

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102518\
 Data File : VD060195.D
 Acq On : 25 Oct 2018 14:50
 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: Oct 26 03:41:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1619552	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2340999	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.29	117	1913937	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	1016805	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	639952	52.13	ug/l	0.03
Spiked Amount			Recovery	=	104.26%	
35) Dibromofluoromethane	6.33	113	894349	50.31	ug/l	0.03
Spiked Amount			Recovery	=	100.62%	
50) Toluene-d8	9.46	98	2586910	51.03	ug/l	0.02
Spiked Amount			Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.43	95	994350	52.39	ug/l	0.01
Spiked Amount			Recovery	=	104.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	741067	48.643	ug/l	97
3) Chloromethane	1.76	50	733015	53.359	ug/l	98
4) Vinyl Chloride	1.86	62	621805	55.309	ug/l	99
5) Bromomethane	2.15	94	89087	63.109	ug/l	92
6) Chloroethane	2.26	64	166165	54.163	ug/l	97
7) Trichlorofluoromethane	2.51	101	711599	52.863	ug/l	98
8) Diethyl Ether	2.83	74	166889	60.291	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.09	101	499690	59.585	ug/l	96
10) Methyl Iodide	3.25	142	528356	59.411	ug/l	98
11) Tert butyl alcohol	3.98	59	210657	239.261	ug/l	97
12) 1,1-Dichloroethene	3.07	96	395179	59.816	ug/l	90
13) Acrolein	2.99	56	137975	254.214	ug/l	93
14) Allyl chloride	3.54	41	812590	59.221	ug/l	99
15) Acrylonitrile	4.09	53	1003945	275.485	ug/l	99
16) Acetone	3.16	43	739616	332.023	ug/l	99
17) Carbon Disulfide	3.32	76	1196808	53.870	ug/l	99
18) Methyl Acetate	3.55	43	360256	75.243	ug/l	100
19) Methyl tert-butyl Ether	4.12	73	1617125	55.672	ug/l	99
20) Methylene Chloride	3.72	84	888234	50.719	ug/l	99
21) trans-1,2-Dichloroethene	4.11	96	882107	51.698	ug/l	99
22) Diisopropyl ether	4.85	45	3359688	54.827	ug/l #	89
23) Vinyl Acetate	4.80	43	9137484	265.280	ug/l	99
24) 1,1-Dichloroethane	4.76	63	1513123	54.460	ug/l	99
25) 2-Butanone	5.62	43	1608101	288.961	ug/l	97
26) 2,2-Dichloropropane	5.59	77	1224441	58.133	ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	964008	53.325	ug/l	95
28) Bromochloromethane	5.93	49	737312	54.609	ug/l	100
29) Tetrahydrofuran	5.96	42	819653	253.567	ug/l	99
30) Chloroform	6.10	83	1517645	53.999	ug/l	99
31) Cyclohexane	6.37	56	1286524	48.372	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	1263730	54.883	ug/l	99
36) 1,1-Dichloropropene	6.53	75	1117599	49.959	ug/l	99
37) Ethyl Acetate	5.70	43	770495	51.890	ug/l	99
38) Carbon Tetrachloride	6.51	117	1042060	51.324	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1266214	49.817	ug/l	99
40) Benzene	6.80	78	2824410	48.261	ug/l	99
41) Methacrylonitrile	5.96	41	855341	101.915	ug/l #	90
42) 1,2-Dichloroethane	6.90	62	905933	53.993	ug/l	99
43) Isopropyl Acetate	8.35	43	1015109	51.964	ug/l #	99
44) Trichloroethene	7.75	130	881644	48.665	ug/l	98
45) 1,2-Dichloropropane	8.10	63	795804	51.931	ug/l	99
46) Dibromomethane	8.22	93	513202	51.728	ug/l	97
47) Bromodichloromethane	8.49	83	1143646	54.101	ug/l	100
48) Methyl methacrylate	8.25	41	594059	53.387	ug/l	99
49) 1,4-Dioxane	8.23	88	111742	1020.620	ug/l	96
51) 4-Methyl-2-Pentanone	9.34	43	3258024	264.423	ug/l	99
52) Toluene	9.56	92	1870545	49.628	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	1044291	54.597	ug/l	98
54) cis-1,3-Dichloropropene	9.10	75	1239790	52.489	ug/l	99
55) 1,1,2-Trichloroethane	10.19	97	637429	51.731	ug/l	99
56) Ethyl methacrylate	10.03	69	723546	53.195	ug/l	95
57) 1,3-Dichloropropane	10.38	76	987734	52.560	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.93	63	2071408	274.246	ug/l	100
59) 2-Hexanone	10.49	43	2414655	272.536	ug/l	100
60) Dibromochloromethane	10.64	129	815079	53.914	ug/l	98
61) 1,2-Dibromoethane	10.76	107	677553	51.752	ug/l	99
64) Tetrachloroethene	10.26	164	795106	47.431	ug/l	98
65) Chlorobenzene	11.32	112	2096903	50.643	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	715589	51.806	ug/l	100
67) Ethyl Benzene	11.43	91	3421852	51.008	ug/l	100
68) m/p-Xylenes	11.56	106	2566624	102.398	ug/l	99
69) o-Xylene	11.94	106	1255763	50.650	ug/l	99
70) Styrene	11.96	104	2123430	51.215	ug/l	100
71) Bromoform	12.12	173	604562	54.051	ug/l	99
73) Isopropylbenzene	12.27	105	3507894	52.294	ug/l	98
74) N-amyl acetate	12.14	43	1266659	51.551	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	750651	51.258	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	752431	51.384	ug/l	100
77) Bromobenzene	12.54	156	979849	50.266	ug/l	100
78) n-propylbenzene	12.64	91	4252110	51.049	ug/l	99
79) 2-Chlorotoluene	12.71	91	2354409	50.929	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	2627008	50.600	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	225779	54.873	ug/l	98
82) 4-Chlorotoluene	12.81	91	2605215	49.824	ug/l	97
83) tert-Butylbenzene	13.05	119	3096662	51.977	ug/l	97
84) 1,2,4-Trimethylbenzene	13.10	105	2822489	51.583	ug/l	100
85) sec-Butylbenzene	13.23	105	3670499	52.106	ug/l	98
86) p-Isopropyltoluene	13.35	119	3000580	51.933	ug/l	99
87) 1,3-Dichlorobenzene	13.32	146	1683425	49.568	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	1679264	49.226	ug/l	99
89) n-Butylbenzene	13.65	91	2898784	51.418	ug/l	98
90) Hexachloroethane	13.86	117	740959	55.412	ug/l	87
91) 1,2-Dichlorobenzene	13.66	146	1436855	50.316	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	101704	52.012	ug/l	83

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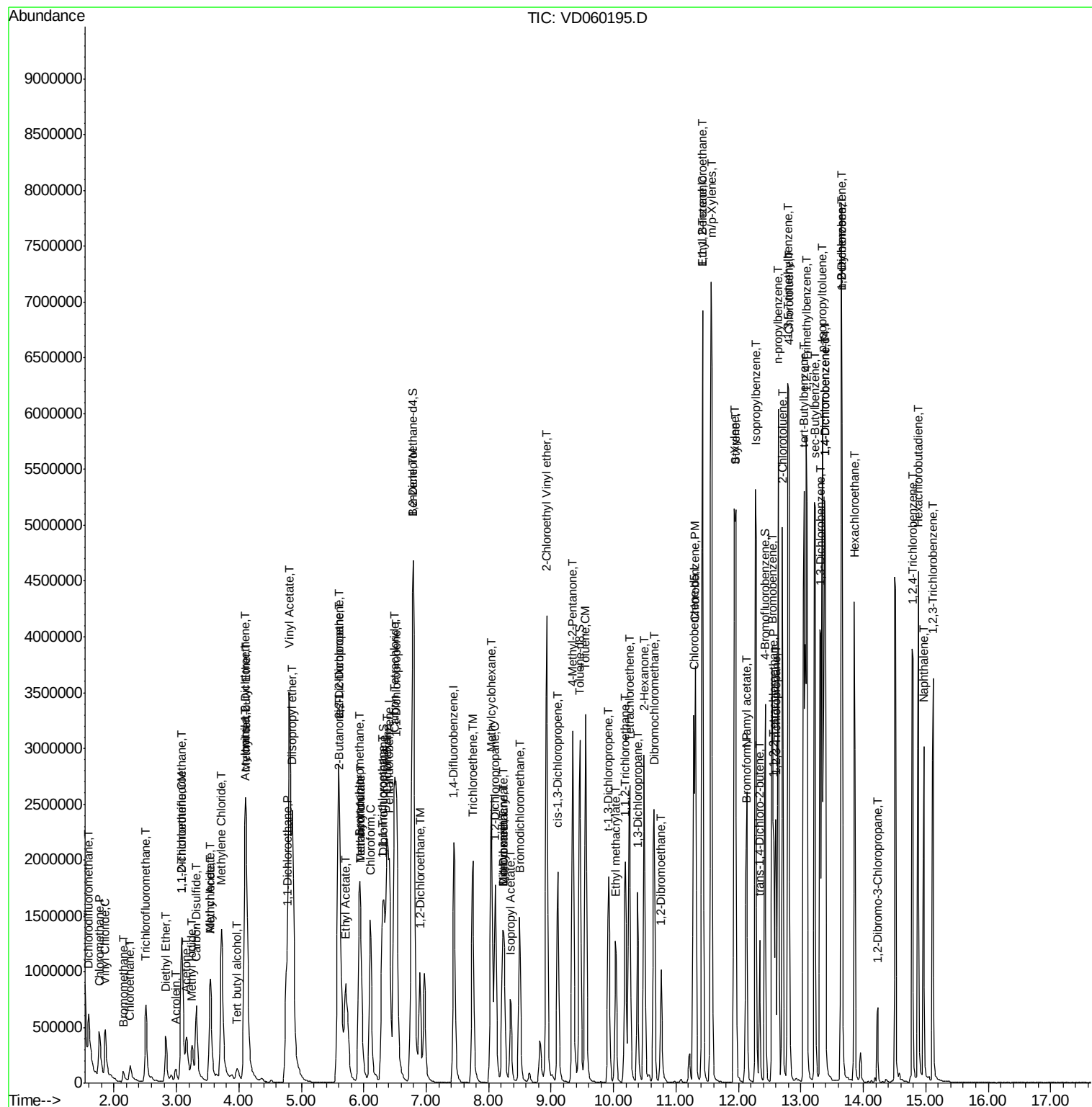
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1230972	50.786	ug/l	97
94) Hexachlorobutadiene	14.88	225	832130	51.648	ug/l	99
95) Naphthalene	14.97	128	1806702	50.286	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	1032562	48.971	ug/l	98

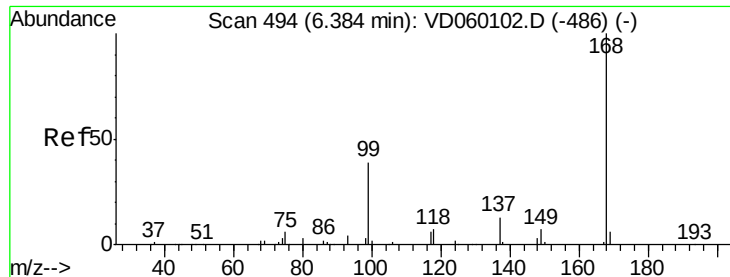
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

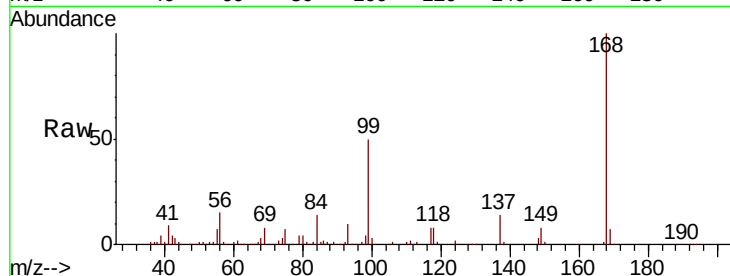
VSTDCCC050

Tot Ion:168 Resp: 1619552

Ion Ratio Lower Upper

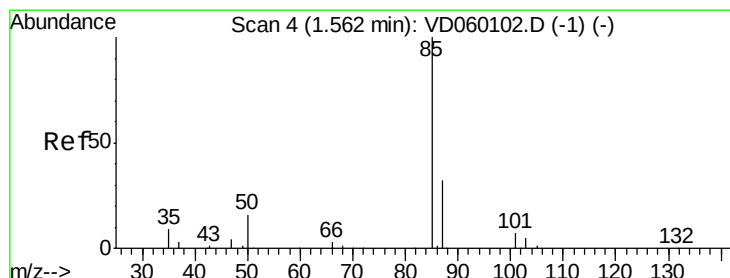
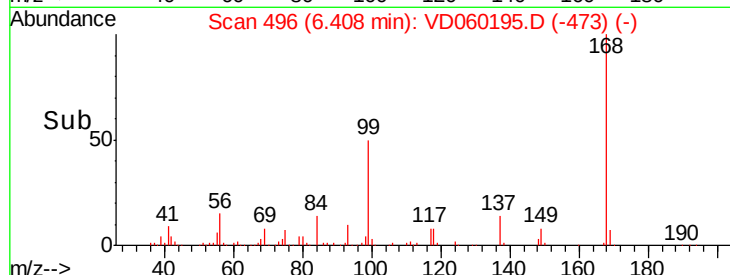
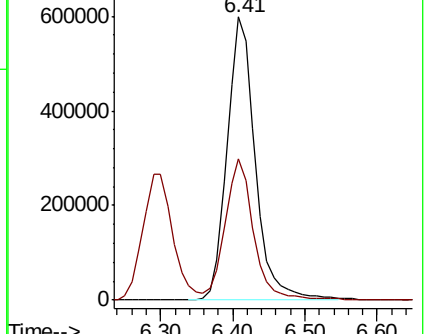
168 100

99 49.9 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 48.643 ug/l

RT: 1.60 min Scan# 7

Delta R.T. 0.03 min

Lab File: VD060195.D

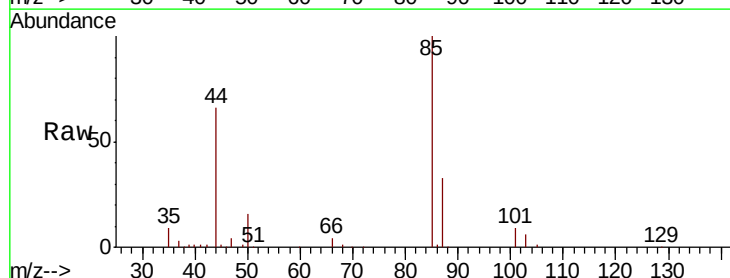
Acq: 25 Oct 2018 14:50

Tgt Ion: 85 Resp: 741067

Ion Ratio Lower Upper

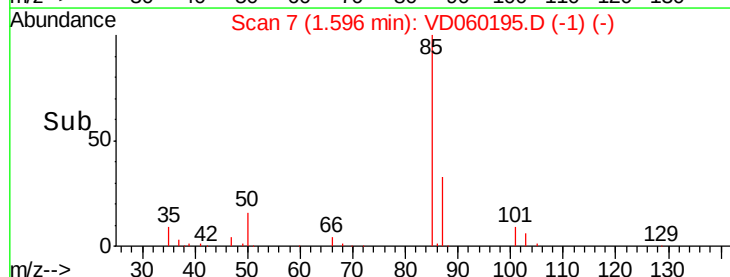
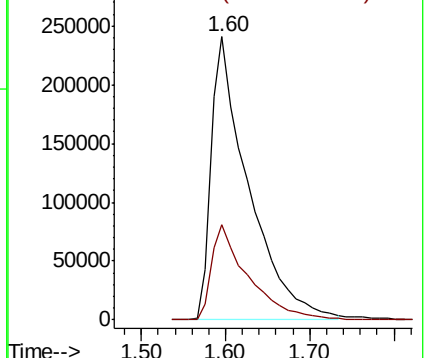
85 100

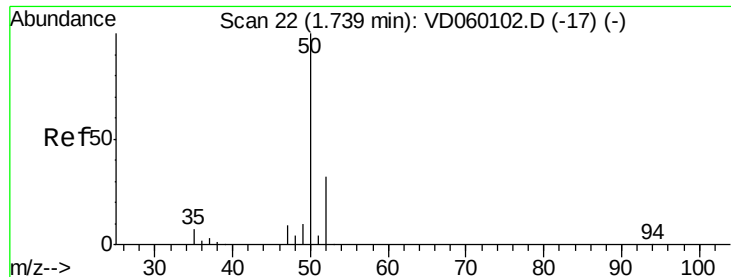
87 33.5 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 53.359 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.02 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

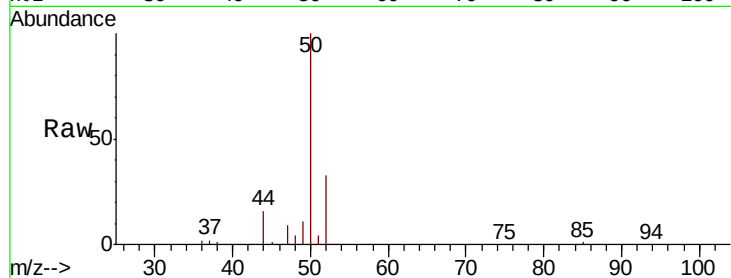
VSTDCCC050

Tot Ion: 50 Resp: 733015

Ion Ratio Lower Upper

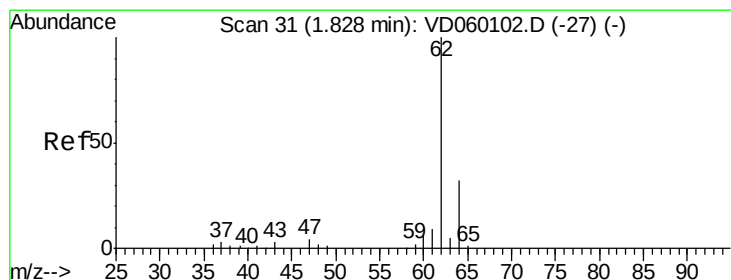
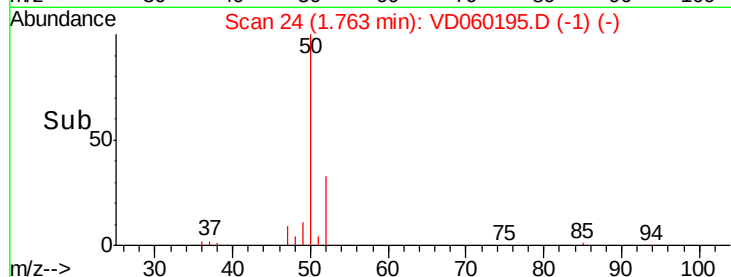
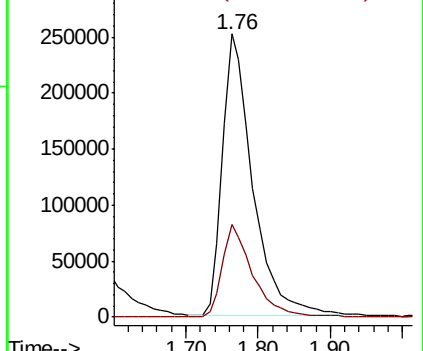
50 100

