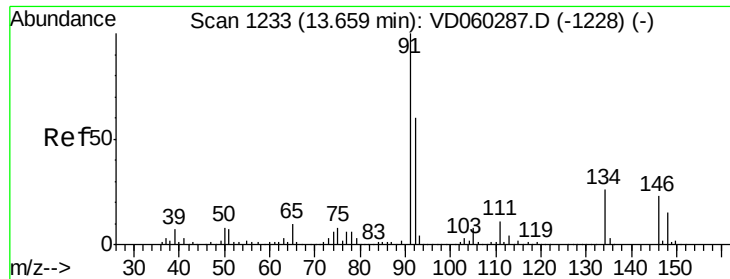
#88
 1,4-Dichlorobenzene
 Concen: 52.02 ug/l
 RT: 13.40 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

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

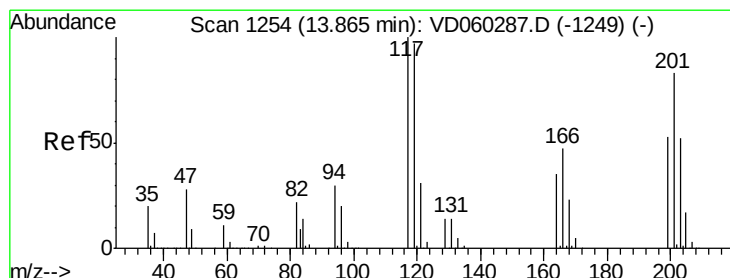
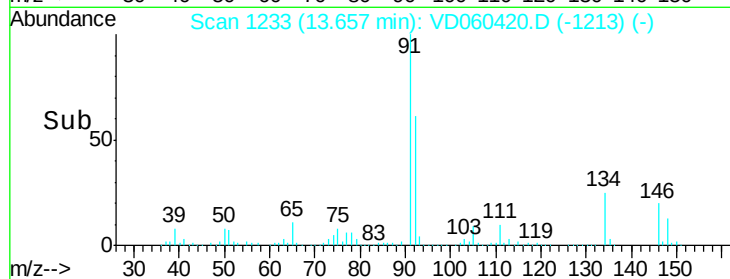
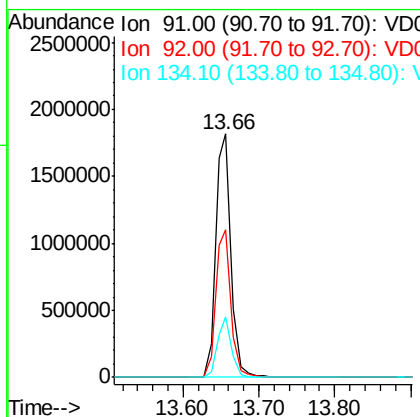
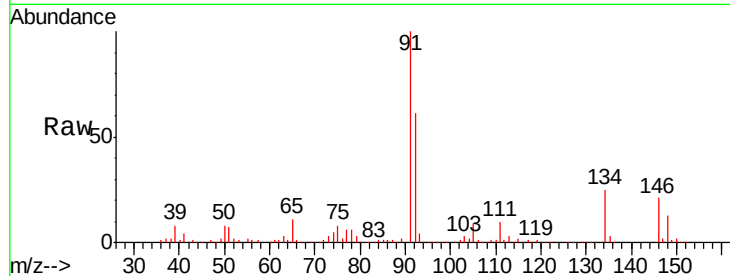




#89
n-Butylbenzene
Concen: 53.58 ug/l
RT: 13.66 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

