

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110918\
 Data File : VD060308.D
 Acq On : 9 Nov 2018 11:13
 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 12 14:33:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1774180	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	2465802	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	1960880	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	973965	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	615623	48.46	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.92%	
35) Dibromofluoromethane	6.32	113	938728	51.05	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.10%	
50) Toluene-d8	9.45	98	2762200	51.33	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.42	95	967931	49.64	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.28%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.59	85	768618	55.759	ug/l 97
3) Chloromethane	1.77	50	772812	45.985	ug/l 98
4) Vinyl Chloride	1.86	62	664970	48.451	ug/l 99
5) Bromomethane	2.16	94	199036	61.126	ug/l 97
6) Chloroethane	2.27	64	242820	53.322	ug/l 95
7) Trichlorofluoromethane	2.52	101	892738	55.172	ug/l 99
8) Diethyl Ether	2.83	74	143882	49.113	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.10	101	552959	51.957	ug/l 98
10) Methyl Iodide	3.25	142	651130	47.106	ug/l 99
11) Tert butyl alcohol	3.96	59	130939	251.010	ug/l # 91
12) 1,1-Dichloroethene	3.08	96	442393	51.103	ug/l 99
13) Acrolein	2.99	56	150649	244.408	ug/l 100
14) Allyl chloride	3.54	41	821285	49.582	ug/l 95
15) Acrylonitrile	4.08	53	726339	238.773	ug/l 99
16) Acetone	3.16	43	550979	250.042	ug/l 98
17) Carbon Disulfide	3.32	76	1393367	49.866	ug/l 99
18) Methyl Acetate	3.56	43	219920	46.807	ug/l 98
19) Methyl tert-butyl Ether	4.12	73	1284981	49.571	ug/l 99
20) Methylene Chloride	3.72	84	960716	49.149	ug/l 99
21) trans-1,2-Dichloroethene	4.10	96	1001081	52.082	ug/l 99
22) Diisopropyl ether	4.85	45	3214554	51.945	ug/l 93
23) Vinyl Acetate	4.80	43	7610151	247.145	ug/l 99
24) 1,1-Dichloroethane	4.75	63	1677760	52.870	ug/l 100
25) 2-Butanone	5.62	43	1137569	248.367	ug/l 100
26) 2,2-Dichloropropane	5.59	77	1354011	54.881	ug/l 100
27) cis-1,2-Dichloroethene	5.59	96	1034582	51.666	ug/l 96
28) Bromochloromethane	5.92	49	683862	48.841	ug/l 95
29) Tetrahydrofuran	5.95	42	560570	232.138	ug/l 99
30) Chloroform	6.10	83	1679315	52.934	ug/l 99
31) Cyclohexane	6.36	56	1539628	50.761	ug/l 95
32) 1,1,1-Trichloroethane	6.29	97	1432236	53.596	ug/l 100
36) 1,1-Dichloropropene	6.52	75	1285252	52.759	ug/l 99
37) Ethyl Acetate	5.70	43	525800	46.905	ug/l 98
38) Carbon Tetrachloride	6.49	117	1185685	52.468	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110918\
 Data File : VD060308.D
 Acq On : 9 Nov 2018 11:13
 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 12 14:33:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1491158	53.219	ug/l	97
40) Benzene	6.79	78	3292480	52.947	ug/l	100
41) Methacrylonitrile	5.93	41	613043	47.781	ug/l #	91
42) 1,2-Dichloroethane	6.89	62	825737	50.732	ug/l	97
43) Isopropyl Acetate	8.34	43	700067	49.717	ug/l	99
44) Trichloroethene	7.73	130	1035498	54.933	ug/l	98
45) 1,2-Dichloropropane	8.10	63	827649	52.774	ug/l	97
46) Dibromomethane	8.22	93	465028	50.628	ug/l	96
47) Bromodichloromethane	8.48	83	1151268	53.189	ug/l	100
48) Methyl methacrylate	8.24	41	424394	49.618	ug/l	96
49) 1,4-Dioxane	8.22	88	73188	988.963	ug/l	92
51) 4-Methyl-2-Pentanone	9.34	43	2165633	236.297	ug/l	100
52) Toluene	9.54	92	2065363	51.995	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	967438	52.899	ug/l	100
54) cis-1,3-Dichloropropene	9.10	75	1266661	54.000	ug/l	96
55) 1,1,2-Trichloroethane	10.17	97	559190	48.570	ug/l	98
56) Ethyl methacrylate	10.03	69	538801	50.899	ug/l	98
57) 1,3-Dichloropropane	10.38	76	881884	50.269	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	1507778	235.569	ug/l	97
59) 2-Hexanone	10.48	43	1639522	250.993	ug/l	98
60) Dibromochloromethane	10.64	129	741020	52.948	ug/l	98
61) 1,2-Dibromoethane	10.75	107	583822	50.611	ug/l	99
64) Tetrachloroethene	10.24	164	921767	52.656	ug/l	98
65) Chlorobenzene	11.31	112	2171736	51.116	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	733744	52.782	ug/l	97
67) Ethyl Benzene	11.42	91	3762305	51.765	ug/l	100
68) m/p-Xylenes	11.56	106	2772767	103.422	ug/l	99
69) o-Xylene	11.93	106	1305649	50.409	ug/l	93
70) Styrene	11.95	104	2153806	51.454	ug/l	99
71) Bromoform	12.11	173	493060	52.783	ug/l	98
73) Isopropylbenzene	12.27	105	3722473	52.458	ug/l	100
74) N-amyl acetate	12.13	43	887218	48.768	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	578165	49.820	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	578446	49.648	ug/l	98
77) Bromobenzene	12.54	156	997907	52.942	ug/l	98
78) n-propylbenzene	12.63	91	4691458	52.968	ug/l	100
79) 2-Chlorotoluene	12.70	91	2509908	51.740	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	2841460	51.525	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	171380	51.667	ug/l	98
82) 4-Chlorotoluene	12.81	91	2781582	51.045	ug/l	88
83) tert-Butylbenzene	13.05	119	3209352	52.419	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	2747432	49.885	ug/l	100
85) sec-Butylbenzene	13.21	105	3891450	51.806	ug/l	98
86) p-Isopropyltoluene	13.34	119	3123103	51.629	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	1753490	52.288	ug/l	95
88) 1,4-Dichlorobenzene	13.39	146	1694878	51.750	ug/l	99
89) n-Butylbenzene	13.65	91	3067130	52.590	ug/l	99
90) Hexachloroethane	13.85	117	801241	55.860	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	1346658	48.889	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	74001	52.825	ug/l	98

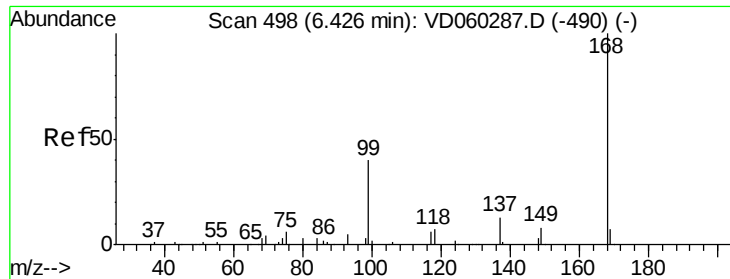
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110918\
Data File : VD060308.D
Acq On : 9 Nov 2018 11:13
Operator : JC/SY
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Quant Time: Nov 12 14:33:38 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1083142	49.596	ug/l	100
94) Hexachlorobutadiene	14.88	225	859014	52.587	ug/l	98
95) Naphthalene	14.97	128	1315515	49.331	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	856924	48.966	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleId :

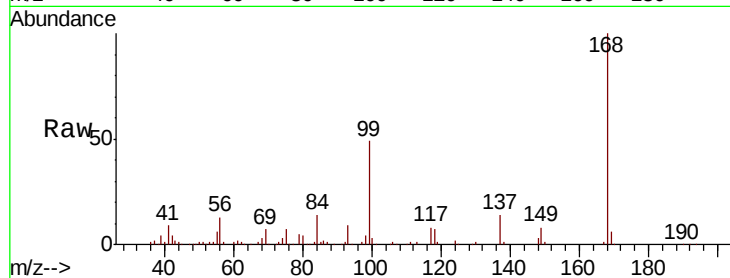
VSTDCCC050

Tot Ion:168 Resp: 1774180

Ion Ratio Lower Upper

168 100

99 48.9 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

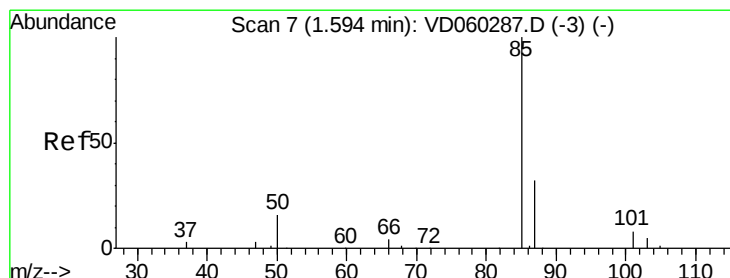
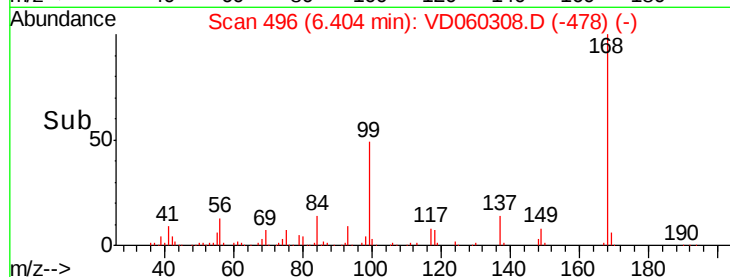
600000

400000

200000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#2

Dichlorodifluoromethane

Concen: 55.759 ug/l

RT: 1.59 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060308.D

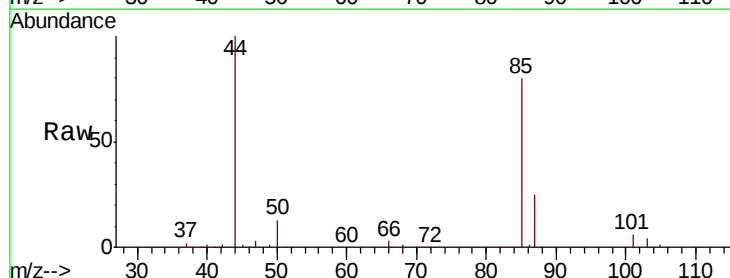
Acq: 9 Nov 2018 11:13

Tgt Ion: 85 Resp: 768618

Ion Ratio Lower Upper

85 100

87 31.8 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

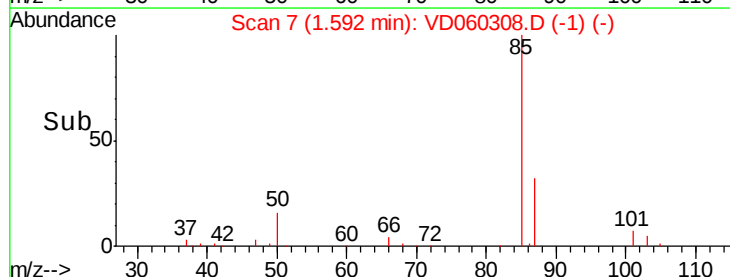
300000

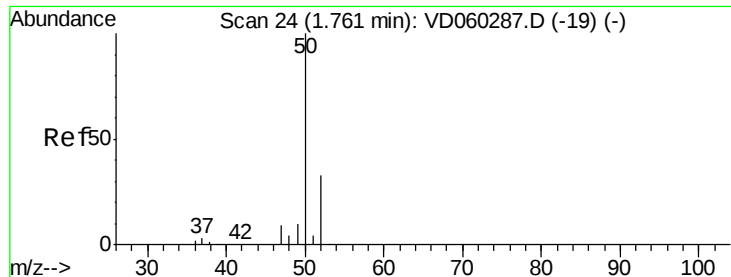
200000

100000

0

Time--> 1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 45.985 ug/l

RT: 1.77 min Scan# 25

Delta R.T. 0.01 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleId :

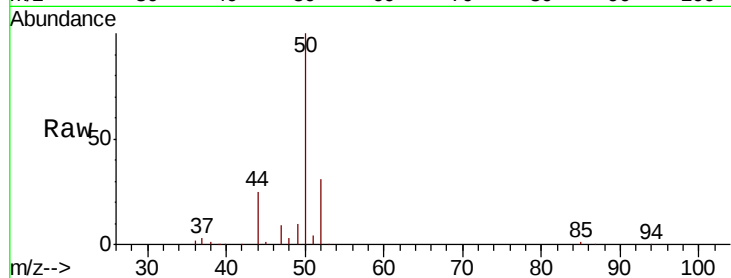
VSTDCCC050

Tot Ion: 50 Resp: 772812

Ion Ratio Lower Upper

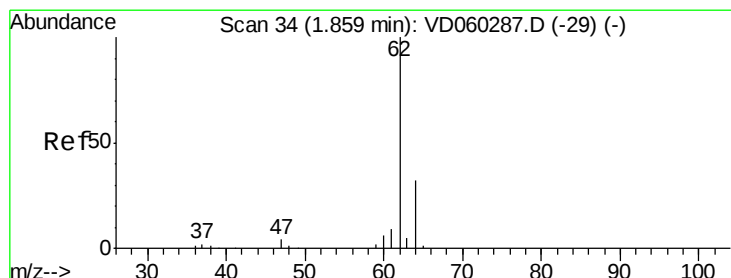
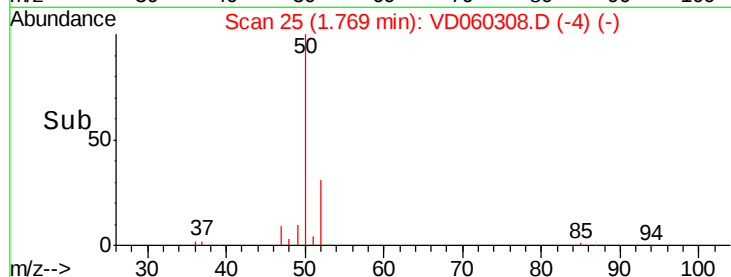
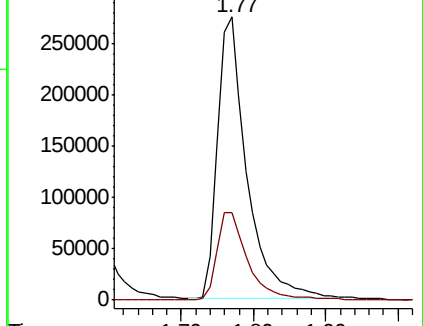
50 100

52 31.1 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: 48.451 ug/l

RT: 1.86 min Scan# 34

Delta R.T. -0.00 min

Lab File: VD060308.D

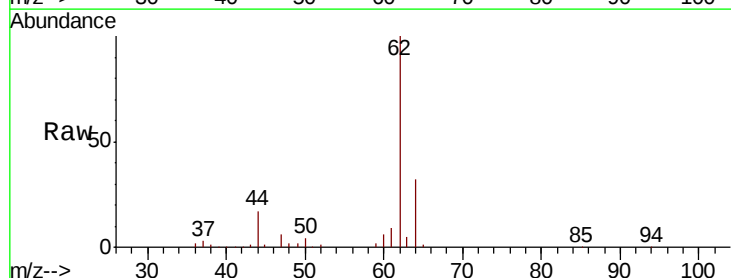
Acq: 9 Nov 2018 11:13

Tgt Ion: 62 Resp: 664970

Ion Ratio Lower Upper

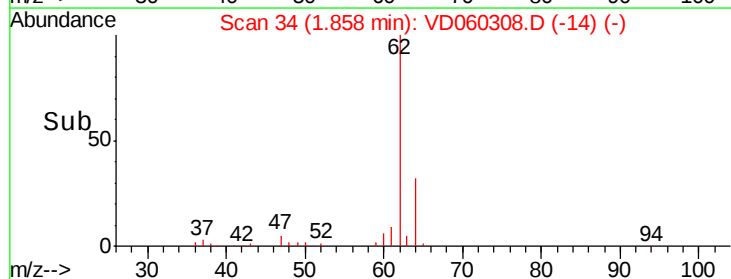
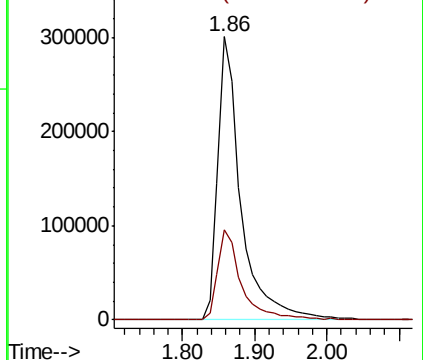
62 100

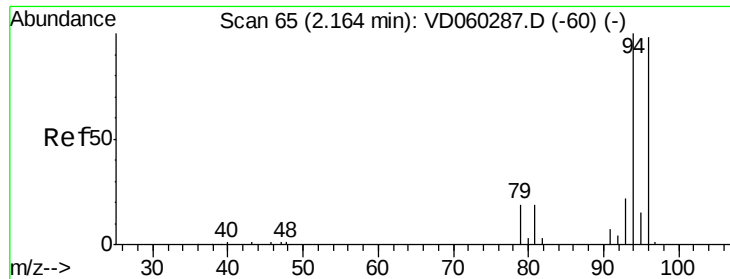
64 31.6 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 61.126 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleId :

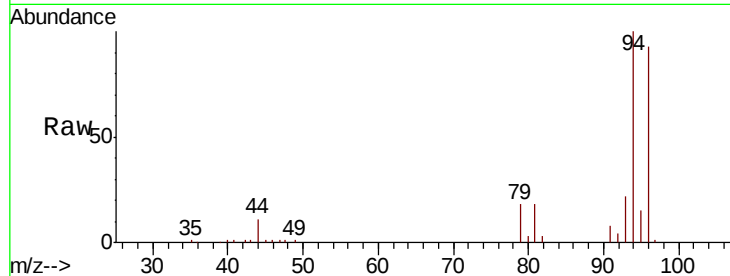
VSTDCCC050

Tot Ion: 94 Resp: 199036

Ion Ratio Lower Upper

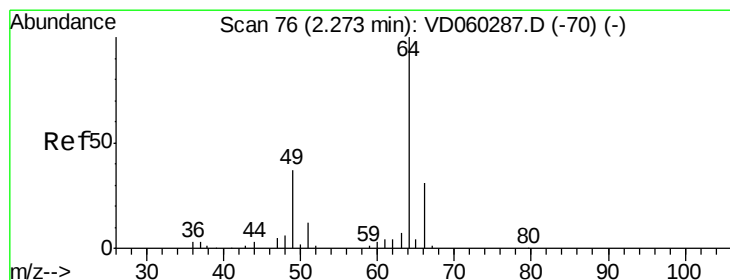
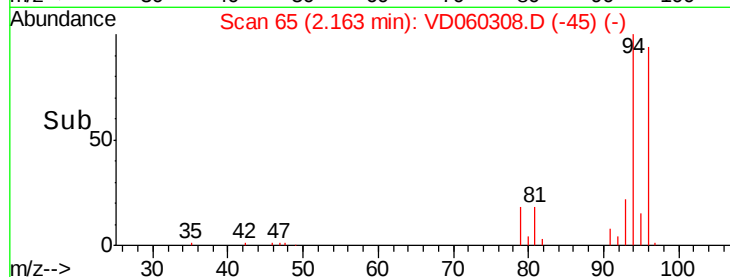
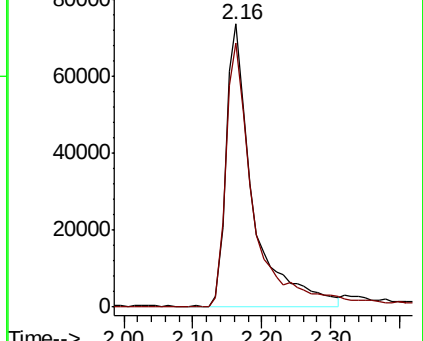
94 100

96 93.2 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 53.322 ug/l

RT: 2.27 min Scan# 76

Delta R.T. -0.00 min

Lab File: VD060308.D

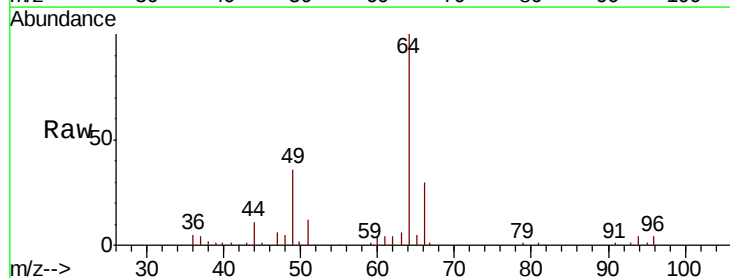
Acq: 9 Nov 2018 11:13

Tgt Ion: 64 Resp: 242820

Ion Ratio Lower Upper

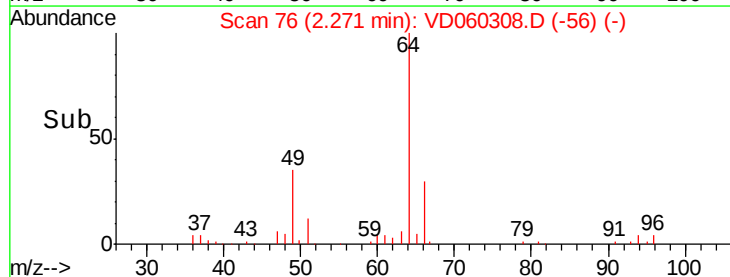
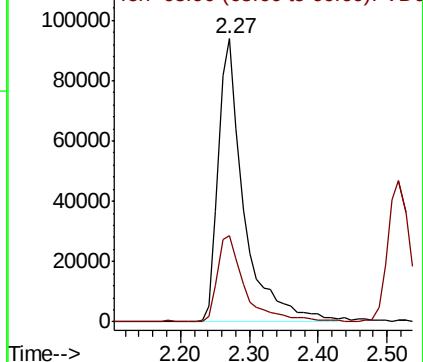
64 100

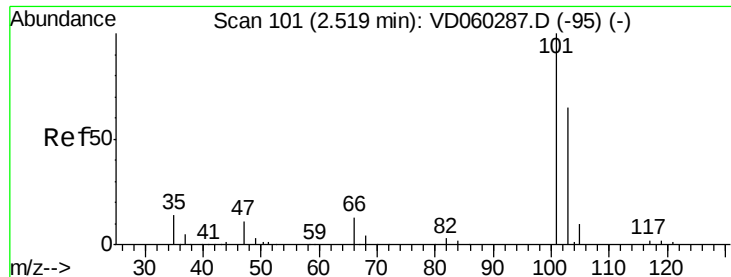
66 30.5 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



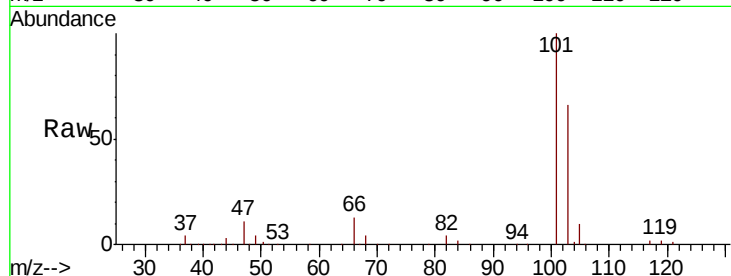


#7

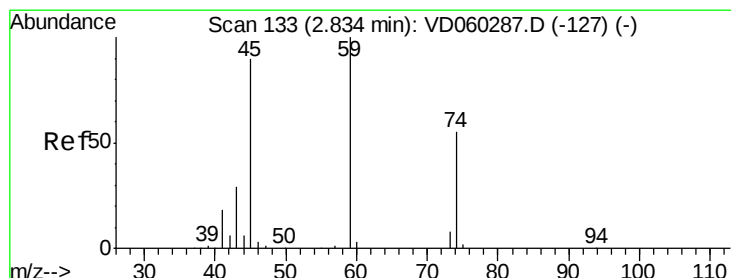
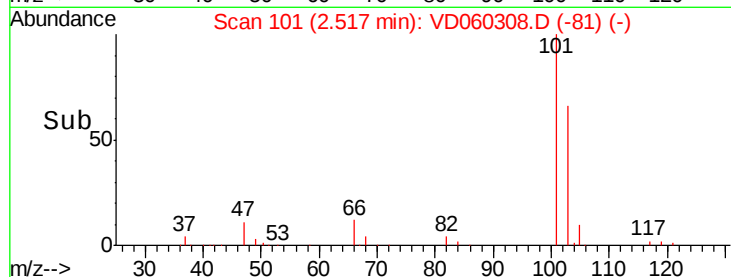
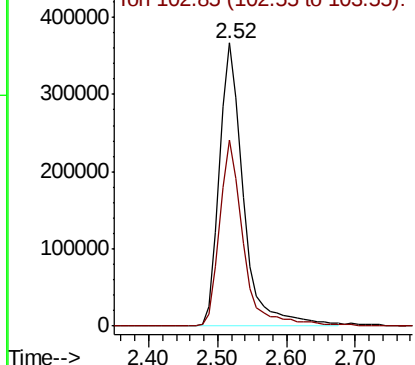
Trichlorofluoromethane
Concen: 55.172 ug/l
RT: 2.52 min Scan# 101
Delta R.T. -0.00 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 892738
Ion Ratio Lower Upper
101 100
103 65.8 53.6 80.4



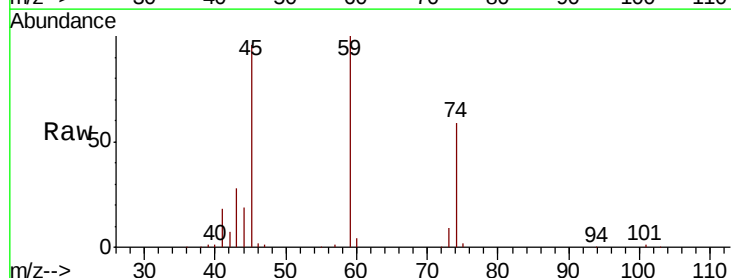
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



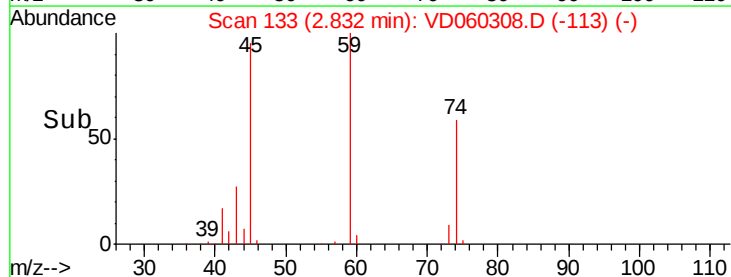
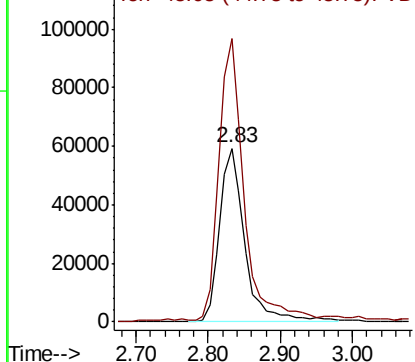
#8

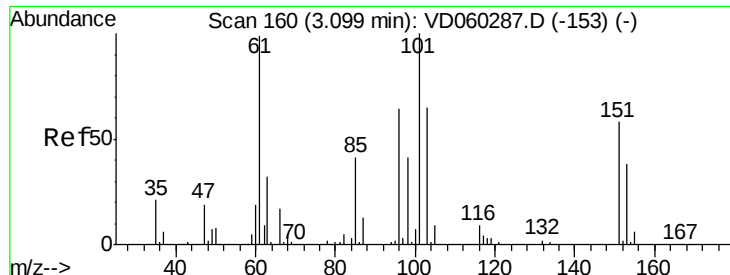
Diethyl Ether
Concen: 49.113 ug/l
RT: 2.83 min Scan# 133
Delta R.T. -0.00 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

Tgt Ion: 74 Resp: 143882
Ion Ratio Lower Upper
74 100
45 163.2 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: 51.957 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

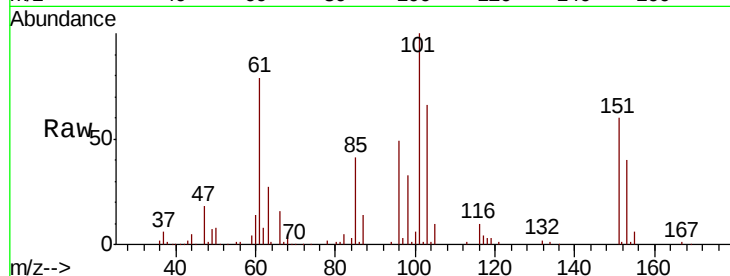
Tot Ion:101 Resp: 552959

Ion Ratio Lower Upper

101 100

85 40.6 31.4 47.0

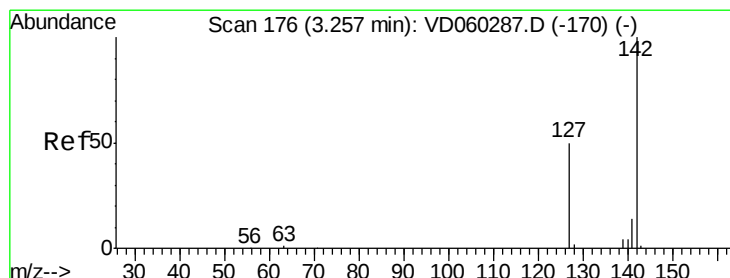
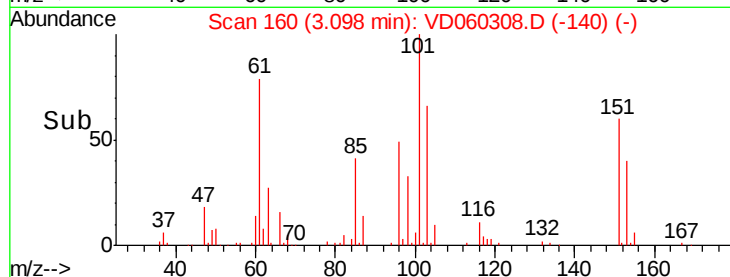
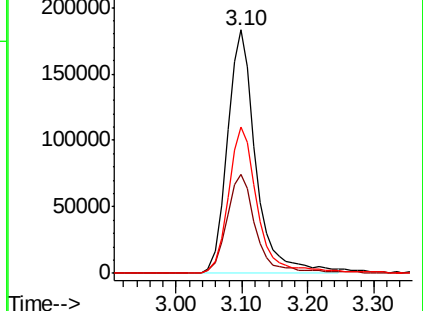
151 59.9 47.4 71.0



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: 47.106 ug/l

RT: 3.25 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

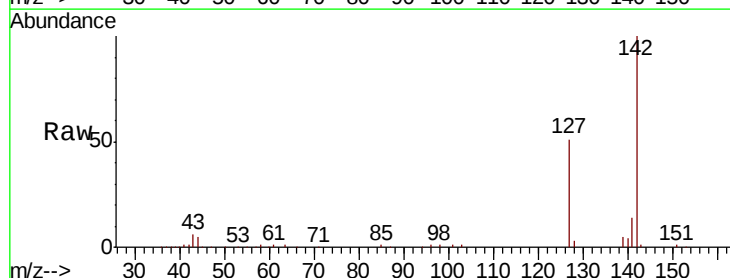
Tgt Ion:142 Resp: 651130

Ion Ratio Lower Upper

142 100

127 51.5 41.0 61.6

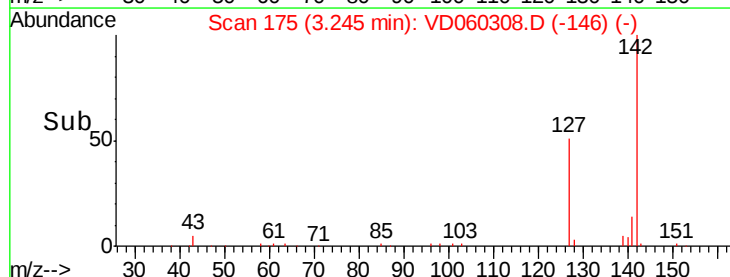
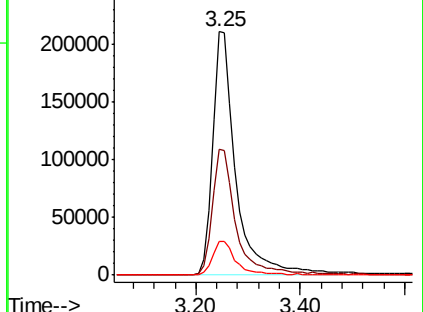
141 13.9 11.9 17.9