52 32.5 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 55.309 ug/l

RT: 1.86 min Scan# 34

Delta R.T. 0.03 min

Lab File: VD060195.D

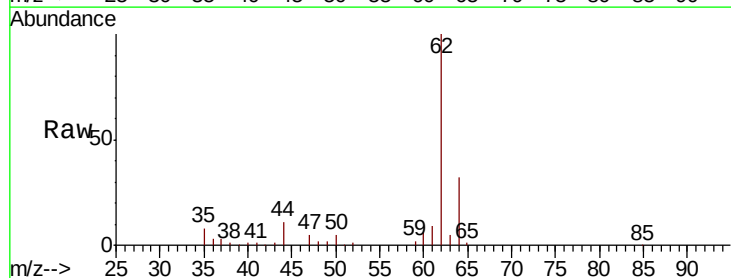
Acq: 25 Oct 2018 14:50

Tgt Ion: 62 Resp: 621805

Ion Ratio Lower Upper

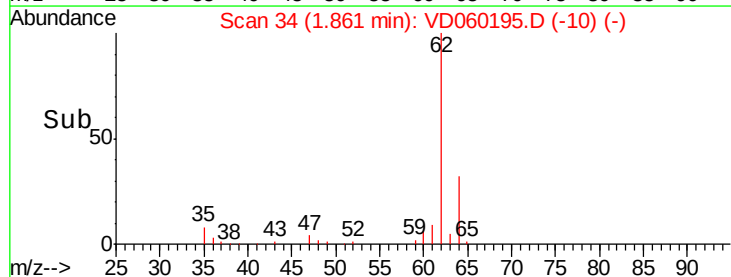
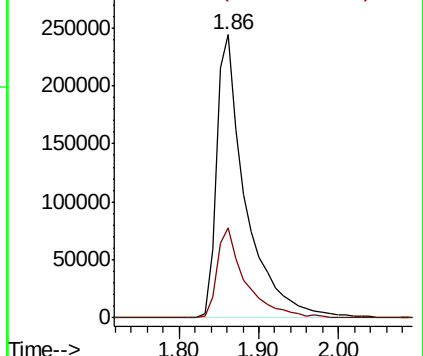
62 100

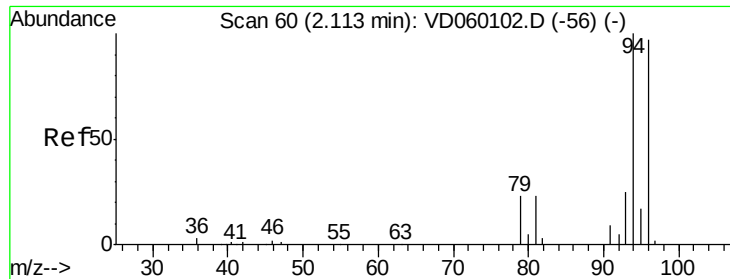
64 31.8 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 63.109 ug/l

RT: 2.15 min Scan# 63

Delta R.T. 0.03 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

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ClientSampleId :

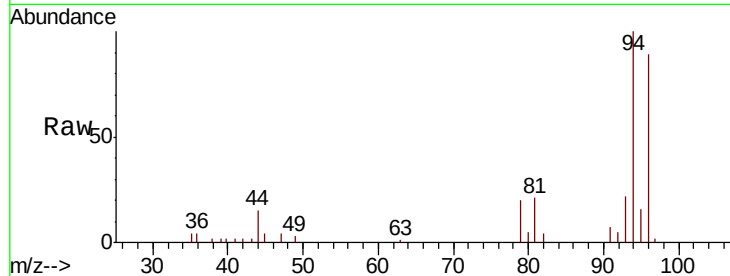
VSTDCCC050

Tot Ion: 94 Resp: 89087

Ion Ratio Lower Upper

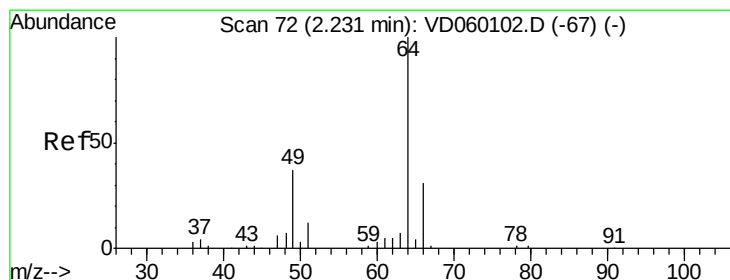
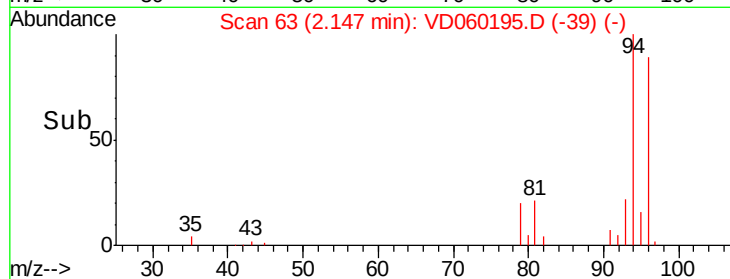
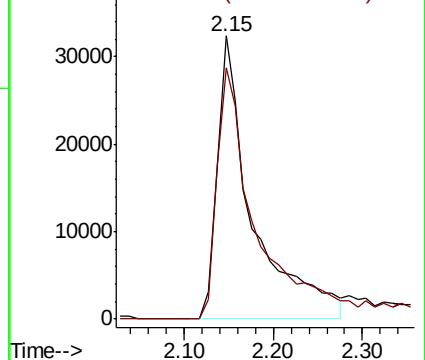
94 100

96 89.0 77.4 116.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 54.163 ug/l

RT: 2.26 min Scan# 74

Delta R.T. 0.02 min

Lab File: VD060195.D

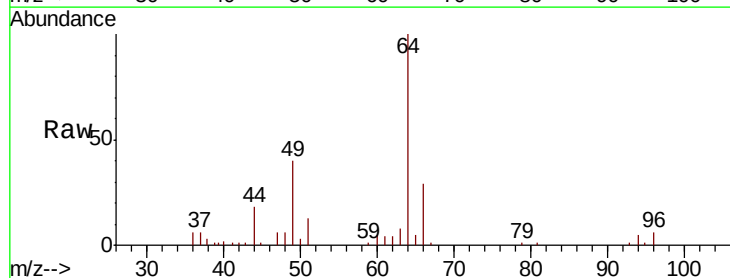
Acq: 25 Oct 2018 14:50

Tgt Ion: 64 Resp: 166165

Ion Ratio Lower Upper

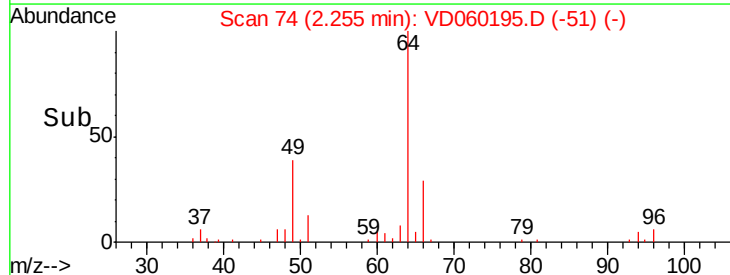
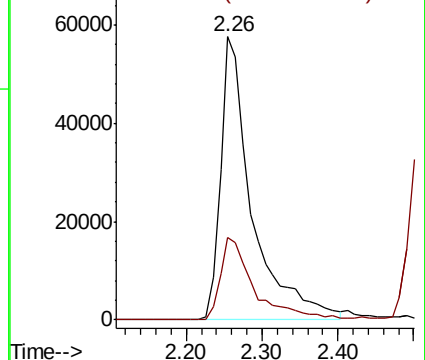
64 100

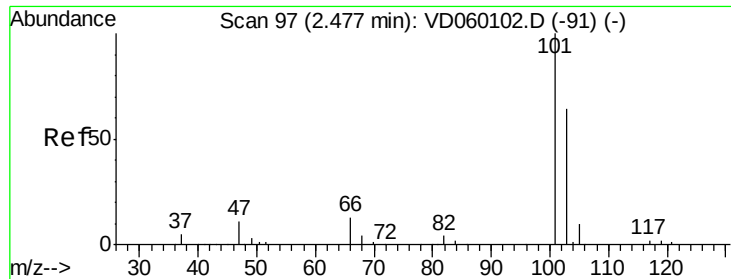
66 28.9 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



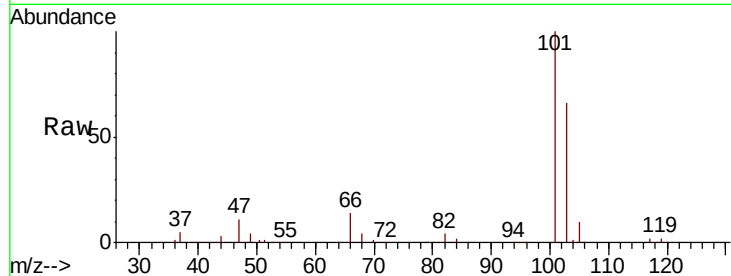


#7

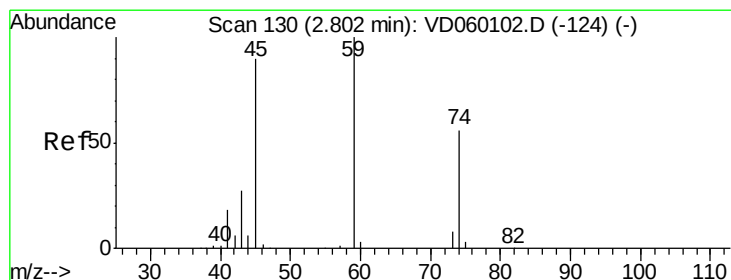
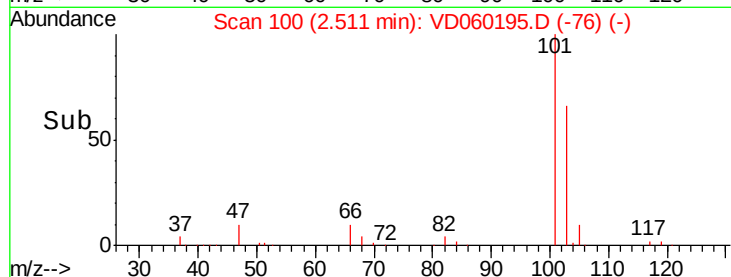
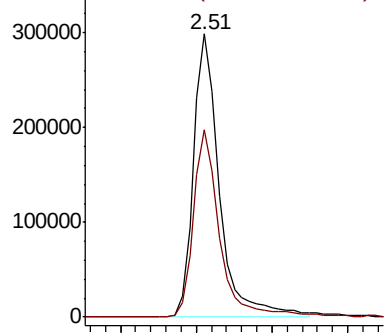
Trichlorofluoromethane
 Concen: 52.863 ug/l
 RT: 2.51 min Scan# 100
 Delta R.T. 0.03 min
 Lab File: VD060195.D
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Tot Ion:101 Resp: 711599
 Ion Ratio Lower Upper
 101 100
 103 66.1 51.5 77.3



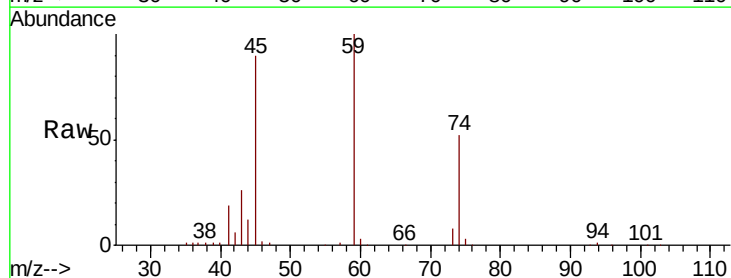
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



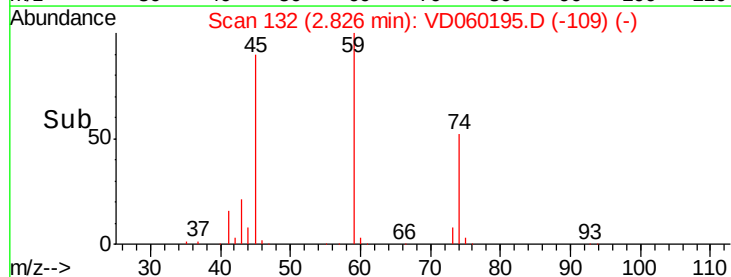
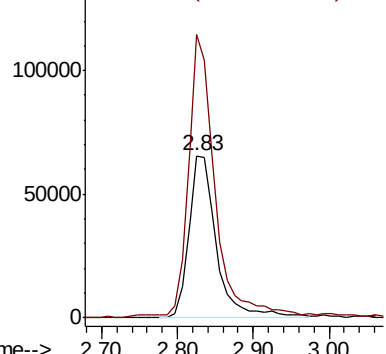
#8

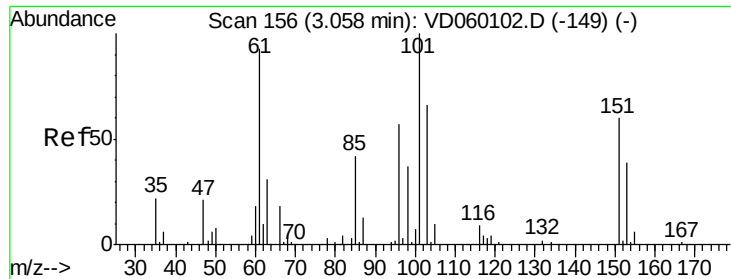
Diethyl Ether
 Concen: 60.291 ug/l
 RT: 2.83 min Scan# 132
 Delta R.T. 0.02 min
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Tgt Ion: 74 Resp: 166889
 Ion Ratio Lower Upper
 74 100
 45 174.9 80.3 241.0



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: 59.585 ug/l

RT: 3.09 min Scan# 159

Delta R.T. 0.03 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

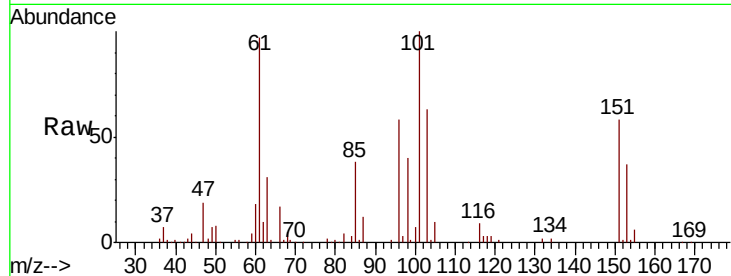
Tot Ion:101 Resp: 499690

Ion Ratio Lower Upper

101 100

85 37.7 33.4 50.0

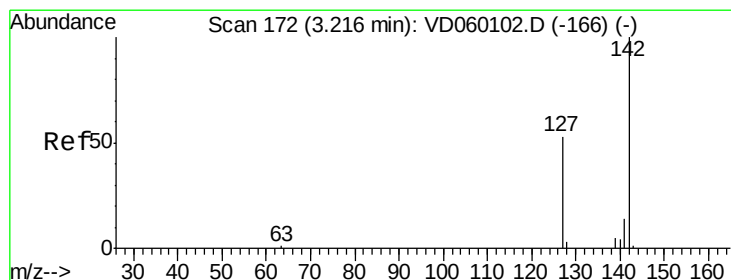
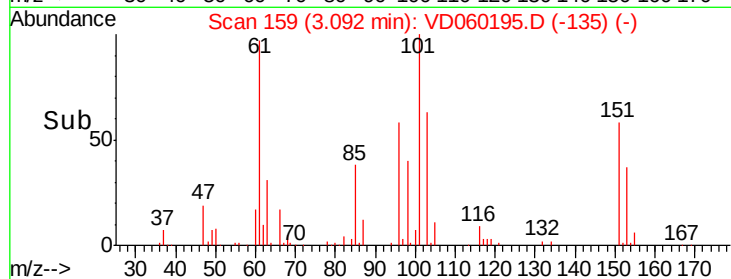
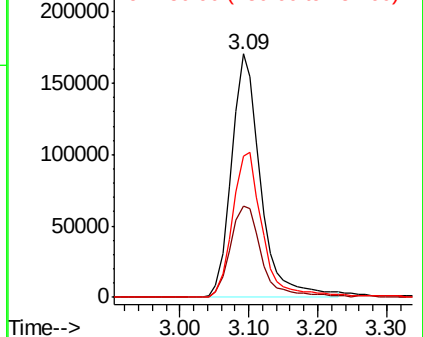
151 58.0 48.0 72.0



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: 59.411 ug/l

RT: 3.25 min Scan# 175

Delta R.T. 0.03 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

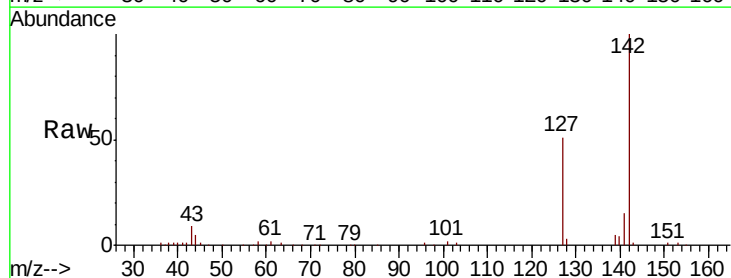
Tgt Ion:142 Resp: 528356

Ion Ratio Lower Upper

142 100

127 50.8 42.0 63.0

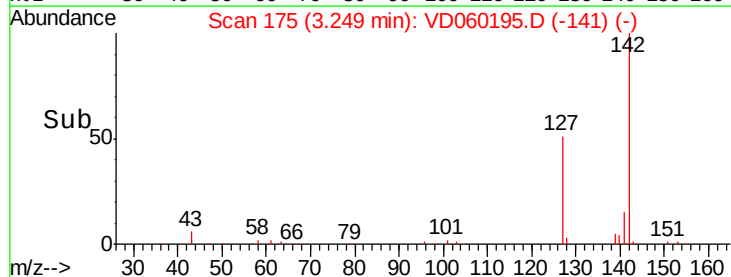
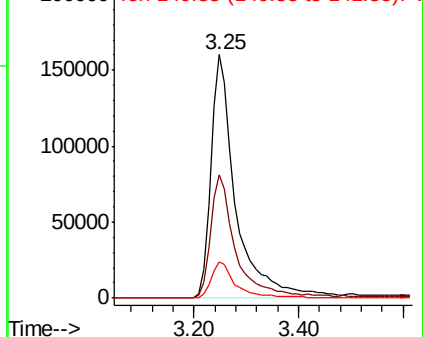
141 14.7 11.4 17.0

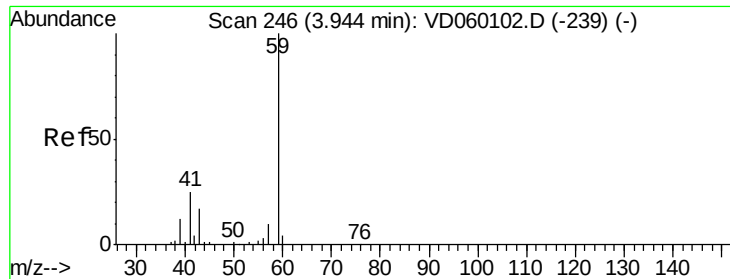


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

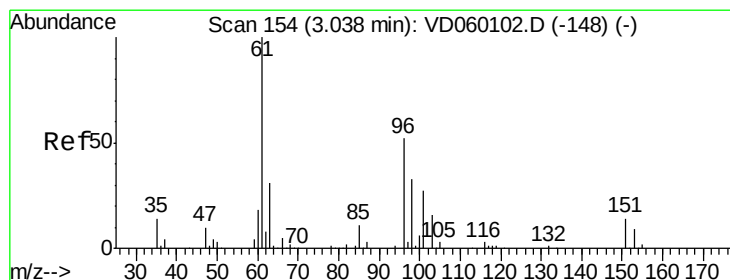
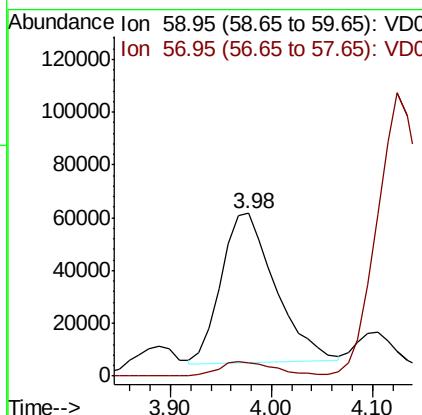
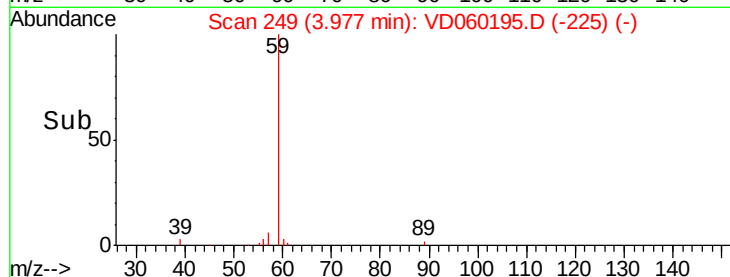
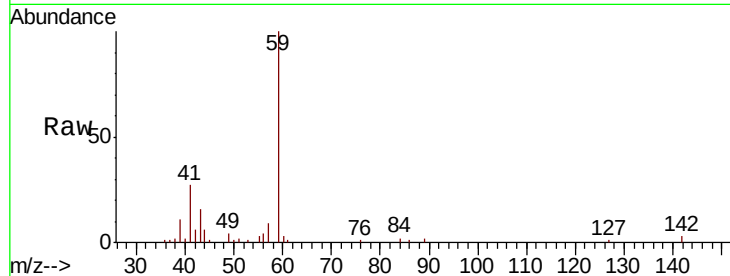