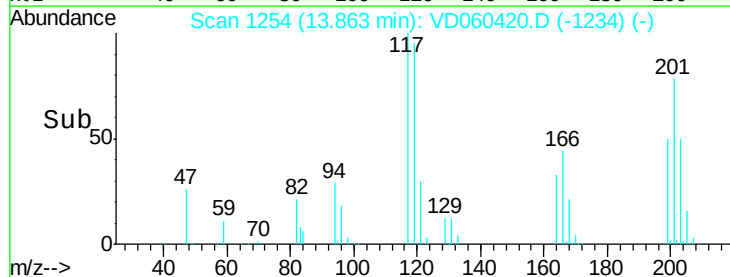
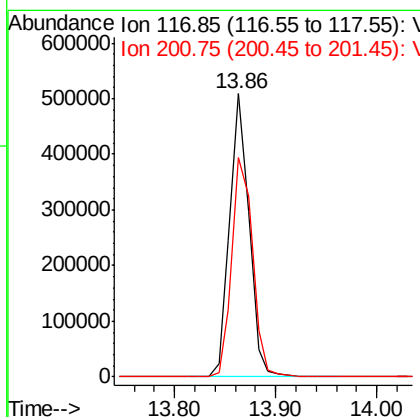
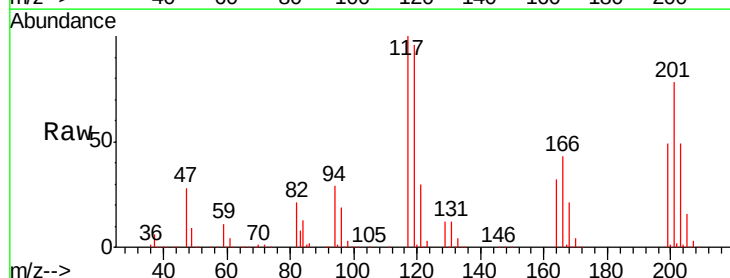
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

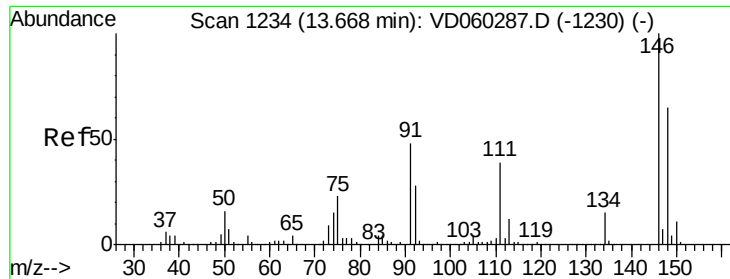
Tgt Ion: 91 Resp: 2587109
Ion Ratio Lower Upper
91 100
92 60.7 30.3 90.9
134 24.6 13.0 38.9



#90
Hexachloroethane
Concen: 56.89 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

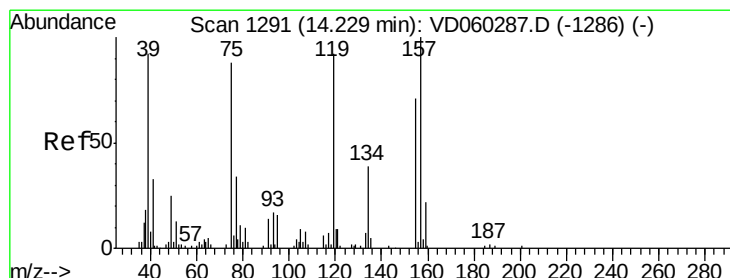
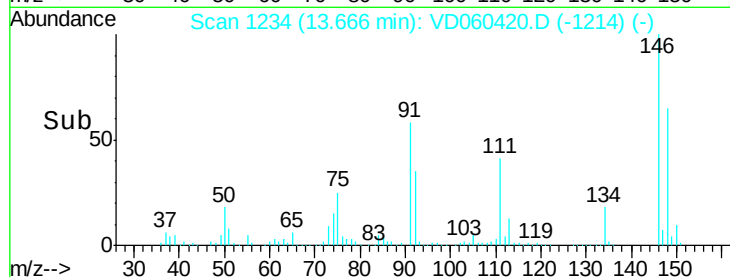
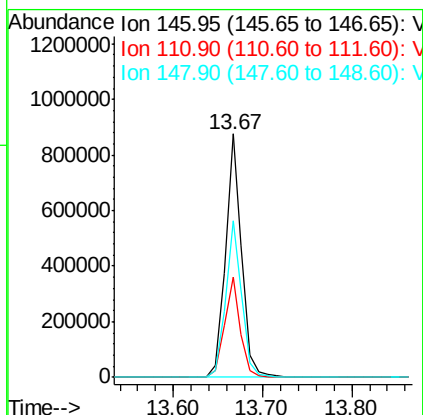
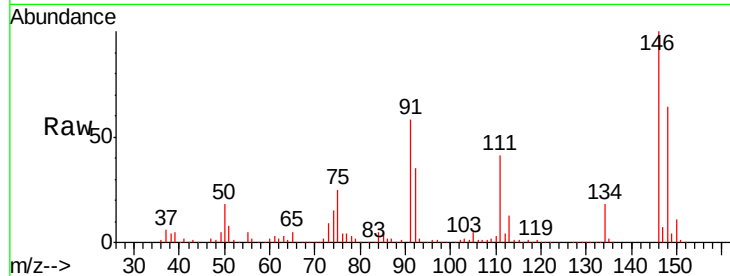