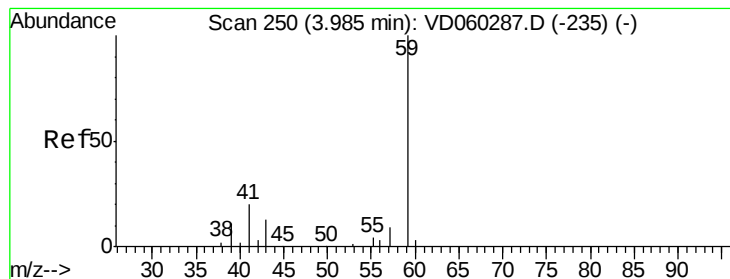


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



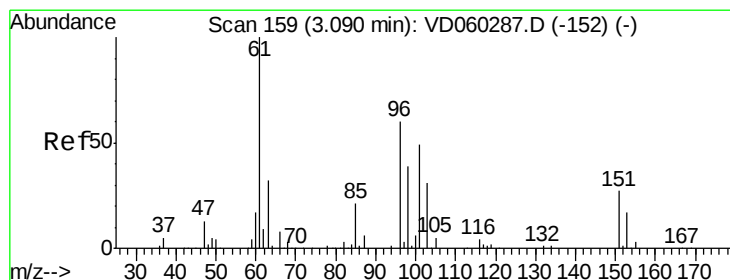
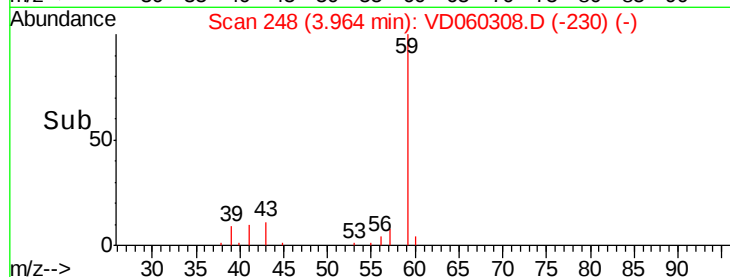
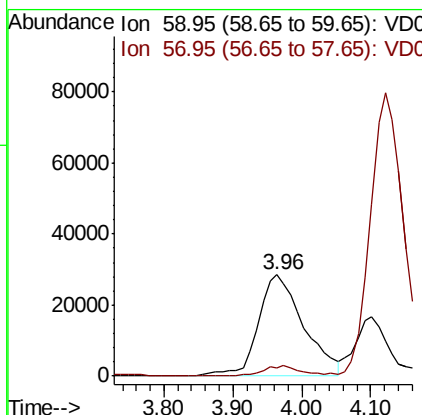
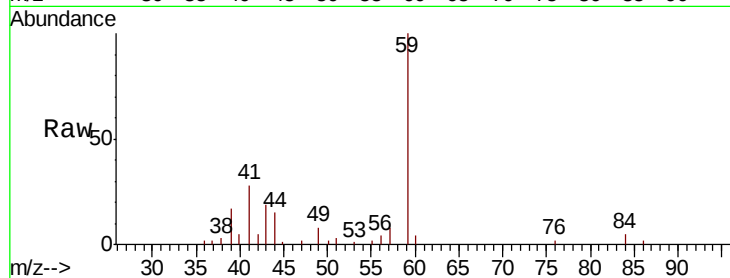


#11

Tert butyl alcohol
 Concen: 251.010 ug/l
 RT: 3.96 min Scan# 248
 Delta R.T. -0.02 min
 Lab File: VD060308.D
 Acq: 9 Nov 2018 11:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

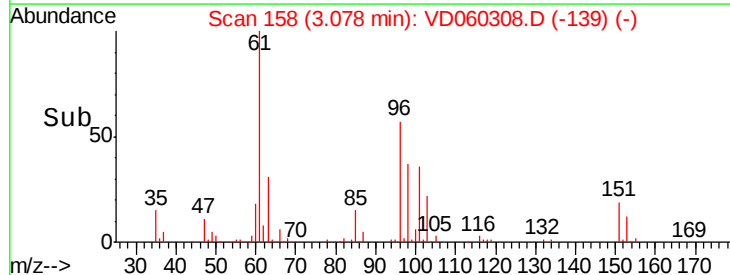
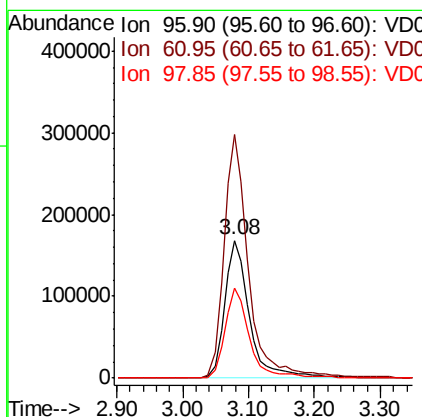
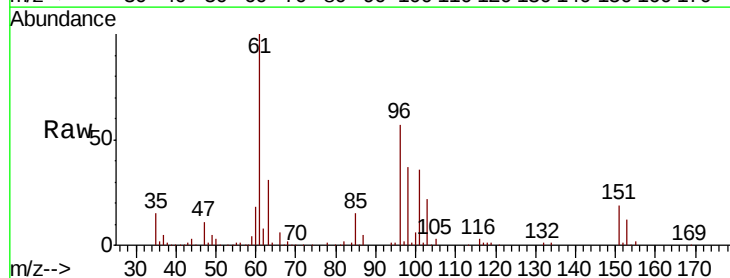
Tot Ion: 59 Resp: 130939
 Ion Ratio Lower Upper
 59 100
 57 8.2 9.3 13.9#

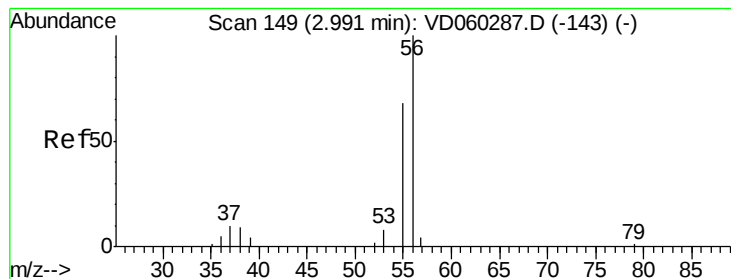


#12

1,1-Dichloroethene
 Concen: 51.103 ug/l
 RT: 3.08 min Scan# 158
 Delta R.T. -0.01 min
 Lab File: VD060308.D
 Acq: 9 Nov 2018 11:13

Tgt Ion: 96 Resp: 442393
 Ion Ratio Lower Upper
 96 100
 61 176.5 142.2 213.4
 98 64.9 52.6 79.0





#13

Acrolein

Concen: 244.408 ug/l

RT: 2.99 min Scan# 149

Delta R.T. -0.00 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleId :

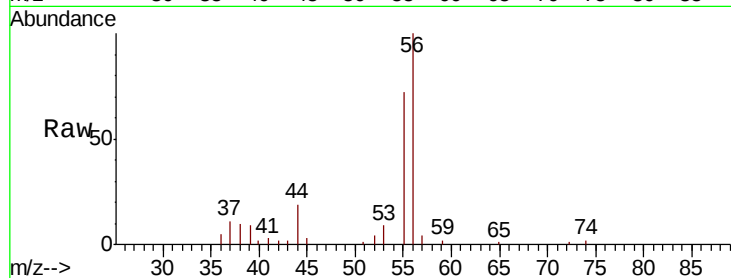
VSTDCCC050

Tot Ion: 56 Resp: 150649

Ion Ratio Lower Upper

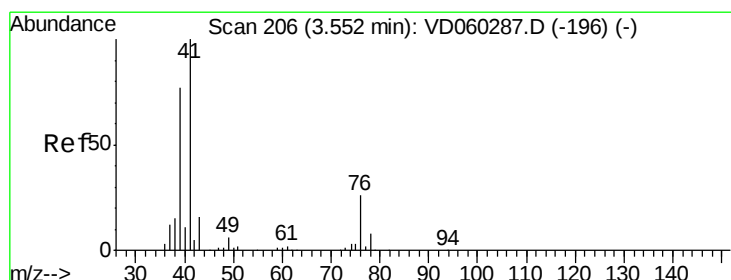
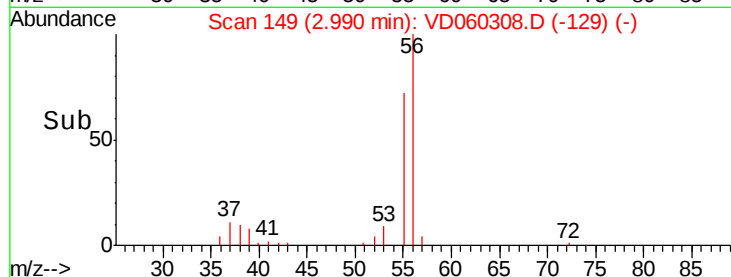
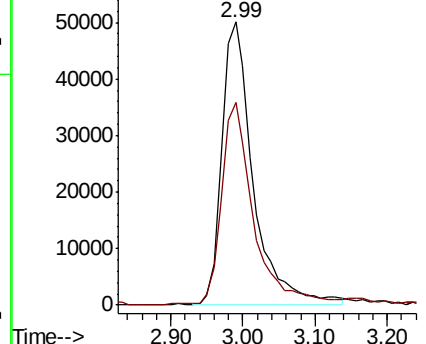
56 100

55 71.6 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.582 ug/l

RT: 3.54 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

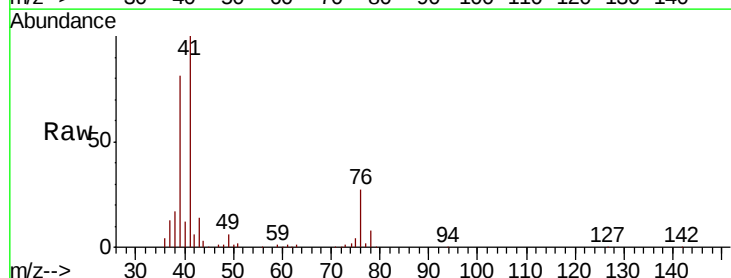
Tgt Ion: 41 Resp: 821285

Ion Ratio Lower Upper

41 100

39 81.0 60.4 90.6

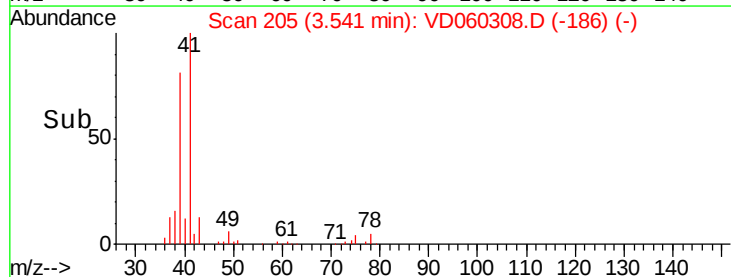
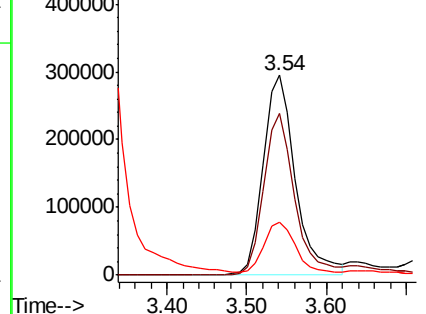
76 26.6 21.8 32.8

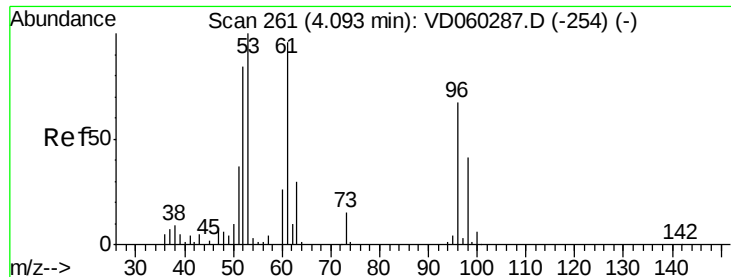


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 238.773 ug/l

RT: 4.08 min Scan# 260

Delta R.T. -0.01 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

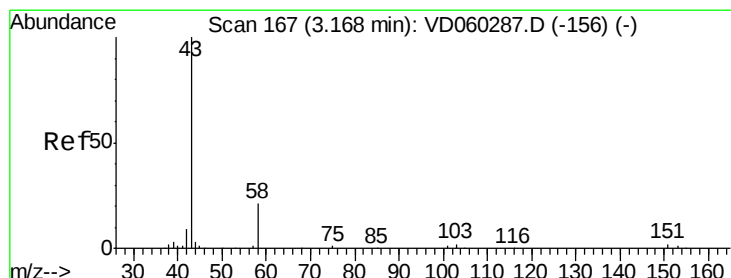
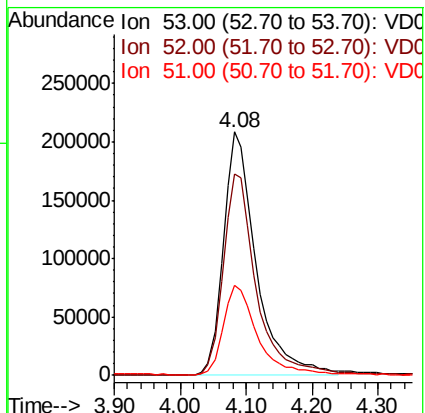
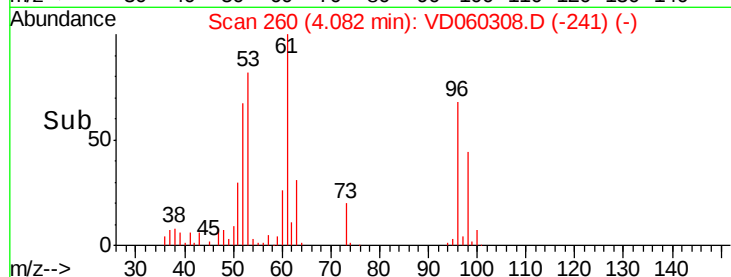
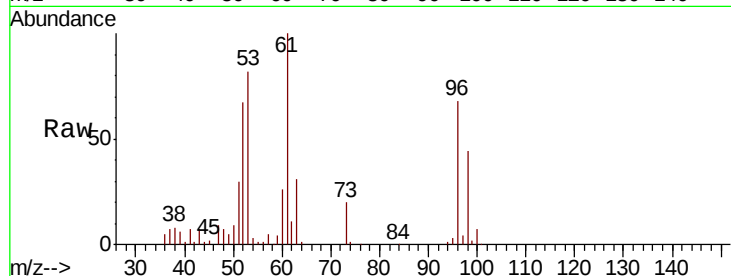
Tot Ion: 53 Resp: 726339

Ion Ratio Lower Upper

53 100

52 82.5 67.0 100.4

51 37.0 29.9 44.9



#16

Acetone

Concen: 250.042 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060308.D

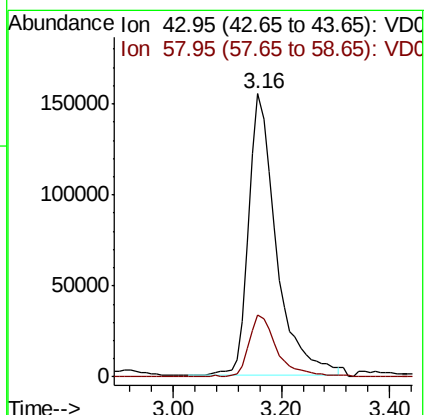
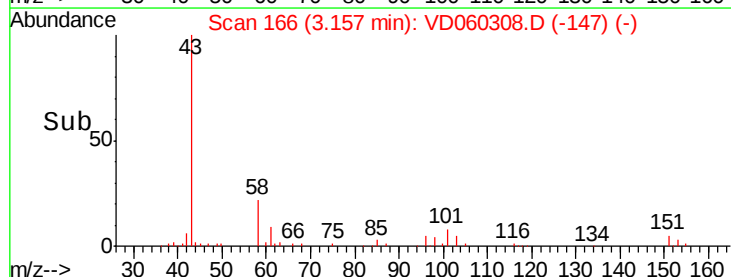
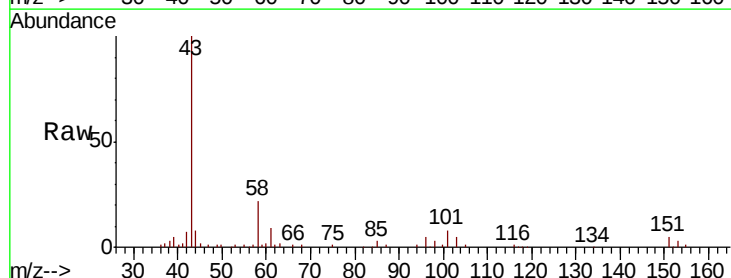
Acq: 9 Nov 2018 11:13

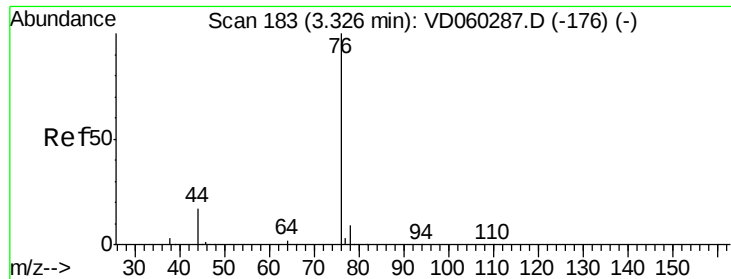
Tgt Ion: 43 Resp: 550979

Ion Ratio Lower Upper

43 100

58 21.8 16.9 25.3

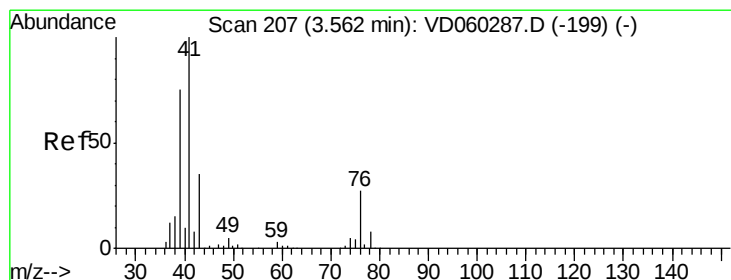
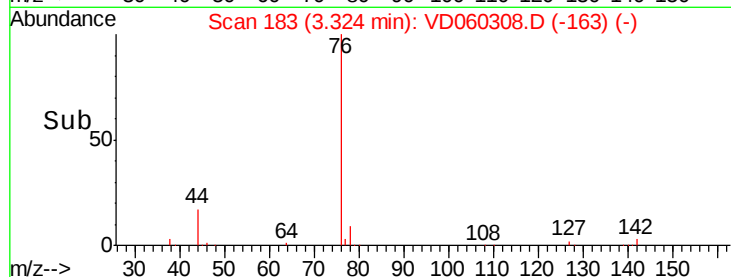
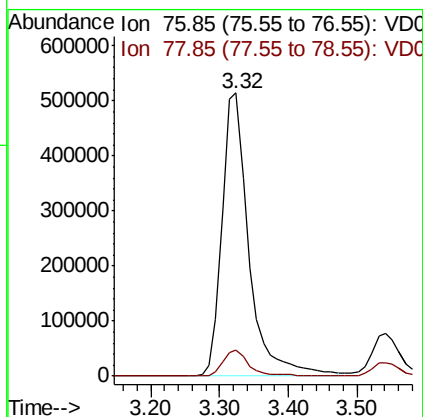
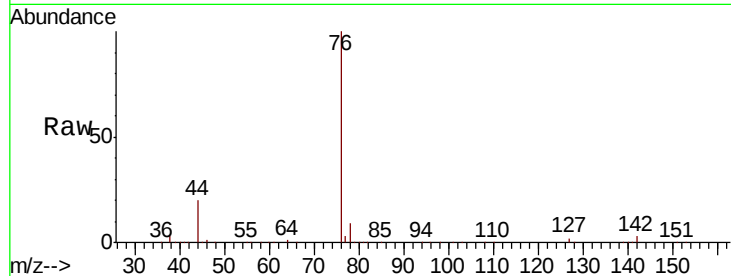




#17
Carbon Disulfide
Concen: 49.866 ug/l
RT: 3.32 min Scan# 183
Delta R.T. -0.00 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

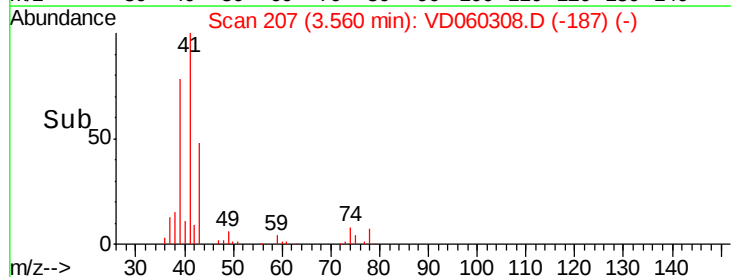
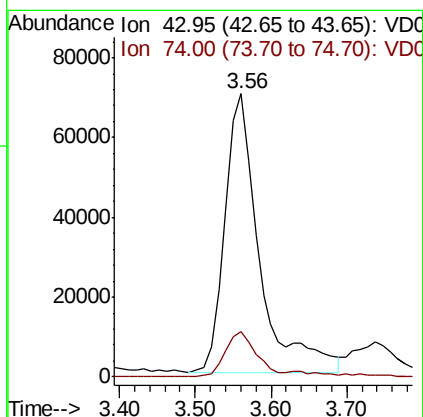
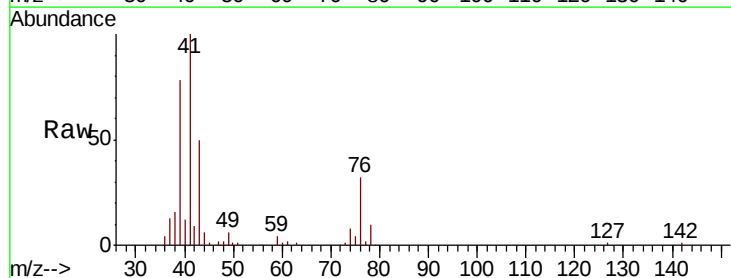
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

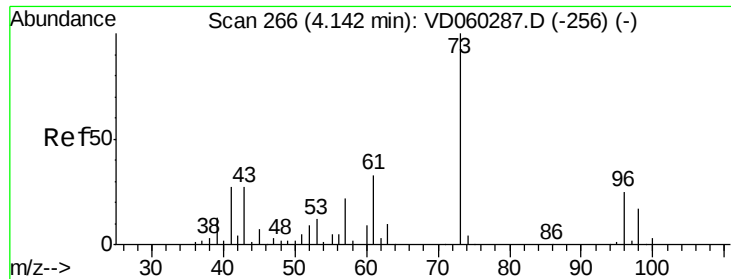
Tot Ion: 76 Resp: 1393367
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4



#18
Methyl Acetate
Concen: 46.807 ug/l
RT: 3.56 min Scan# 207
Delta R.T. -0.00 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

Tgt Ion: 43 Resp: 219920
Ion Ratio Lower Upper
43 100
74 16.1 12.4 18.6

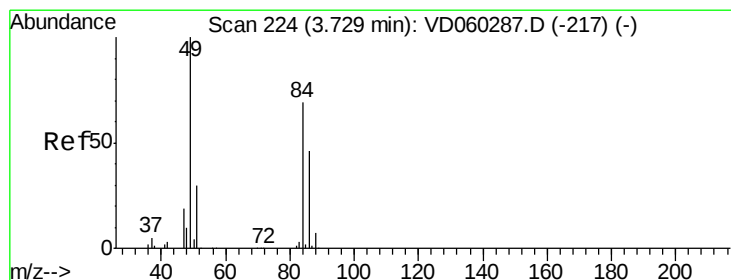
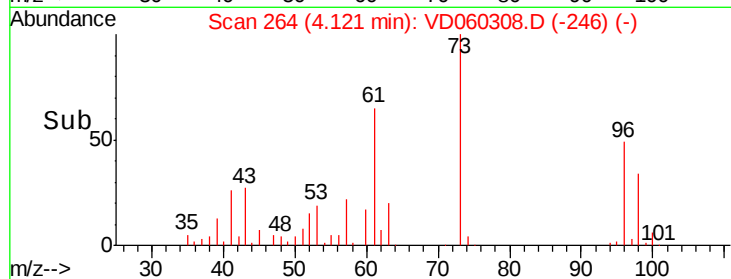
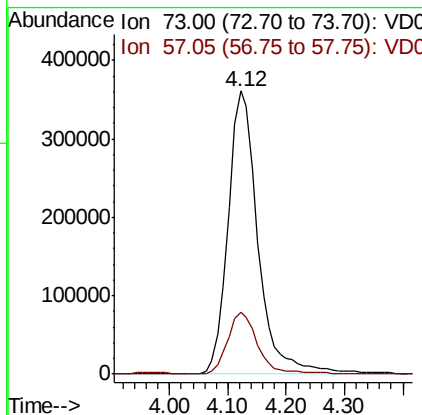
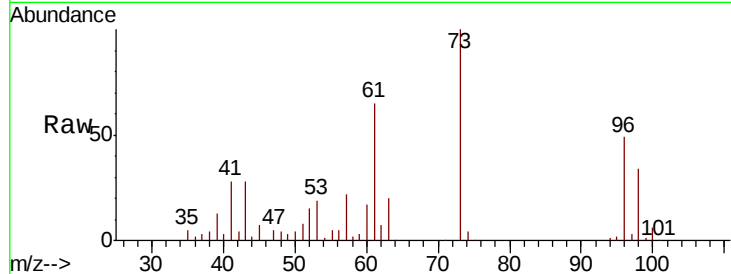




#19
Methyl tert-butyl Ether
Concen: 49.571 ug/l
RT: 4.12 min Scan# 264
Delta R.T. -0.02 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

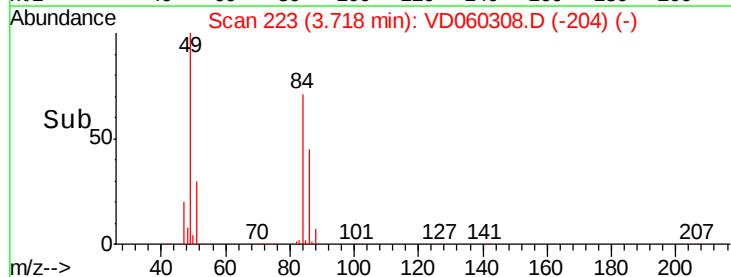
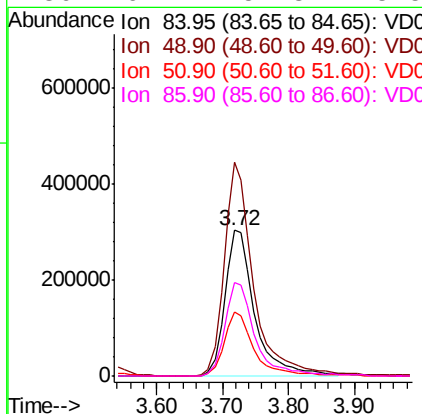
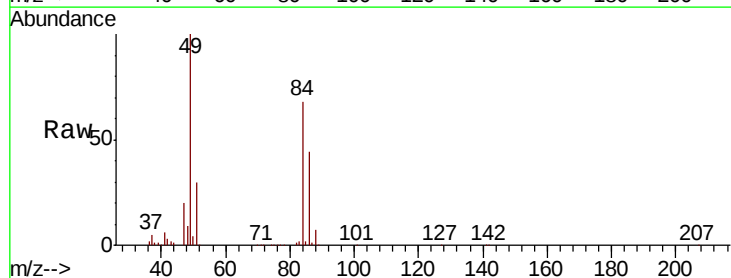
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

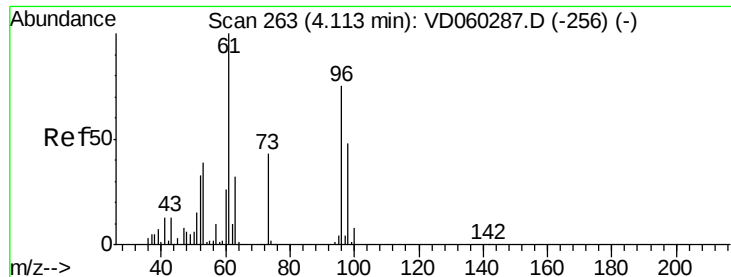
Tot Ion: 73 Resp: 1284981
Ion Ratio Lower Upper
73 100
57 22.1 18.1 27.1



#20
Methylene Chloride
Concen: 49.149 ug/l
RT: 3.72 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

Tgt Ion: 84 Resp: 960716
Ion Ratio Lower Upper
84 100
49 146.4 115.6 173.4
51 44.0 35.6 53.4
86 64.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 52.082 ug/l

RT: 4.10 min Scan# 262

Delta R.T. -0.01 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

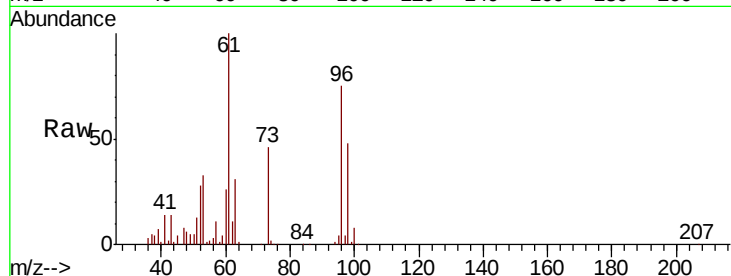
Tot Ion: 96 Resp: 1001081

Ion Ratio Lower Upper

96 100

61 133.4 105.8 158.6

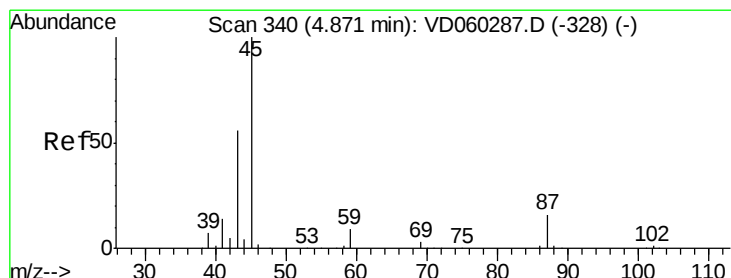
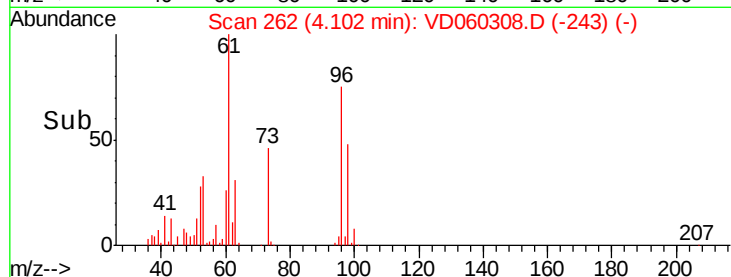
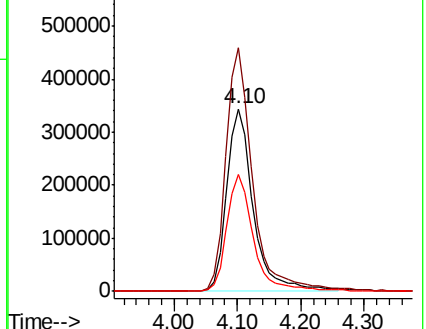
98 64.2 50.8 76.2



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: 51.945 ug/l

RT: 4.85 min Scan# 338

Delta R.T. -0.02 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Tgt Ion: 45 Resp: 3214554

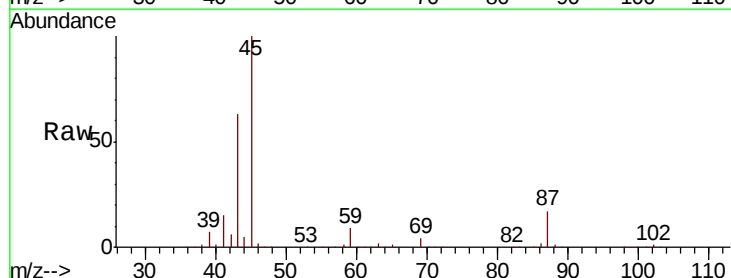
Ion Ratio Lower Upper

45 100

43 62.9 44.9 67.3

87 17.0 13.9 20.9

59 8.6 7.0 10.6

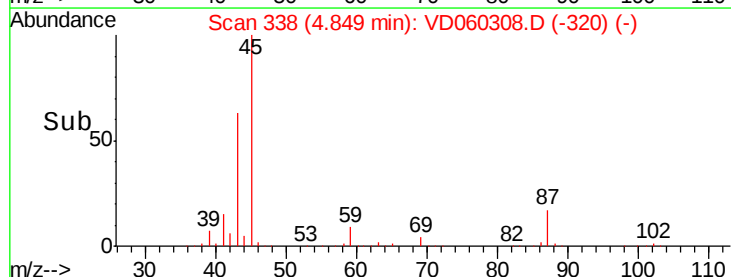
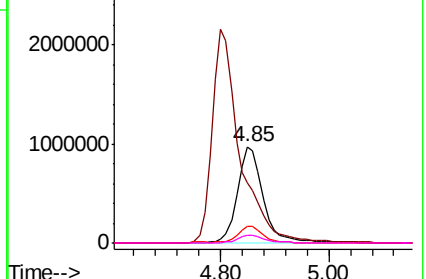