#11
Tert butyl alcohol
Concen: 239.261 ug/l
RT: 3.98 min Scan# 249
Delta R.T. 0.03 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

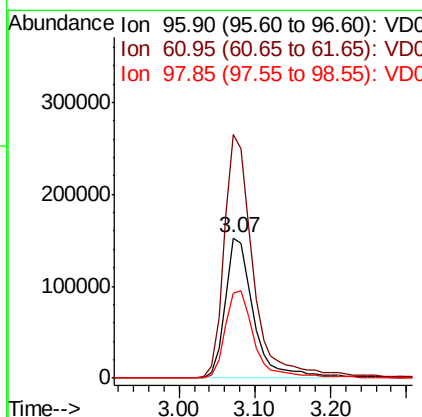
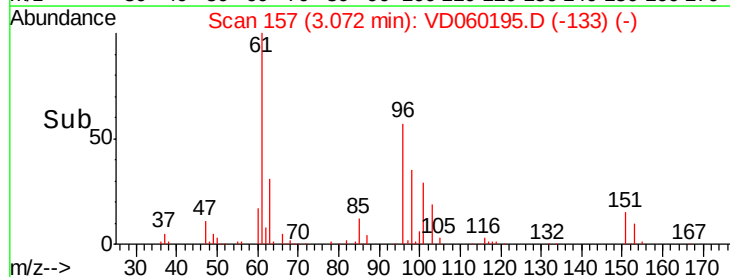
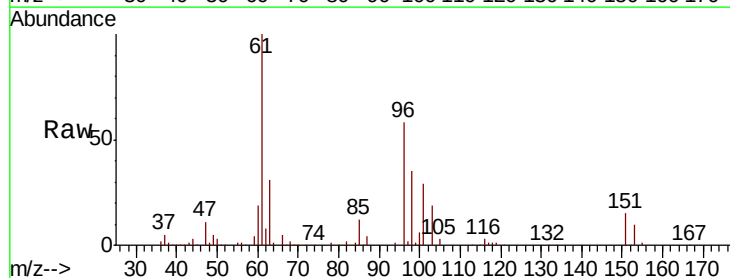
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

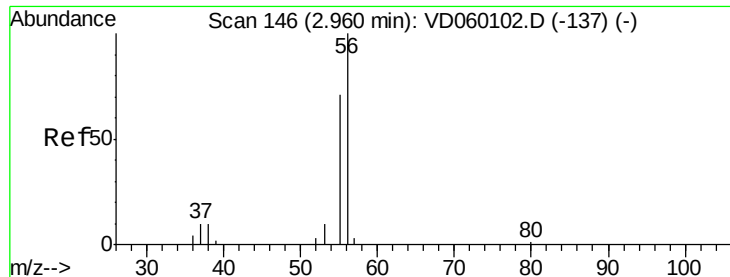
Tot Ion: 59 Resp: 210657
Ion Ratio Lower Upper
59 100
57 8.6 7.8 11.6



#12
1,1-Dichloroethene
Concen: 59.816 ug/l
RT: 3.07 min Scan# 157
Delta R.T. 0.03 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Tgt Ion: 96 Resp: 395179
Ion Ratio Lower Upper
96 100
61 173.6 153.0 229.4
98 60.4 51.1 76.7





#13

Acrolein

Concen: 254.214 ug/l

RT: 2.99 min Scan# 149

Delta R.T. 0.03 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

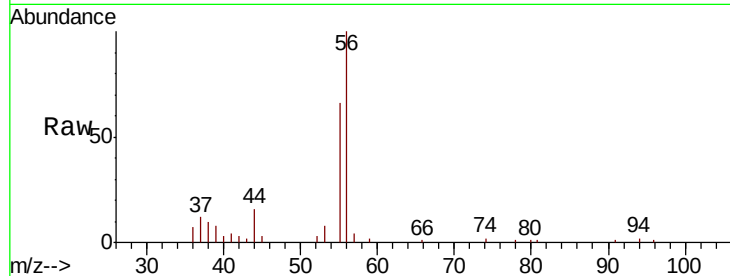
VSTDCCC050

Tot Ion: 56 Resp: 137975

Ion Ratio Lower Upper

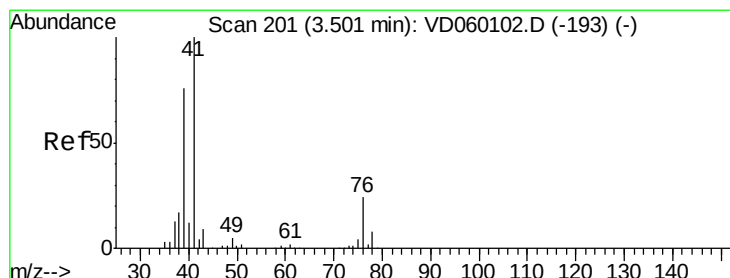
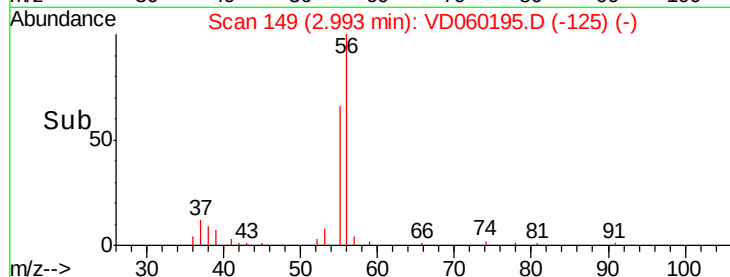
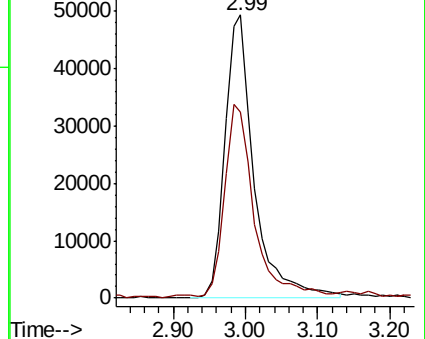
56 100

55 65.9 57.4 86.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 59.221 ug/l

RT: 3.54 min Scan# 205

Delta R.T. 0.04 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

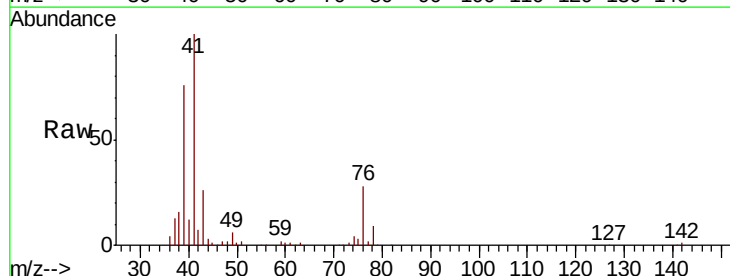
Tgt Ion: 41 Resp: 812590

Ion Ratio Lower Upper

41 100

39 75.6 60.6 90.8

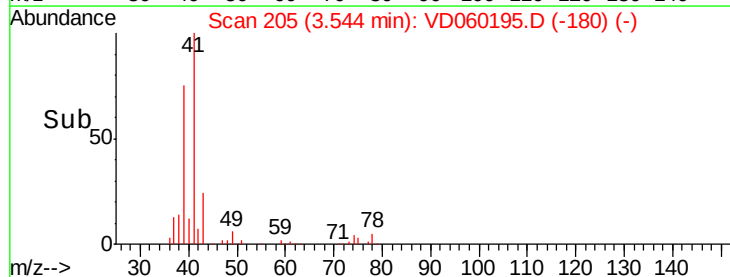
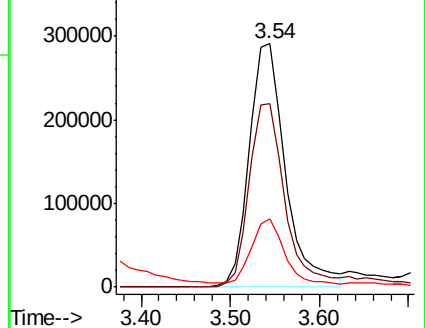
76 27.8 21.3 31.9

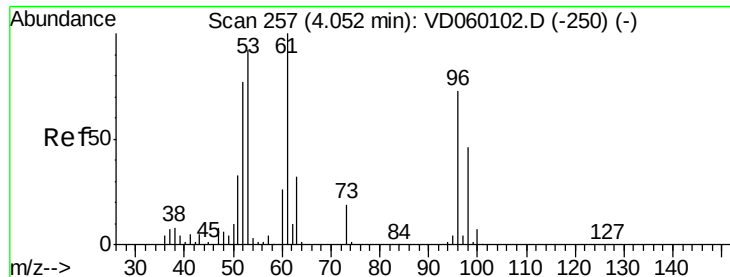


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 275.485 ug/l

RT: 4.09 min Scan# 260

Delta R.T. 0.03 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

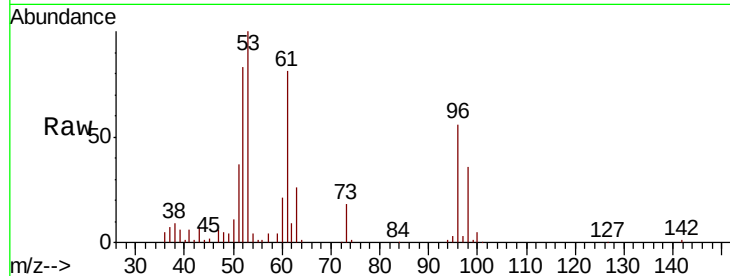
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 1003945

Ion	Ratio	Lower	Upper
53	100		
52	82.8	67.5	101.3
51	37.0	29.3	43.9

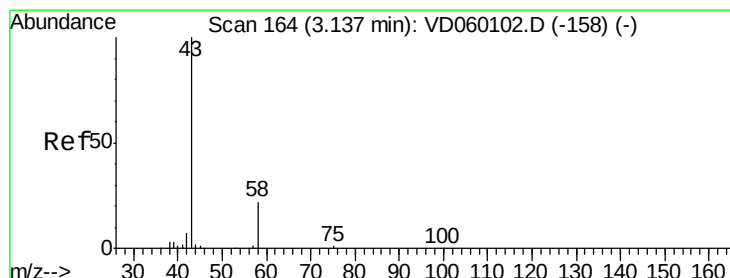
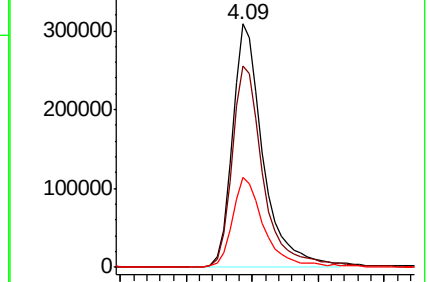
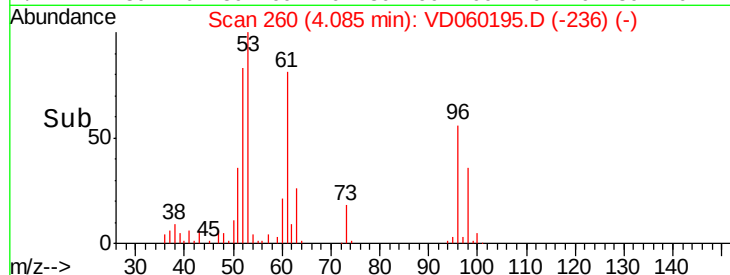


Abundance

Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 332.023 ug/l

RT: 3.16 min Scan# 166

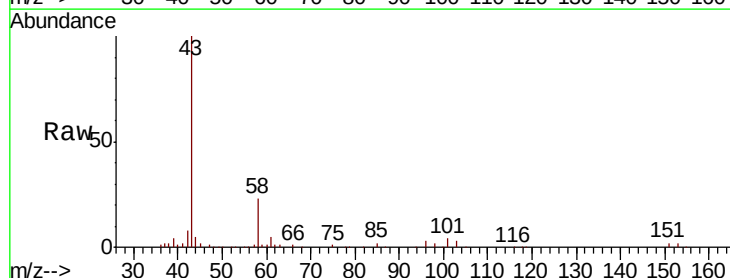
Delta R.T. 0.02 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Tgt Ion: 43 Resp: 739616

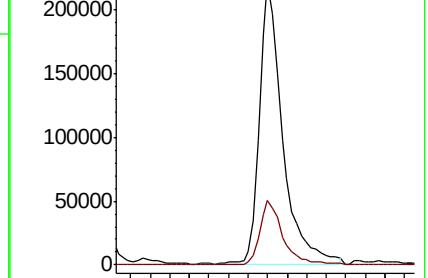
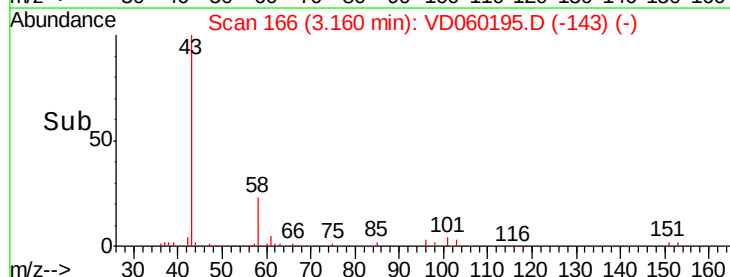
Ion	Ratio	Lower	Upper
43	100		
58	22.8	17.7	26.5

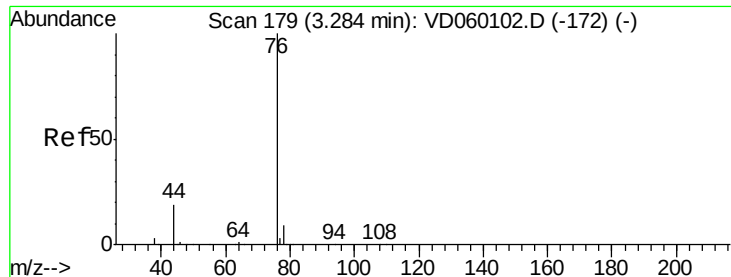


Abundance

Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 53.870 ug/l

RT: 3.32 min Scan# 182

Delta R.T. 0.03 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

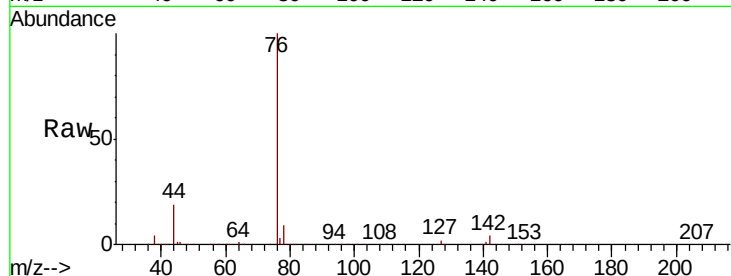
VSTDCCC050

Tot Ion: 76 Resp: 1196808

Ion Ratio Lower Upper

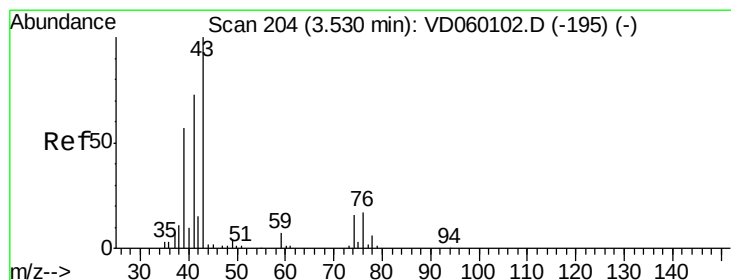
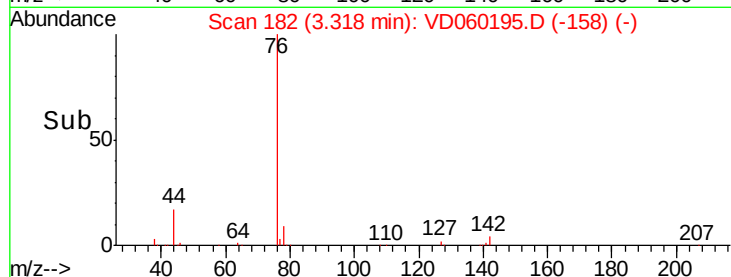
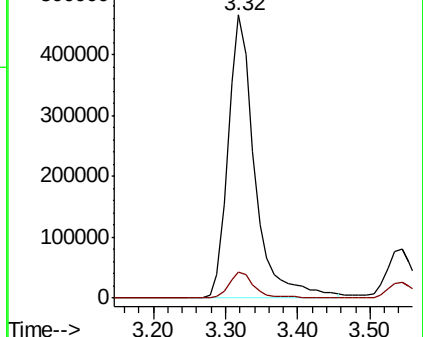
76 100

78 9.1 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 75.243 ug/l

RT: 3.55 min Scan# 206

Delta R.T. 0.02 min

Lab File: VD060195.D

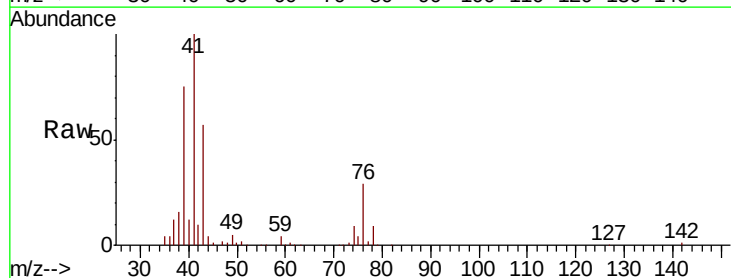
Acq: 25 Oct 2018 14:50

Tgt Ion: 43 Resp: 360256

Ion Ratio Lower Upper

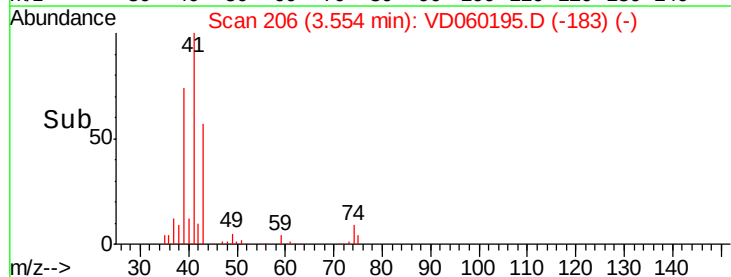
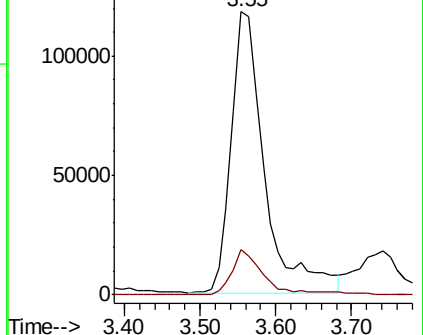
43 100

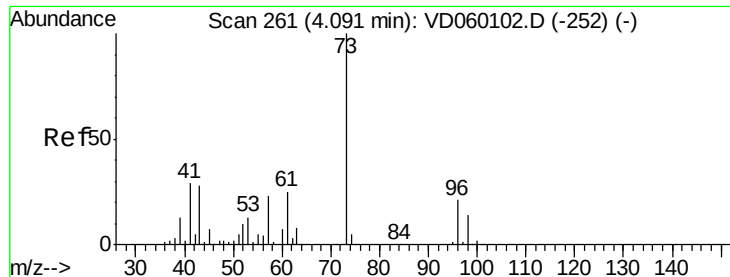
74 15.9 12.6 19.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