#91
 1,2-Dichlorobenzene
 Concen: 48.71 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. -0.00 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

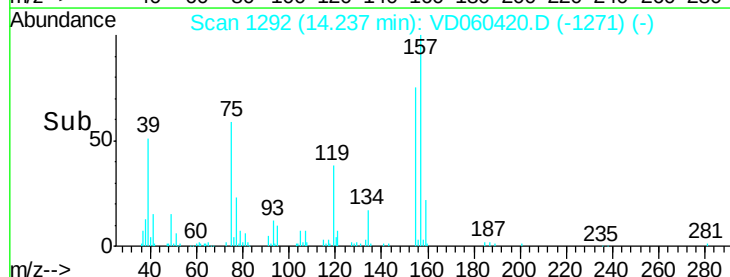
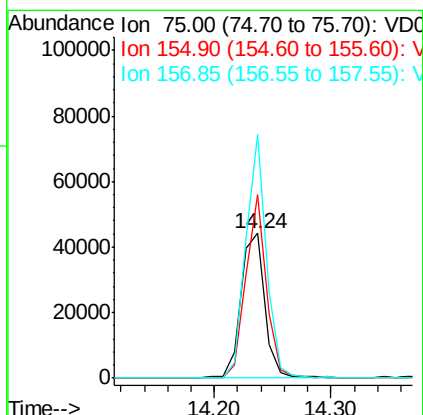
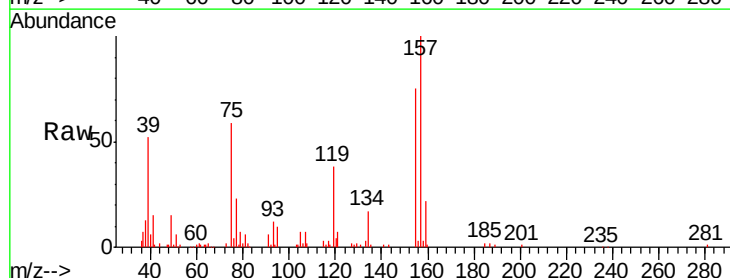
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

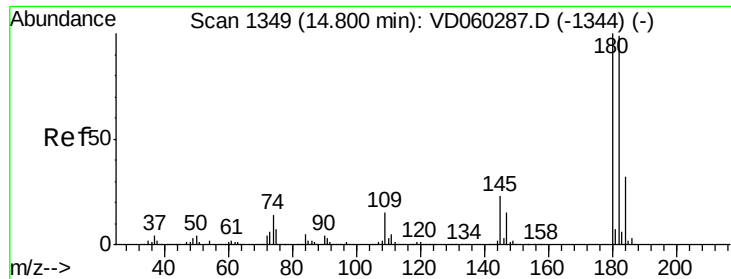
Tgt Ion: 146 Resp: 1114859
 Ion Ratio Lower Upper
 146 100
 111 41.2 18.9 56.9
 148 64.5 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.91 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