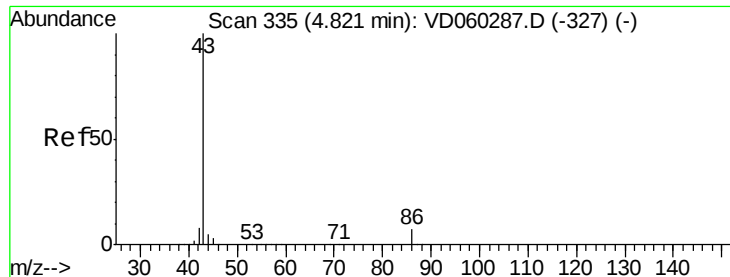
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 247.145 ug/l

RT: 4.80 min Scan# 333

Delta R.T. -0.02 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleId :

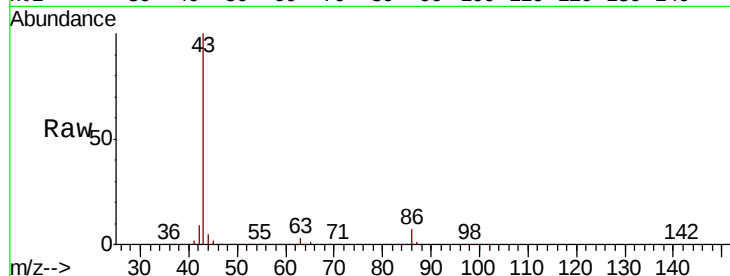
VSTDCCC050

Tot Ion: 43 Resp: 7610151

Ion Ratio Lower Upper

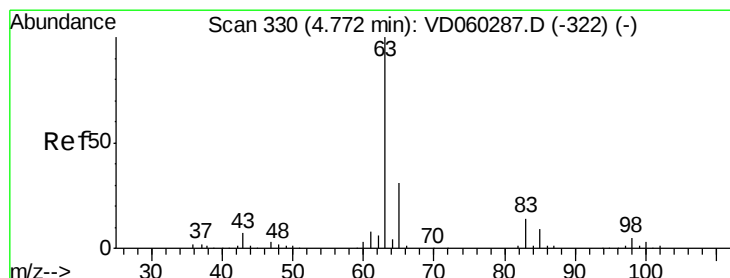
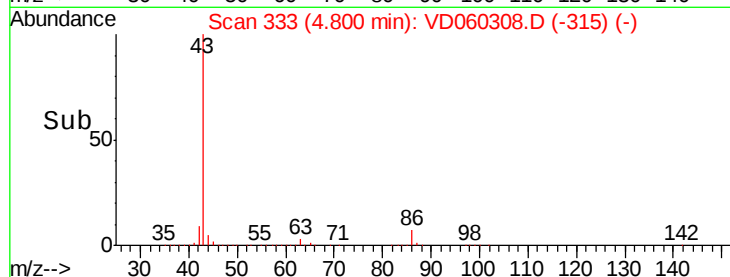
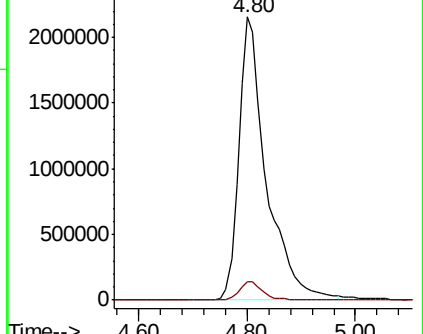
43 100

86 6.7 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.870 ug/l

RT: 4.75 min Scan# 328

Delta R.T. -0.02 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

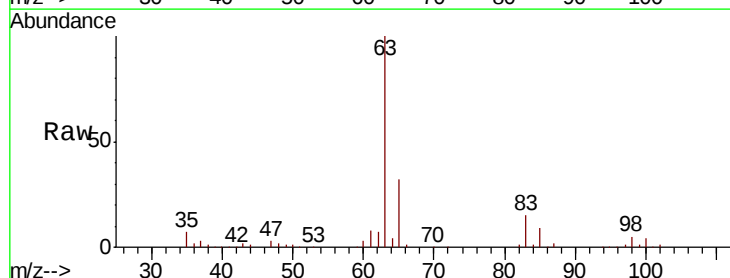
Tgt Ion: 63 Resp: 1677760

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.4

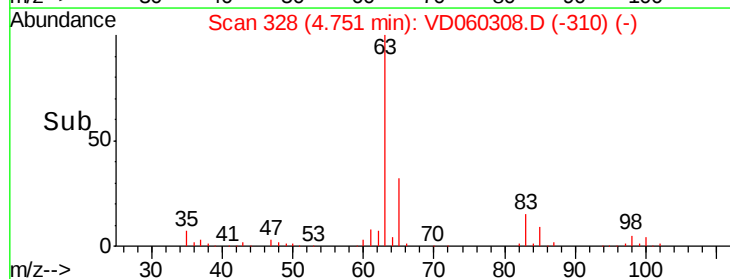
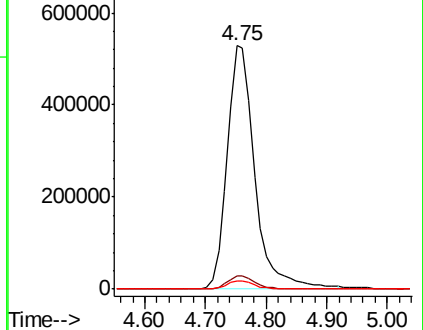
100 3.6 1.8 5.5

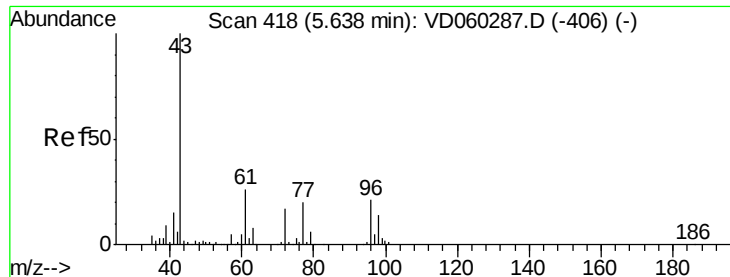


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 248.367 ug/l

RT: 5.62 min Scan# 416

Delta R.T. -0.02 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleId :

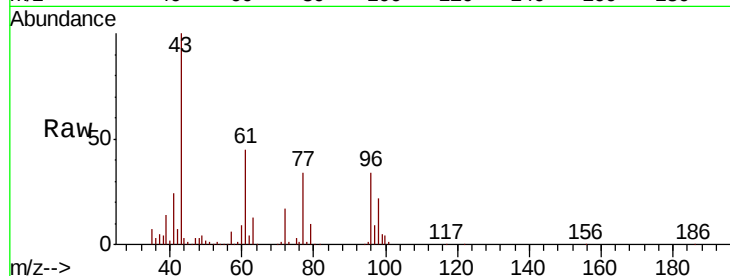
VSTDCCC050

Tot Ion: 43 Resp: 1137569

Ion Ratio Lower Upper

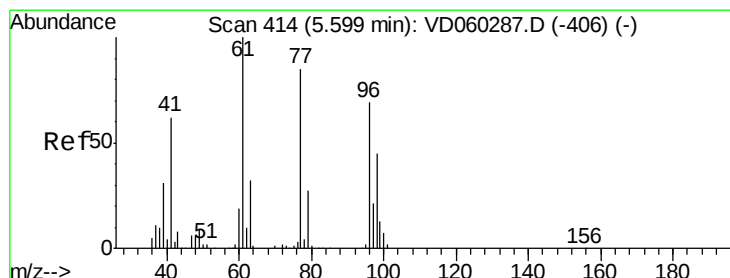
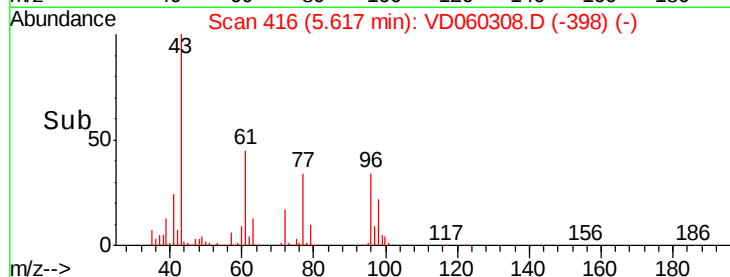
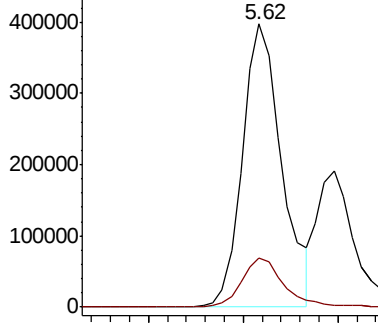
43 100

72 17.3 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.881 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.01 min

Lab File: VD060308.D

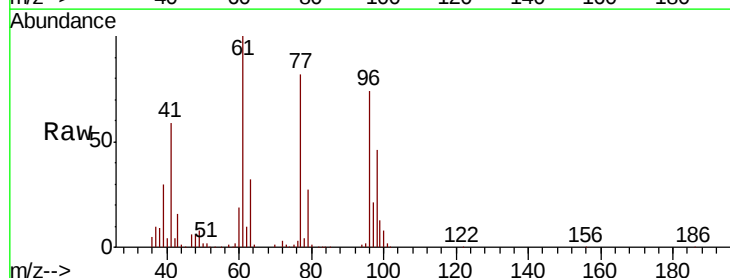
Acq: 9 Nov 2018 11:13

Tgt Ion: 77 Resp: 1354011

Ion Ratio Lower Upper

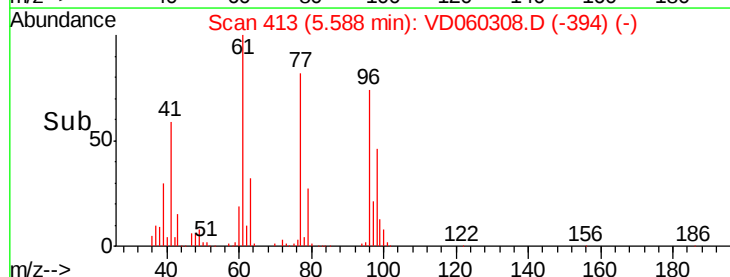
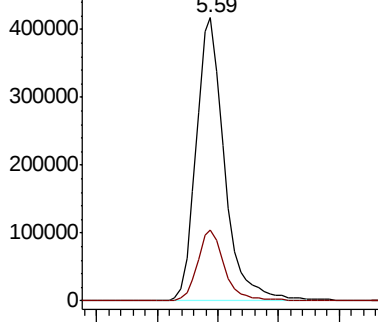
77 100

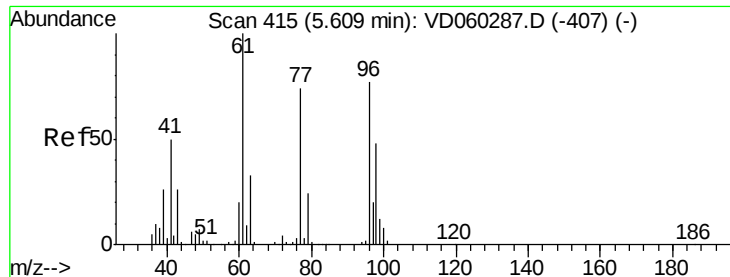
97 25.2 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 51.666 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.02 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

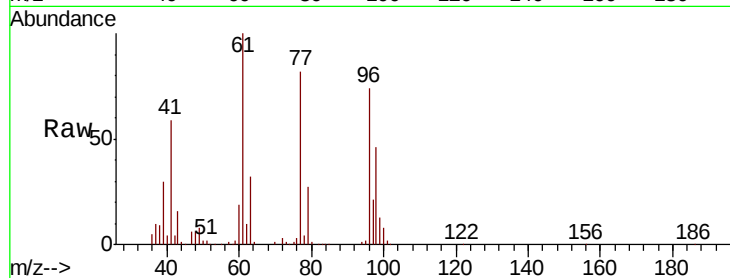
Tot Ion: 96 Resp: 1034582

Ion Ratio Lower Upper

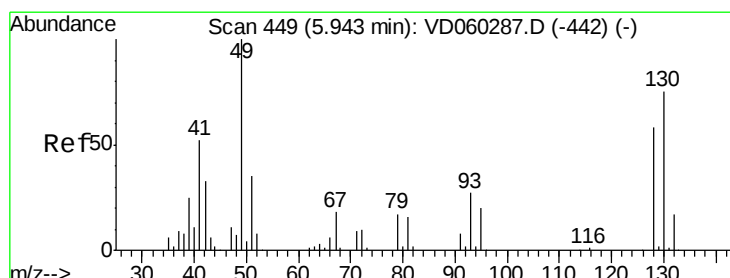
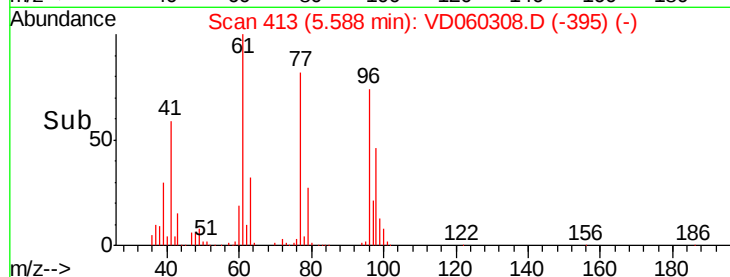
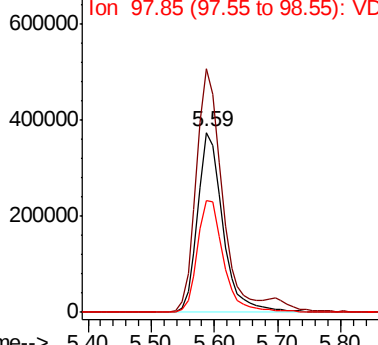
96 100

61 135.1 0.0 259.0

98 62.1 0.0 128.8



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



#28

Bromochloromethane

Concen: 48.841 ug/l

RT: 5.92 min Scan# 447

Delta R.T. -0.02 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

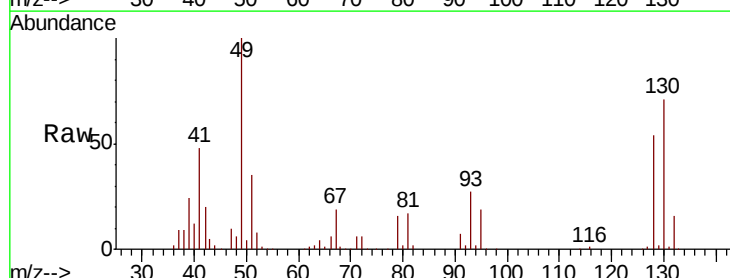
Tgt Ion: 49 Resp: 683862

Ion Ratio Lower Upper

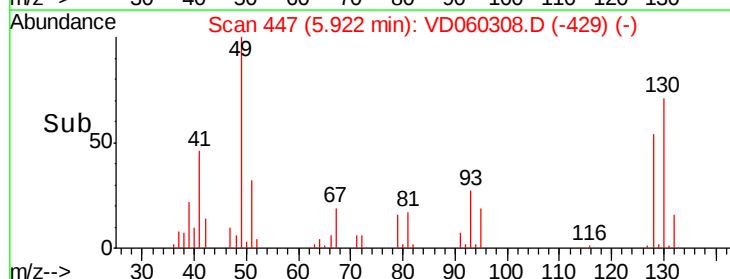
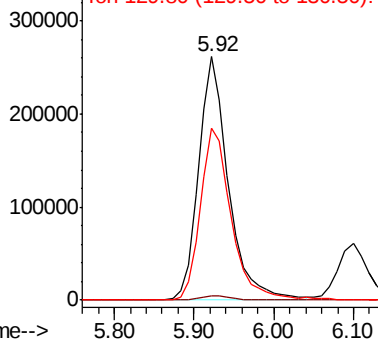
49 100

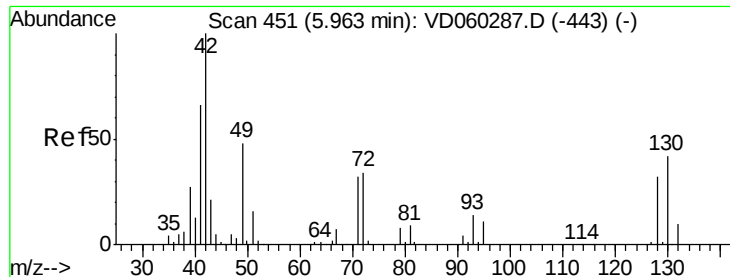
129 1.6 0.0 2.8

130 70.7 53.6 80.4



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 232.138 ug/l

RT: 5.95 min Scan# 450

Delta R.T. -0.01 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

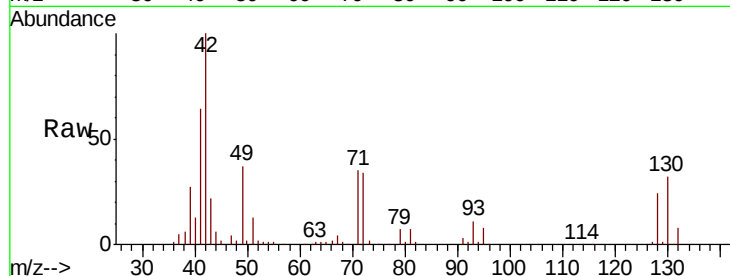
Tot Ion: 42 Resp: 560570

Ion Ratio Lower Upper

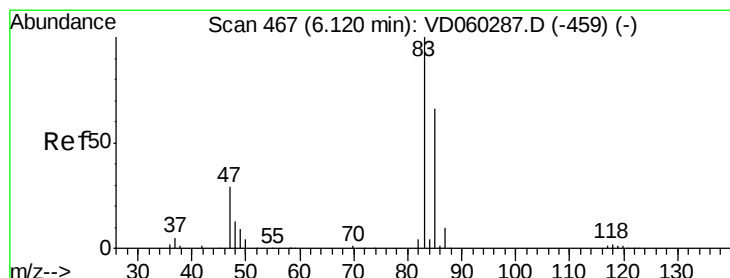
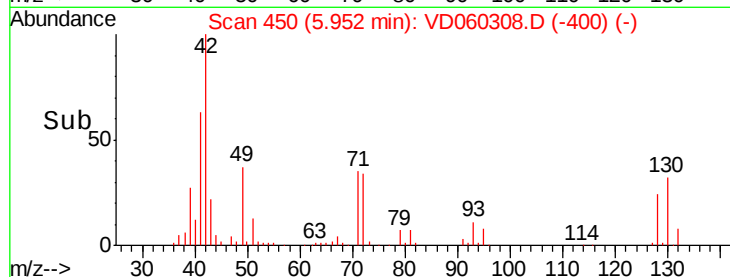
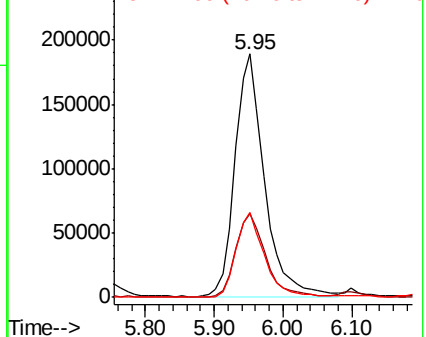
42 100

72 35.1 27.6 41.4

71 34.1 26.5 39.7



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



#30

Chloroform

Concen: 52.934 ug/l

RT: 6.10 min Scan# 465

Delta R.T. -0.02 min

Lab File: VD060308.D

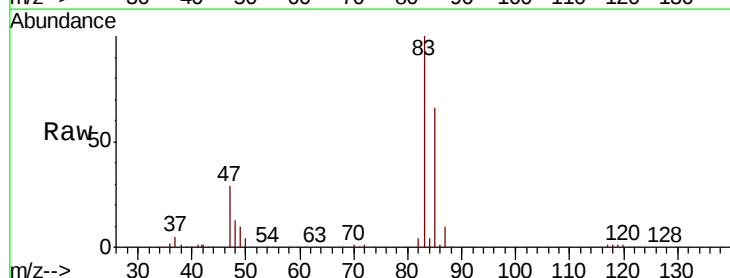
Acq: 9 Nov 2018 11:13

Tgt Ion: 83 Resp: 1679315

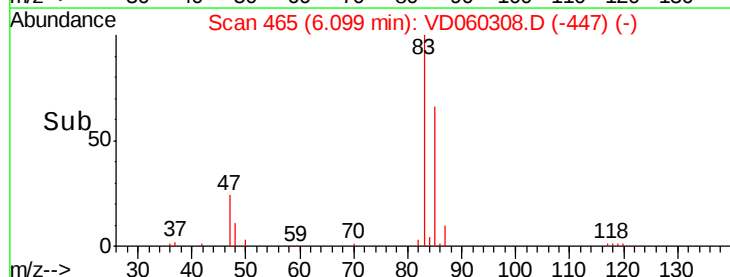
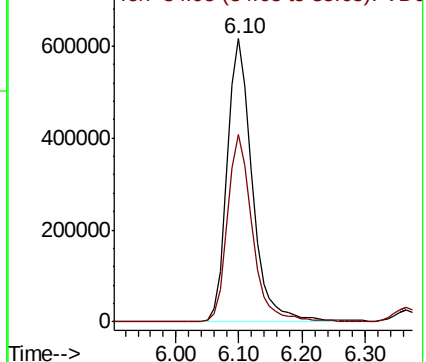
Ion Ratio Lower Upper

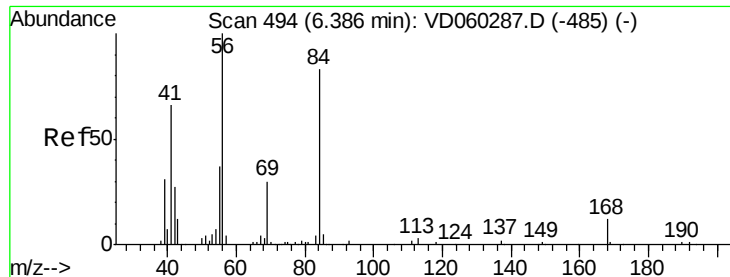
83 100

85 66.1 52.5 78.7



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

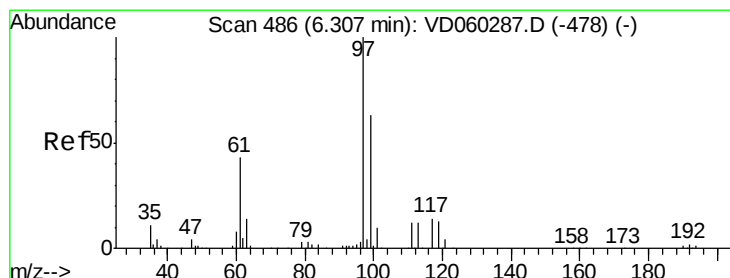
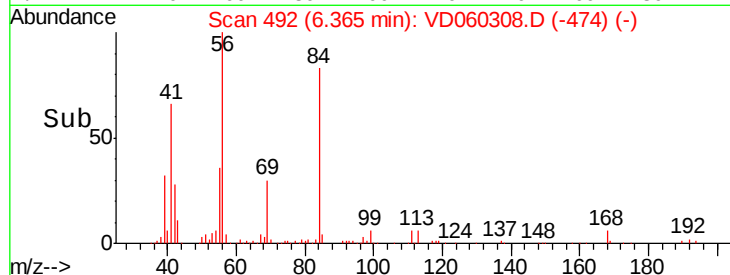
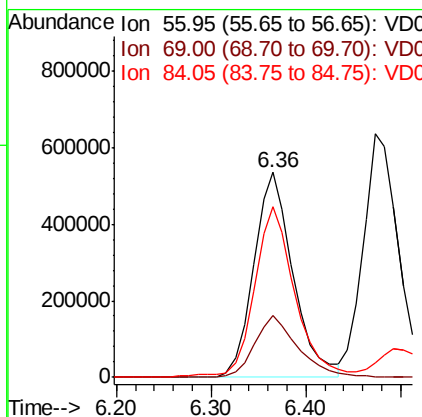
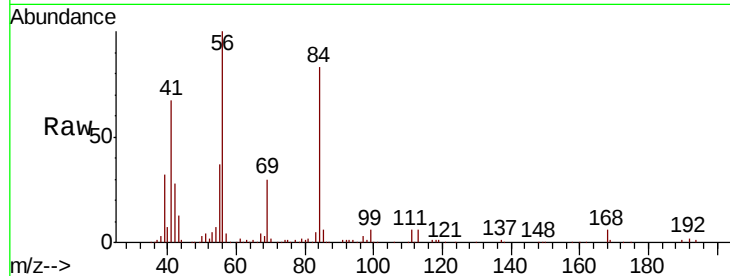




#31
Cyclohexane
Concen: 50.761 ug/l
RT: 6.36 min Scan# 492
Delta R.T. -0.02 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

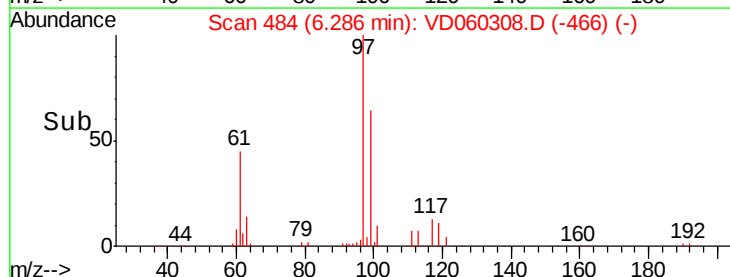
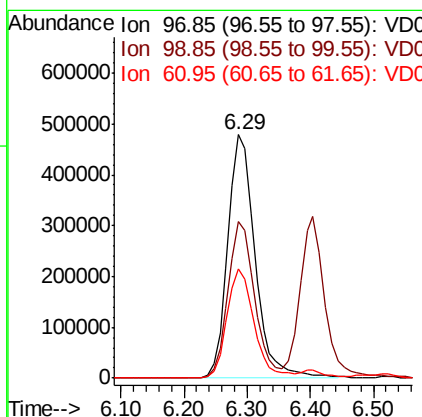
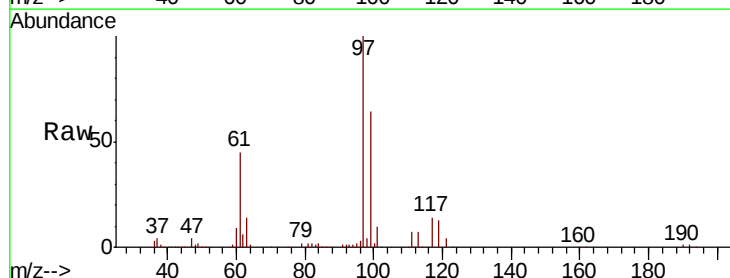
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

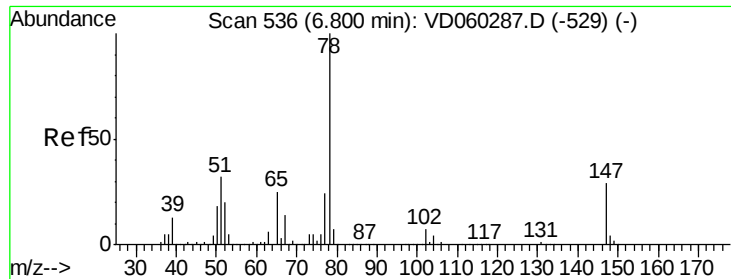
Tot Ion: 56 Resp: 1539628
Ion Ratio Lower Upper
56 100
69 29.9 22.2 33.2
84 83.3 63.0 94.4



#32
1,1,1-Trichloroethane
Concen: 53.596 ug/l
RT: 6.29 min Scan# 484
Delta R.T. -0.02 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

Tgt Ion: 97 Resp: 1432236
Ion Ratio Lower Upper
97 100
99 64.1 51.5 77.3
61 44.8 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 53.596 ug/l

RT: 6.78 min Scan# 534

Delta R.T. -0.02 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleId :

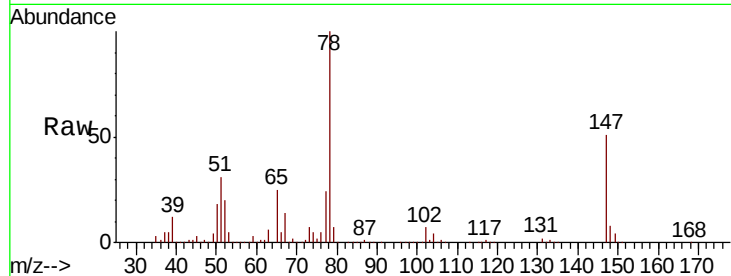
VSTDCCC050

Tot Ion: 65 Resp: 615623

Ion Ratio Lower Upper

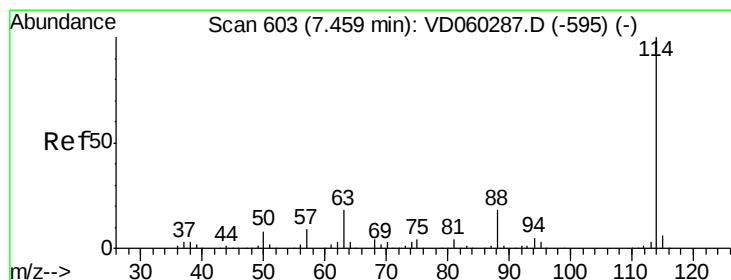
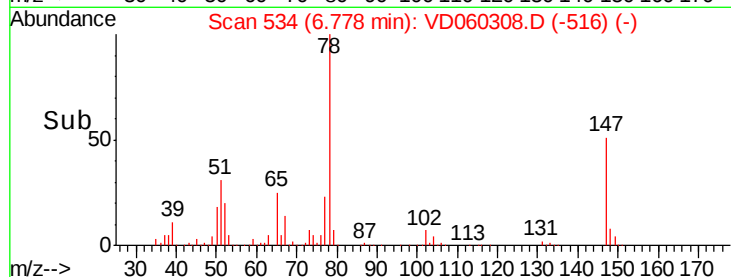
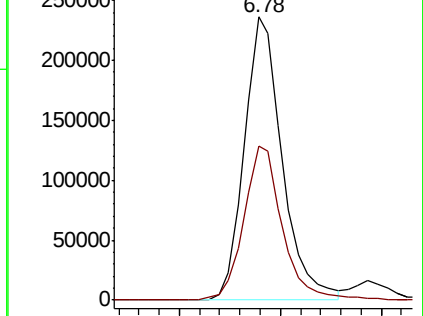
65 100

67 54.4 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. -0.02 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

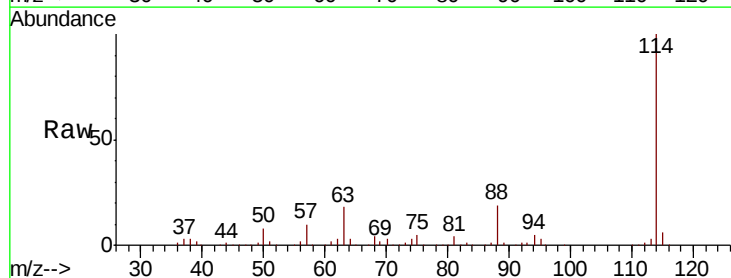
Tgt Ion: 114 Resp: 2465802

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.0

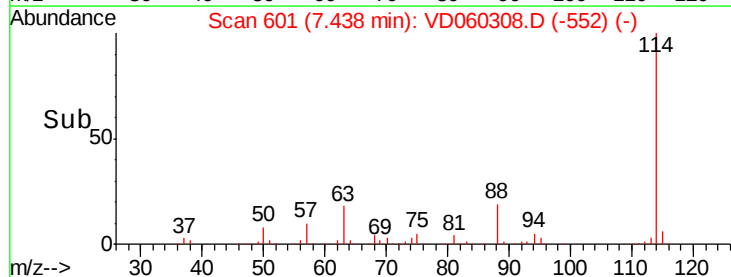
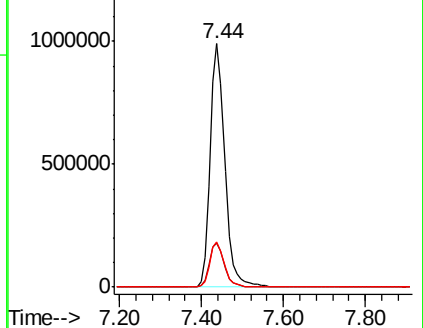
88 18.6 0.0 35.4