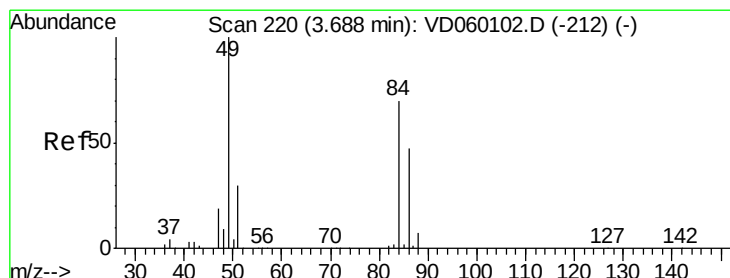
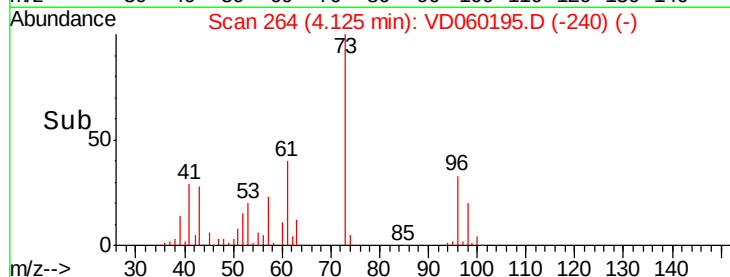
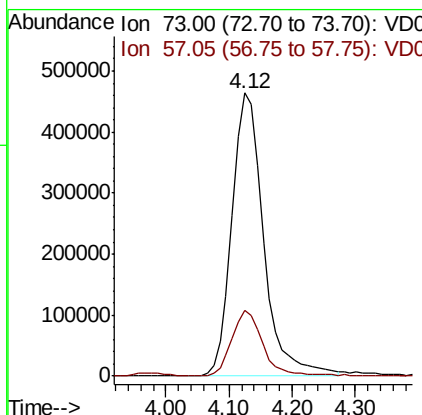
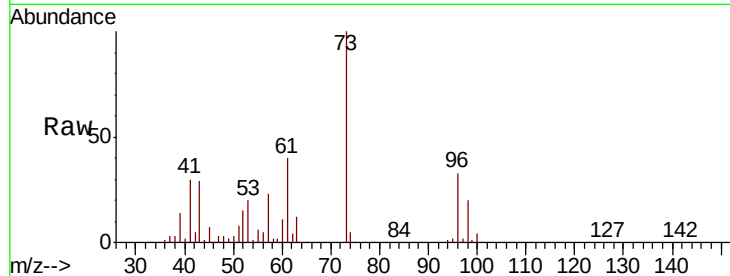




#19
Methyl tert-butyl Ether
Concen: 55.672 ug/l
RT: 4.12 min Scan# 264
Delta R.T. 0.03 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

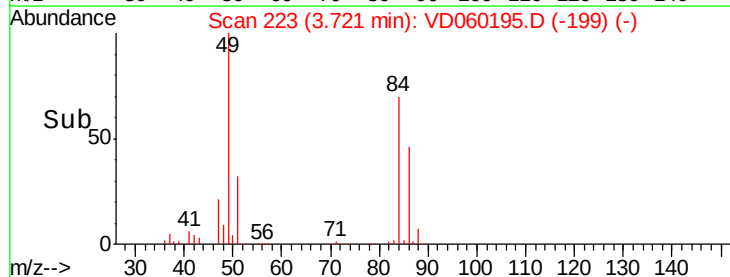
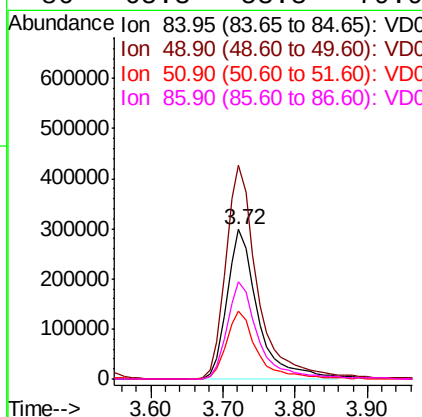
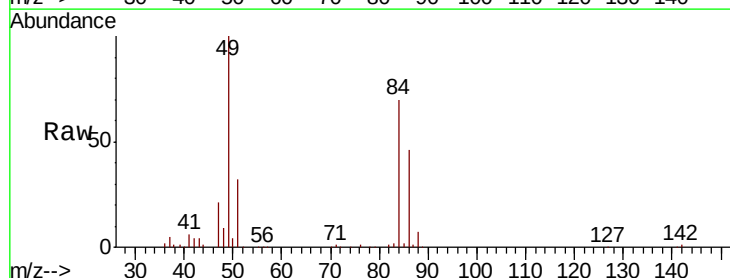
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

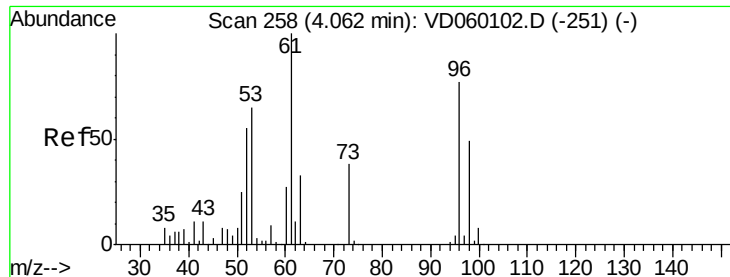
Tot Ion: 73 Resp: 1617125
Ion Ratio Lower Upper
73 100
57 23.1 18.7 28.1



#20
Methylene Chloride
Concen: 50.719 ug/l
RT: 3.72 min Scan# 223
Delta R.T. 0.03 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Tgt Ion: 84 Resp: 888234
Ion Ratio Lower Upper
84 100
49 143.1 114.6 172.0
51 45.2 33.8 50.8
86 65.3 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 51.698 ug/l

RT: 4.11 min Scan# 262

Delta R.T. 0.04 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

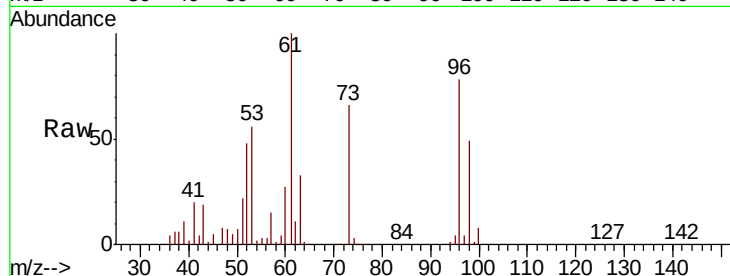
Tot Ion: 96 Resp: 882107

Ion Ratio Lower Upper

96 100

61 127.4 103.3 154.9

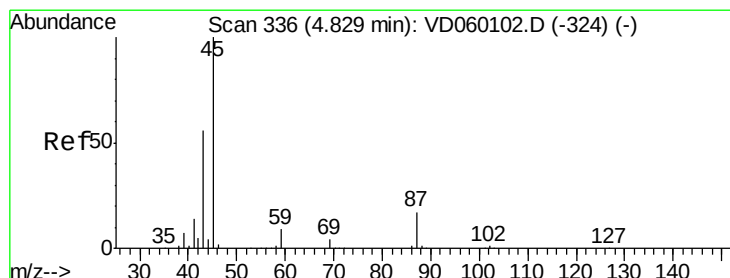
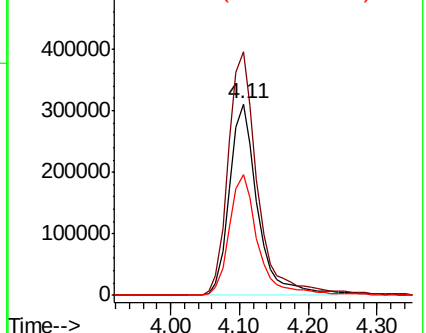
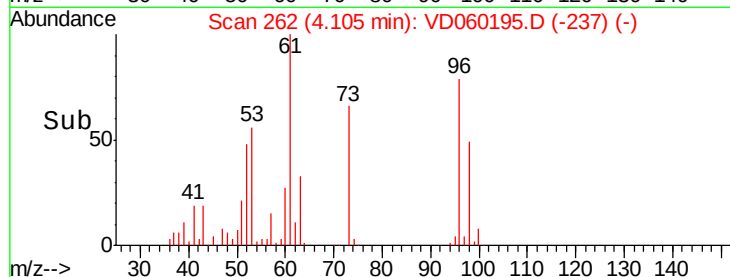
98 62.9 50.4 75.6



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: 54.827 ug/l

RT: 4.85 min Scan# 338

Delta R.T. 0.02 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Tgt Ion: 45 Resp: 3359688

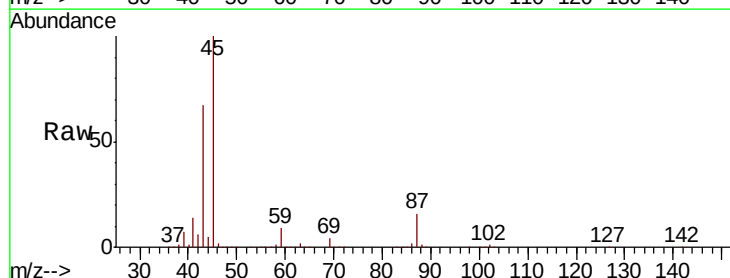
Ion Ratio Lower Upper

45 100

43 67.5 44.8 67.2#

87 16.4 13.9 20.9

59 8.8 7.1 10.7

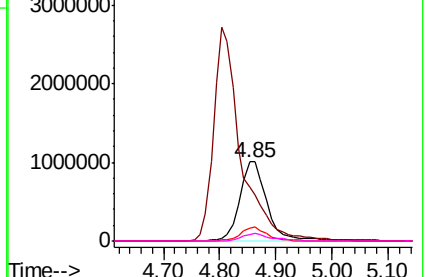
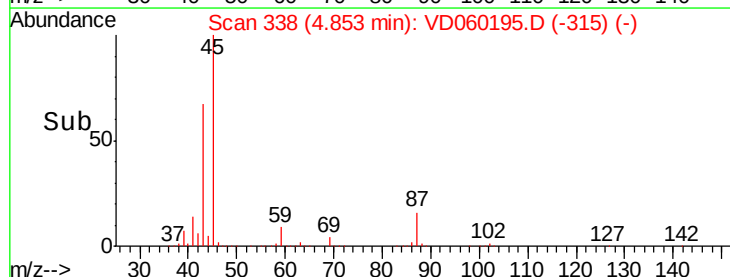


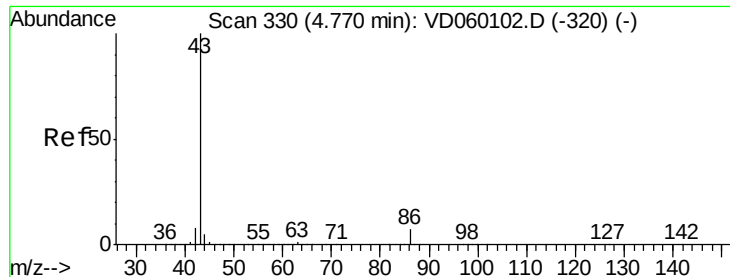
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 265.280 ug/l

RT: 4.80 min Scan# 333

Delta R.T. 0.03 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

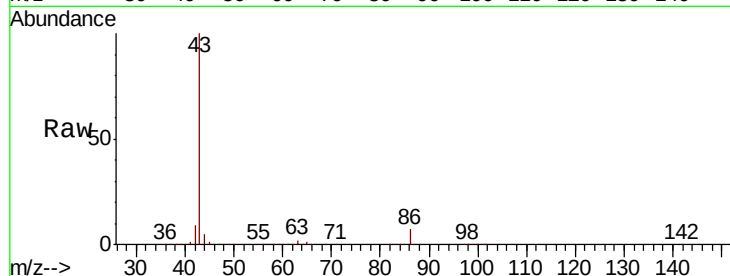
VSTDCCC050

Tot Ion: 43 Resp: 9137484

Ion Ratio Lower Upper

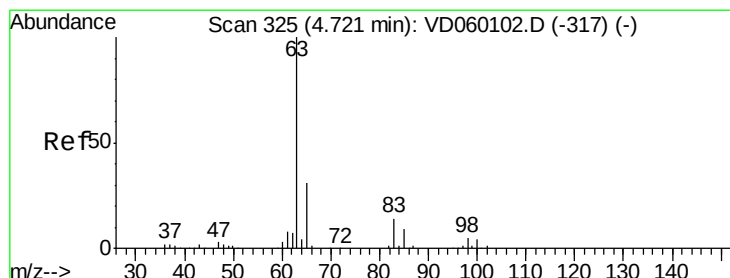
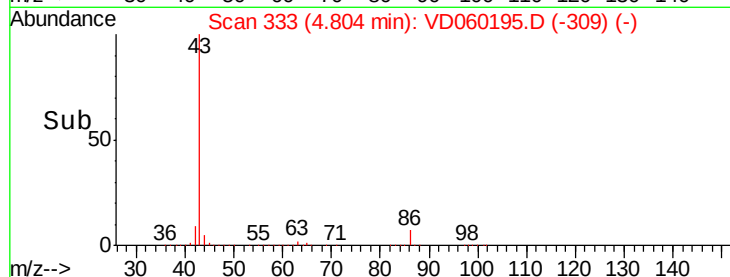
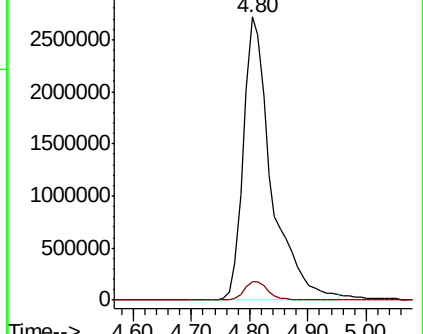
43 100

86 6.6 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 54.460 ug/l

RT: 4.76 min Scan# 329

Delta R.T. 0.04 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

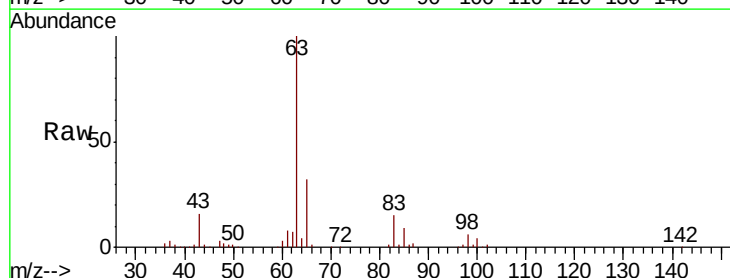
Tgt Ion: 63 Resp: 1513123

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.3

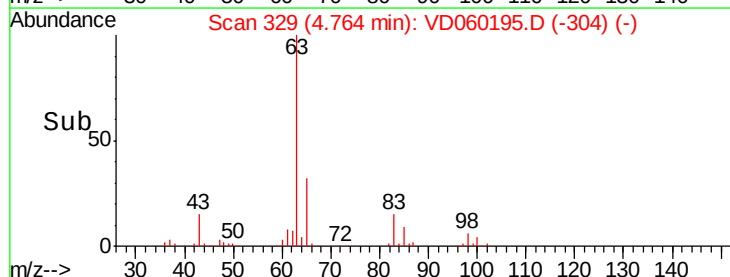
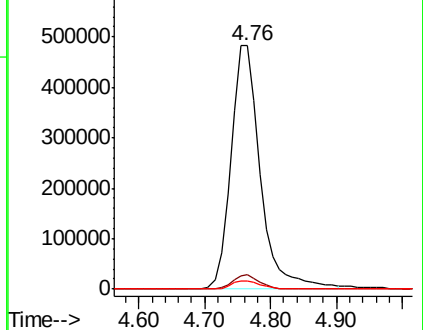
100 3.6 1.8 5.3

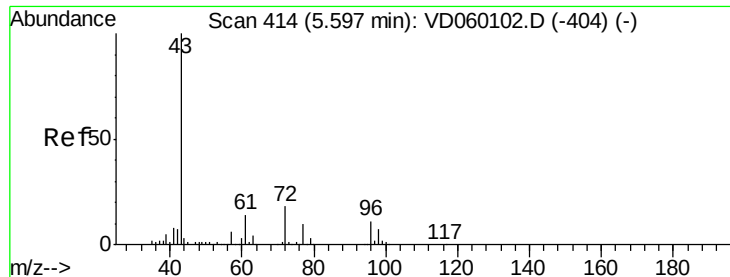


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 288.961 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

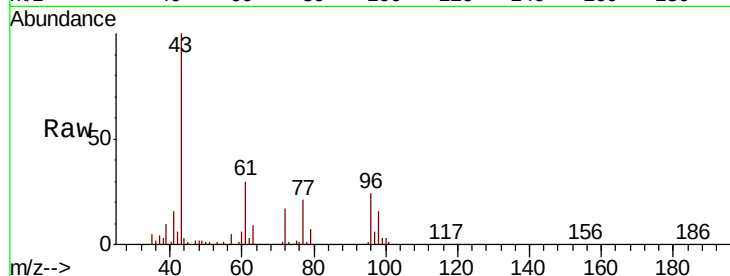
VSTDCCC050

Tot Ion: 43 Resp: 1608101

Ion Ratio Lower Upper

43 100

72 16.6 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

600000

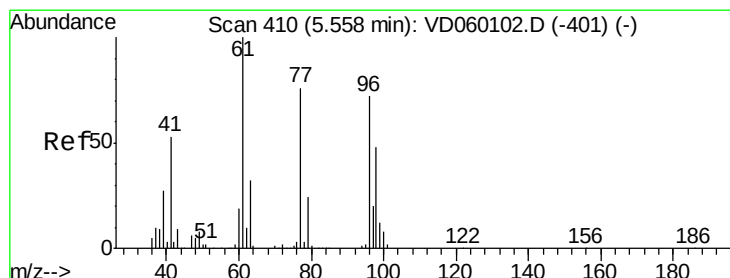
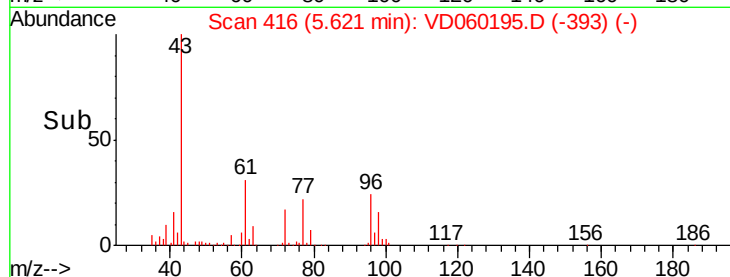
400000