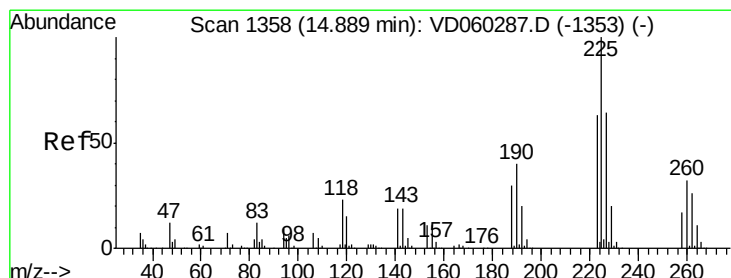
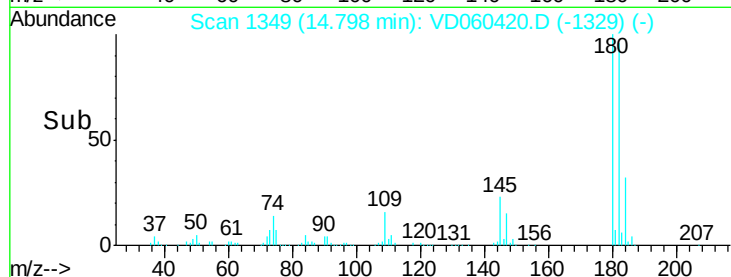
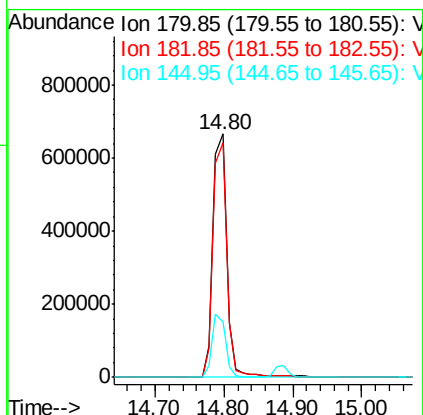
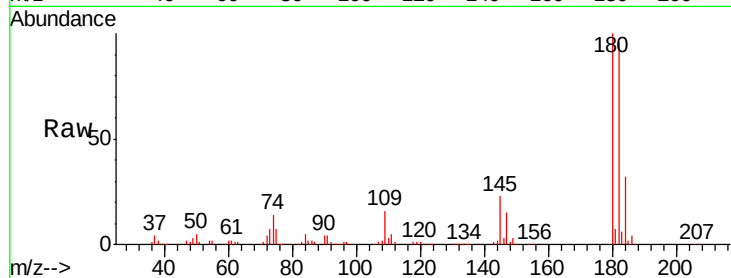




#93
 1,2,4-Trichlorobenzene
 Concen: 52.07 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. -0.00 min
 Lab File: VD060420.D
 Acq: 20 Nov 2018 10:37

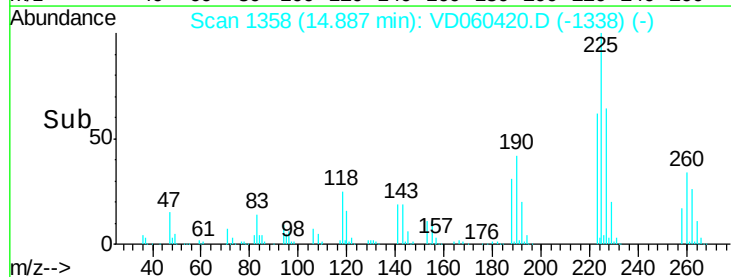
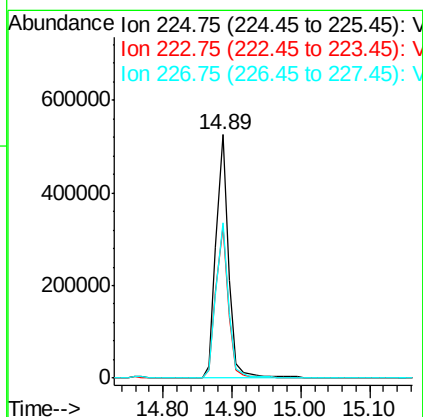
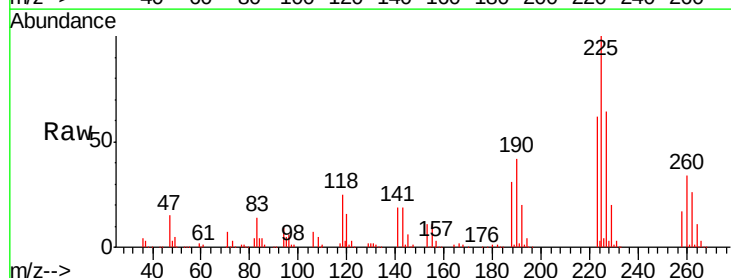
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