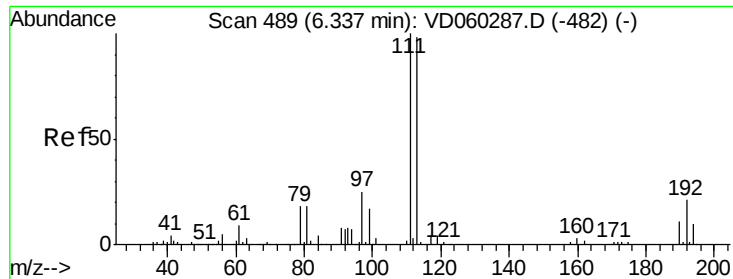


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

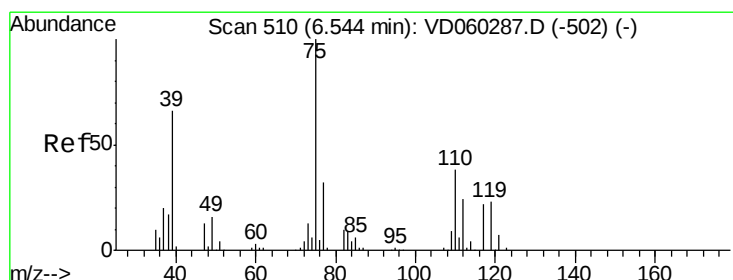
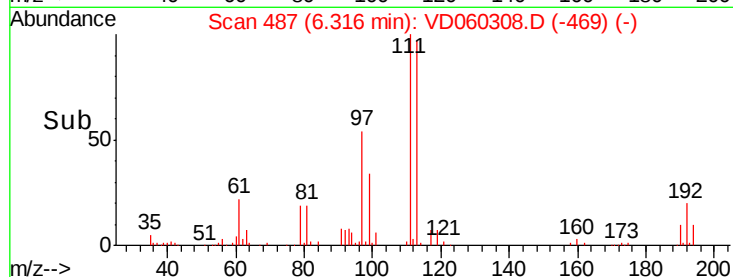
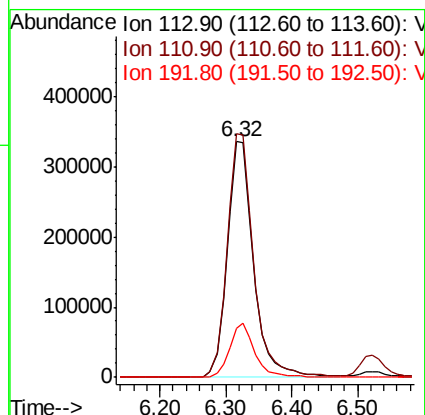
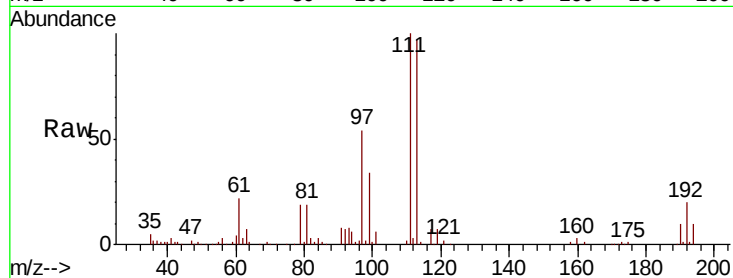




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.32 min Scan# 487
Delta R.T. -0.02 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

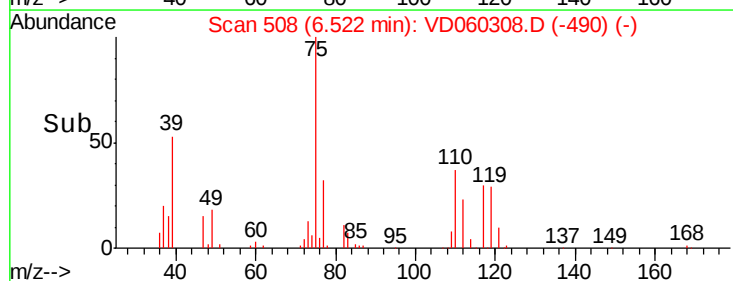
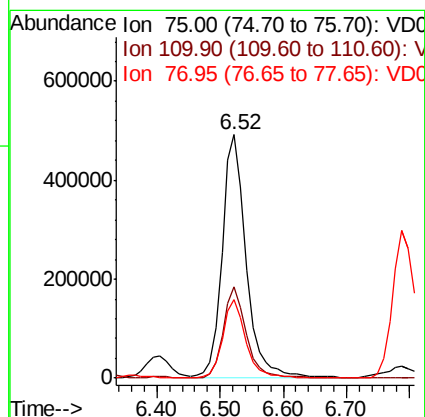
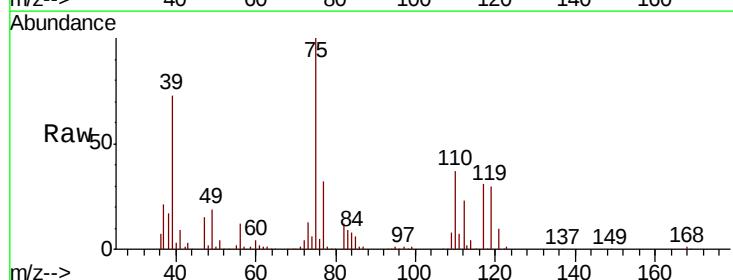
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

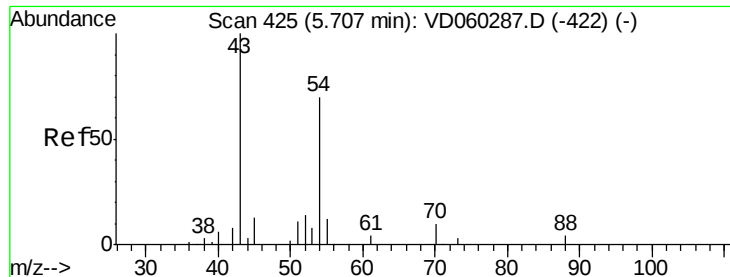
Tot Ion:113 Resp: 938728
Ion Ratio Lower Upper
113 100
111 103.4 81.6 122.4
192 21.1 16.5 24.7



#36
1,1-Dichloropropene
Concen: 52.759 ug/l
RT: 6.52 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

Tgt Ion: 75 Resp: 1285252
Ion Ratio Lower Upper
75 100
110 37.5 18.0 54.0
77 32.1 25.6 38.4

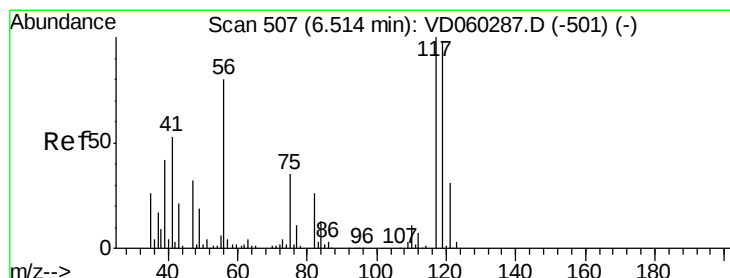
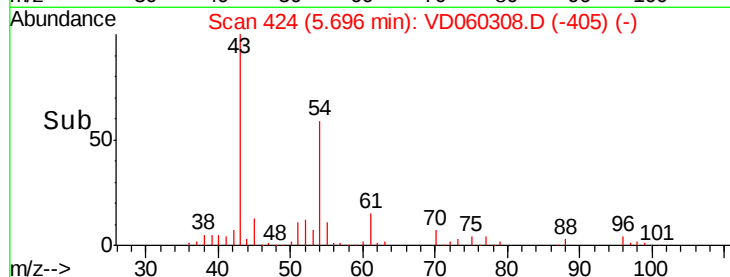
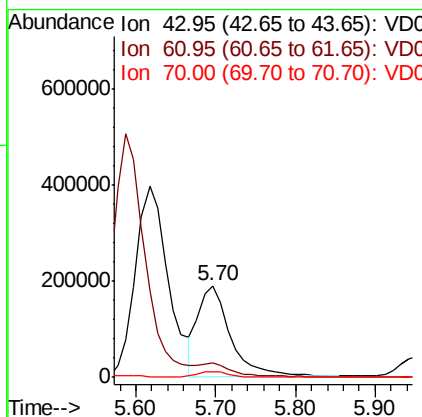
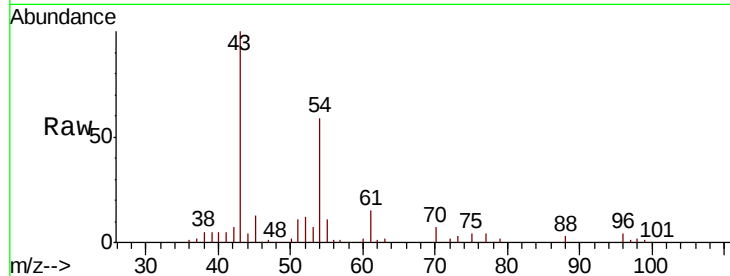




#37
Ethyl Acetate
Concen: 46.905 ug/l
RT: 5.70 min Scan# 424
Delta R.T. -0.01 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

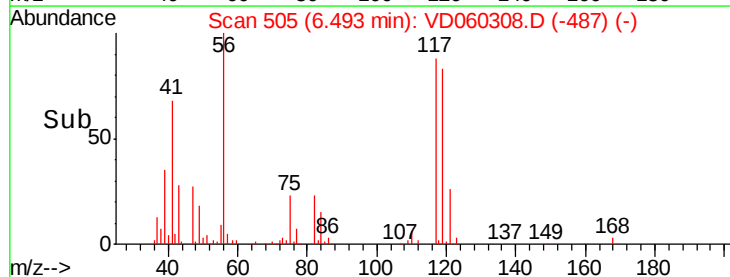
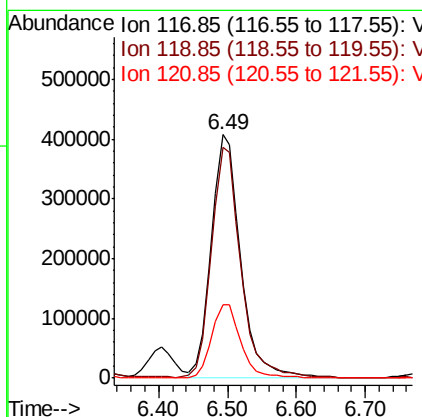
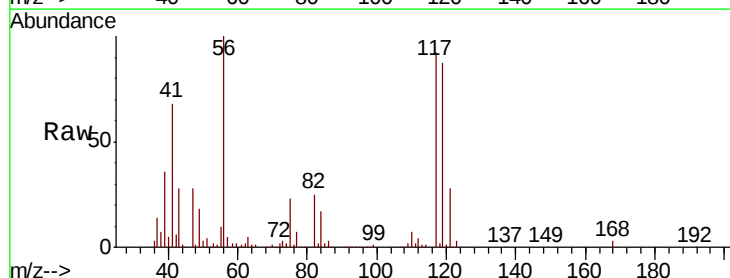
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

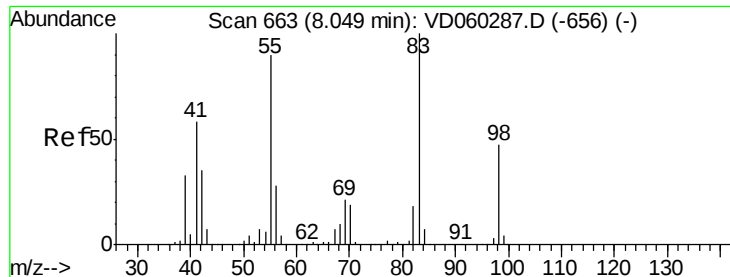
Tot Ion: 43 Resp: 525800
Ion Ratio Lower Upper
43 100
61 15.4 11.8 17.6
70 6.6 6.2 9.4



#38
Carbon Tetrachloride
Concen: 52.468 ug/l
RT: 6.49 min Scan# 505
Delta R.T. -0.02 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

Tgt Ion: 117 Resp: 1185685
Ion Ratio Lower Upper
117 100
119 94.8 76.6 115.0
121 30.1 24.3 36.5

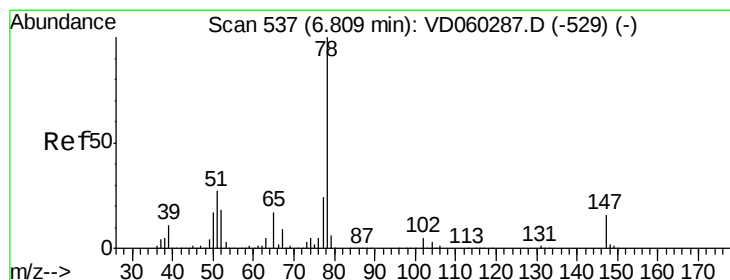
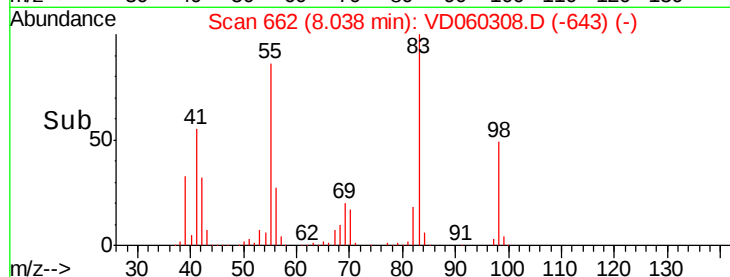
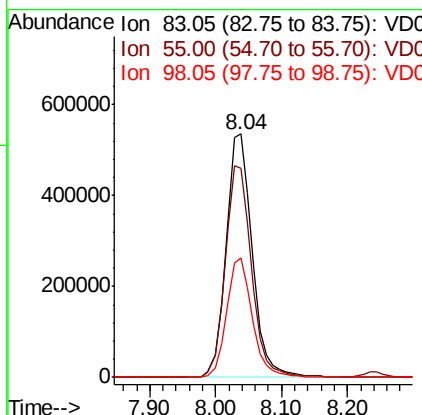
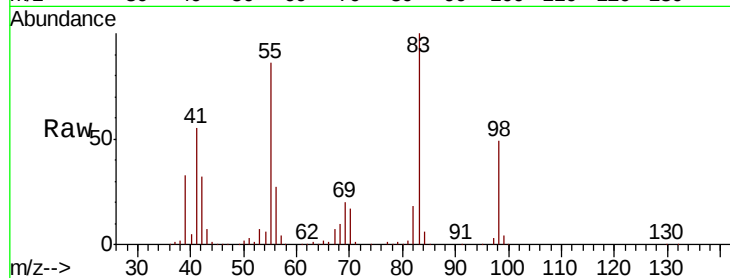




#39
Methvlcvclohexane
Concen: 53.219 ug/l
RT: 8.04 min Scan# 662
Delta R.T. -0.01 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

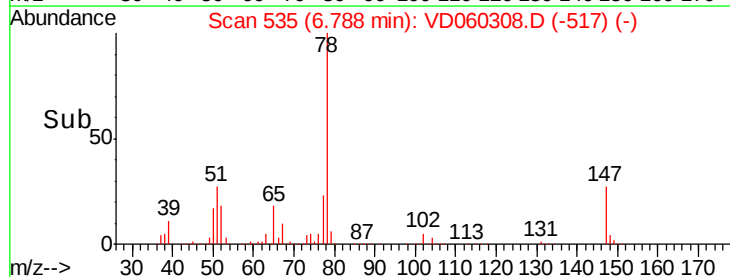
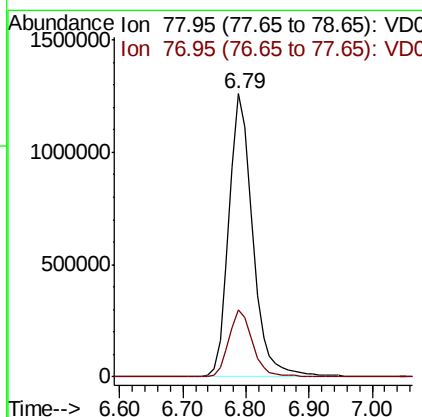
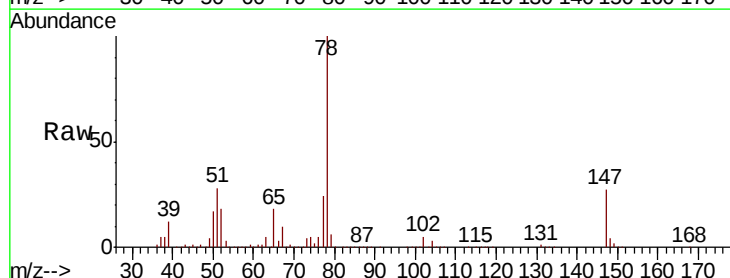
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

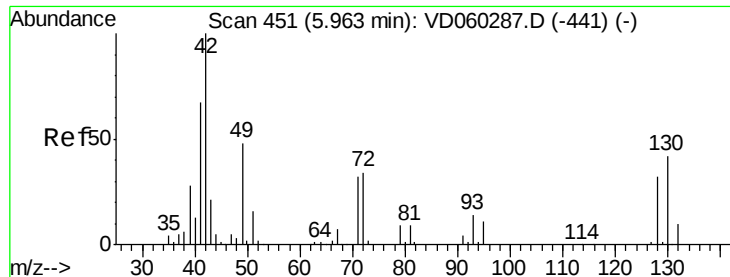
Tot Ion: 83 Resp: 1491158
Ion Ratio Lower Upper
83 100
55 85.9 71.2 106.8
98 48.9 38.4 57.6



#40
Benzene
Concen: 52.947 ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.02 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

Tgt Ion: 78 Resp: 3292480
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2





#41

Methacrylonitrile

Concen: 47.781 ug/l

RT: 5.93 min Scan# 448

Delta R.T. -0.03 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 613043

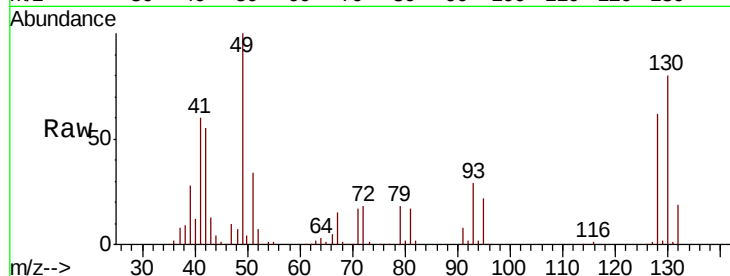
Ion Ratio Lower Upper

41 100

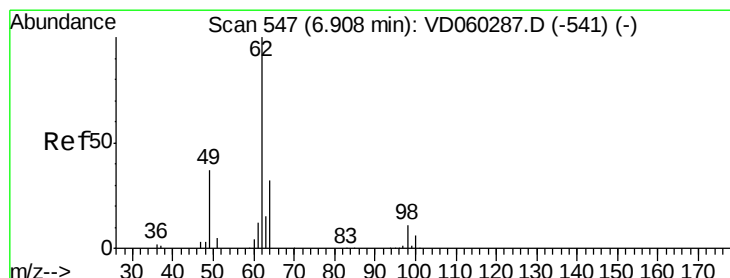
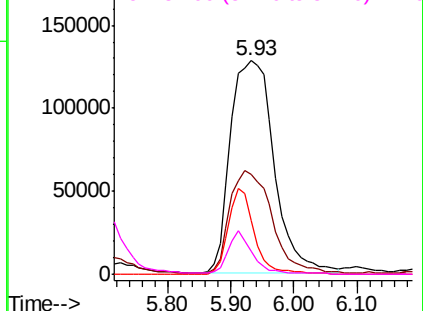
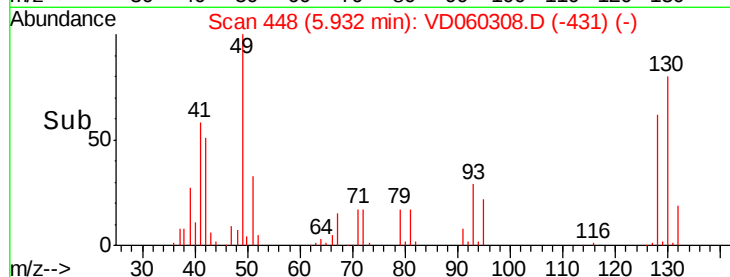
39 47.0 36.2 54.2

67 25.0 11.9 17.9#

52 10.9 5.2 7.8#



Abundance Ion 40.95 (40.65 to 41.65): VDC
 Ion 38.95 (38.65 to 39.65): VDC
 Ion 67.00 (66.70 to 67.70): VDC
 Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 50.732 ug/l

RT: 6.89 min Scan# 545

Delta R.T. -0.02 min

Lab File: VD060308.D

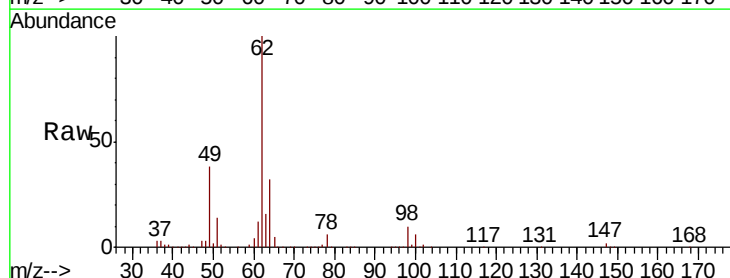
Acq: 9 Nov 2018 11:13

Tgt Ion: 62 Resp: 825737

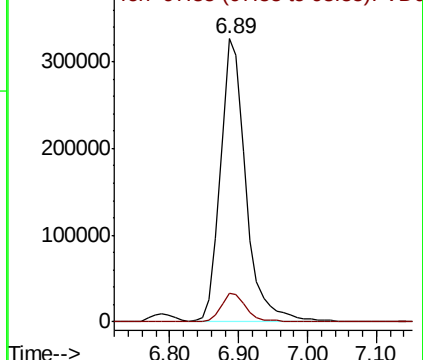
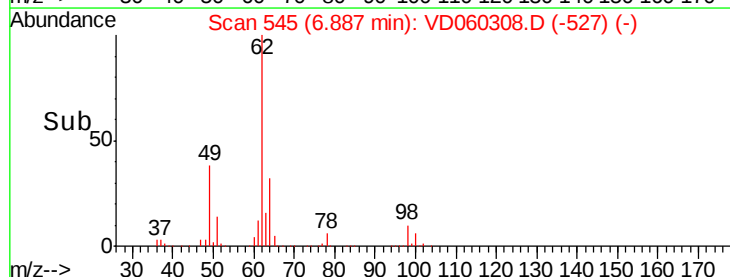
Ion Ratio Lower Upper

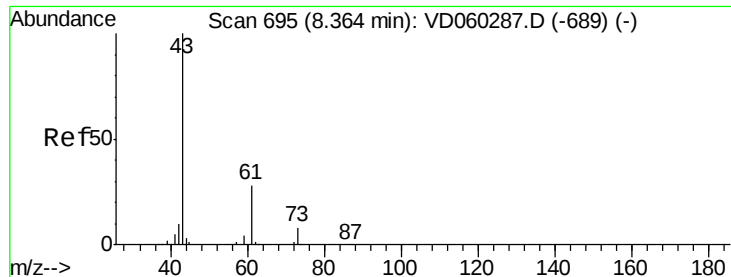
62 100

98 10.0 0.0 22.0



Abundance Ion 61.95 (61.65 to 62.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 49.717 ug/l

RT: 8.34 min Scan# 693

Delta R.T. -0.02 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

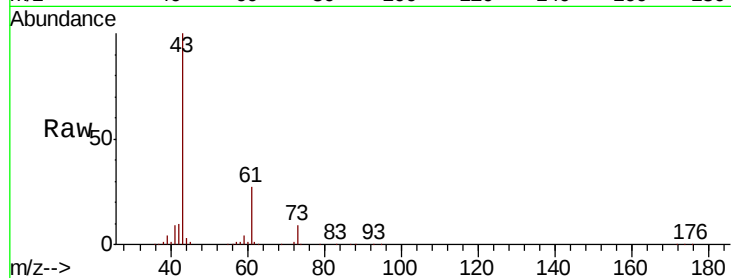
Tot Ion: 43 Resp: 700067

Ion Ratio Lower Upper

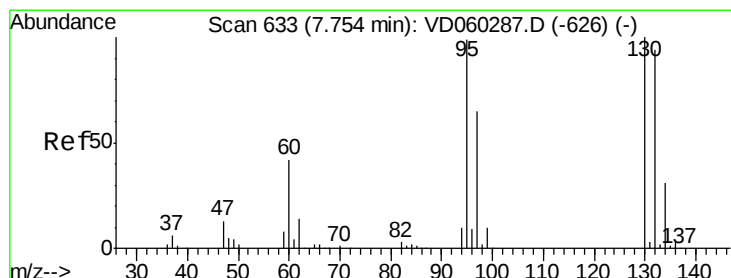
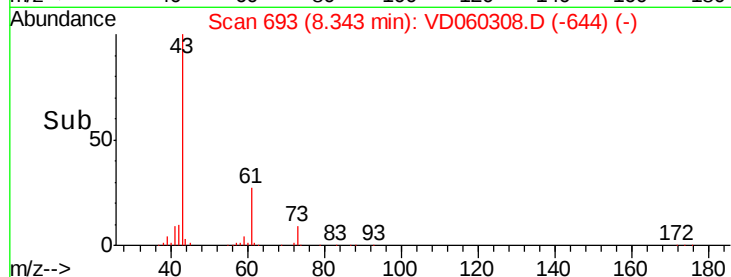
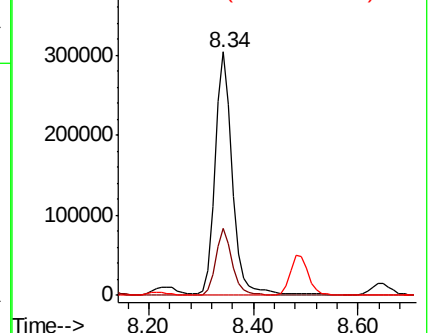
43 100

61 27.4 22.3 33.5

87 0.2 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: 54.933 ug/l

RT: 7.73 min Scan# 631

Delta R.T. -0.02 min

Lab File: VD060308.D

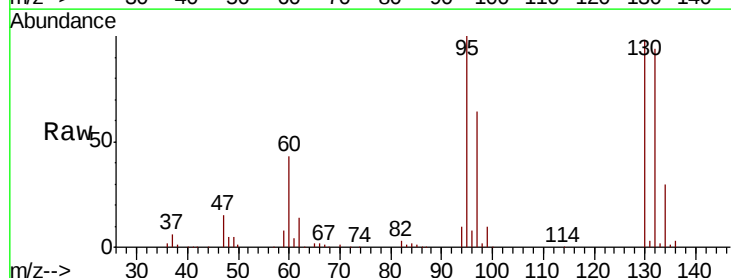
Acq: 9 Nov 2018 11:13

Tgt Ion:130 Resp: 1035498

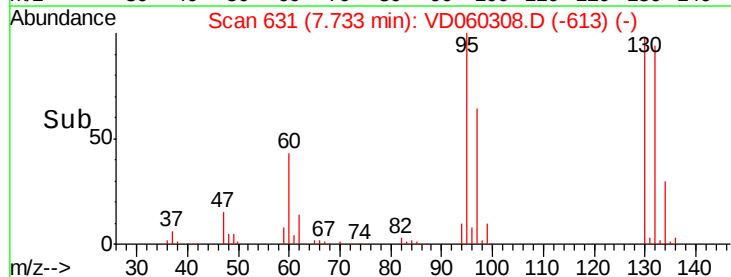
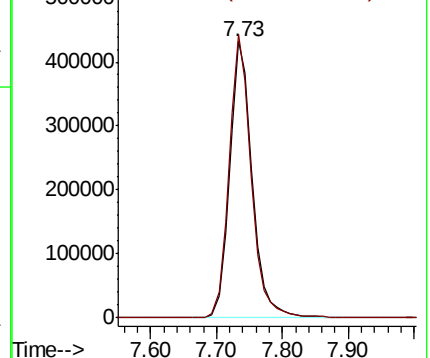
Ion Ratio Lower Upper

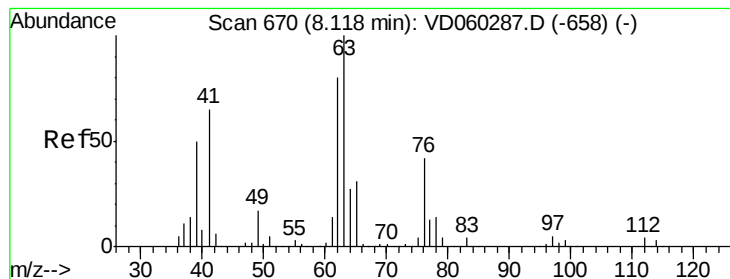
130 100

95 102.4 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: 52.774 ug/l

RT: 8.10 min Scan# 668

Delta R.T. -0.02 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleId :

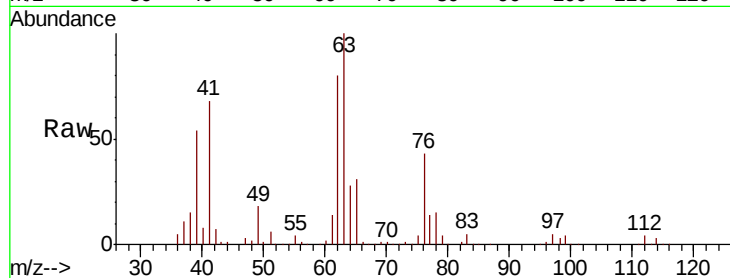
VSTDCCC050

Tot Ion: 63 Resp: 827649

Ion Ratio Lower Upper

63 100

65 30.9 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.10

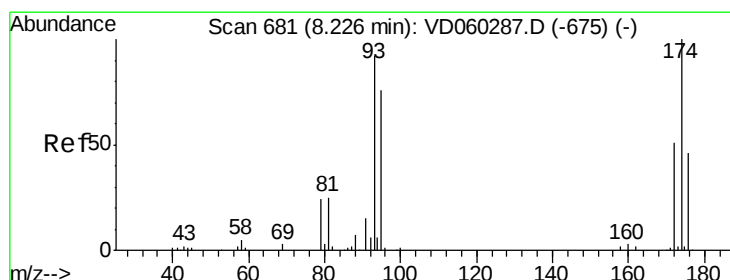
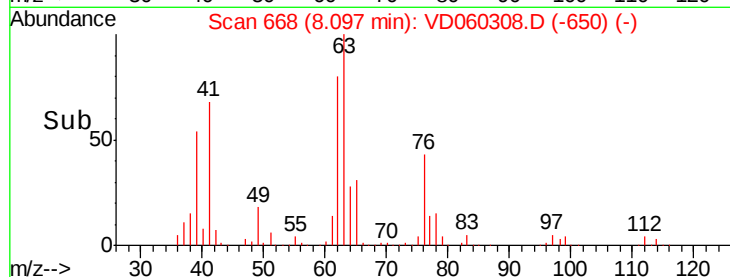
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 50.628 ug/l

RT: 8.22 min Scan# 680

Delta R.T. -0.01 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

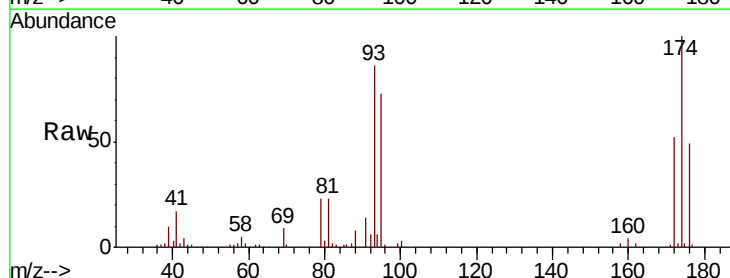
Tgt Ion: 93 Resp: 465028

Ion Ratio Lower Upper

93 100

95 84.5 66.4 99.6

174 116.4 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

300000

250000

200000

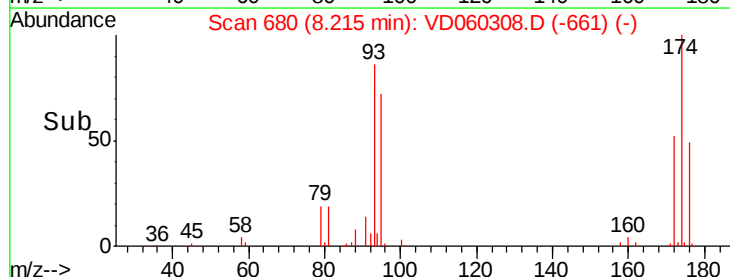
150000

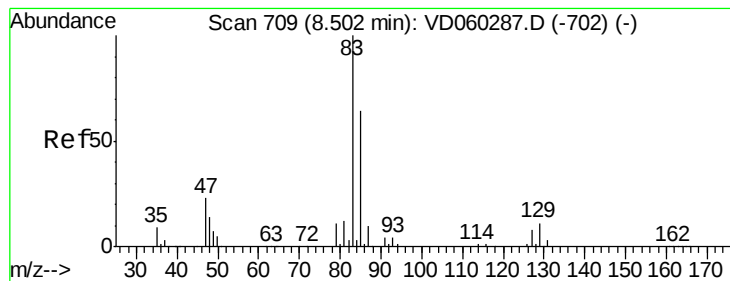
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 53.189 ug/l