200000

0

5.50 5.60 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 58.133 ug/l

RT: 5.59 min Scan# 413

Delta R.T. 0.03 min

Lab File: VD060195.D

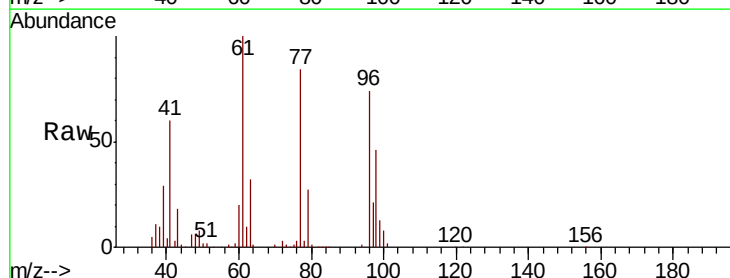
Acq: 25 Oct 2018 14:50

Tgt Ion: 77 Resp: 1224441

Ion Ratio Lower Upper

77 100

97 25.3 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

400000

300000

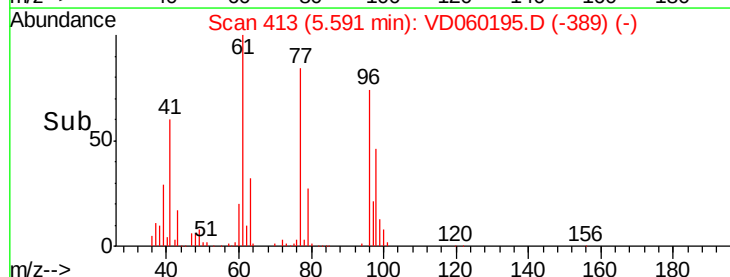
200000

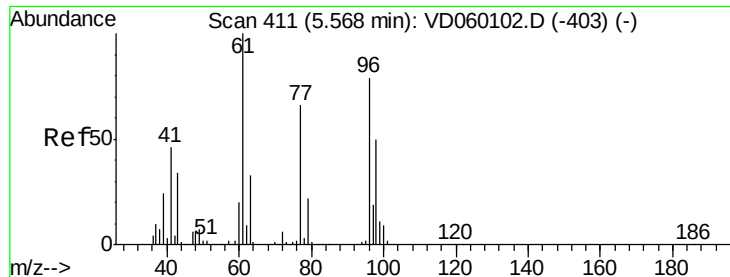
100000

0

5.40 5.50 5.60 5.70 5.80

Time-->



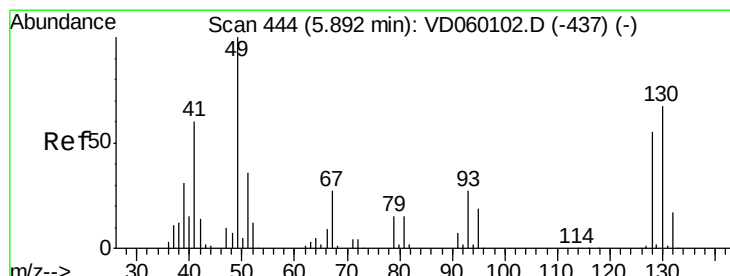
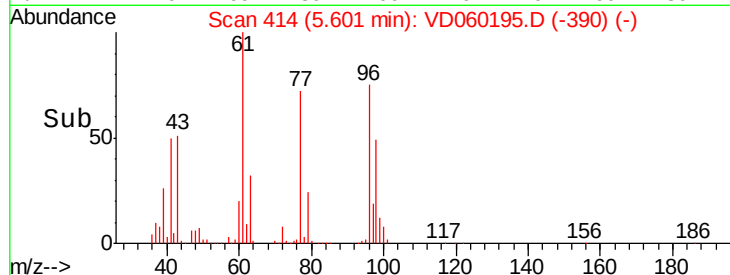
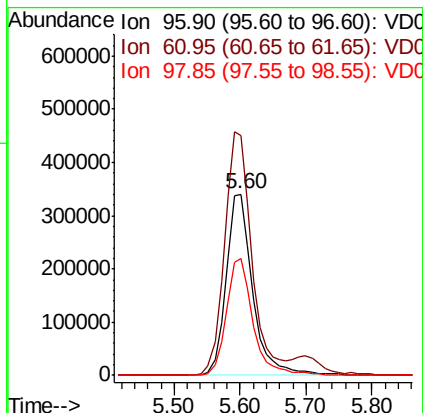
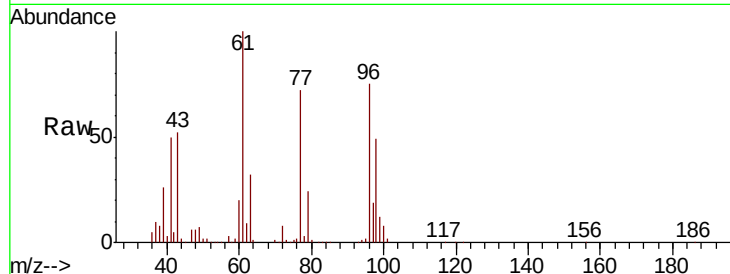


#27

cis-1,2-Dichloroethene
 Concen: 53.325 ug/l
 RT: 5.60 min Scan# 414
 Delta R.T. 0.03 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

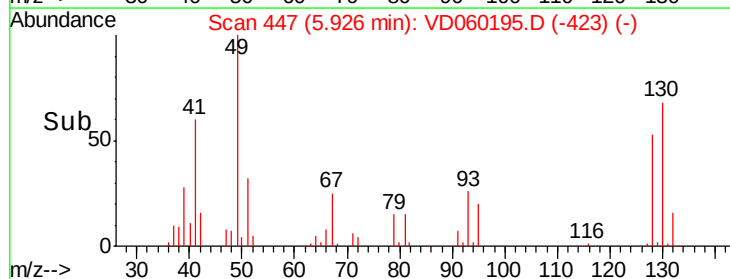
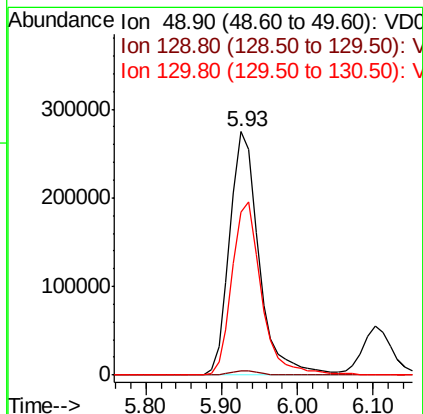
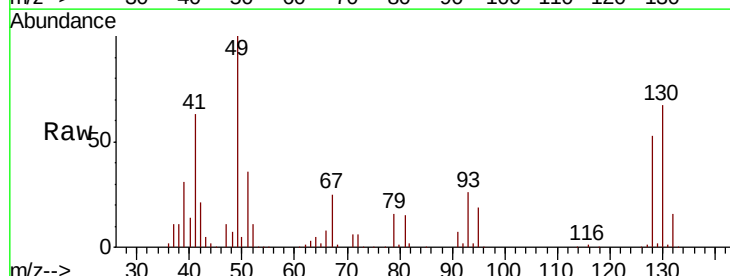
Tot Ion: 96 Resp: 964008
 Ion Ratio Lower Upper
 96 100
 61 132.5 0.0 251.8
 98 64.6 0.0 125.2

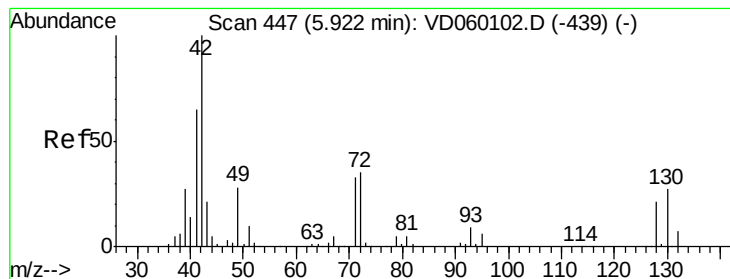


#28

Bromochloromethane
 Concen: 54.609 ug/l
 RT: 5.93 min Scan# 447
 Delta R.T. 0.03 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Tgt Ion: 49 Resp: 737312
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.6
 130 67.2 53.9 80.9





#29

Tetrahydrofuran

Concen: 253.567 ug/l

RT: 5.96 min Scan# 450

Delta R.T. 0.03 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

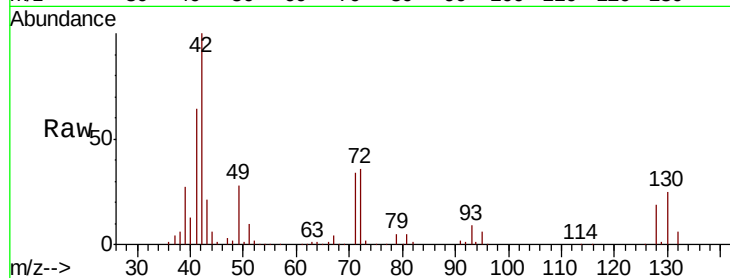
Tot Ion: 42 Resp: 819653

Ion Ratio Lower Upper

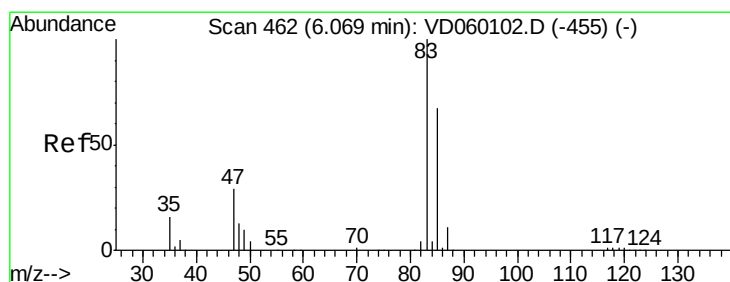
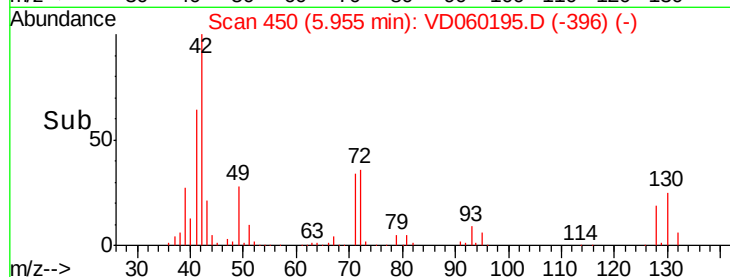
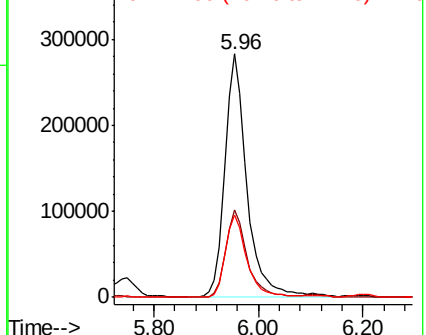
42 100

72 34.8 26.9 40.3

71 33.3 26.7 40.1



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: 53.999 ug/l

RT: 6.10 min Scan# 465

Delta R.T. 0.03 min

Lab File: VD060195.D

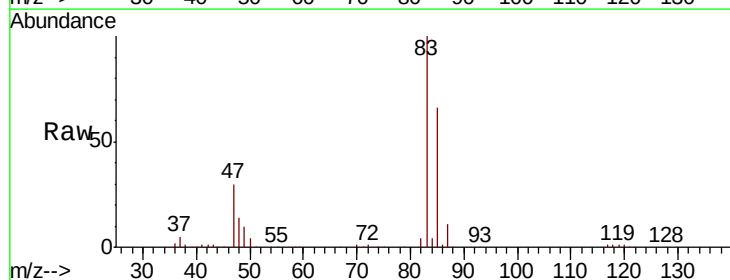
Acq: 25 Oct 2018 14:50

Tgt Ion: 83 Resp: 1517645

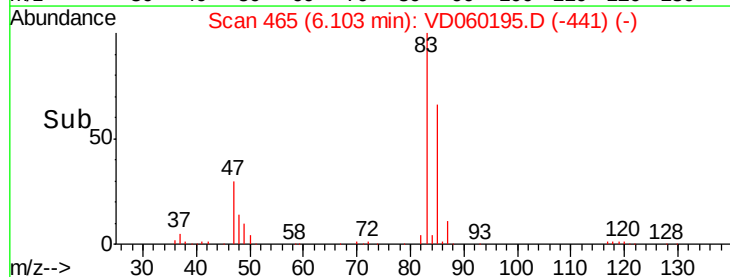
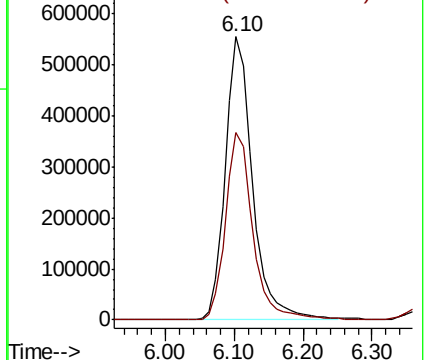
Ion Ratio Lower Upper

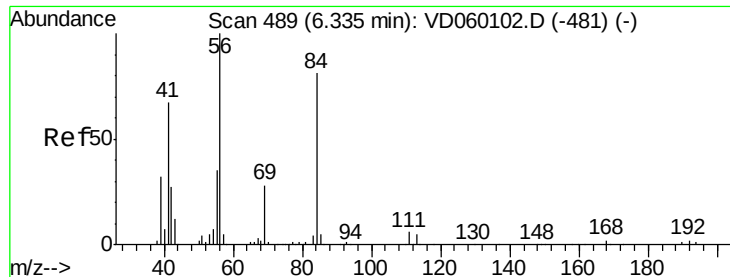
83 100

85 66.3 53.8 80.8



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

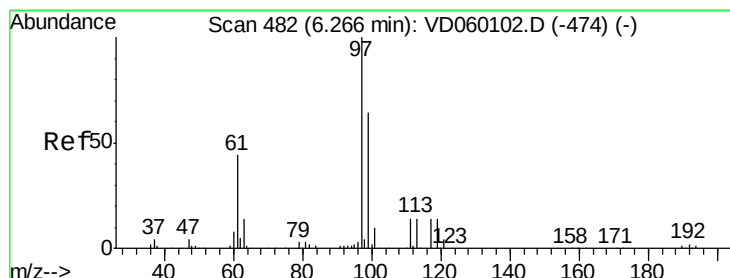
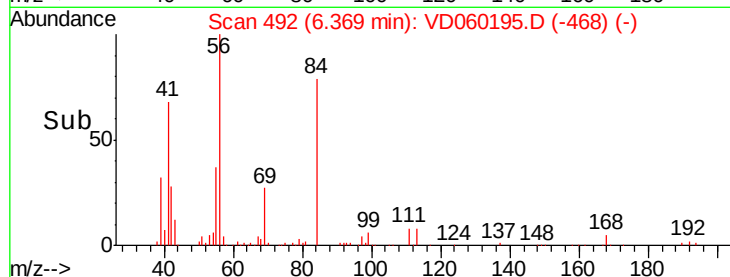
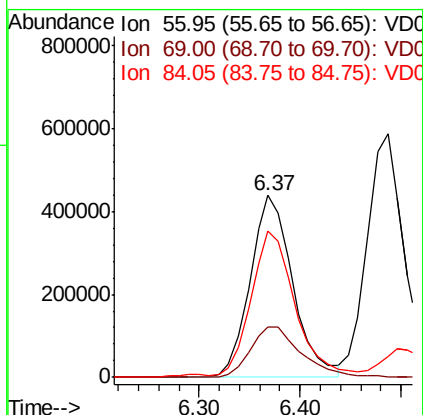
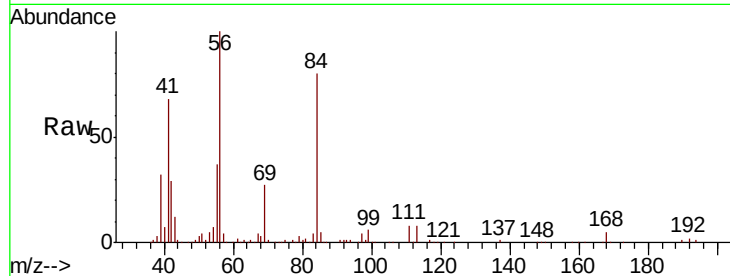




#31
Cyclohexane
Concen: 48.372 ug/l
RT: 6.37 min Scan# 492
Delta R.T. 0.03 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

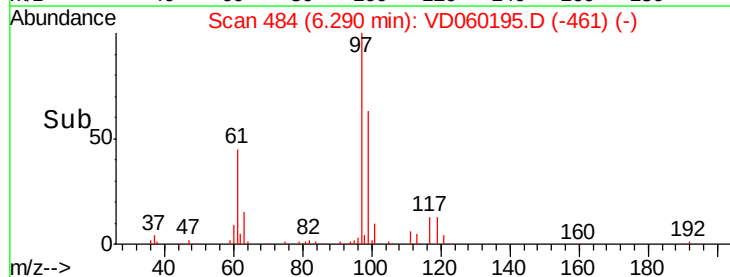
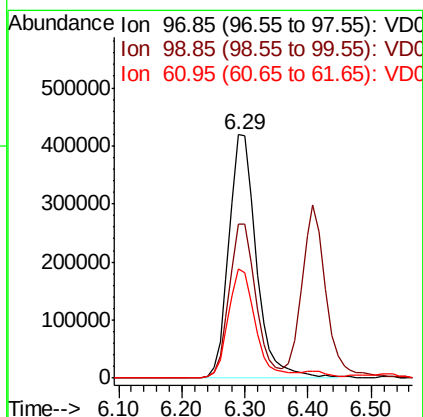
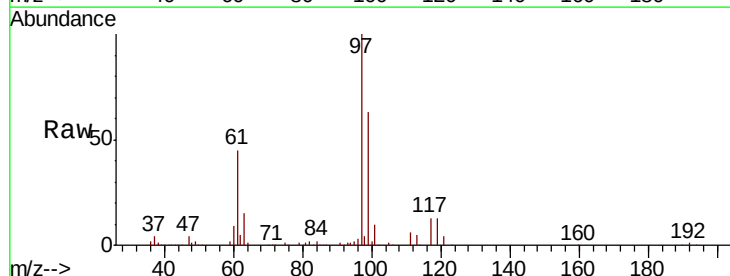
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

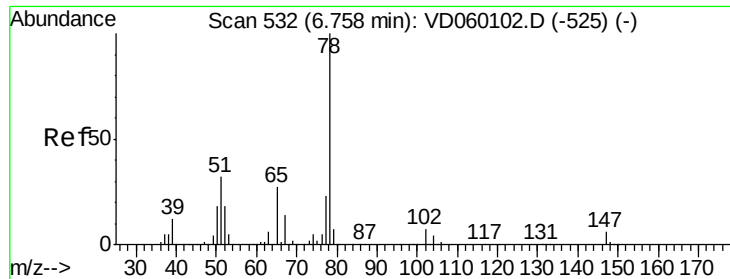
Tot Ion: 56 Resp: 1286524
Ion Ratio Lower Upper
56 100
69 27.4 22.8 34.2
84 80.5 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 54.883 ug/l
RT: 6.29 min Scan# 484
Delta R.T. 0.02 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Tgt Ion: 97 Resp: 1263730
Ion Ratio Lower Upper
97 100
99 63.4 51.4 77.0
61 44.8 35.5 53.3

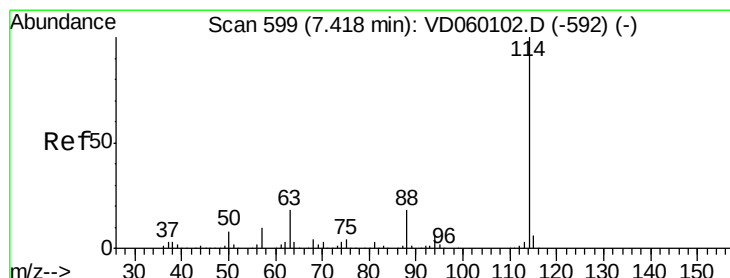
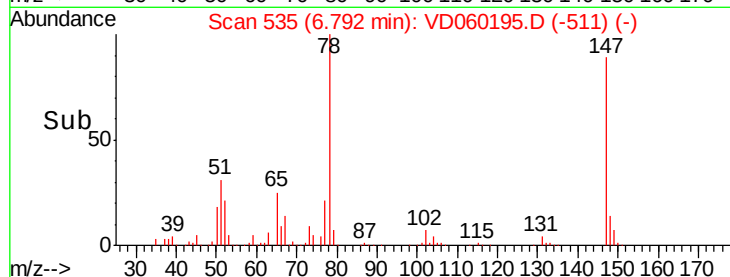
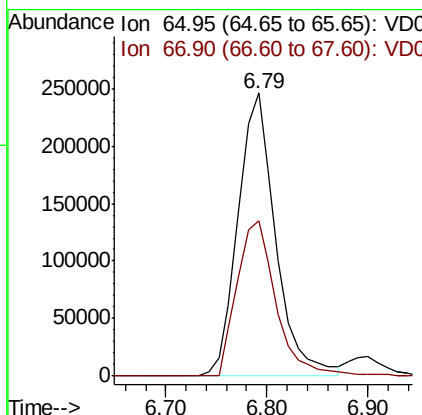
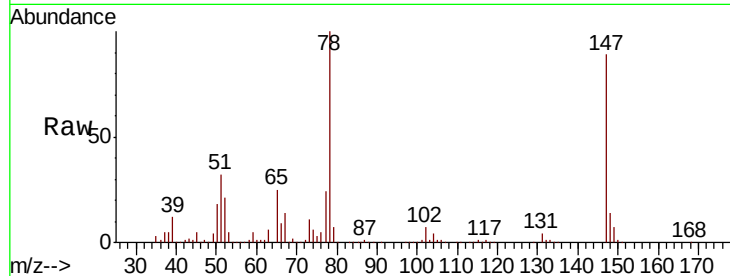