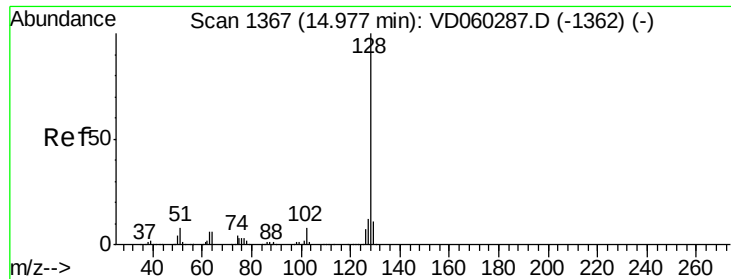
Tgt Ion:180 Resp: 944818
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.1 144.4
 145 22.8 11.5 34.4



#94
 Hexachlorobutadiene
 Concen: 49.21 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

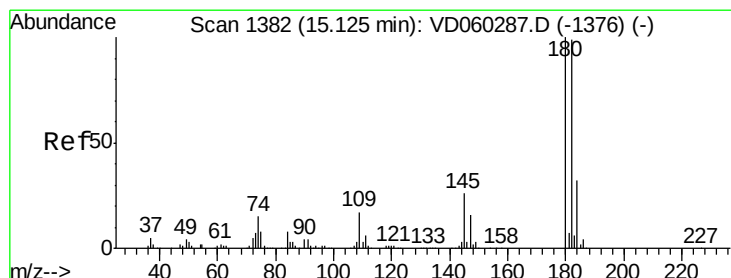
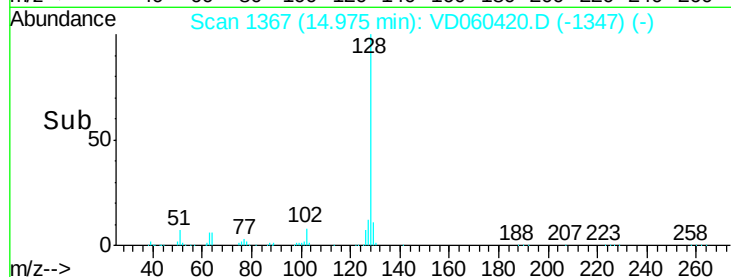
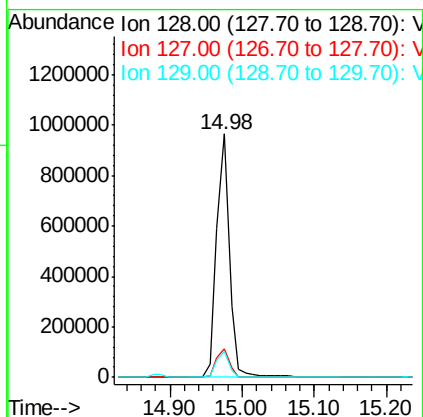
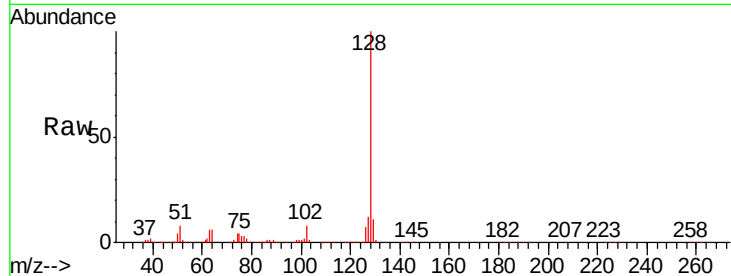




#95
Naphthalene
Concen: 53.19 ug/l
RT: 14.98 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VD060420.D
Acq: 20 Nov 2018 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 1178503
Ion Ratio Lower Upper
128 100
127 11.9 9.6 14.4
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 51.99 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