RT: 8.48 min Scan# 707

Delta R.T. -0.02 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

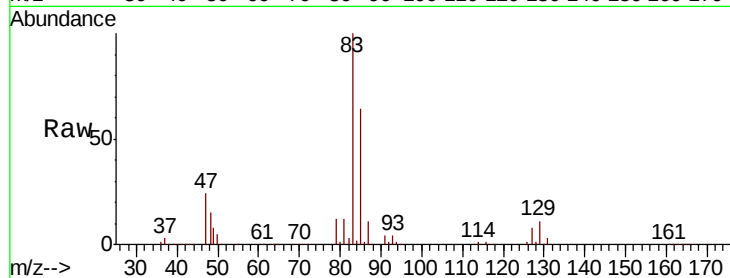
Tot Ion: 83 Resp: 1151268

Ion Ratio Lower Upper

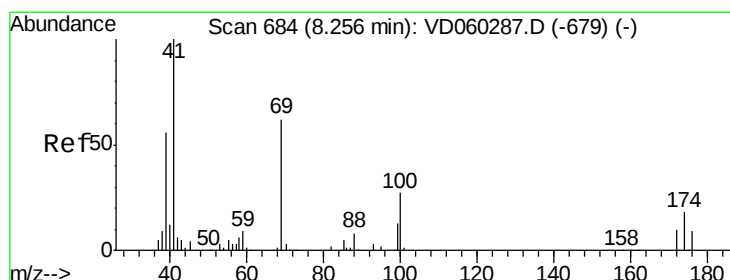
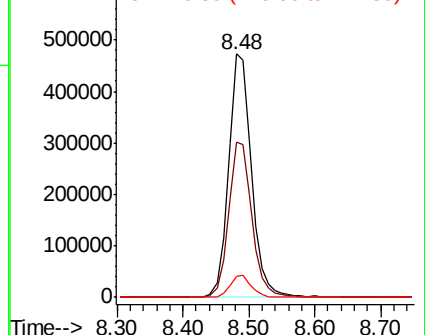
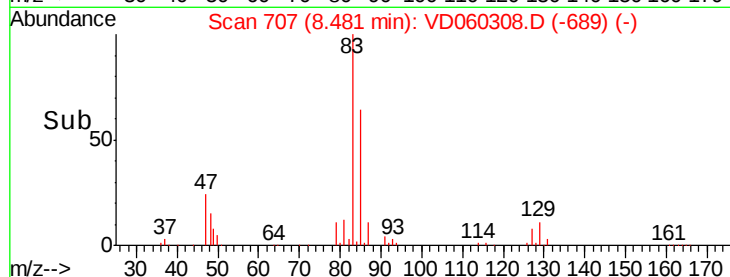
83 100

85 63.9 51.0 76.6

127 8.4 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: 49.618 ug/l

RT: 8.24 min Scan# 683

Delta R.T. -0.01 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

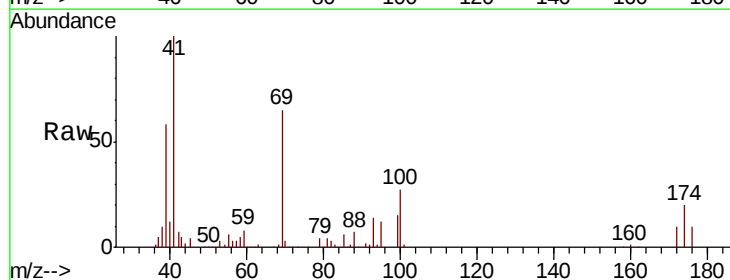
Tgt Ion: 41 Resp: 424394

Ion Ratio Lower Upper

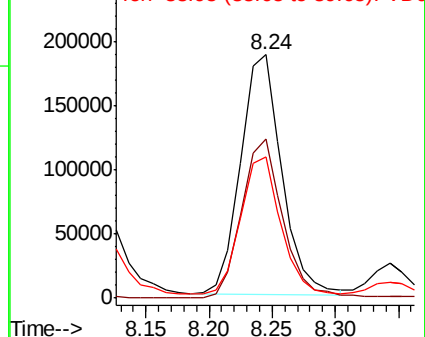
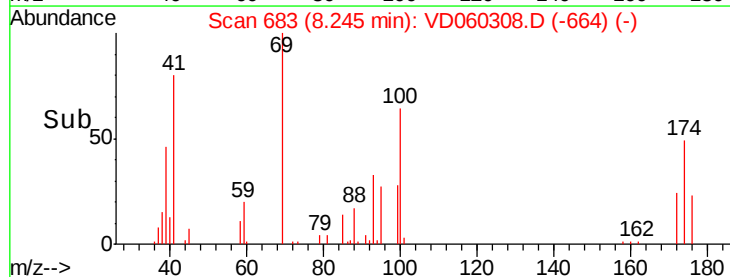
41 100

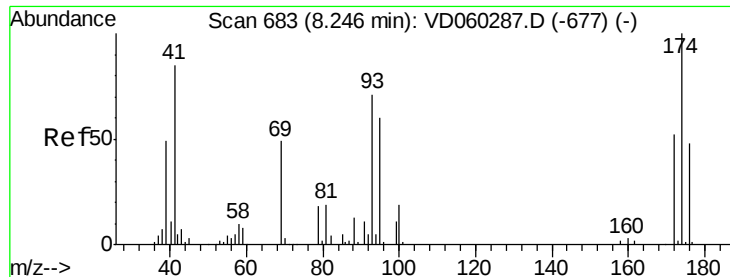
69 65.3 47.0 70.4

39 57.8 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

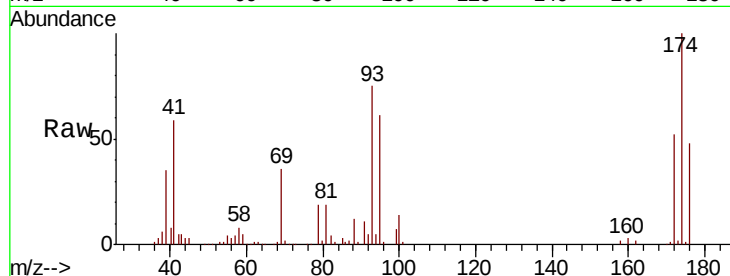




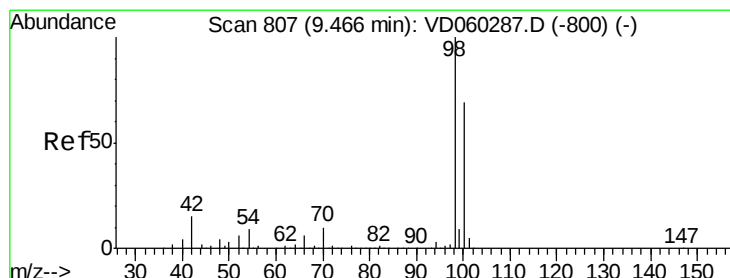
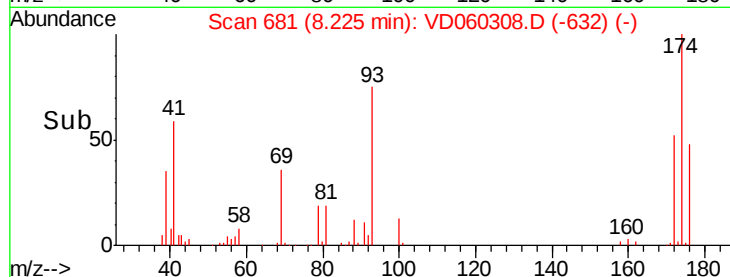
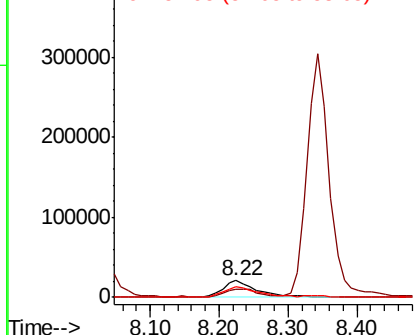
#49
1,4-Dioxane
Concen: 988.963 ug/l
RT: 8.22 min Scan# 681
Delta R.T. -0.02 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 73188
Ion Ratio Lower Upper
88 100
43 46.4 39.7 59.5
58 66.1 60.2 90.2

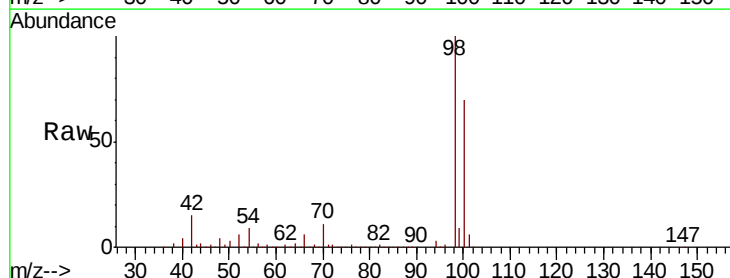


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

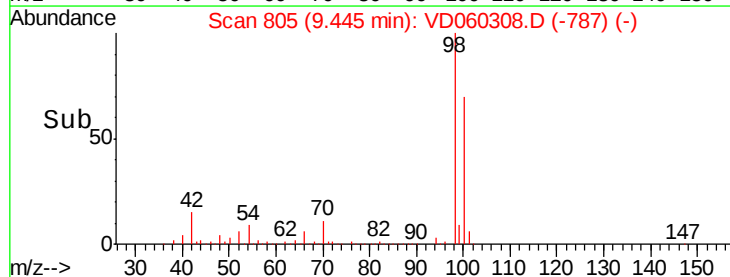
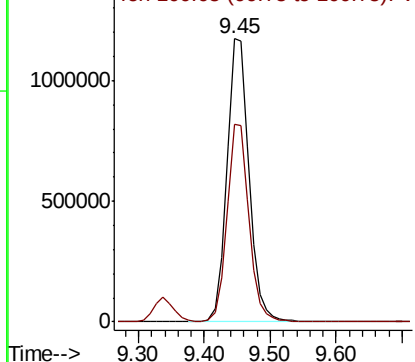


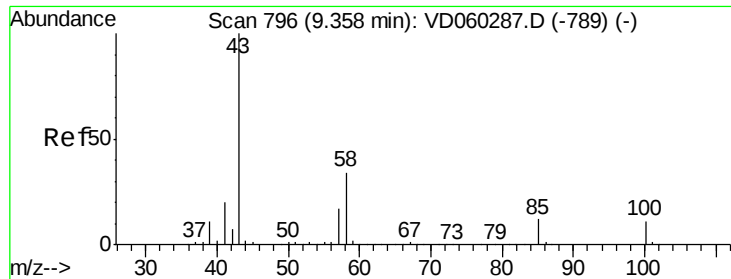
#50
Toluene-d8
Concen: 988.963 ug/l
RT: 9.45 min Scan# 805
Delta R.T. -0.02 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

Tgt Ion: 98 Resp: 2762200
Ion Ratio Lower Upper
98 100
100 69.9 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: 236.297 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.02 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleId :

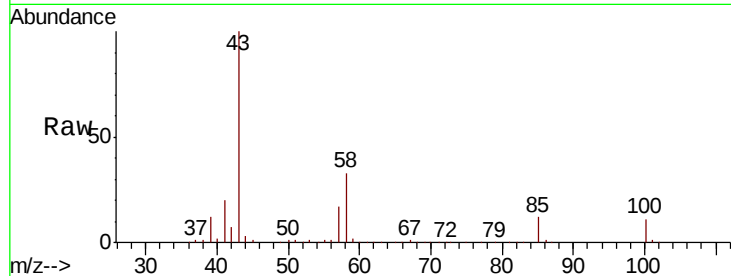
VSTDCCC050

Tot Ion: 43 Resp: 2165633

Ion Ratio Lower Upper

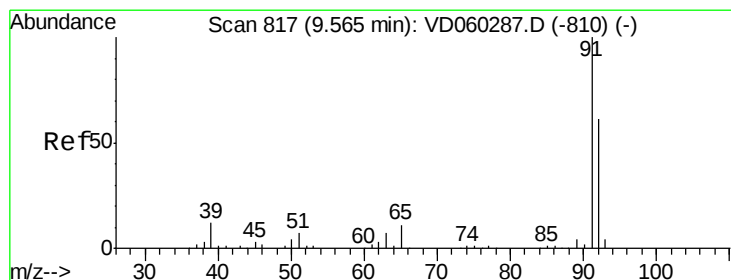
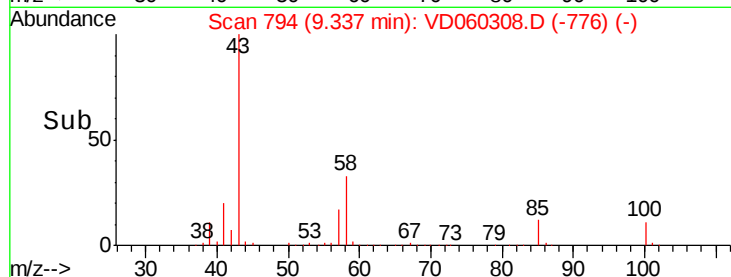
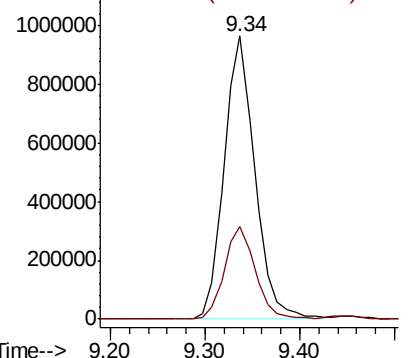
43 100

58 32.8 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: 51.995 ug/l

RT: 9.54 min Scan# 815

Delta R.T. -0.02 min

Lab File: VD060308.D

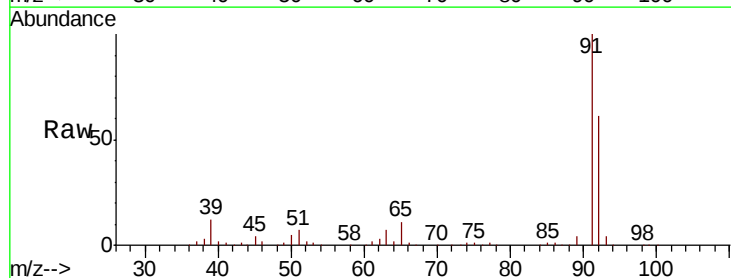
Acq: 9 Nov 2018 11:13

Tgt Ion: 92 Resp: 2065363

Ion Ratio Lower Upper

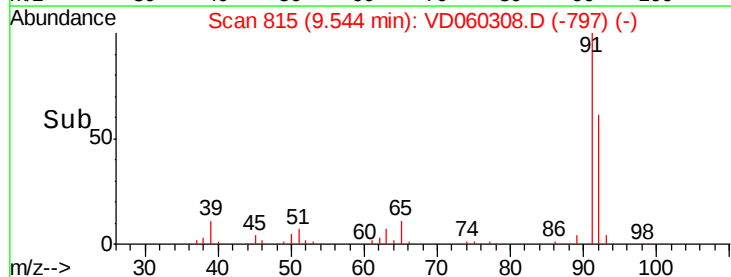
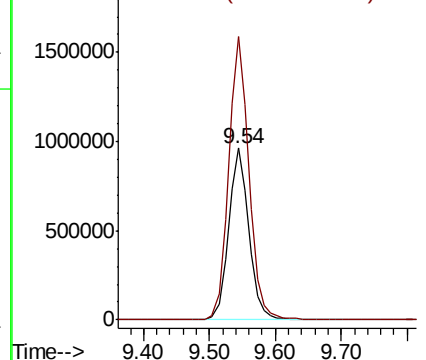
92 100

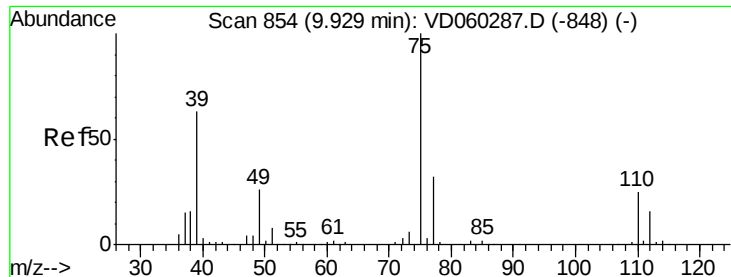
91 164.7 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

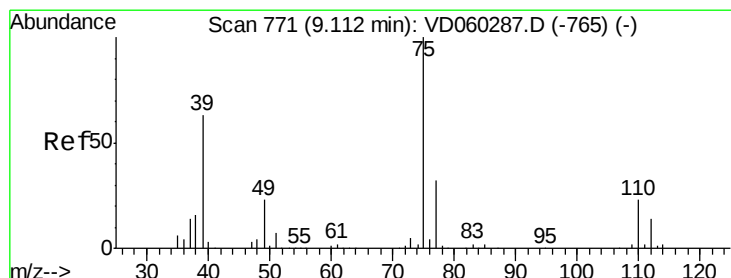
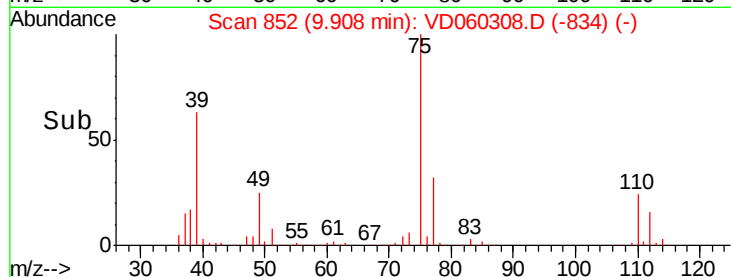
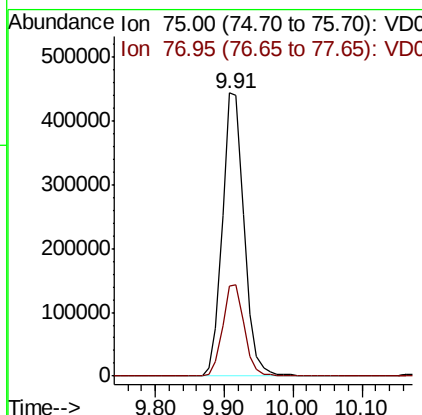
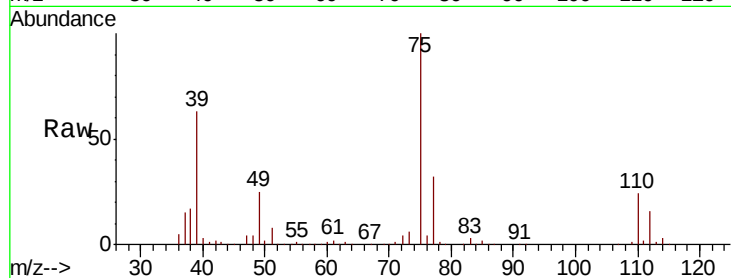




#53
 t-1,3-Dichloropropene
 Concen: 52.899 ug/l
 RT: 9.91 min Scan# 852
 Delta R.T. -0.02 min
 Lab File: VD060308.D
 Acq: 9 Nov 2018 11:13

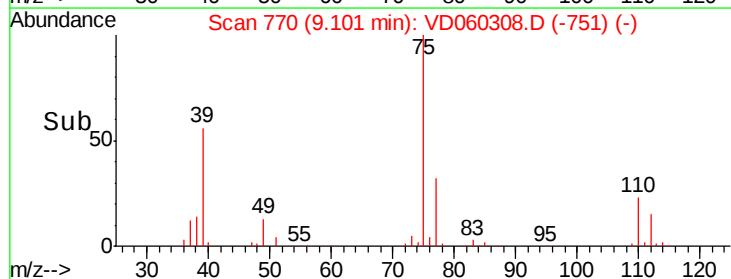
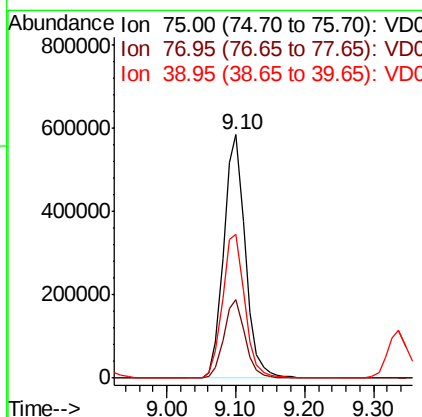
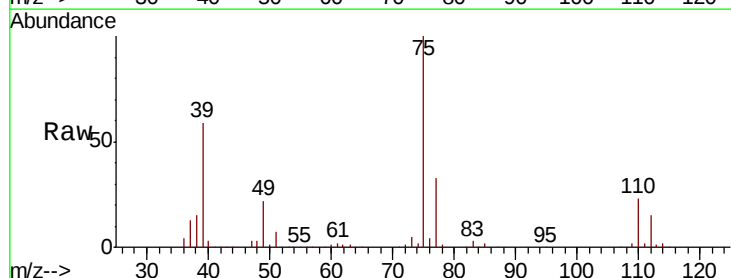
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

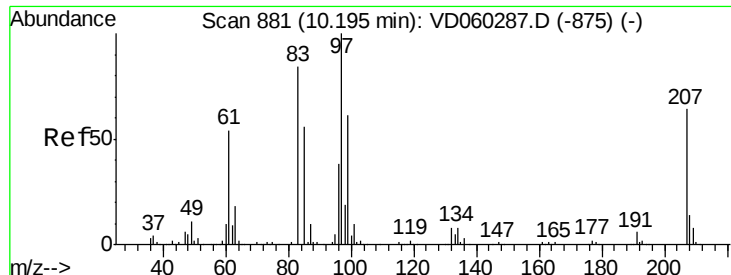
Tot Ion: 75 Resp: 967438
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 54.000 ug/l
 RT: 9.10 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: VD060308.D
 Acq: 9 Nov 2018 11:13

Tgt Ion: 75 Resp: 1266661
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.3 39.5
 39 59.0 50.8 76.2





#55

1,1,2-Trichloroethane

Concen: 48.570 ug/l

RT: 10.17 min Scan# 879

Delta R.T. -0.02 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 559190

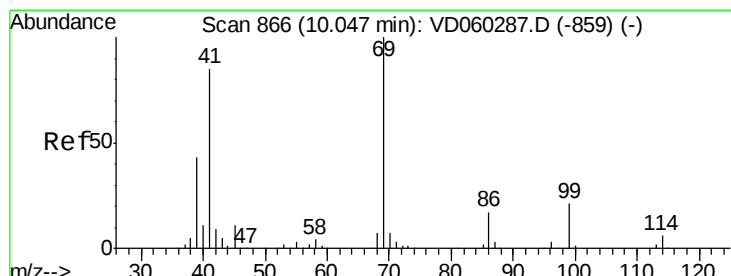
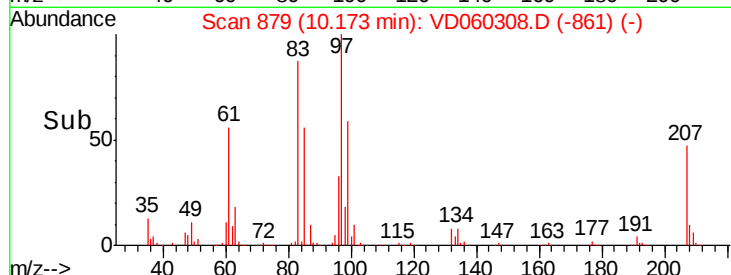
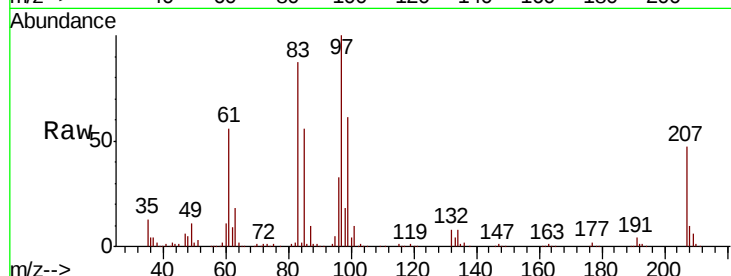
Ion	Ratio	Lower	Upper
97	100		
83	87.3	68.4	102.6
85	56.3	46.8	70.2
99	60.6	49.5	74.3

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: 50.899 ug/l

RT: 10.03 min Scan# 864

Delta R.T. -0.02 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

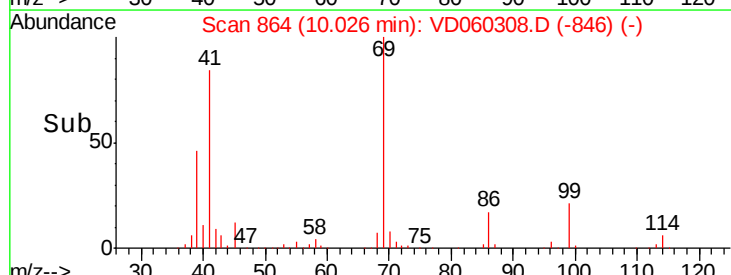
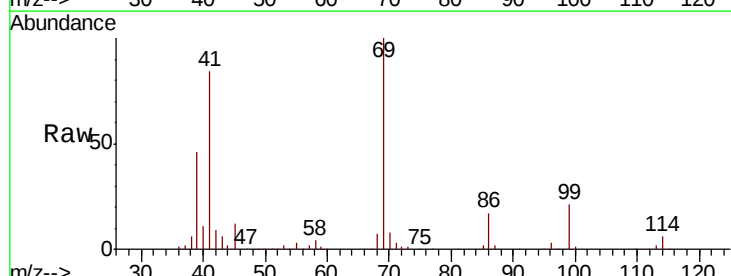
Tgt Ion: 69 Resp: 538801

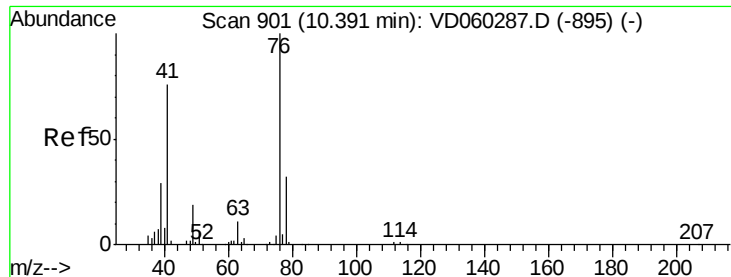
Ion	Ratio	Lower	Upper
69	100		
41	84.3	69.0	103.4
39	46.2	36.6	54.8

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: 50.269 ug/l

RT: 10.38 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleId :

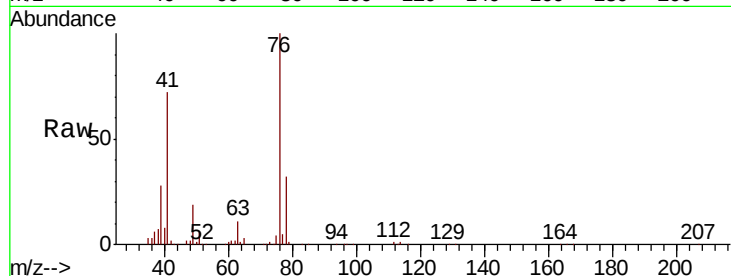
VSTDCCC050

Tot Ion: 76 Resp: 881884

Ion Ratio Lower Upper

76 100

78 32.1 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.38

400000

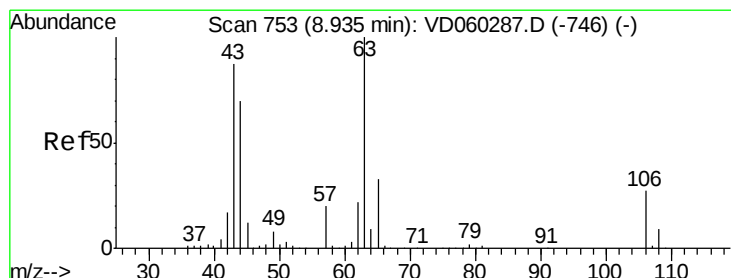
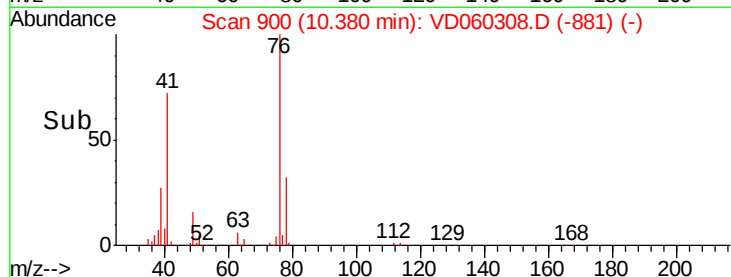
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 235.569 ug/l

RT: 8.91 min Scan# 751

Delta R.T. -0.02 min

Lab File: VD060308.D

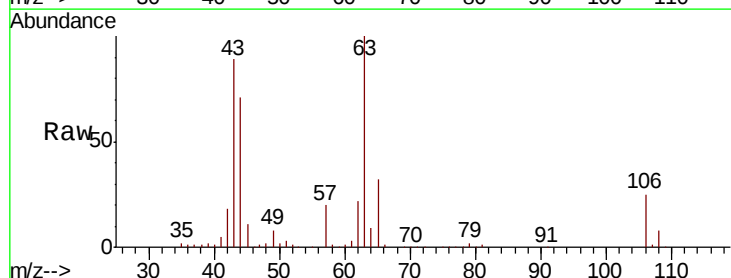
Acq: 9 Nov 2018 11:13

Tgt Ion: 63 Resp: 1507778

Ion Ratio Lower Upper

63 100

106 25.4 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.91

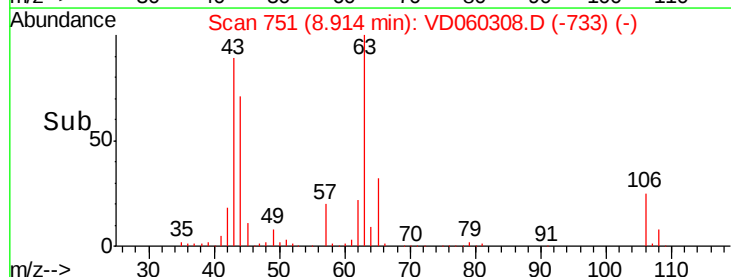
600000

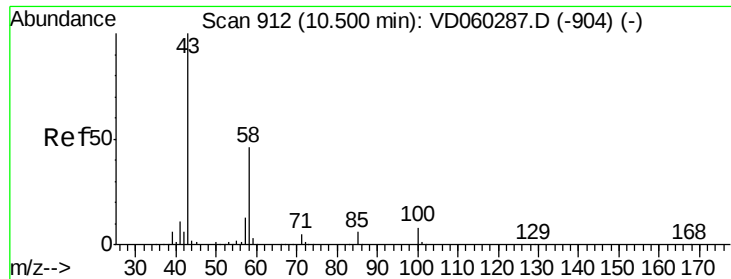
400000

200000

0

Time-->

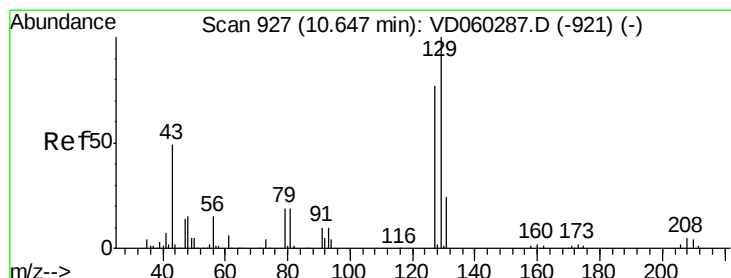
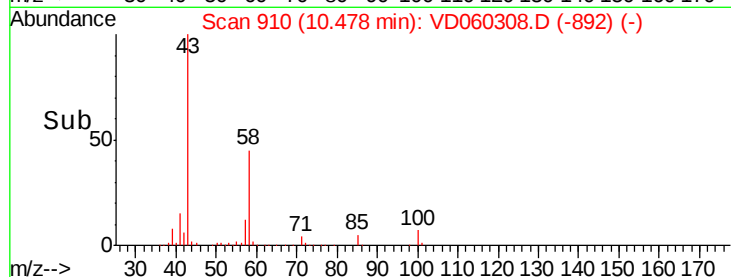
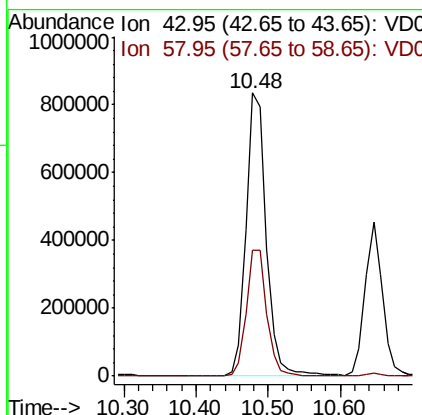
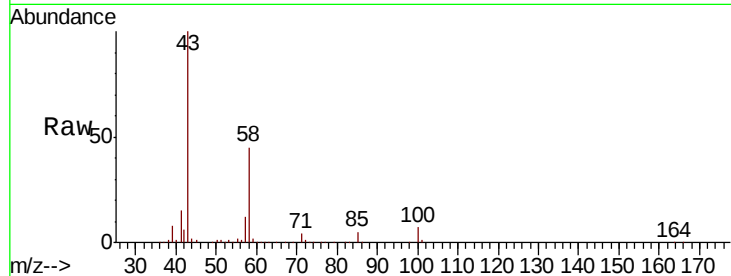