#33
 1,2-Dichloroethane-d4
 Concen: 54.883 ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. 0.03 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

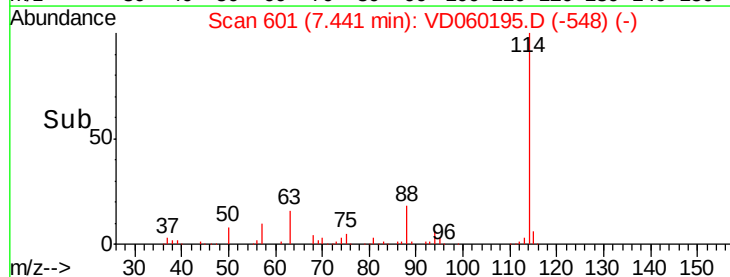
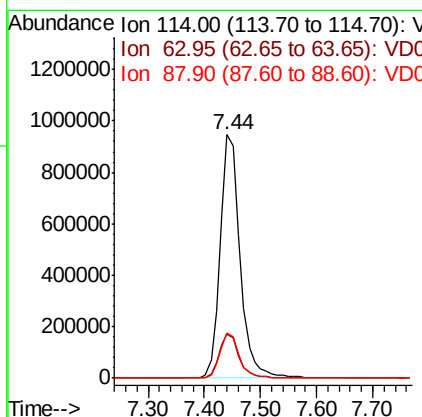
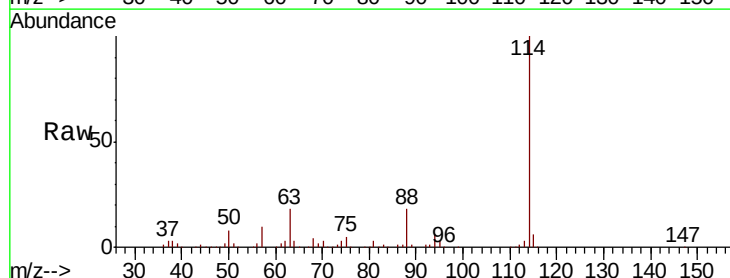
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

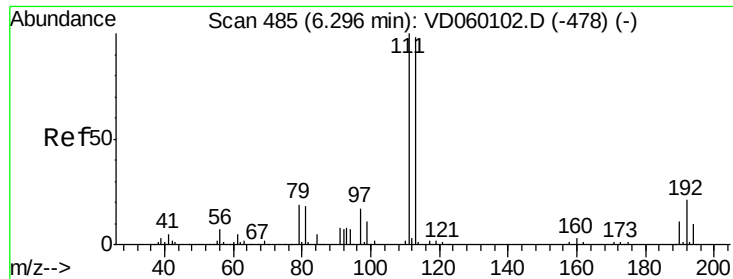
Tot Ion: 65 Resp: 639952
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.02 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Tgt Ion: 114 Resp: 2340999
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 36.0
 88 18.5 0.0 36.2

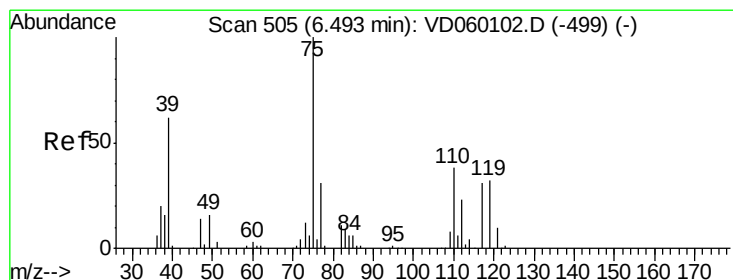
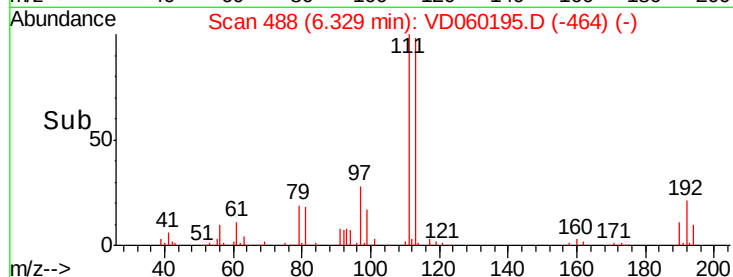
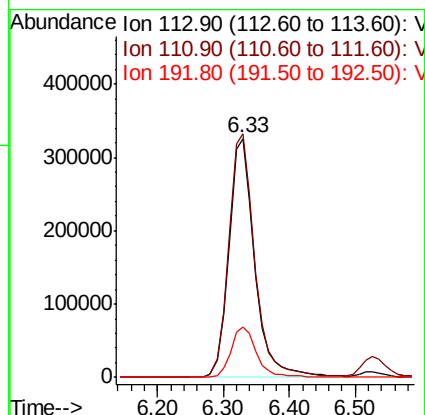
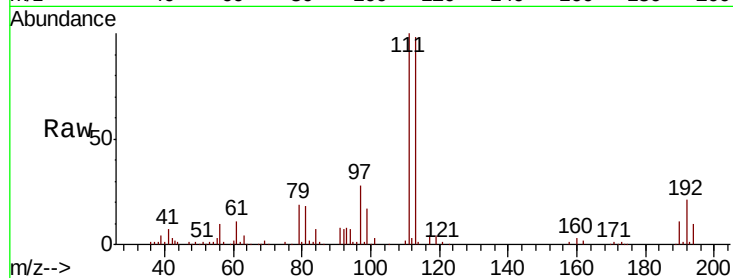




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

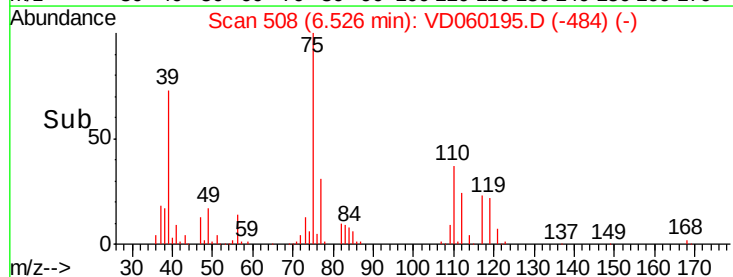
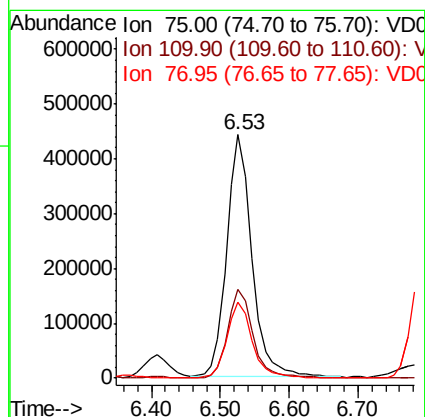
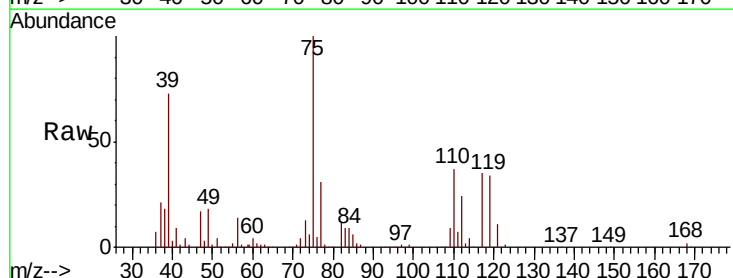
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

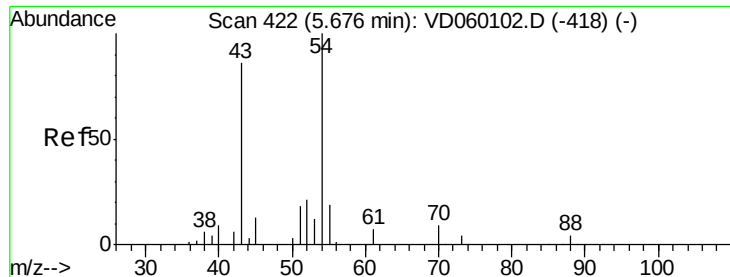
Tot Ion:113 Resp: 894349
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.5 122.3
 192 21.0 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 49.959 ug/l
 RT: 6.53 min Scan# 508
 Delta R.T. 0.03 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Tgt Ion: 75 Resp: 1117599
 Ion Ratio Lower Upper
 75 100
 110 36.6 19.0 57.0
 77 31.1 24.9 37.3

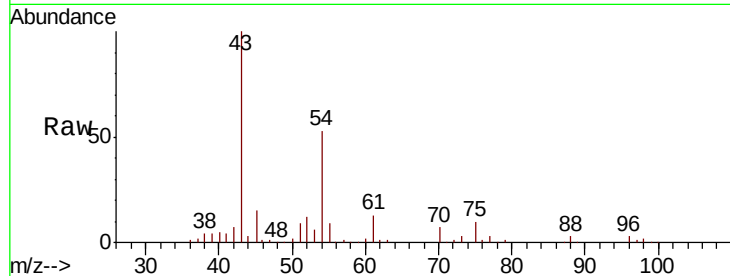




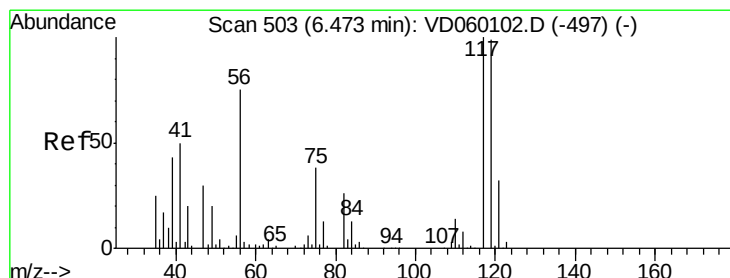
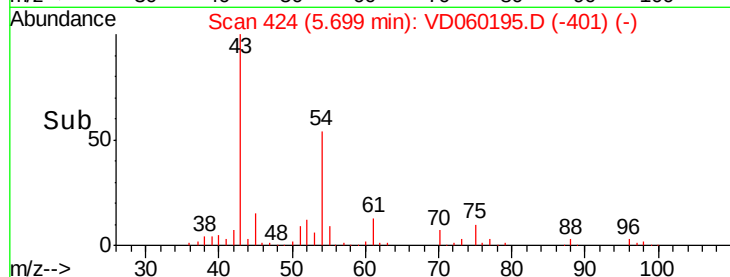
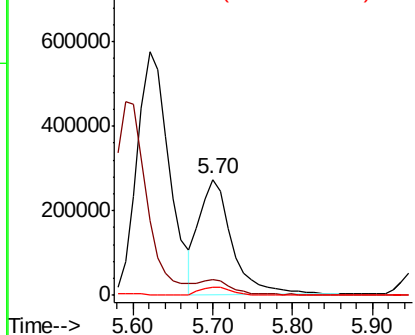
#37
Ethyl Acetate
Concen: 51.890 ug/l
RT: 5.70 min Scan# 424
Delta R.T. 0.02 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 770495
Ion Ratio Lower Upper
43 100
61 13.3 10.5 15.7
70 7.3 6.3 9.5

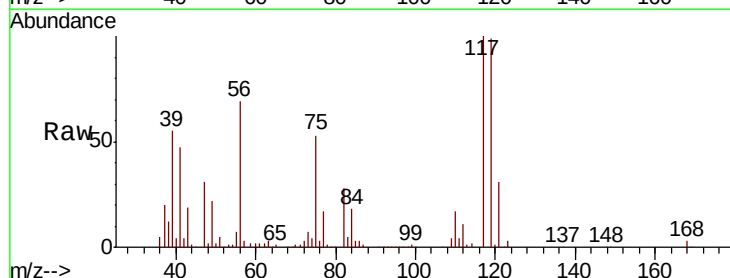


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

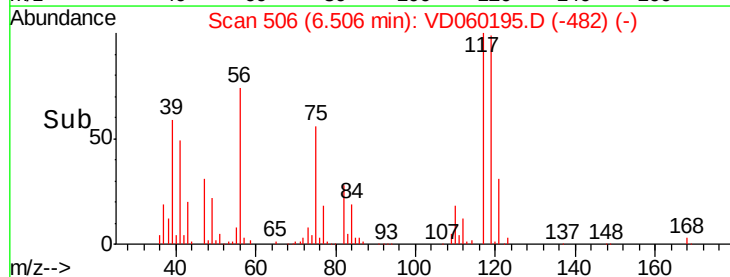
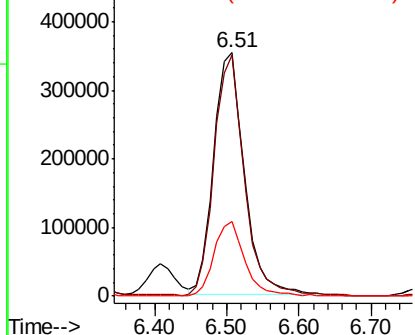


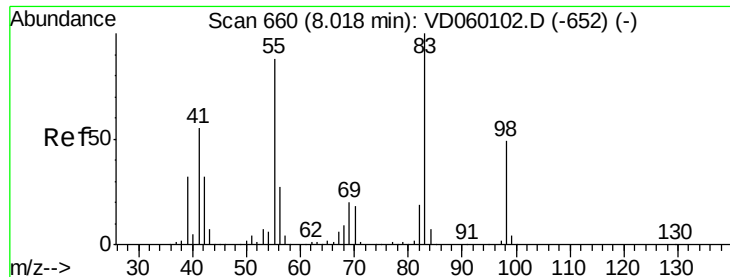
#38
Carbon Tetrachloride
Concen: 51.324 ug/l
RT: 6.51 min Scan# 506
Delta R.T. 0.03 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Tgt Ion: 117 Resp: 1042060
Ion Ratio Lower Upper
117 100
119 98.8 77.8 116.6
121 30.9 24.8 37.2



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

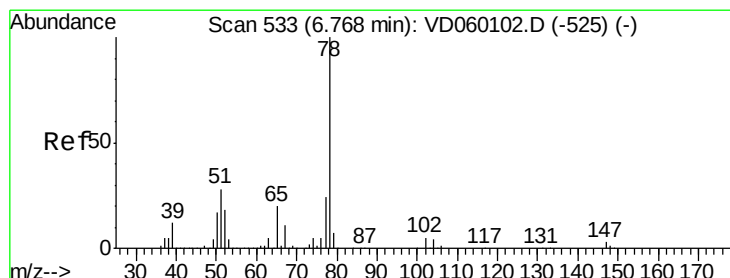
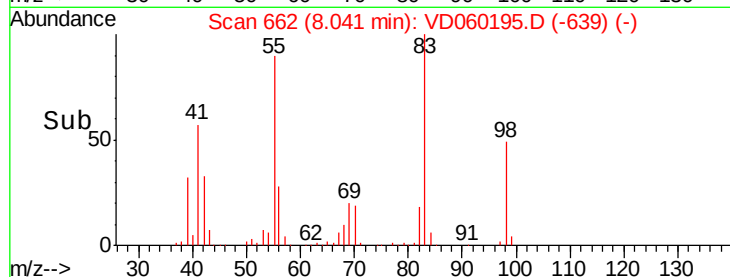
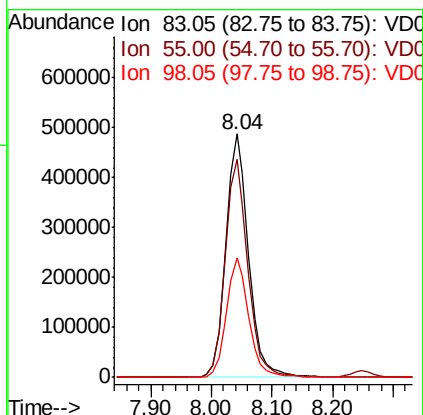
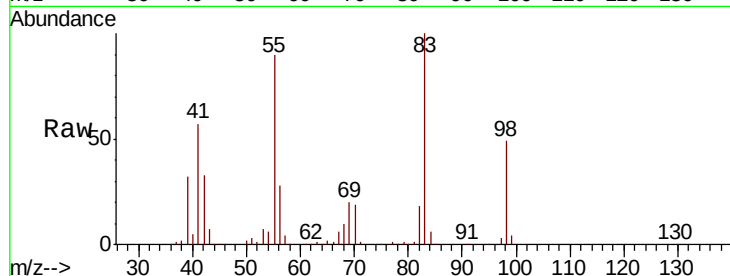




#39
Methylvlcyclohexane
Concen: 49.817 ug/l
RT: 8.04 min Scan# 662
Delta R.T. 0.02 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

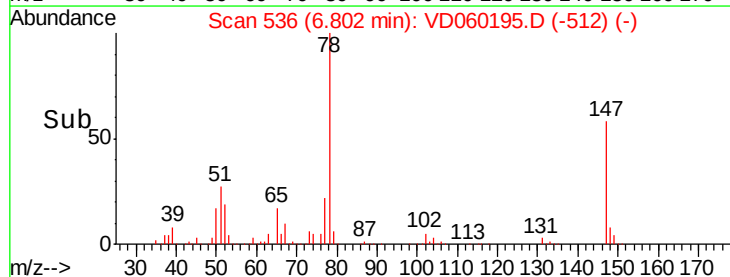
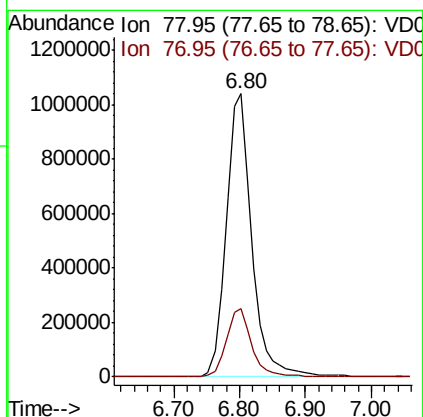
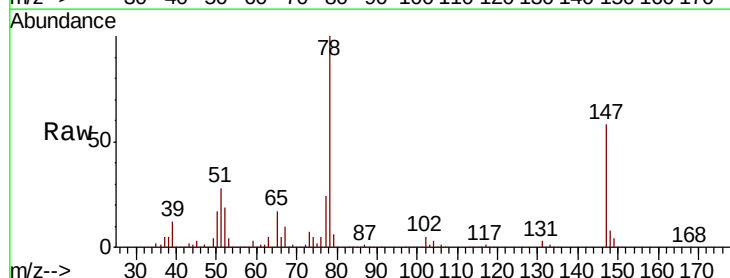
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

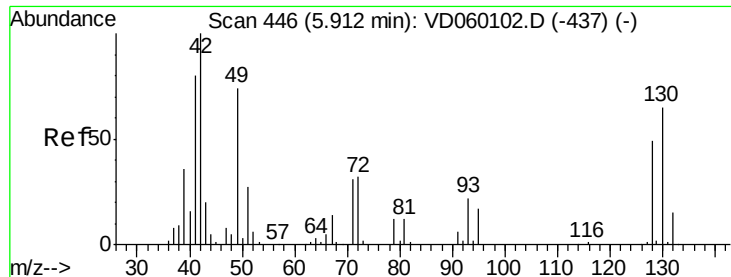
Tot Ion: 83 Resp: 1266214
Ion Ratio Lower Upper
83 100
55 89.8 70.5 105.7
98 48.9 39.4 59.2



#40
Benzene
Concen: 48.261 ug/l
RT: 6.80 min Scan# 536
Delta R.T. 0.03 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Tgt Ion: 78 Resp: 2824410
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4