#59
2-Hexanone
Concen: 250.993 ug/l
RT: 10.48 min Scan# 910
Delta R.T. -0.02 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

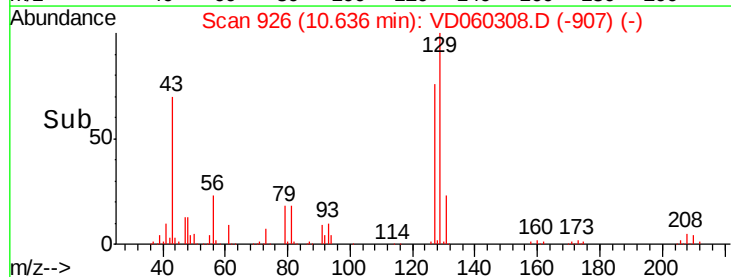
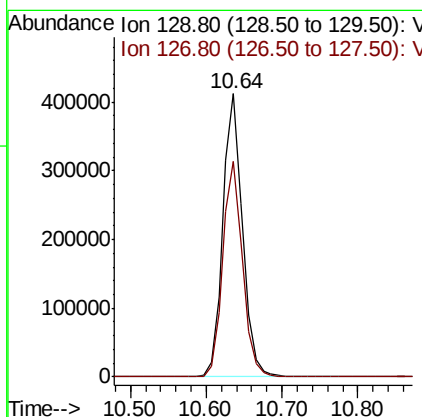
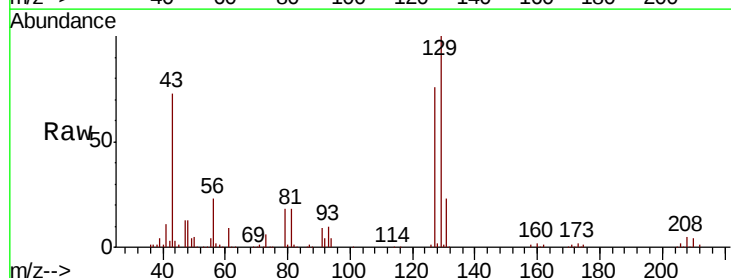
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

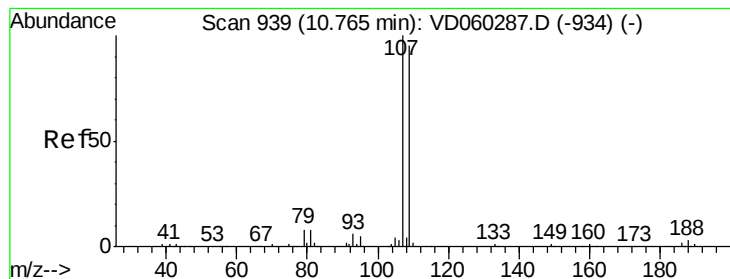
Tot Ion: 43 Resp: 1639522
Ion Ratio Lower Upper
43 100
58 44.6 22.9 68.5



#60
Dibromochloromethane
Concen: 52.948 ug/l
RT: 10.64 min Scan# 926
Delta R.T. -0.01 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

Tgt Ion: 129 Resp: 741020
Ion Ratio Lower Upper
129 100
127 76.0 38.9 116.6





#61

1,2-Dibromoethane

Concen: 50.611 ug/l

RT: 10.75 min Scan# 938

Delta R.T. -0.01 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleId :

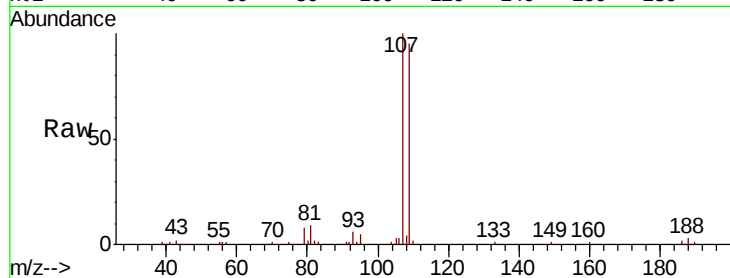
VSTDCCC050

Tot Ion:107 Resp: 583822

Ion Ratio Lower Upper

107 100

109 95.5 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

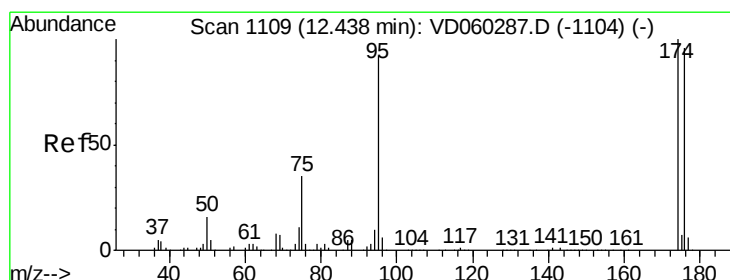
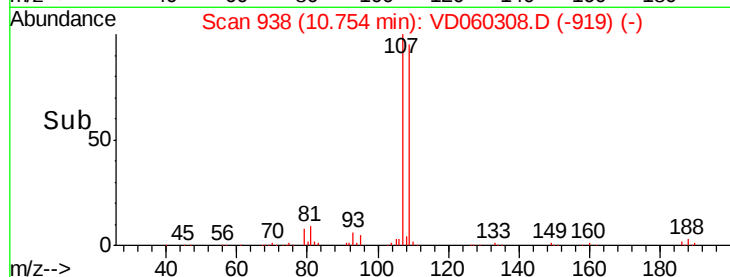
300000

200000

100000

0

Time--> 10.60 10.70 10.80 10.90



#62

4-Bromofluorobenzene

Concen: 50.611 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

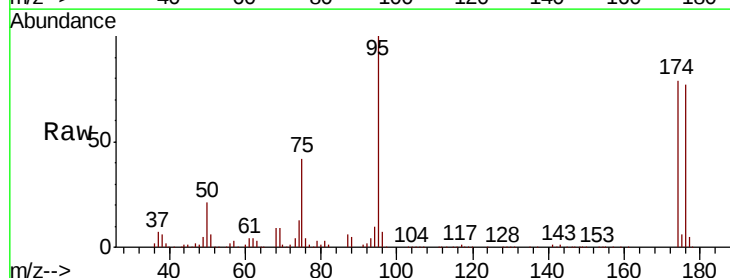
Tgt Ion: 95 Resp: 967931

Ion Ratio Lower Upper

95 100

174 79.0 0.0 160.8

176 77.1 0.0 154.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

800000

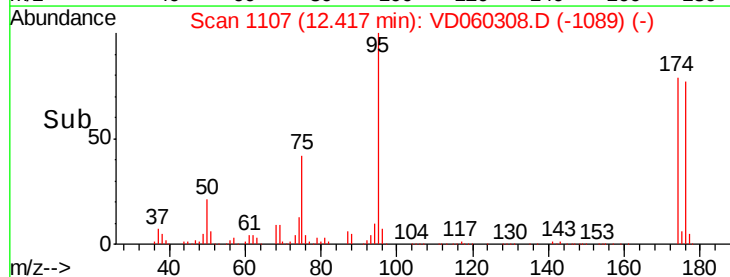
600000

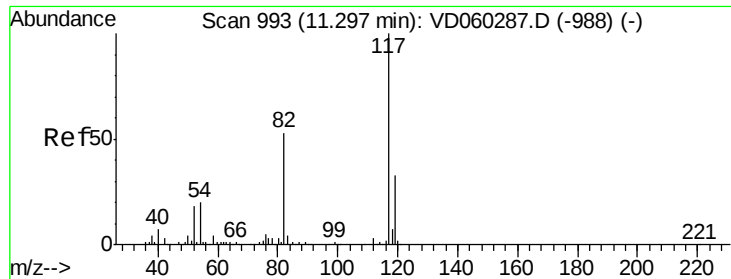
400000

200000

0

Time--> 12.40 12.50

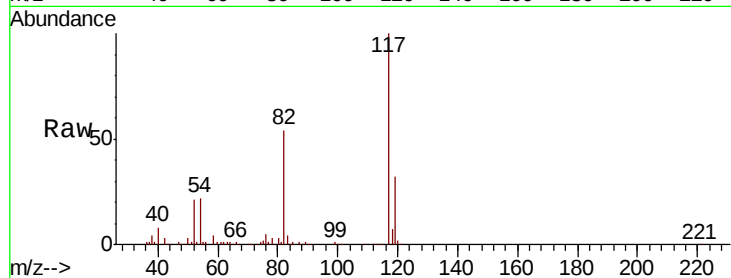




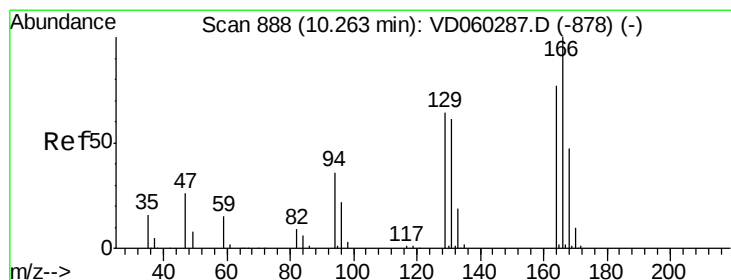
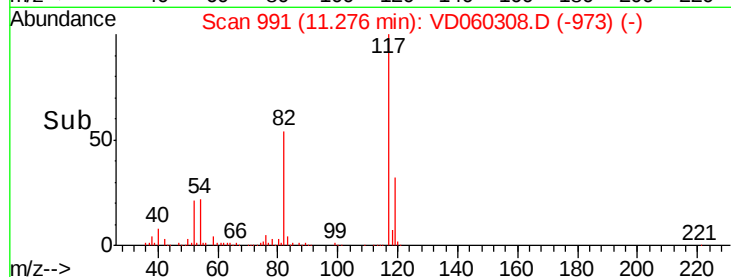
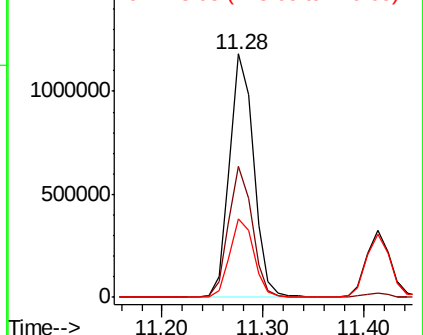
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.02 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1960880
Ion Ratio Lower Upper
117 100
82 53.9 43.7 65.5
119 32.2 26.1 39.1

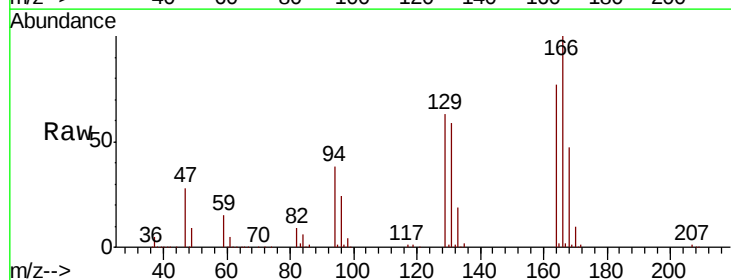


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

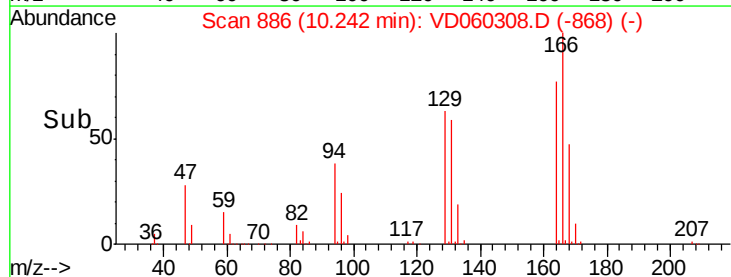
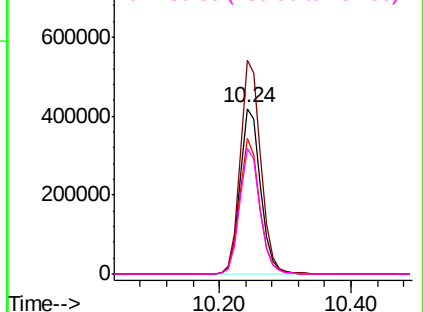


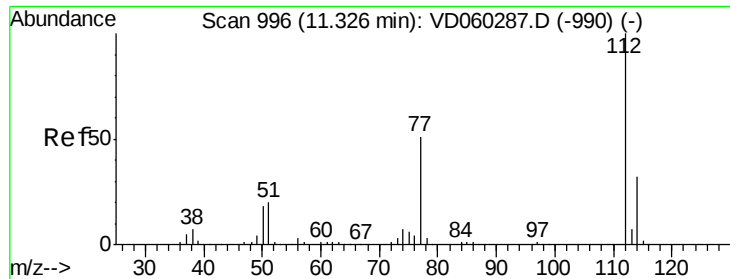
#64
Tetrachloroethene
Concen: 52.656 ug/l
RT: 10.24 min Scan# 886
Delta R.T. -0.02 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

Tgt Ion:164 Resp: 921767
Ion Ratio Lower Upper
164 100
166 129.2 103.7 155.5
129 81.8 65.6 98.4
131 75.8 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: 51.116 ug/l

RT: 11.31 min Scan# 994

Delta R.T. -0.02 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleId :

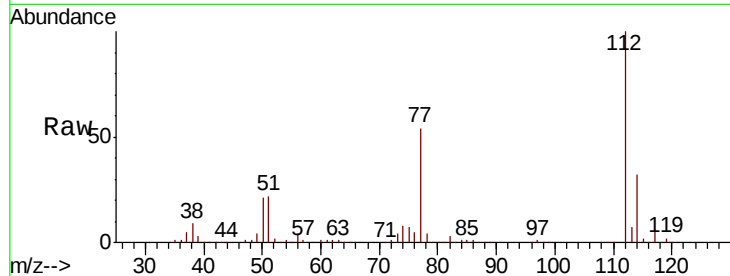
VSTDCCC050

Tot Ion:112 Resp: 2171736

Ion Ratio Lower Upper

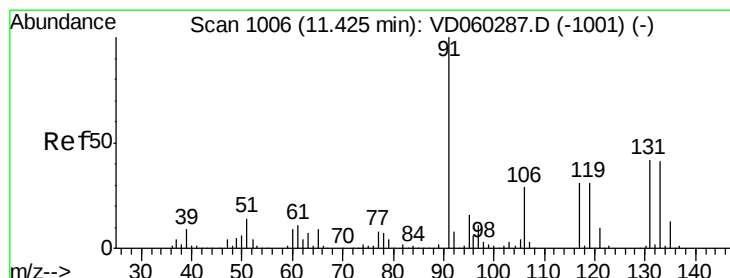
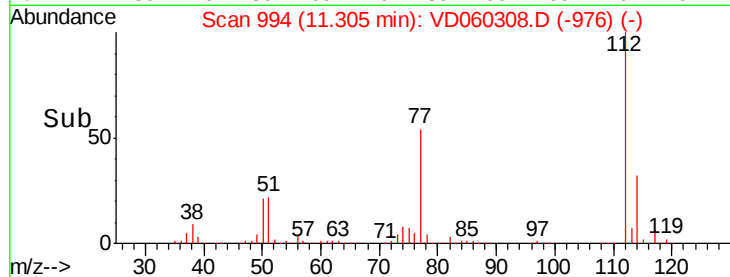
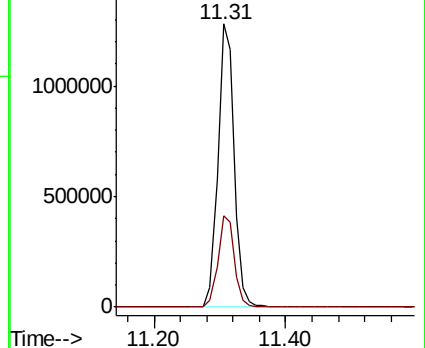
112 100

114 32.3 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.782 ug/l

RT: 11.41 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

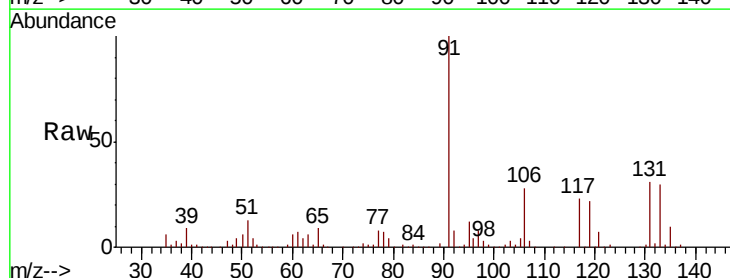
Tgt Ion:131 Resp: 733744

Ion Ratio Lower Upper

131 100

133 97.8 50.0 150.0

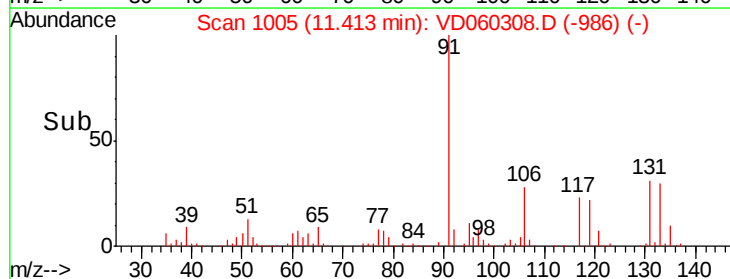
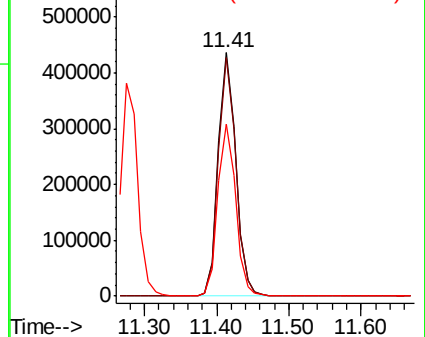
119 70.5 37.0 111.1

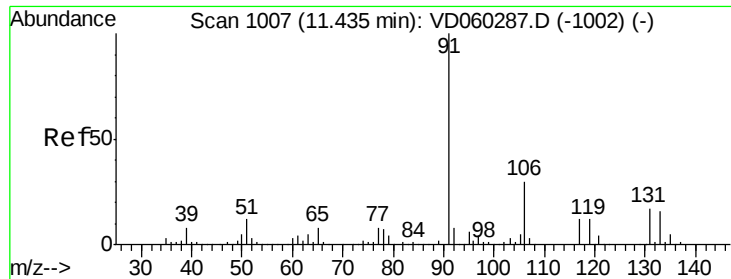


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





#67

Ethyl Benzene

Concen: 51.765 ug/l

RT: 11.42 min Scan# 1006

Delta R.T. -0.01 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleID :

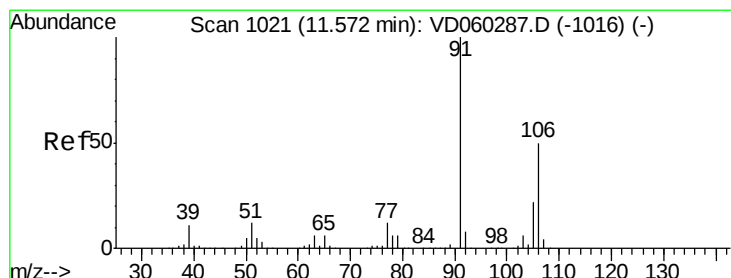
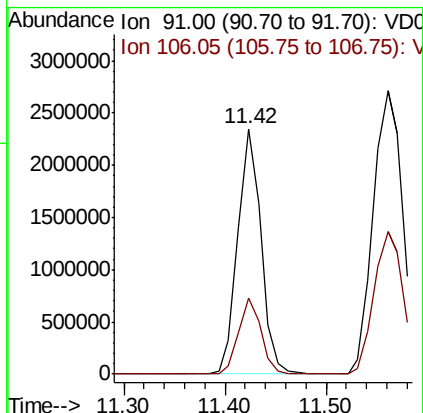
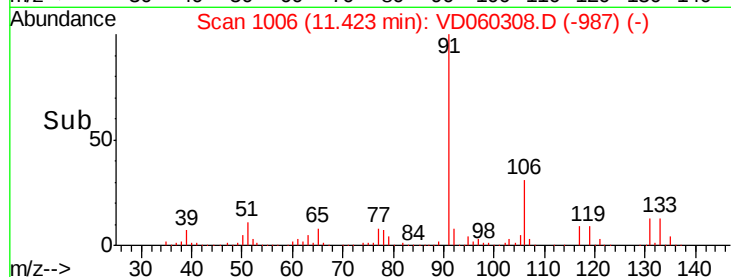
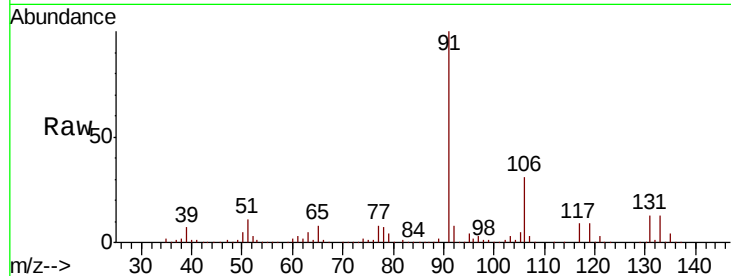
VSTDCCC050

Tot Ion: 91 Resp: 3762305

Ion Ratio Lower Upper

91 100

106 30.8 24.6 36.8



#68

m/p-Xylenes

Concen: 103.422 ug/l

RT: 11.56 min Scan# 1020

Delta R.T. -0.01 min

Lab File: VD060308.D

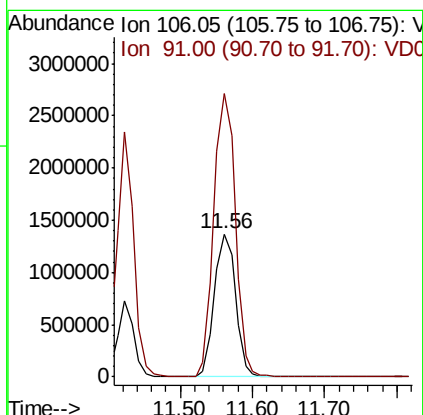
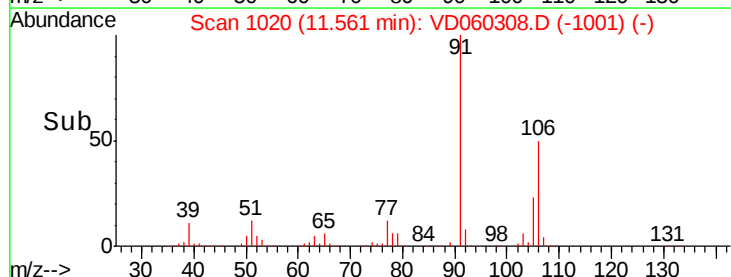
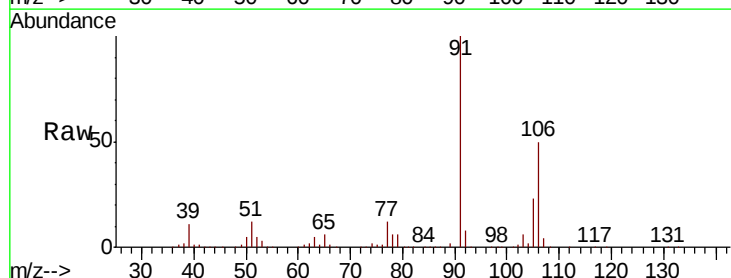
Acq: 9 Nov 2018 11:13

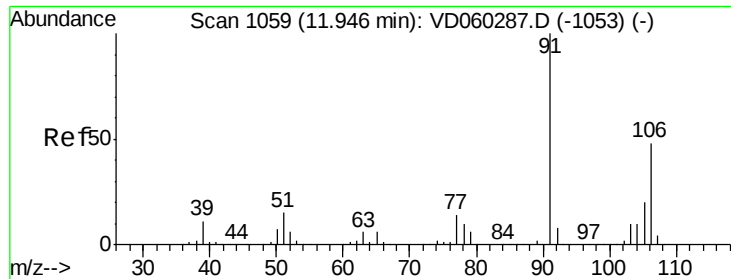
Tgt Ion: 106 Resp: 2772767

Ion Ratio Lower Upper

106 100

91 198.1 159.4 239.2

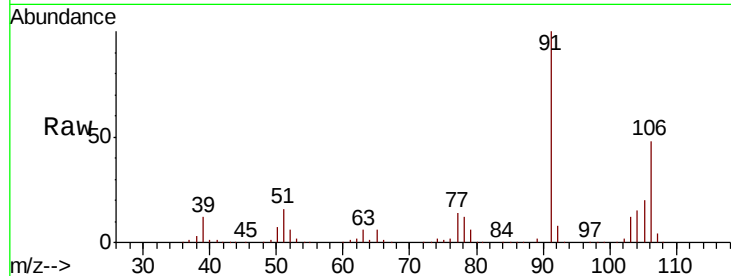




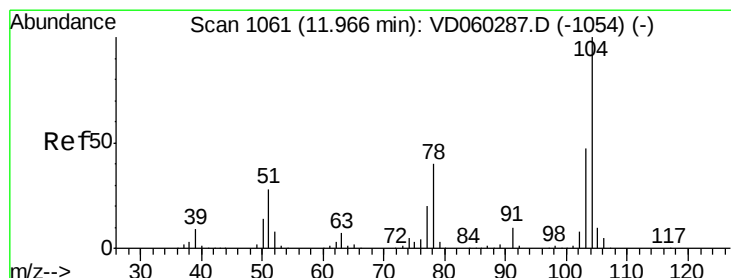
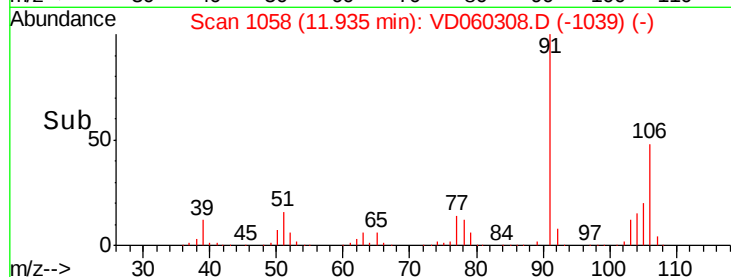
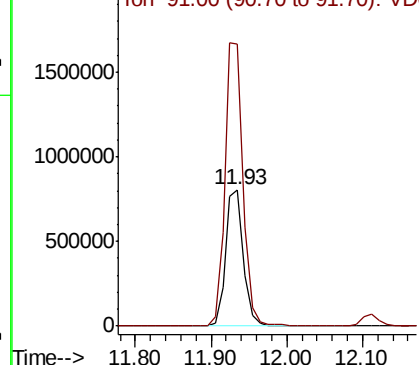
#69
o-Xylene
Concen: 50.409 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1305649
Ion Ratio Lower Upper
106 100
91 206.9 109.2 327.6

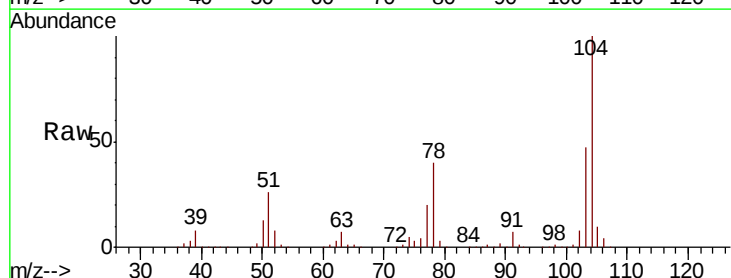


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

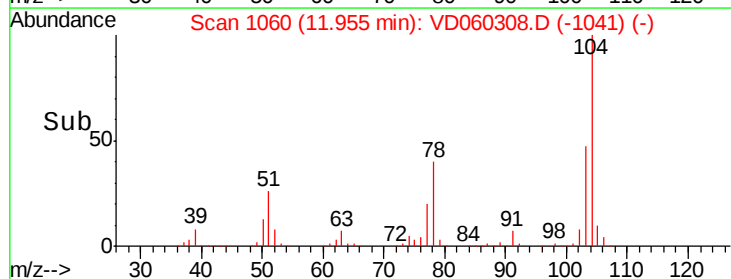
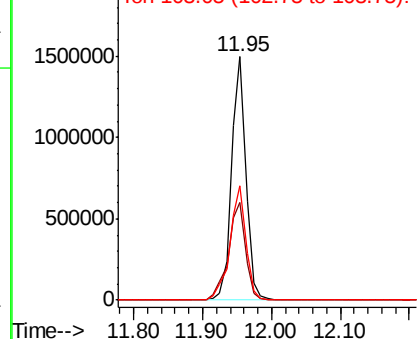


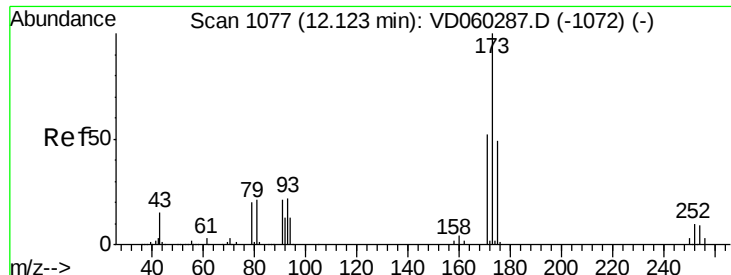
#70
Styrene
Concen: 51.454 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

Tgt Ion:104 Resp: 2153806
Ion Ratio Lower Upper
104 100
78 40.1 31.6 47.4
103 46.9 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: 52.783 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. -0.01 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

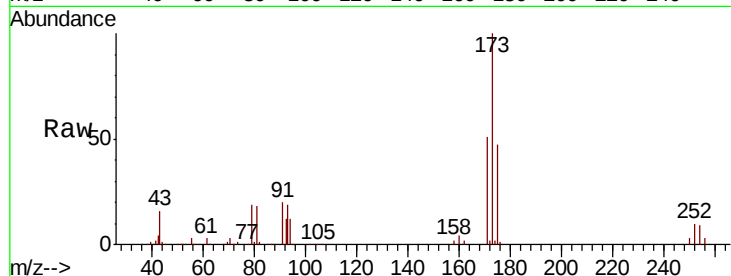
Tot Ion:173 Resp: 493060

Ion Ratio Lower Upper

173 100

175 47.5 24.3 73.0

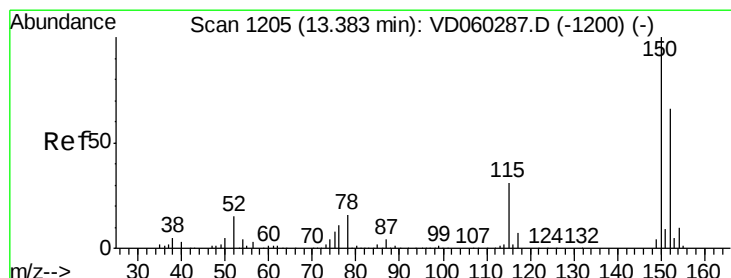
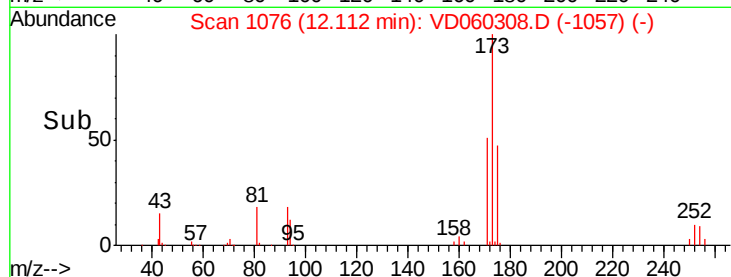
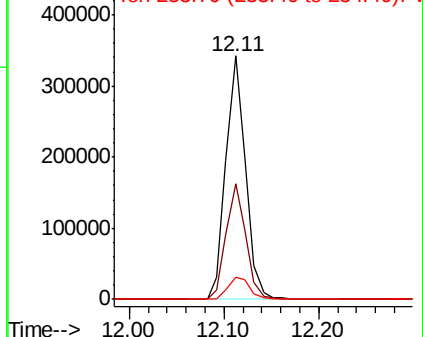
254 9.3 8.3 12.5