#41

Methacrylonitrile

Concen: 101.915 ug/l

RT: 5.96 min Scan# 450

Delta R.T. 0.04 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 855341

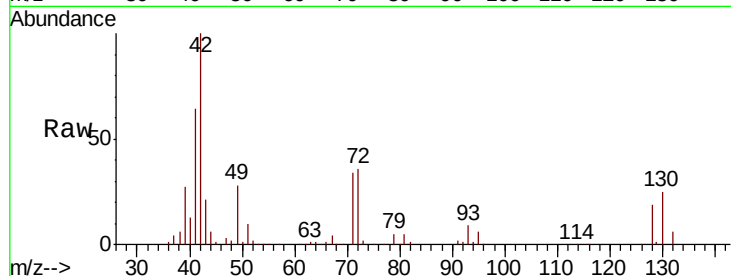
Ion Ratio Lower Upper

41 100

39 42.8 36.0 54.0

67 6.8 13.9 20.9#

52 3.3 6.1 9.1#

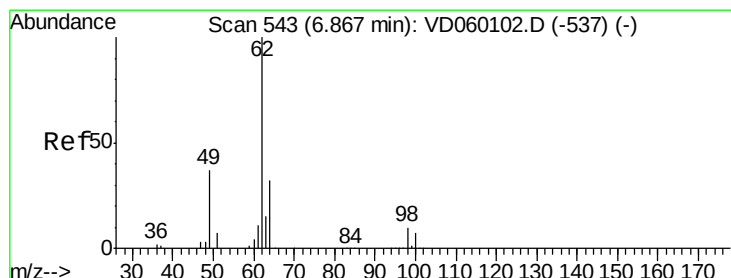
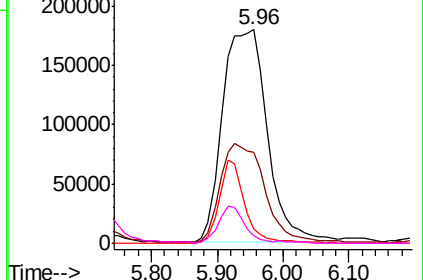
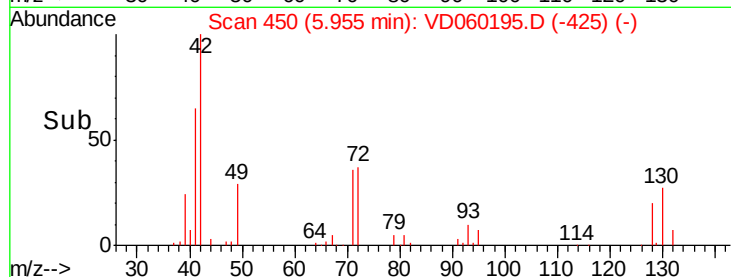


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 53.993 ug/l

RT: 6.90 min Scan# 546

Delta R.T. 0.03 min

Lab File: VD060195.D

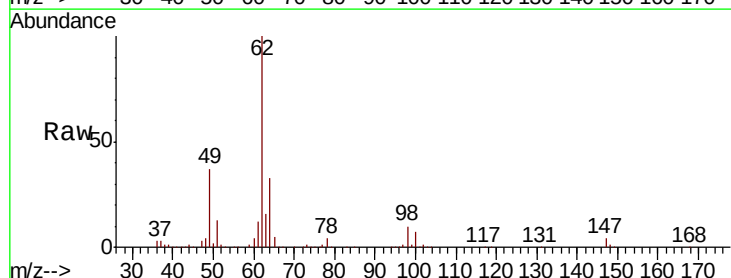
Acq: 25 Oct 2018 14:50

Tgt Ion: 62 Resp: 905933

Ion Ratio Lower Upper

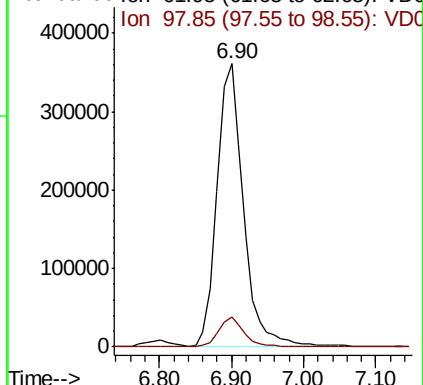
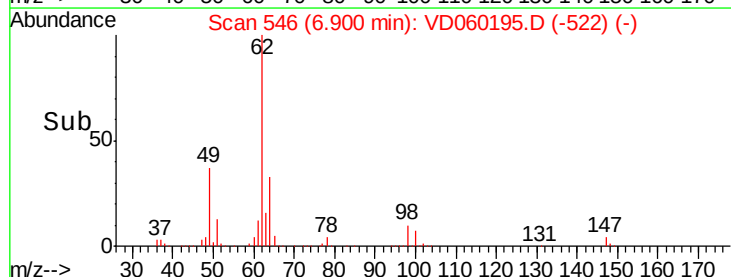
62 100

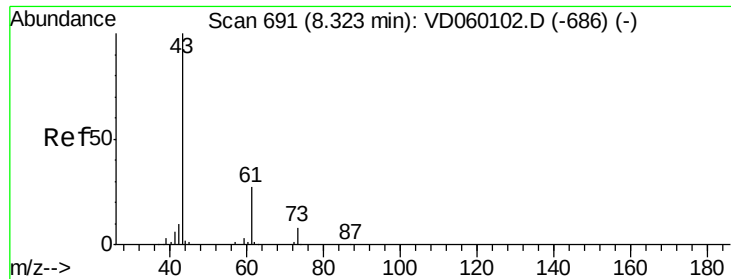
98 10.5 0.0 20.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 51.964 ug/l

RT: 8.35 min Scan# 693

Delta R.T. 0.02 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

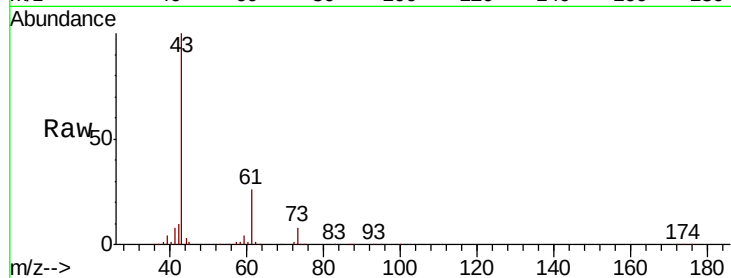
Tot Ion: 43 Resp: 1015109

Ion Ratio Lower Upper

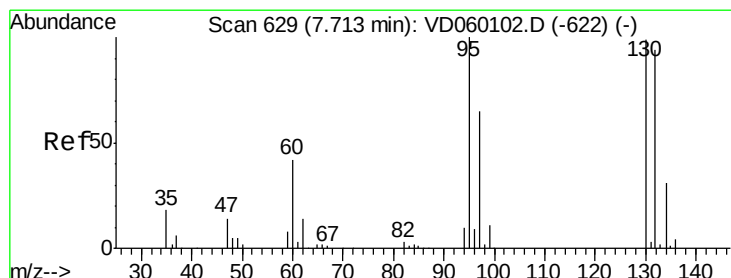
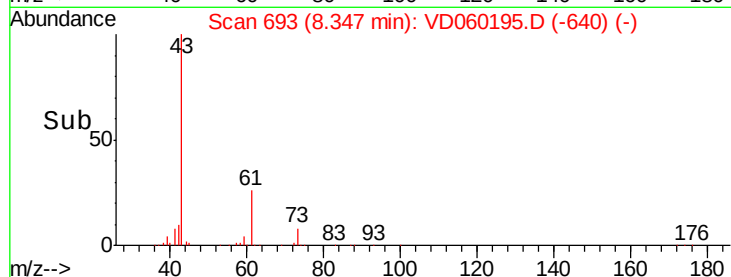
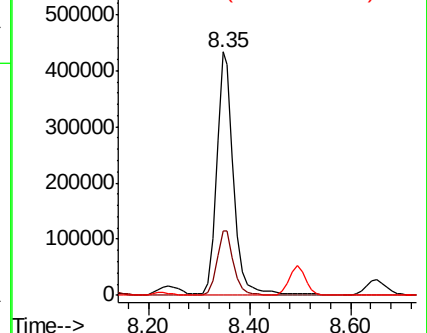
43 100

61 26.4 21.4 32.2

87 0.3 0.2 0.2#



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



#44

Trichloroethene

Concen: 48.665 ug/l

RT: 7.75 min Scan# 632

Delta R.T. 0.03 min

Lab File: VD060195.D

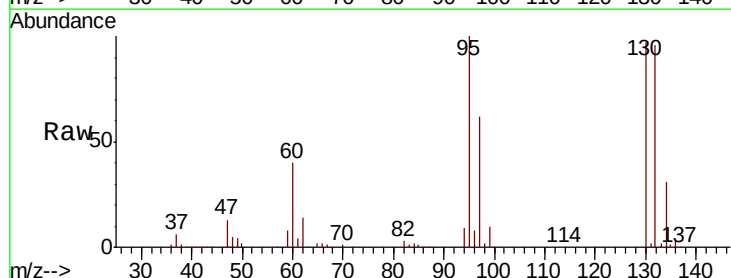
Acq: 25 Oct 2018 14:50

Tgt Ion:130 Resp: 881644

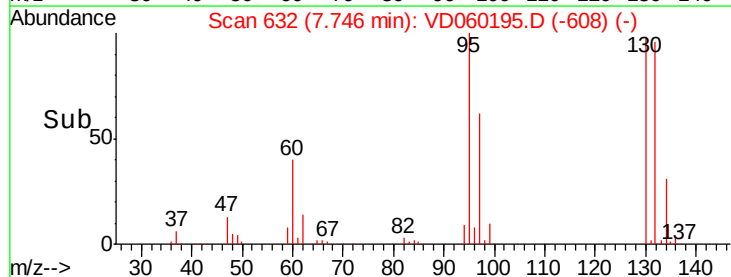
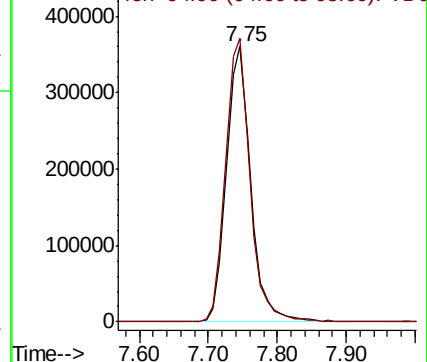
Ion Ratio Lower Upper

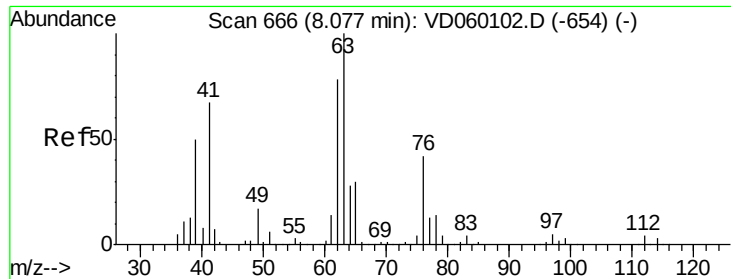
130 100

95 102.8 0.0 202.2



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

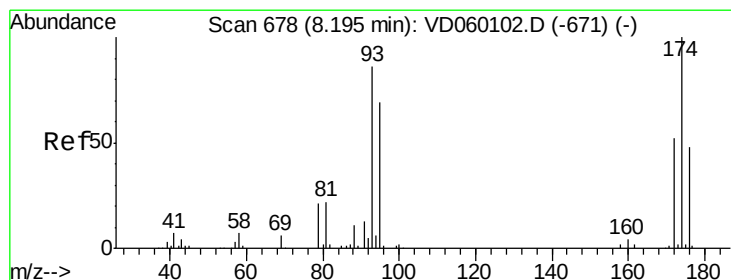
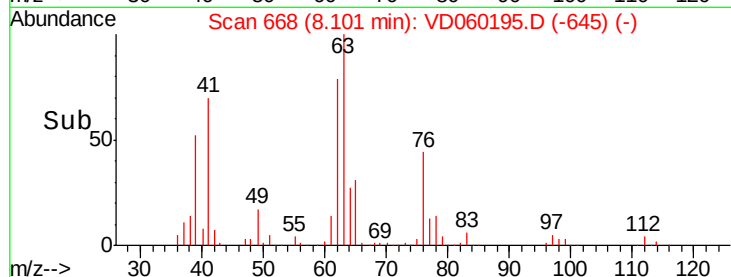
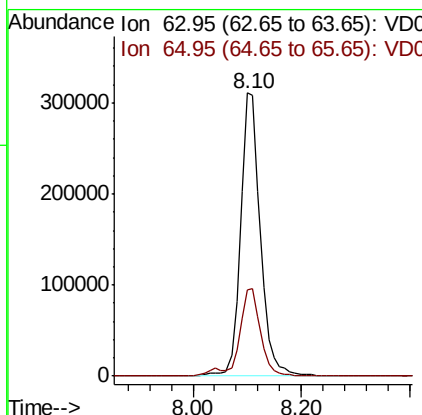
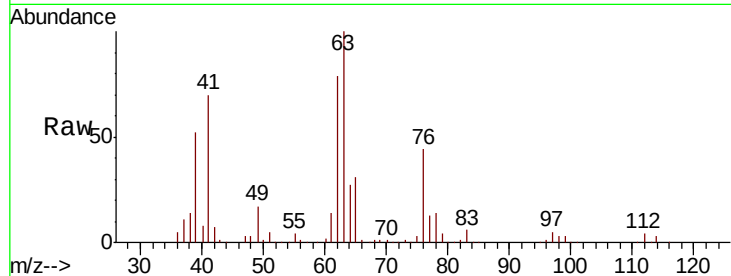




#45
 1,2-Dichloropropane
 Concen: 51.931 ug/l
 RT: 8.10 min Scan# 668
 Delta R.T. 0.02 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

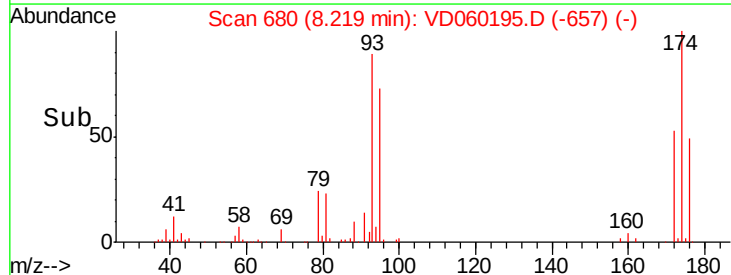
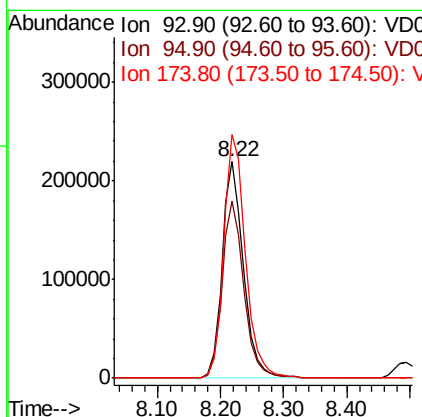
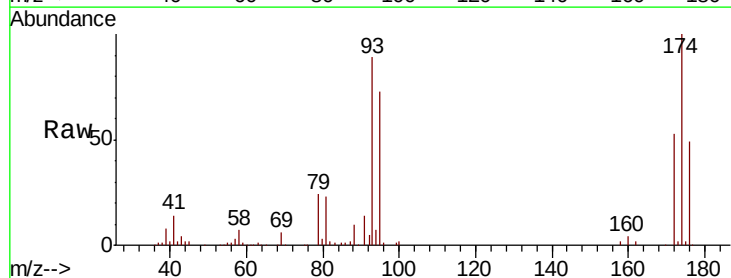
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

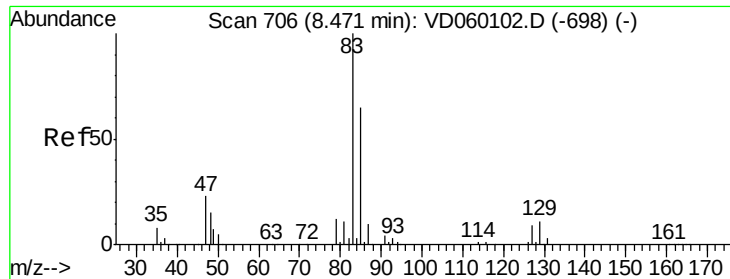
Tot Ion: 63 Resp: 795804
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.1 36.1



#46
 Dibromomethane
 Concen: 51.728 ug/l
 RT: 8.22 min Scan# 680
 Delta R.T. 0.02 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Tgt Ion: 93 Resp: 513202
 Ion Ratio Lower Upper
 93 100
 95 81.7 63.8 95.6
 174 112.4 92.9 139.3





#47

Bromodichloromethane

Concen: 54.101 ug/l

RT: 8.49 min Scan# 708

Delta R.T. 0.02 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

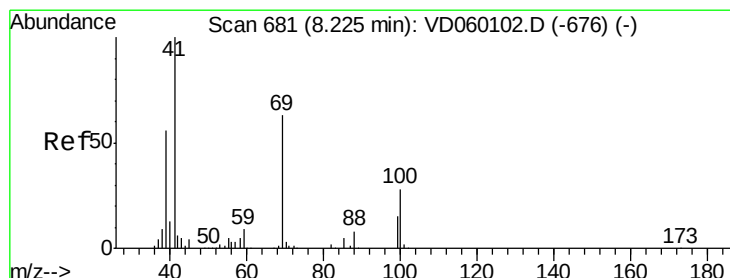
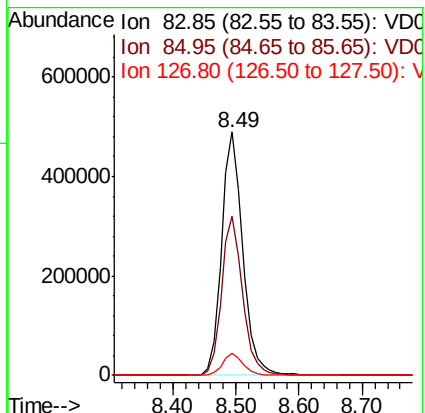
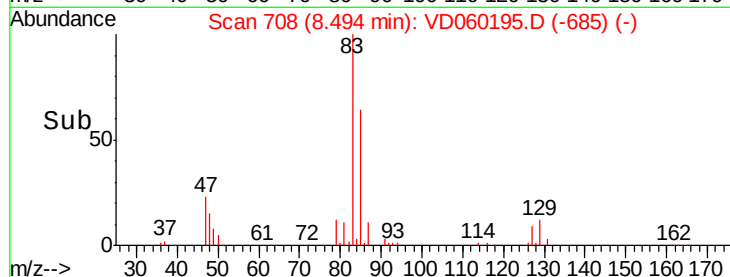
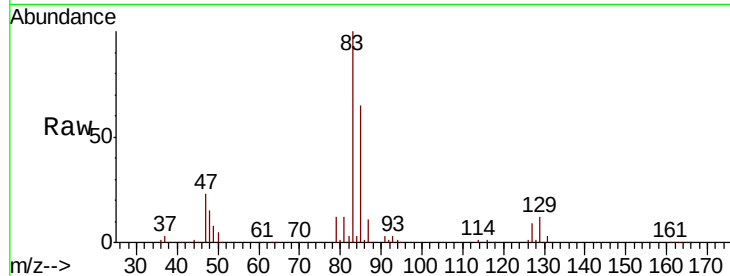
Tot Ion: 83 Resp: 1143646