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

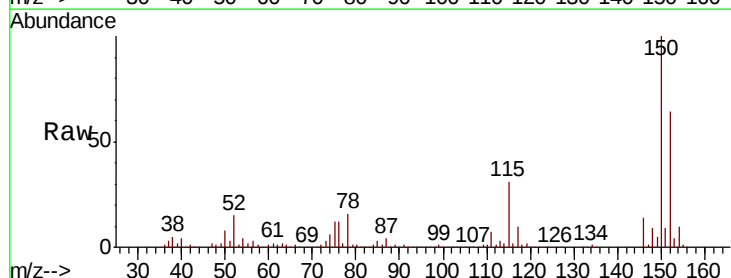
Tgt Ion:152 Resp: 973965

Ion Ratio Lower Upper

152 100

115 47.8 24.1 72.3

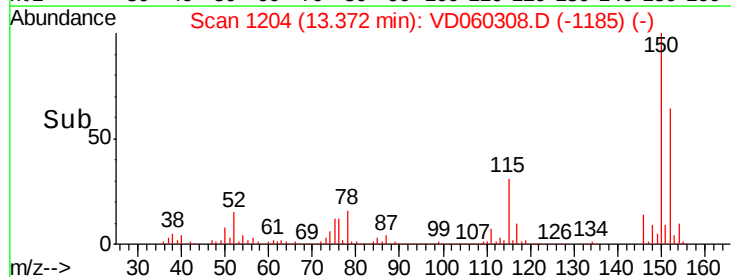
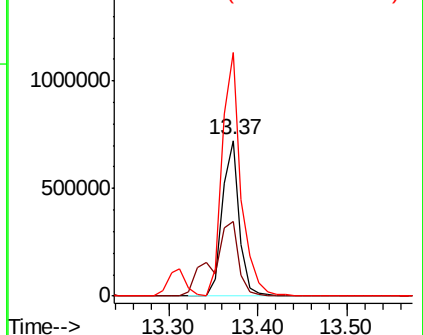
150 156.3 0.0 310.6

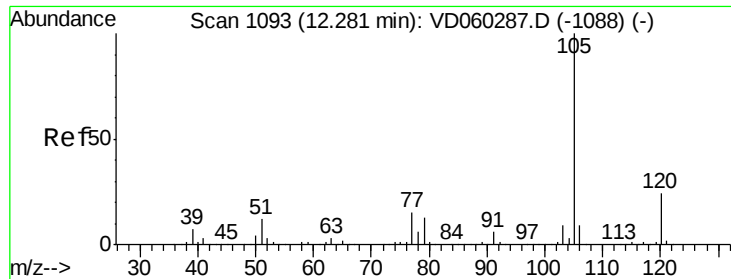


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.458 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleId :

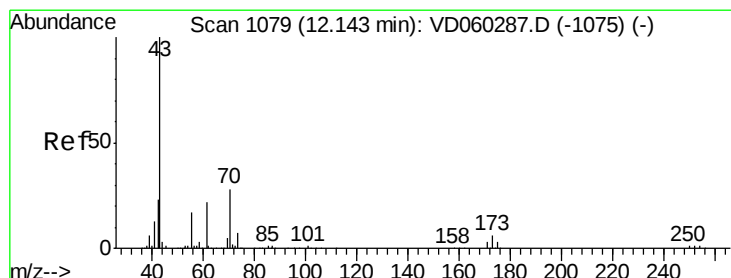
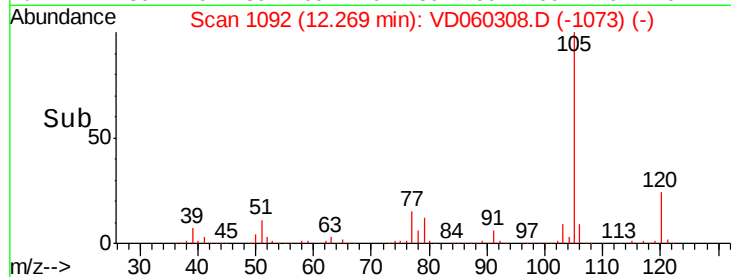
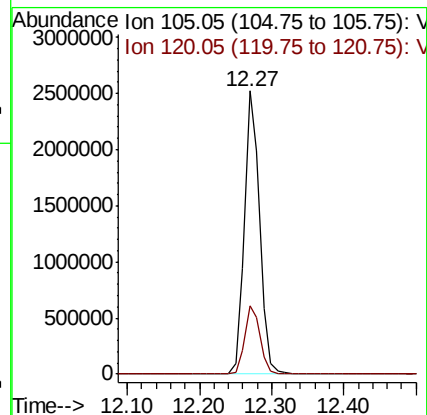
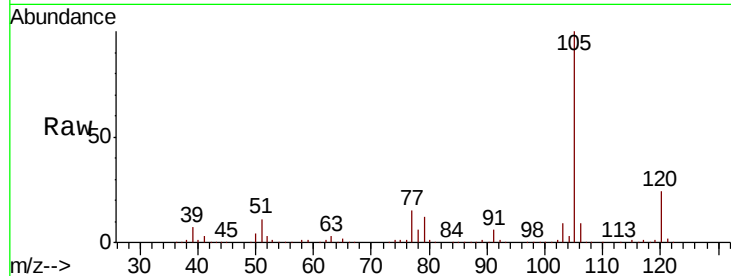
VSTDCCC050

Tot Ion:105 Resp: 3722473

Ion Ratio Lower Upper

105 100

120 24.2 12.1 36.3



#74

N-ethyl acetate

Concen: 48.768 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Tgt Ion: 43 Resp: 887218

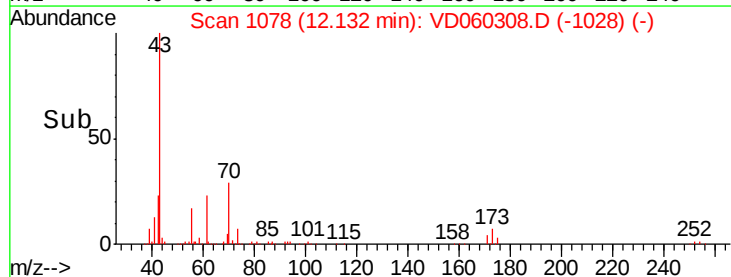
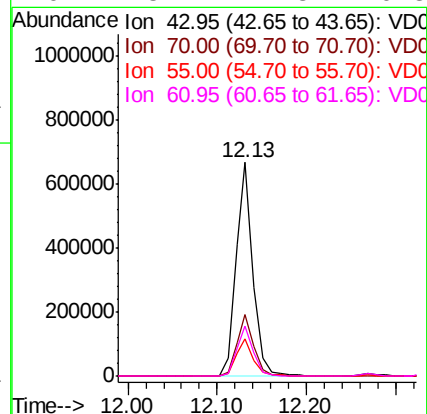
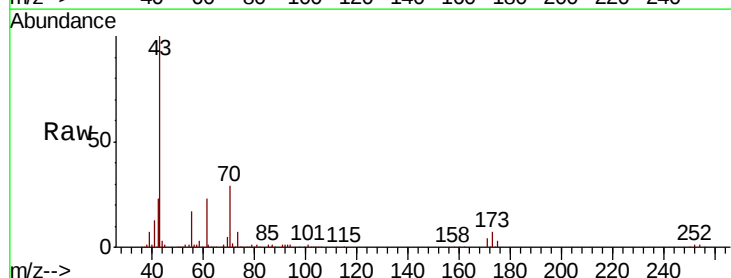
Ion Ratio Lower Upper

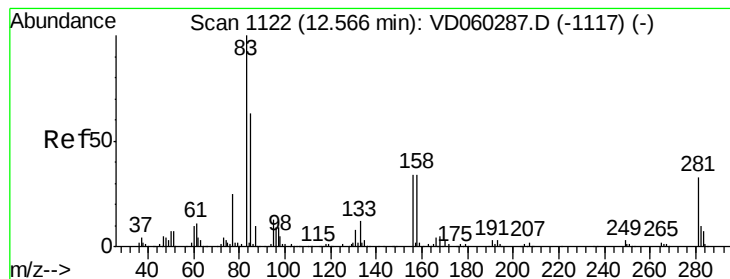
43 100

70 28.9 23.0 34.4

55 17.3 14.2 21.4

61 23.2 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.820 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

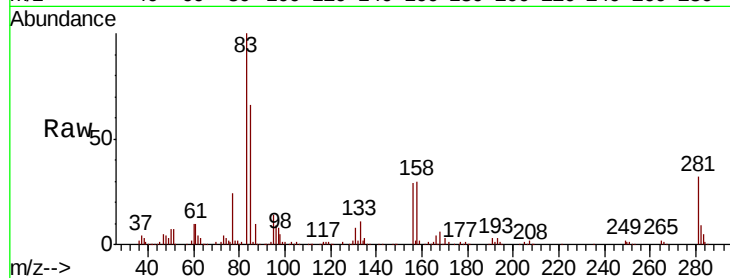
Tot Ion: 83 Resp: 578165

Ion Ratio Lower Upper

83 100

131 8.3 3.9 11.5

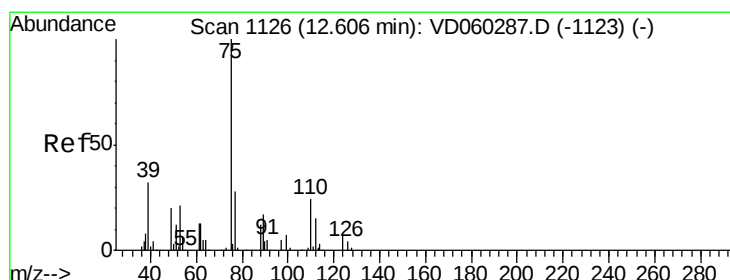
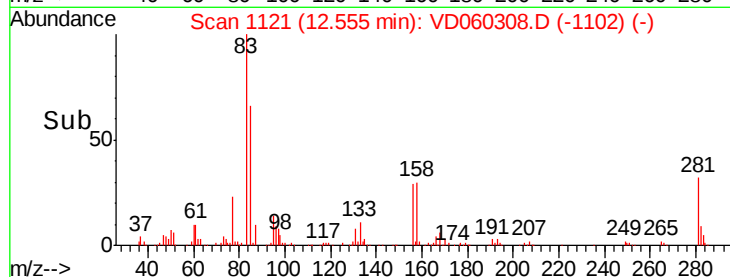
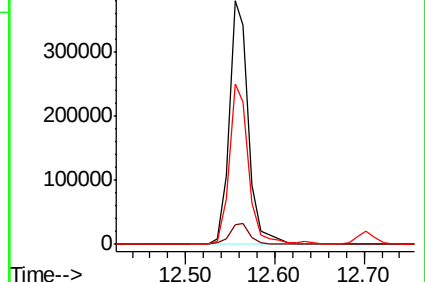
85 65.9 32.0 96.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 49.648 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD060308.D

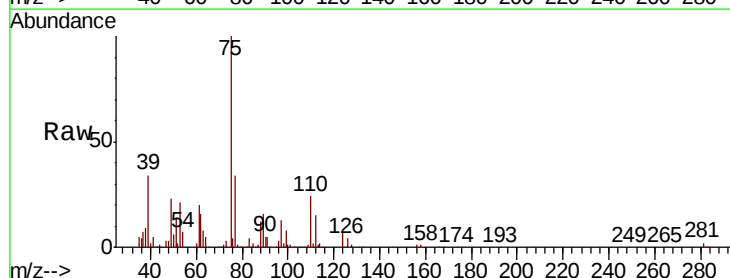
Acq: 9 Nov 2018 11:13

Tgt Ion: 75 Resp: 578446

Ion Ratio Lower Upper

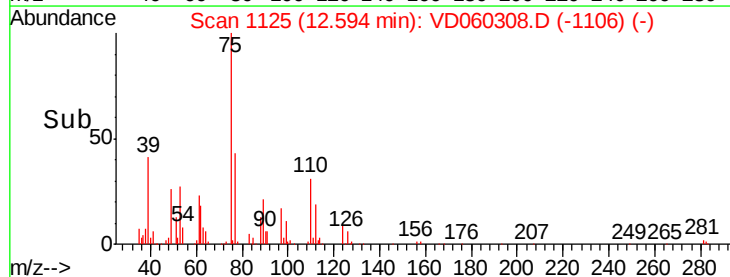
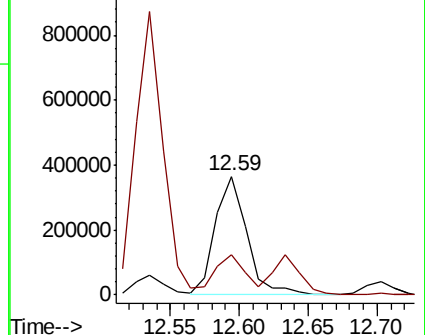
75 100

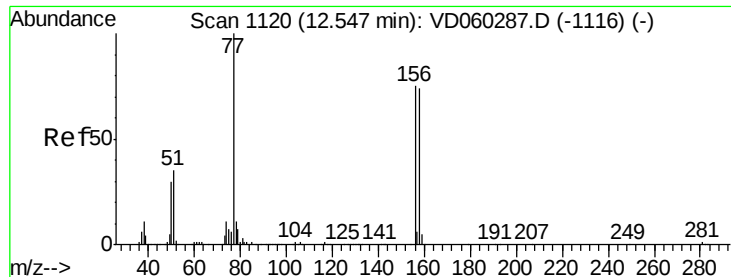
77 33.9 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 52.942 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

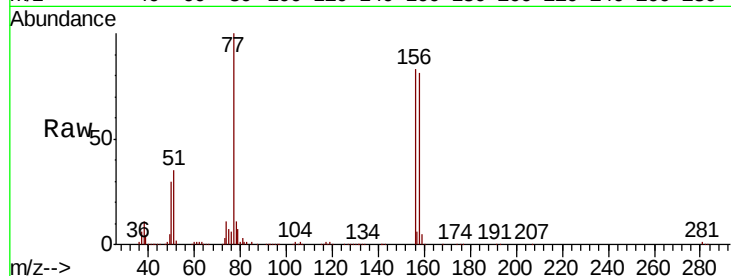
Tot Ion:156 Resp: 997907

Ion Ratio Lower Upper

156 100

77 119.9 61.2 183.6

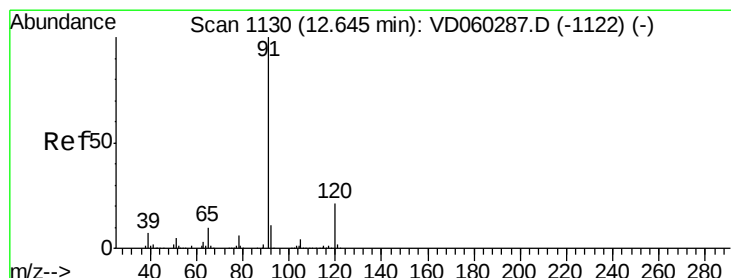
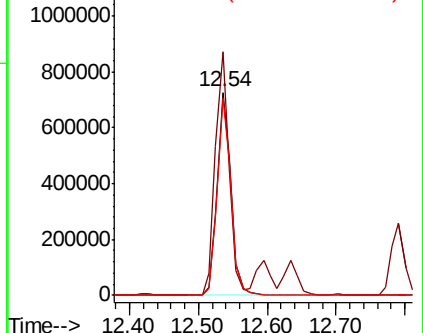
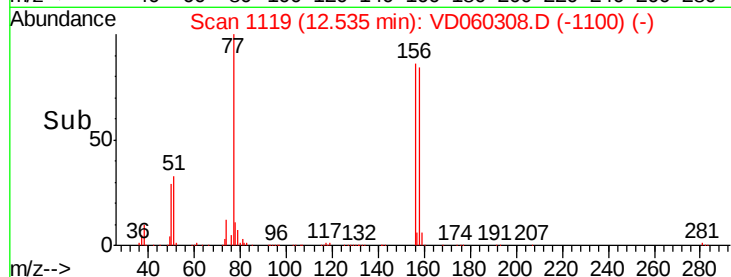
158 97.5 49.2 147.6



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: 52.968 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VD060308.D

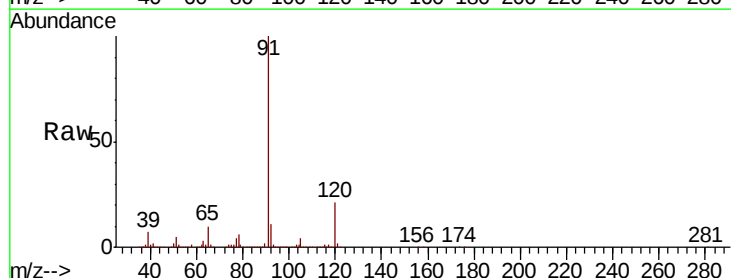
Acq: 9 Nov 2018 11:13

Tgt Ion: 91 Resp: 4691458

Ion Ratio Lower Upper

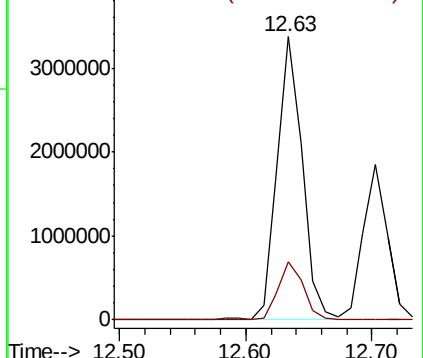
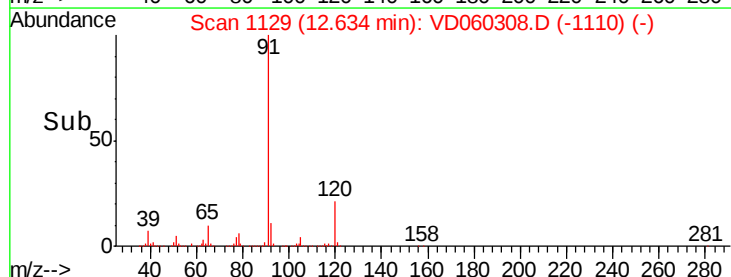
91 100

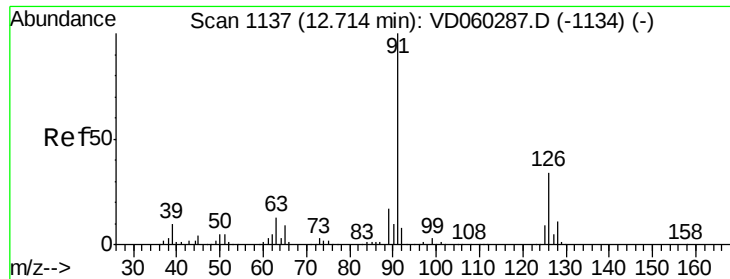
120 20.7 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

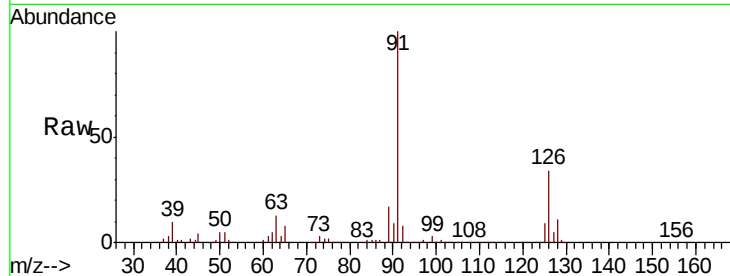




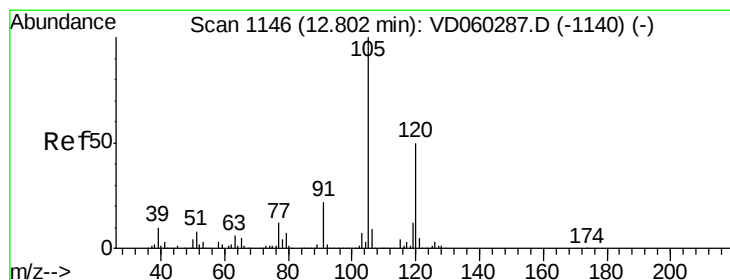
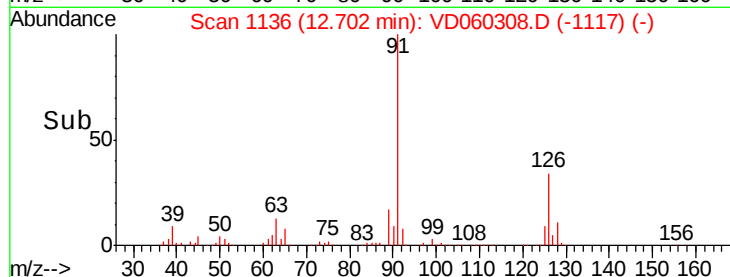
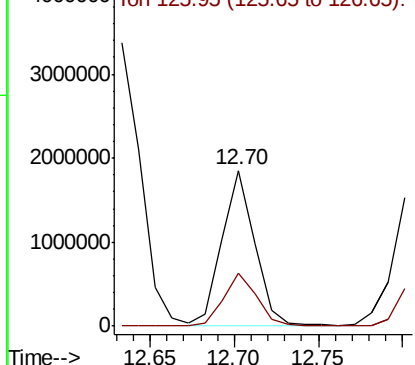
#79
2-Chlorotoluene
Concen: 51.740 ug/l
RT: 12.70 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2509908
Ion Ratio Lower Upper
91 100
126 34.2 17.4 52.2

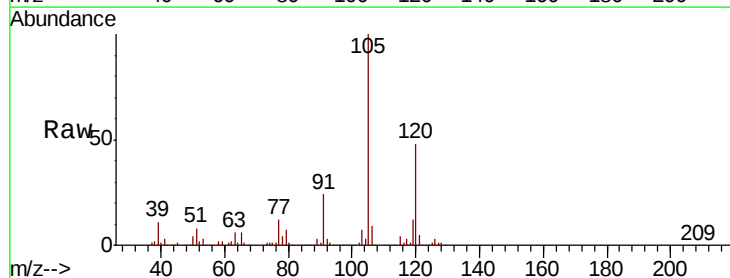


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

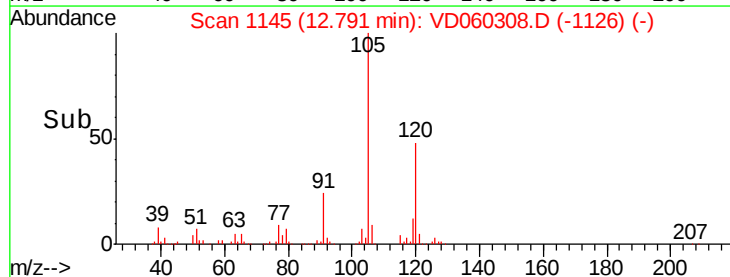
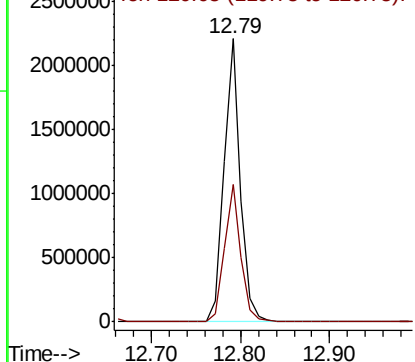


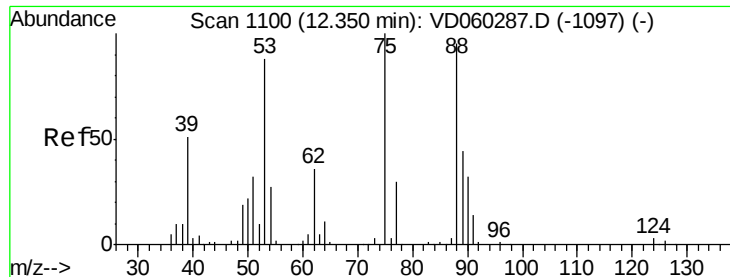
#80
1,3,5-Trimethylbenzene
Concen: 51.525 ug/l
RT: 12.79 min Scan# 1145
Delta R.T. -0.01 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

Tgt Ion: 105 Resp: 2841460
Ion Ratio Lower Upper
105 100
120 48.4 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: 51.667 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

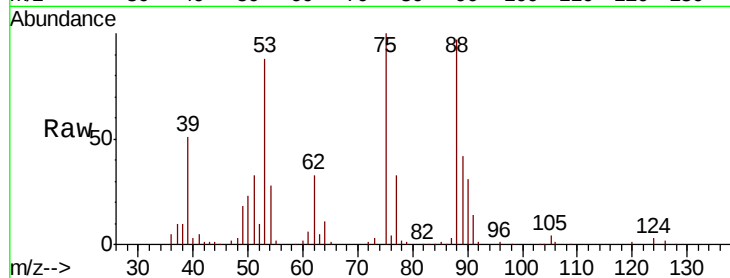
Tot Ion: 75 Resp: 171380

Ion Ratio Lower Upper

75 100

53 87.9 68.6 103.0

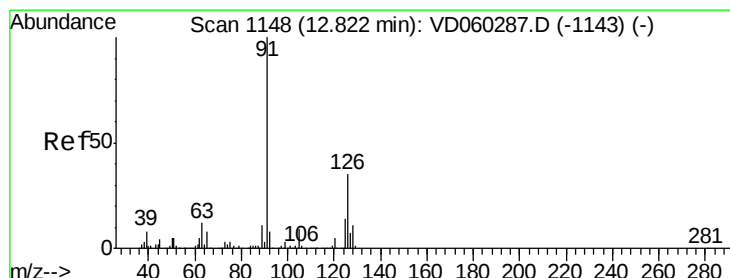
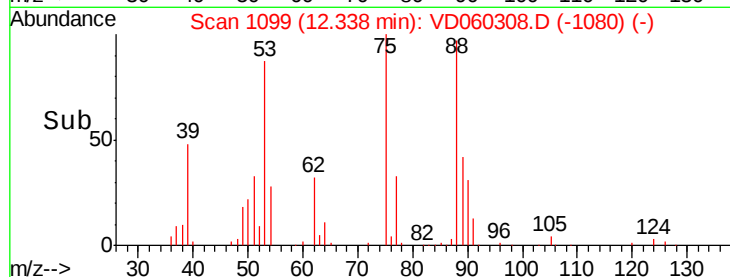
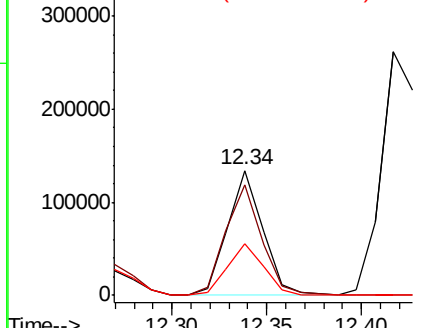
89 41.6 34.1 51.1



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: 51.045 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060308.D

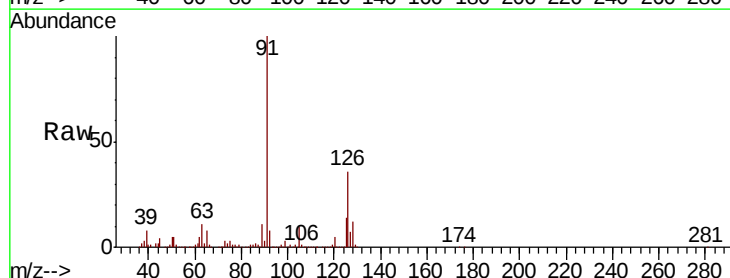
Acq: 9 Nov 2018 11:13

Tgt Ion: 91 Resp: 2781582

Ion Ratio Lower Upper

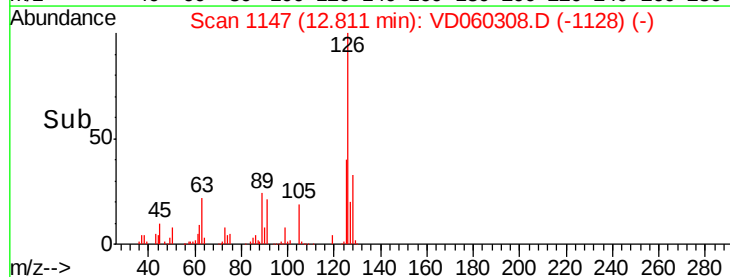
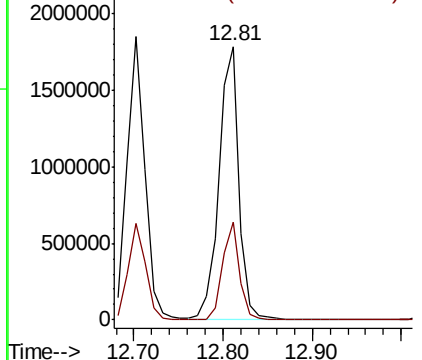
91 100

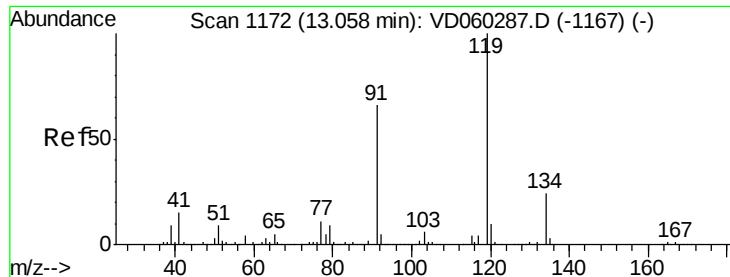
126 35.9 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

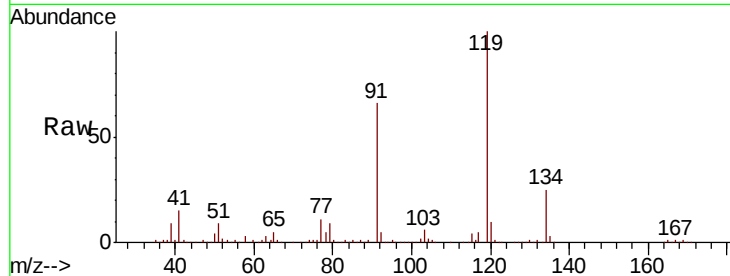




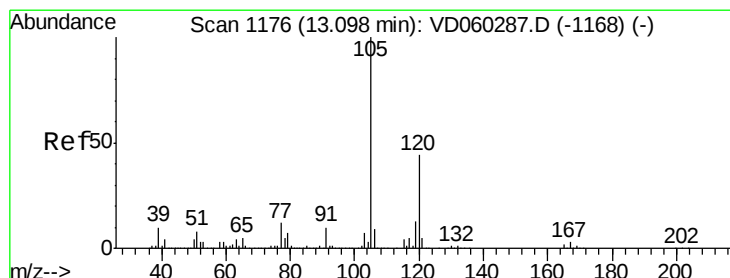
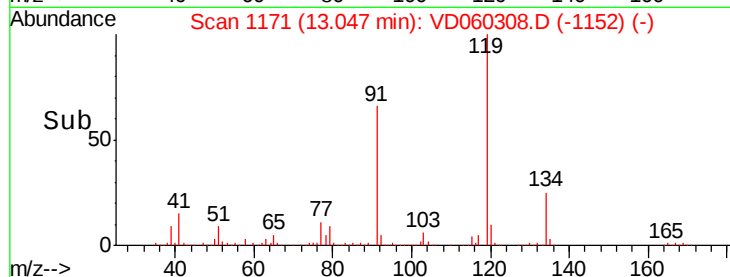
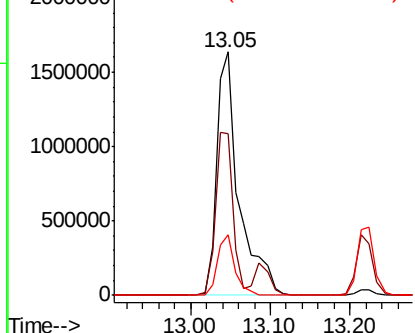
#83
tert-Butylbenzene
Concen: 52.419 ug/l
RT: 13.05 min Scan# 1171
Delta R.T. -0.01 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 3209352
Ion Ratio Lower Upper
119 100
91 66.2 32.7 98.1
134 24.9 12.1 36.3

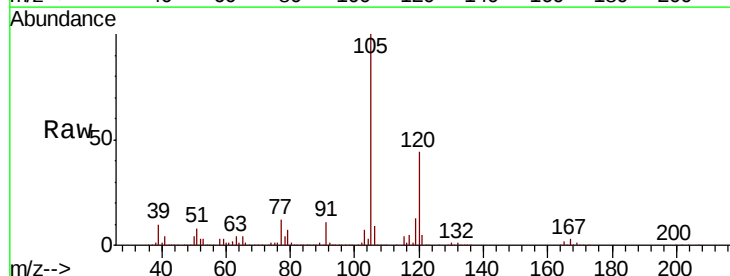


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

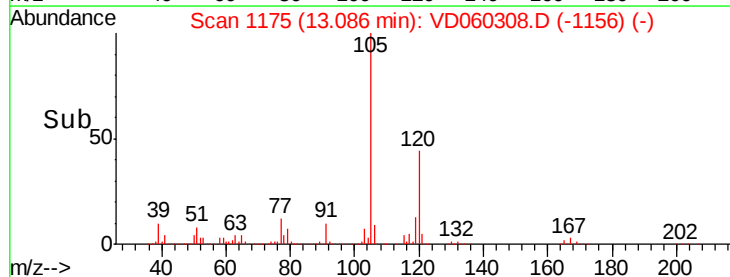
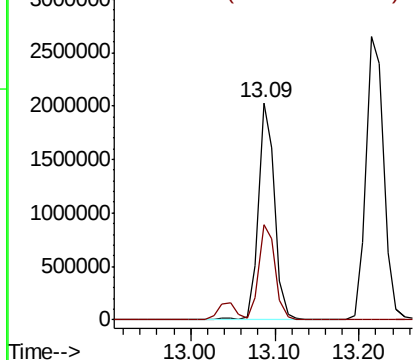


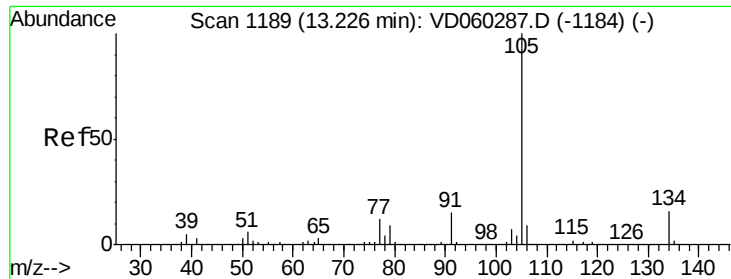
#84
1,2,4-Trimethylbenzene
Concen: 49.885 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

Tgt Ion:105 Resp: 2747432
Ion Ratio Lower Upper
105 100
120 43.6 21.9 65.8



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





#85

sec-Butylbenzene

Concen: 51.806 ug/l

RT: 13.21 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

Instrument :

MSVOA_D

ClientSampleId :

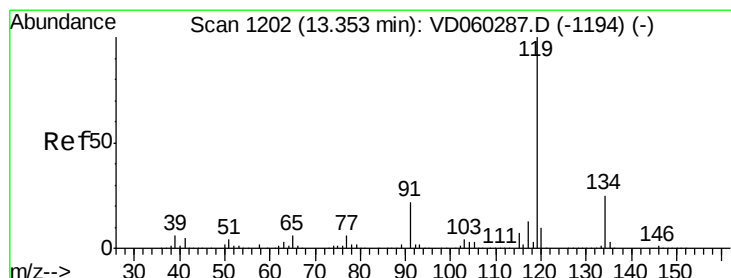
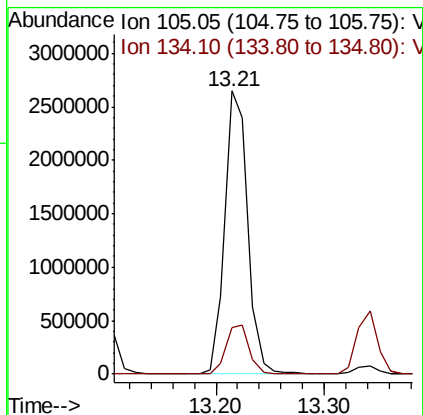
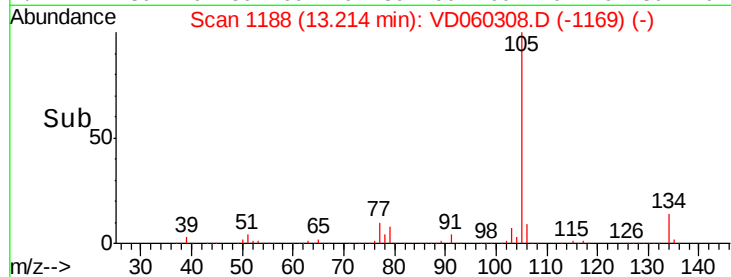
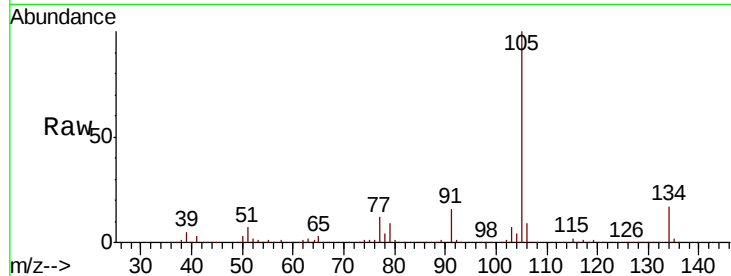
VSTDCCC050

Tot Ion:105 Resp: 3891450

Ion Ratio Lower Upper

105 100

134 16.6 8.0 24.0



#86

p-Isopropyltoluene

Concen: 51.629 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VD060308.D

Acq: 9 Nov 2018 11:13

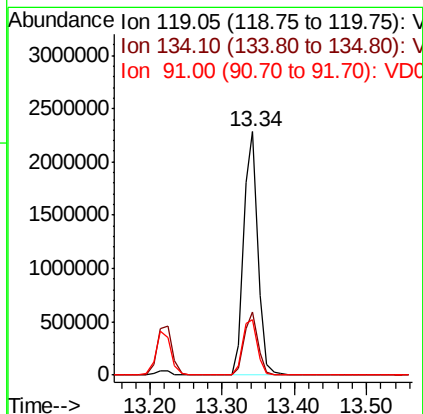
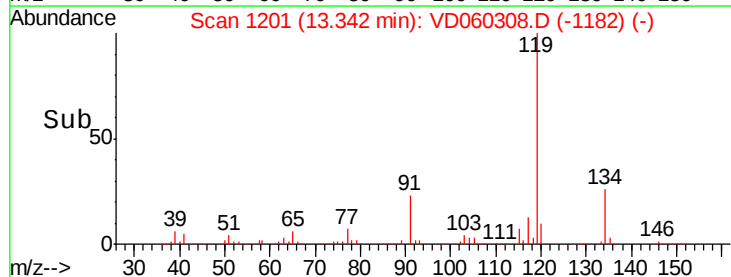
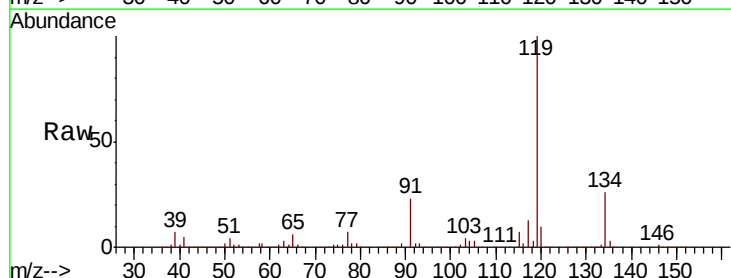
Tgt Ion:119 Resp: 3123103

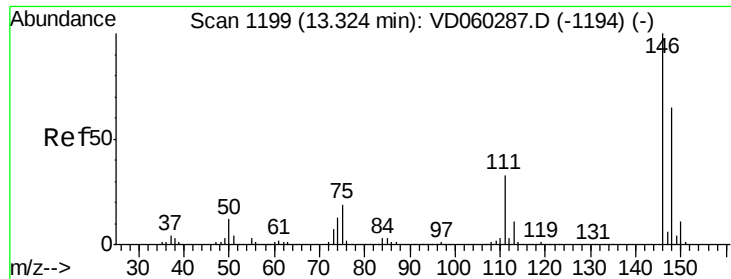
Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.6

91 23.0 11.3 33.8

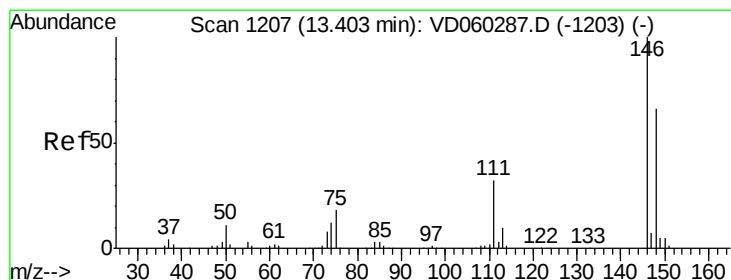
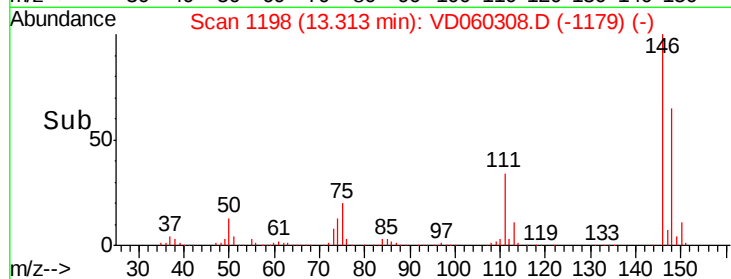
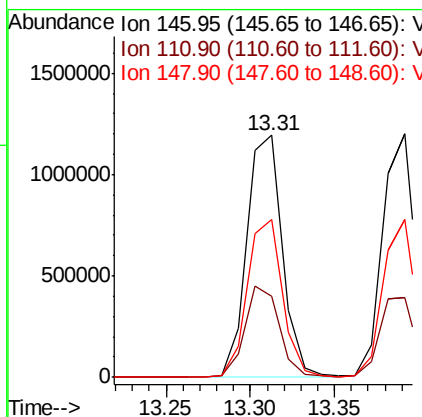
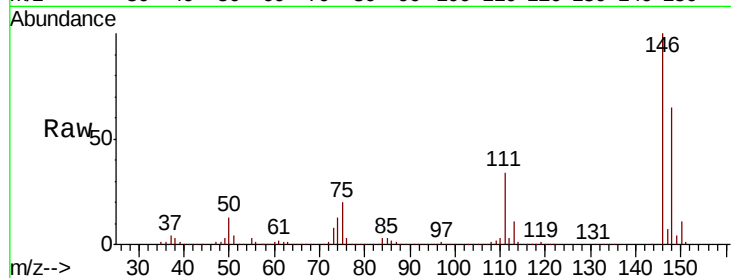




#87
 1,3-Dichlorobenzene
 Concen: 52.288 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060308.D
 Acq: 9 Nov 2018 11:13

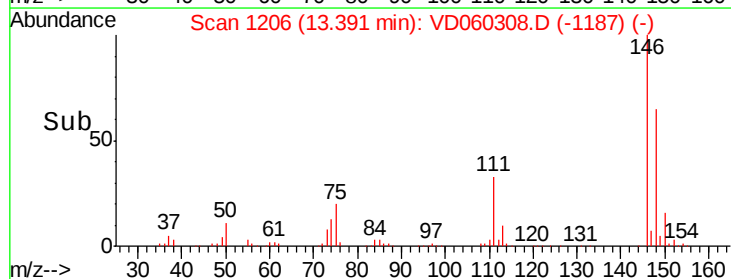
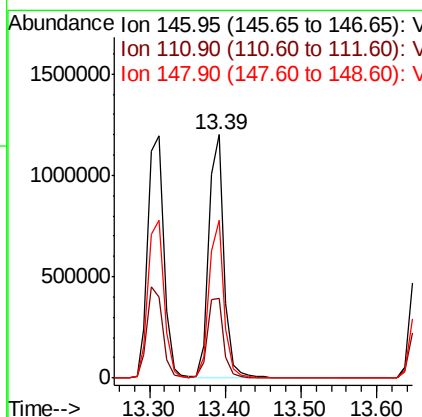
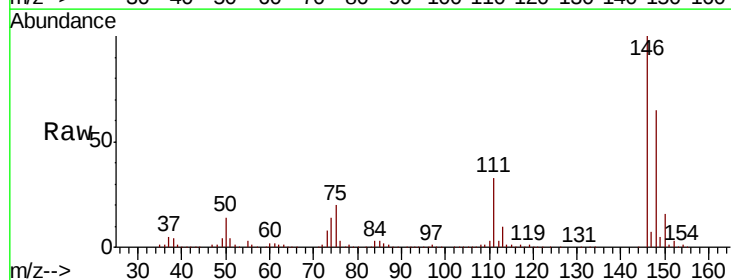
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

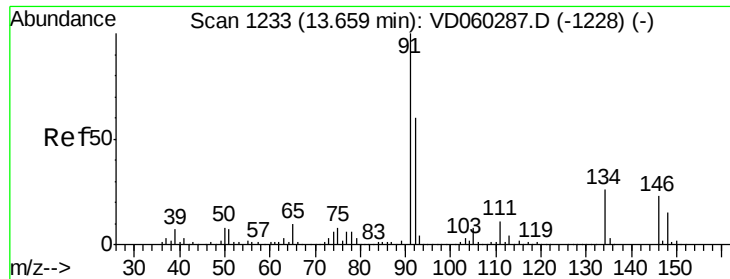
Tot Ion:146 Resp: 1753490
 Ion Ratio Lower Upper
 146 100
 111 33.7 20.2 60.5
 148 65.1 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 51.750 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060308.D
 Acq: 9 Nov 2018 11:13

Tgt Ion:146 Resp: 1694878
 Ion Ratio Lower Upper
 146 100
 111 32.8 16.0 47.9
 148 64.6 32.9 98.7

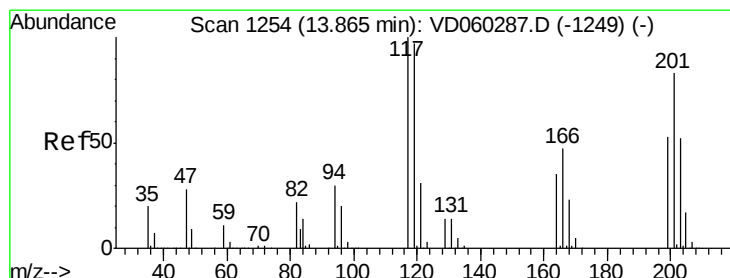
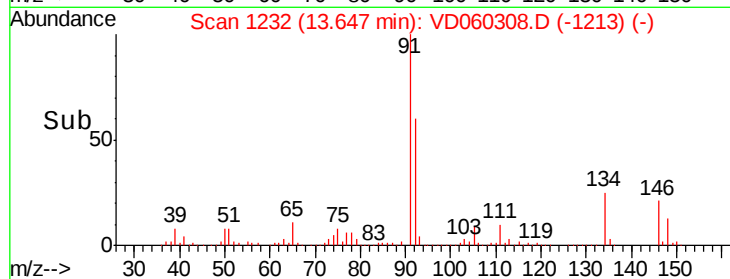
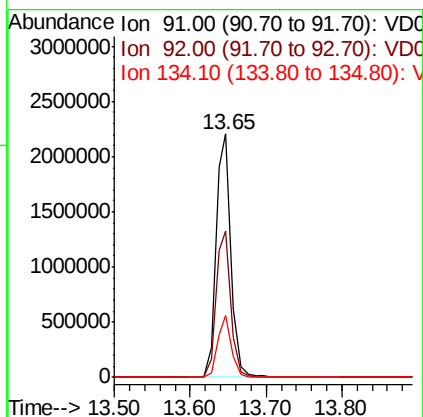
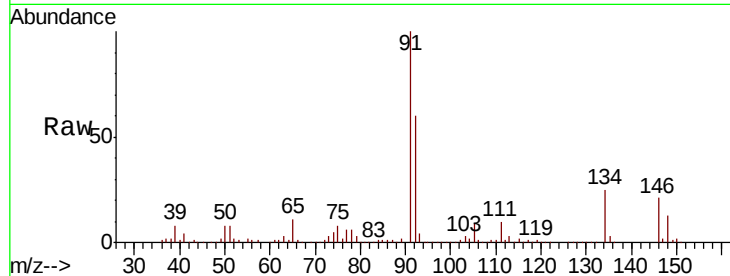




#89
n-Butylbenzene
Concen: 52.590 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

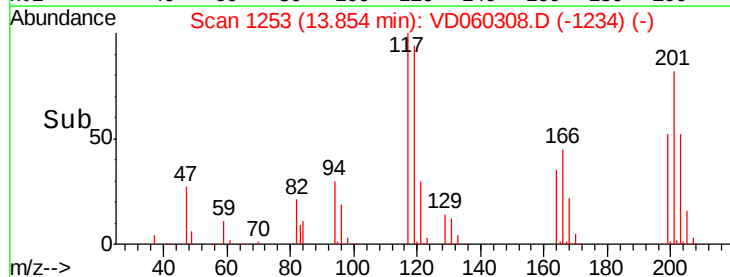
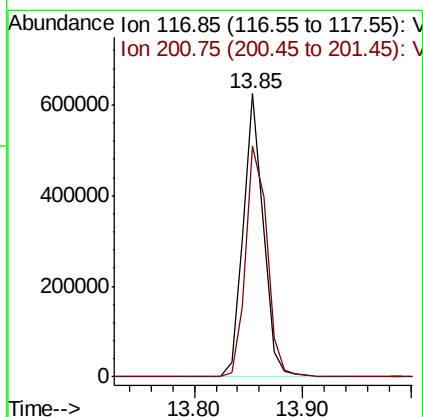
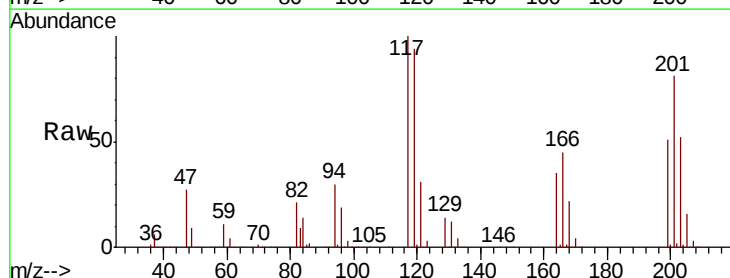
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

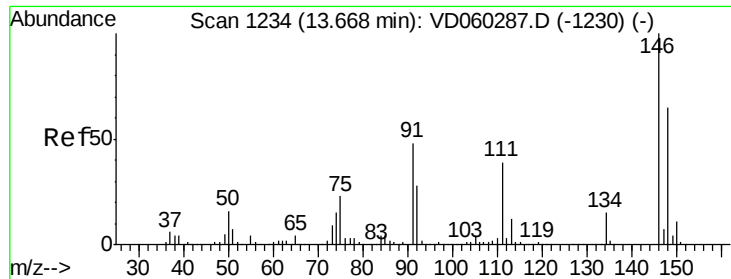
Tot Ion: 91 Resp: 3067130
Ion Ratio Lower Upper
91 100
92 60.2 30.3 90.9
134 25.2 13.0 38.9



#90
Hexachloroethane
Concen: 55.860 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

Tgt Ion: 117 Resp: 801241
Ion Ratio Lower Upper
117 100
201 81.5 40.1 120.3

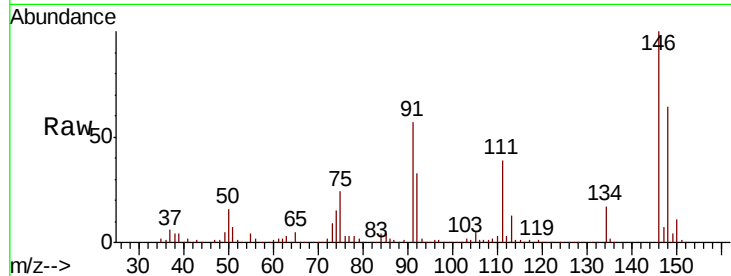




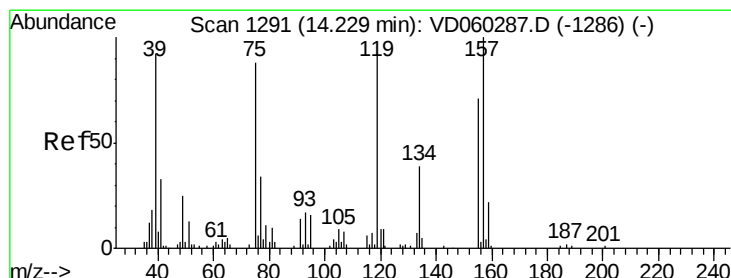
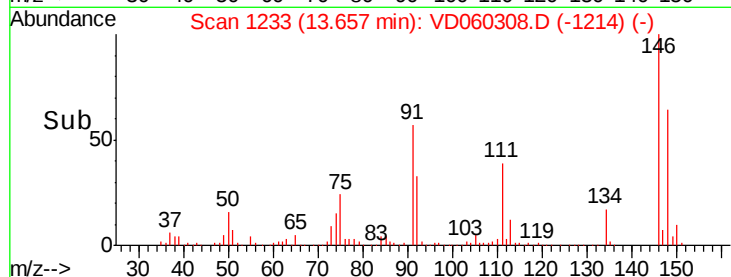
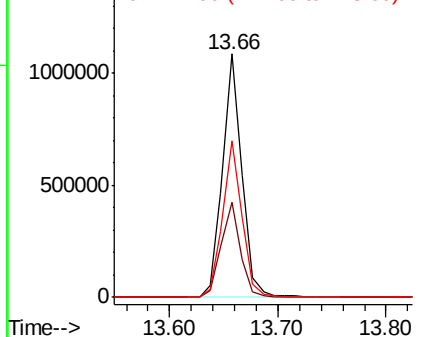
#91
 1,2-Dichlorobenzene
 Concen: 48.889 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD060308.D
 Acq: 9 Nov 2018 11:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1346658
 Ion Ratio Lower Upper
 146 100
 111 38.9 18.9 56.9
 148 64.5 31.6 94.8

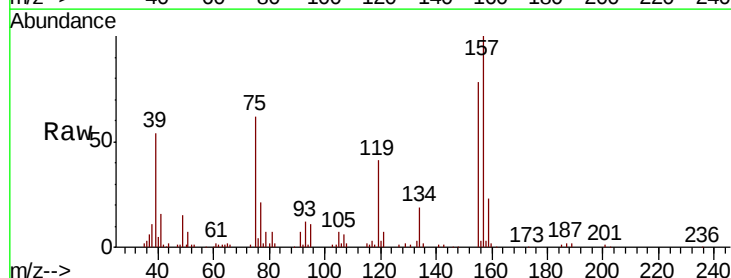


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

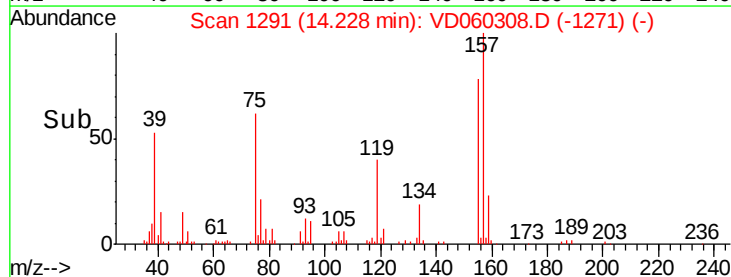
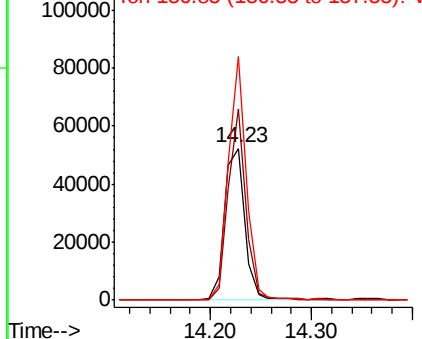


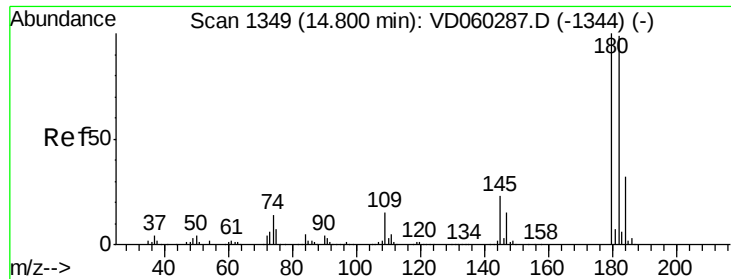
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.825 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD060308.D
 Acq: 9 Nov 2018 11:13

Tgt Ion: 75 Resp: 74001
 Ion Ratio Lower Upper
 75 100
 155 125.5 64.3 192.9
 157 160.3 81.0 243.1



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

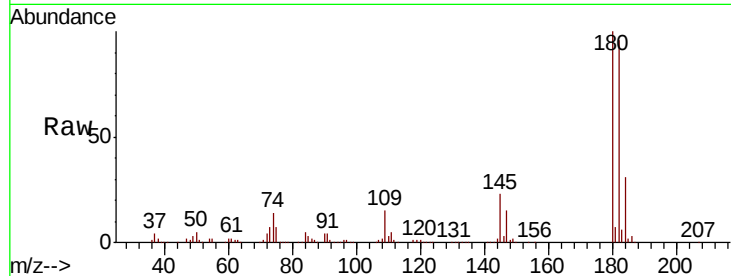




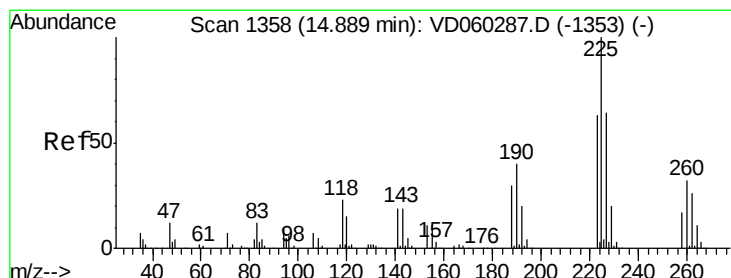
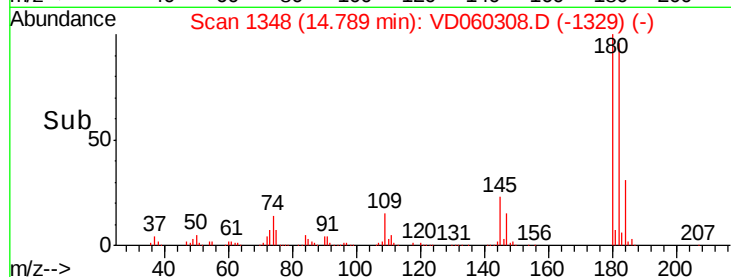
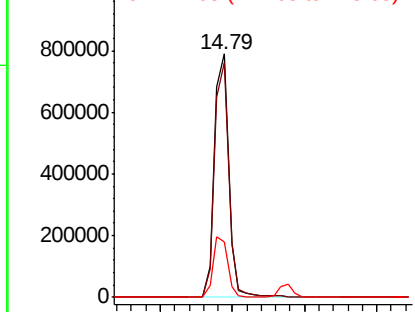
#93
1,2,4-Trichlorobenzene
Concen: 49.596 ug/l
RT: 14.79 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:180 Resp: 1083142
Ion Ratio Lower Upper
180 100
182 96.1 48.1 144.4
145 22.6 11.5 34.4

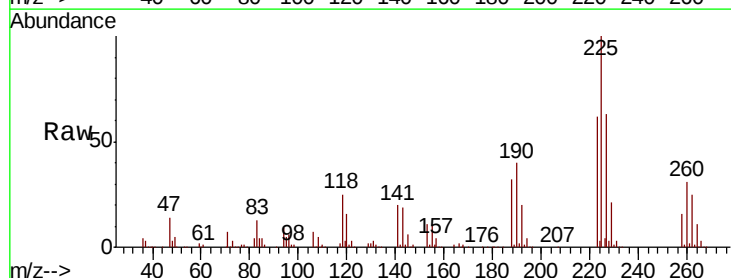


Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

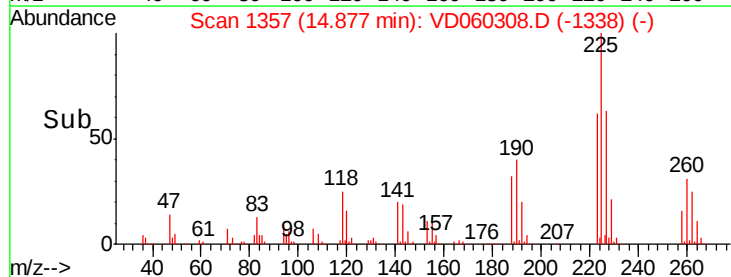
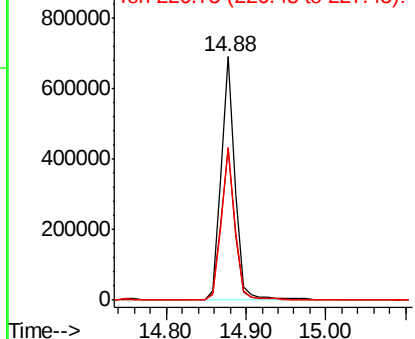


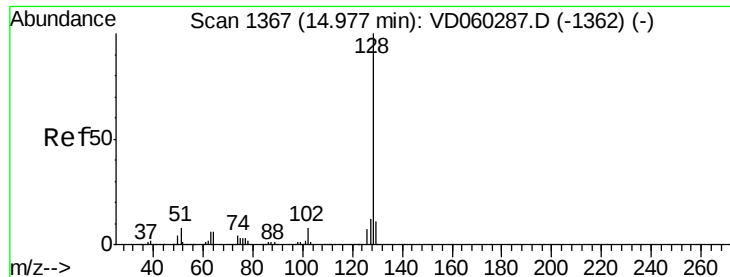
#94
Hexachlorobutadiene
Concen: 52.587 ug/l
RT: 14.88 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

Tgt Ion:225 Resp: 859014
Ion Ratio Lower Upper
225 100
223 62.3 31.6 94.8
227 62.6 32.3 96.9



Abundance Ion 224.75 (224.45 to 225.45): V
Ion 222.75 (222.45 to 223.45): V
Ion 226.75 (226.45 to 227.45): V

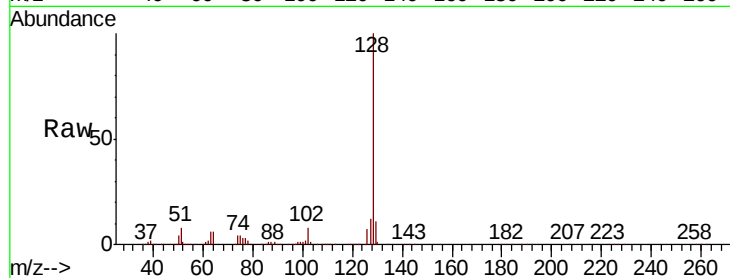




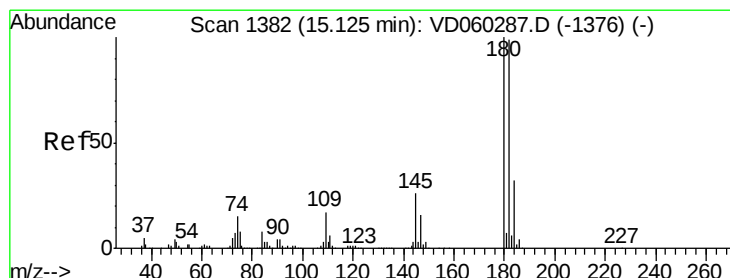
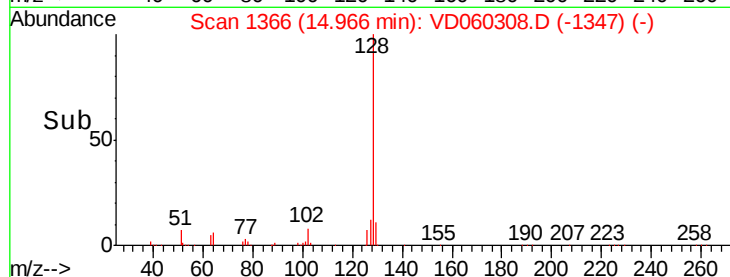
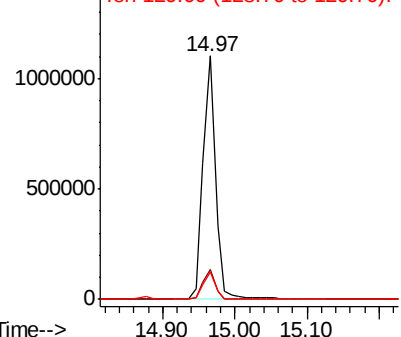
#95
Naphthalene
Concen: 49.331 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1315515
Ion Ratio Lower Upper
128 100
127 12.2 9.6 14.4
129 11.0 8.6 12.8

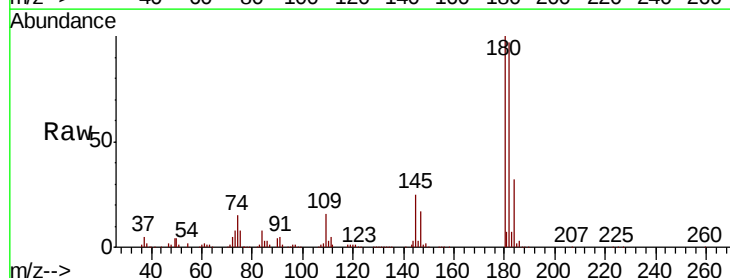


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 48.966 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD060308.D
Acq: 9 Nov 2018 11:13

Tgt Ion:180 Resp: 856924
Ion Ratio Lower Upper
180 100
182 96.9 48.9 146.7
145 25.0 12.9 38.6



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