Ion Ratio Lower Upper

83 100

85 65.3 52.2 78.2

127 8.9 7.4 11.0



#48

Methyl methacrylate

Concen: 53.387 ug/l

RT: 8.25 min Scan# 683

Delta R.T. 0.02 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

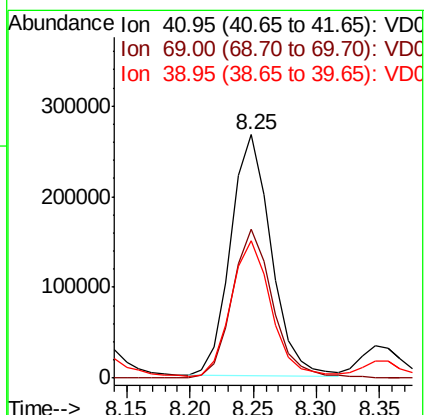
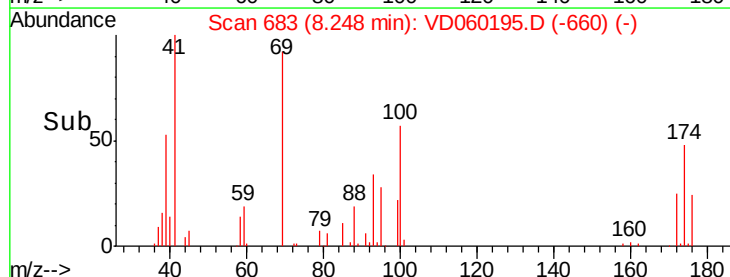
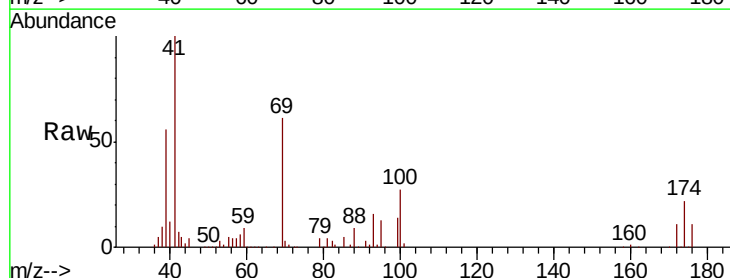
Tgt Ion: 41 Resp: 594059

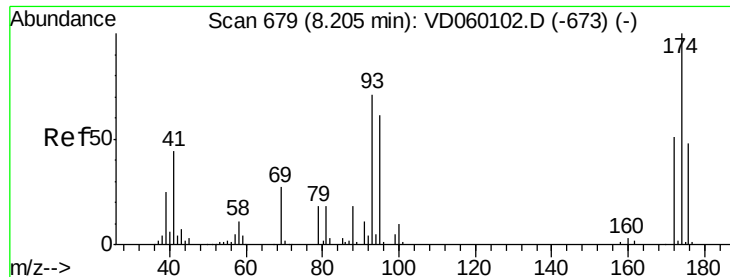
Ion Ratio Lower Upper

41 100

69 61.0 49.7 74.5

39 56.4 45.2 67.8





#49

1,4-Dioxane

Concen: 1020.620 ug/l

RT: 8.23 min Scan# 681

Delta R.T. 0.02 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

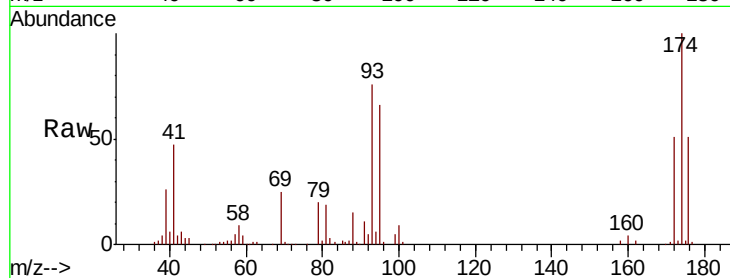
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 111742

Ion	Ratio	Lower	Upper
88	100		
43	42.9	33.7	50.5
58	57.3	49.1	73.7

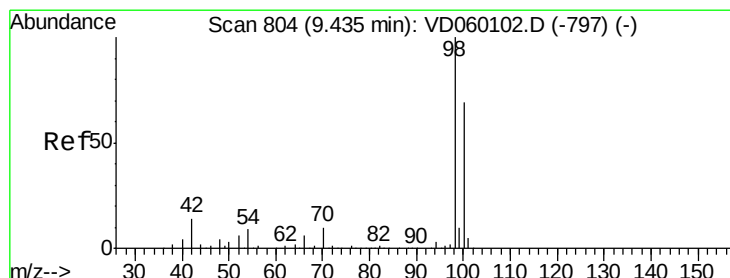
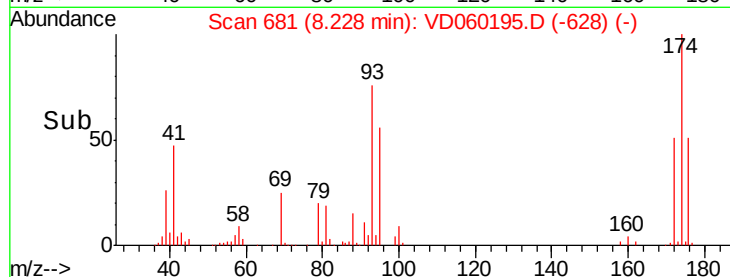
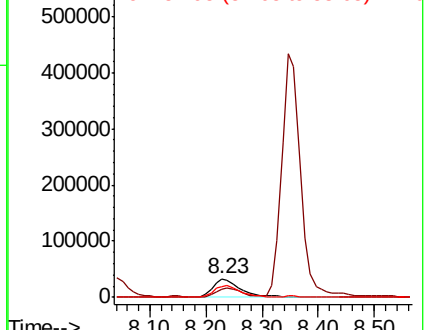


Abundance

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: 1020.620 ug/l

RT: 9.46 min Scan# 806

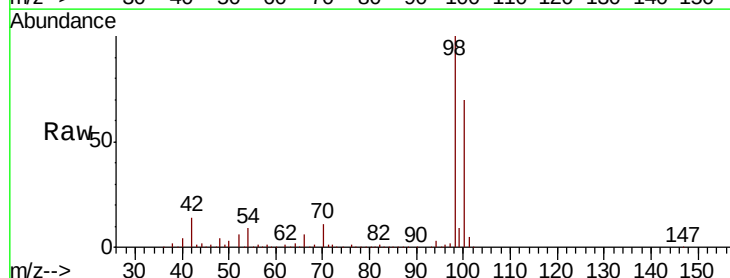
Delta R.T. 0.02 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Tgt Ion: 98 Resp: 2586910

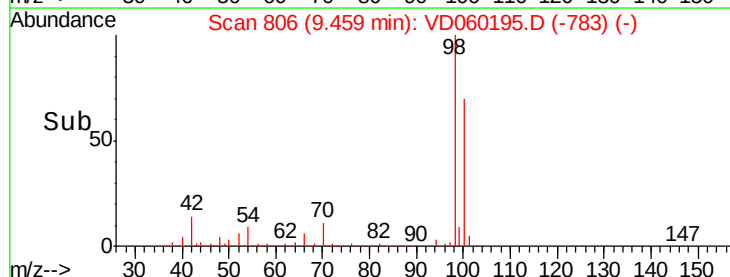
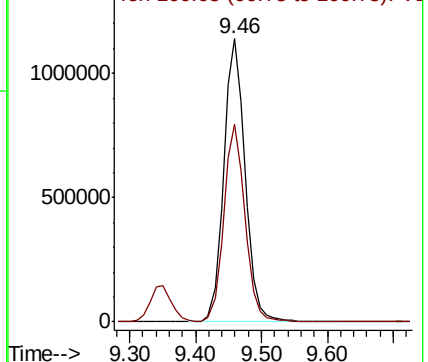
Ion	Ratio	Lower	Upper
98	100		
100	70.0	55.4	83.0

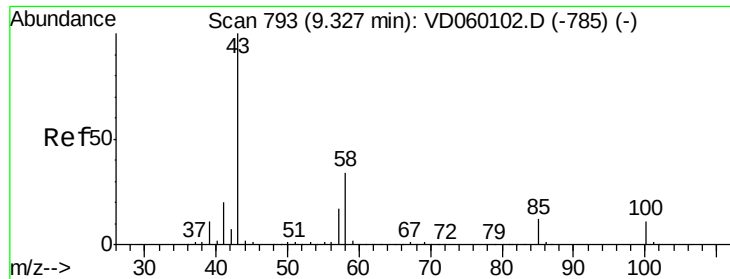


Abundance

Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 264.423 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

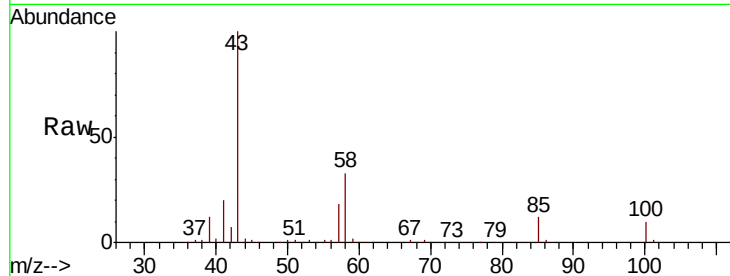
VSTDCCC050

Tot Ion: 43 Resp: 3258024

Ion Ratio Lower Upper

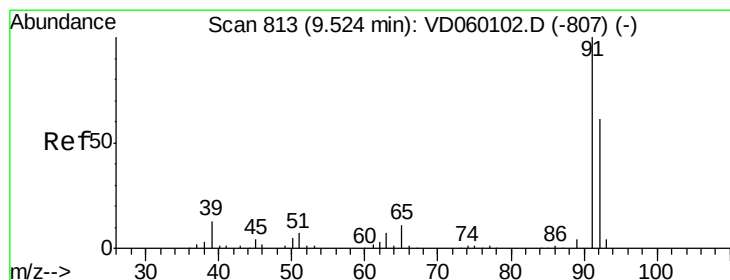
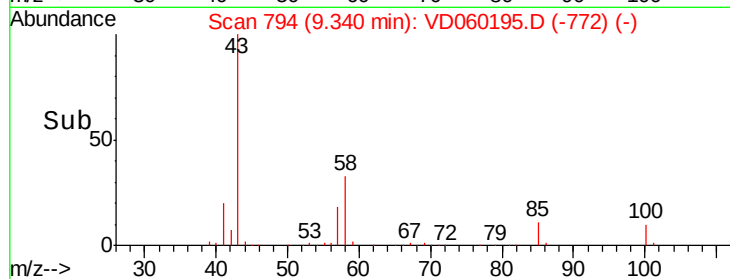
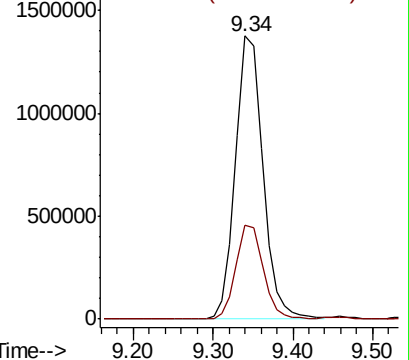
43 100

58 33.3 27.2 40.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 49.628 ug/l

RT: 9.56 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060195.D

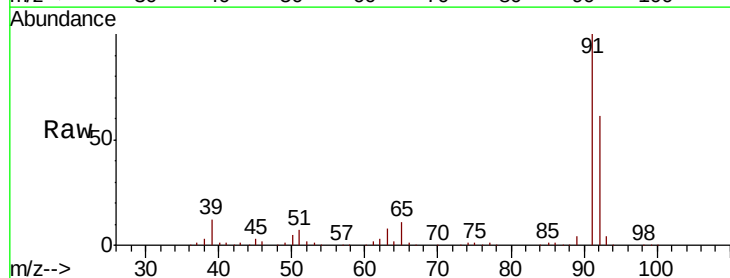
Acq: 25 Oct 2018 14:50

Tgt Ion: 92 Resp: 1870545

Ion Ratio Lower Upper

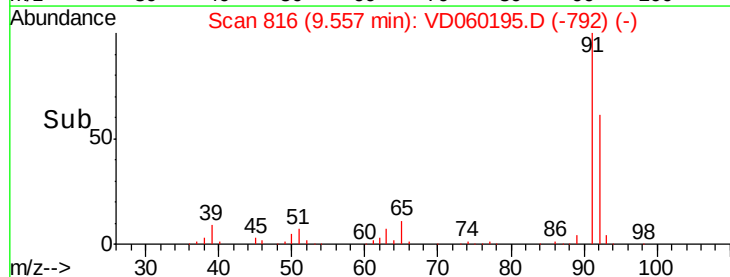
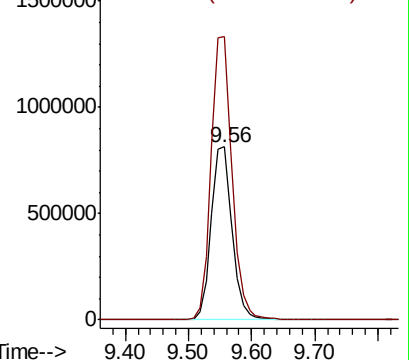
92 100

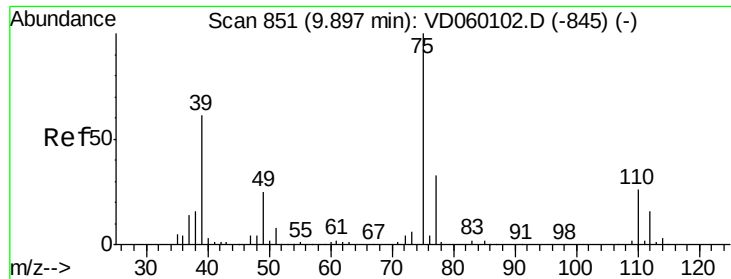
91 163.8 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

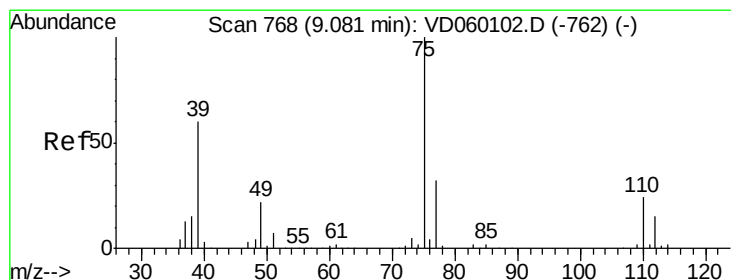
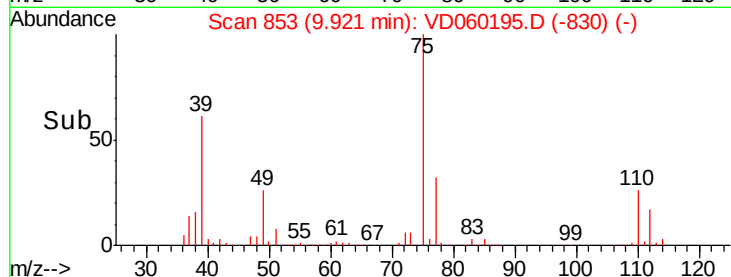
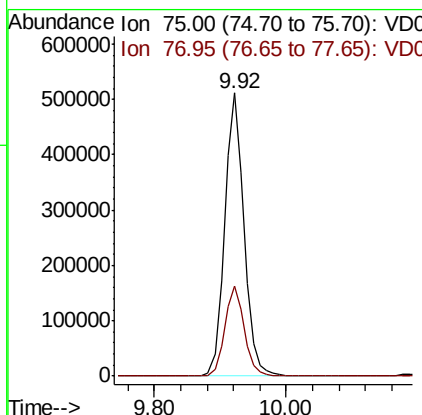
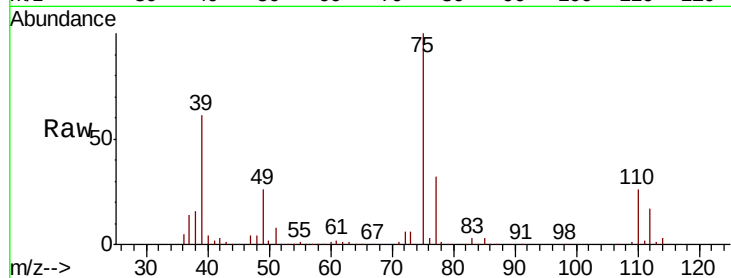




#53
 t-1,3-Dichloropropene
 Concen: 54.597 ug/l
 RT: 9.92 min Scan# 853
 Delta R.T. 0.02 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

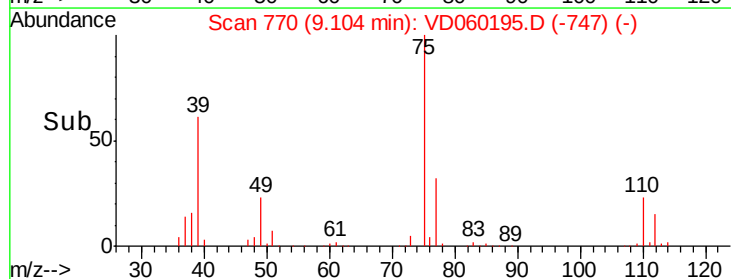
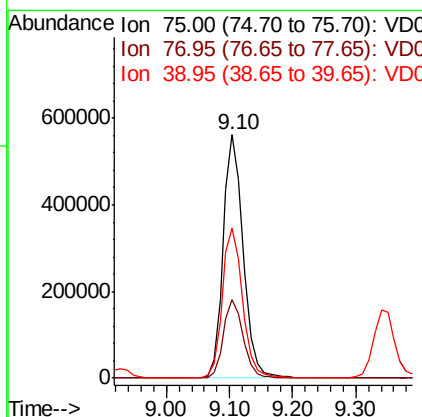
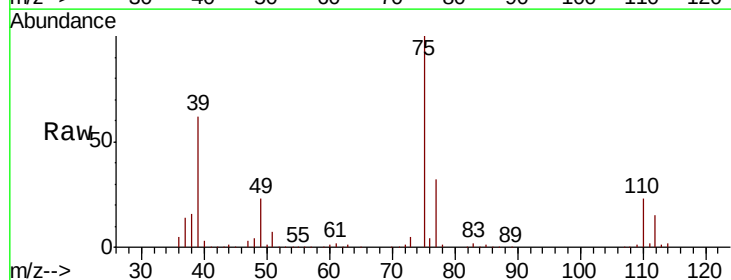
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

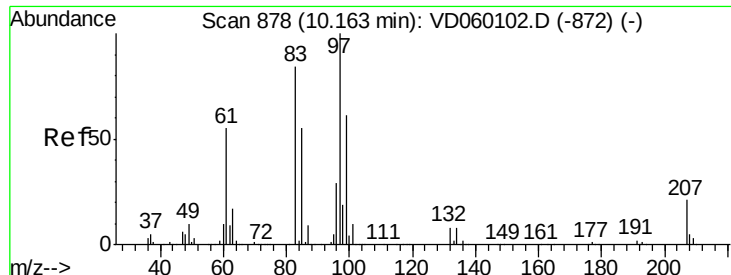
Tot Ion: 75 Resp: 1044291
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 52.489 ug/l
 RT: 9.10 min Scan# 770
 Delta R.T. 0.02 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Tgt Ion: 75 Resp: 1239790
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.7 38.5
 39 61.6 48.2 72.4

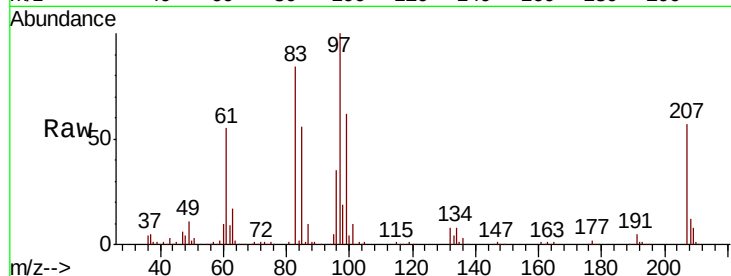




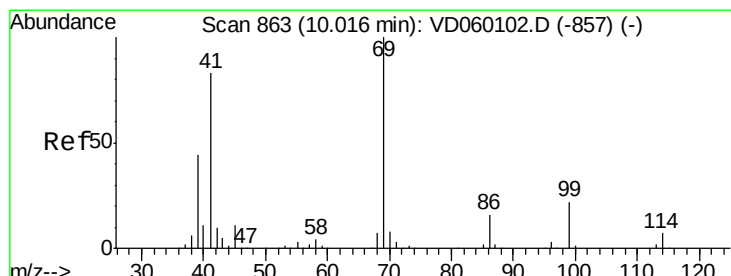
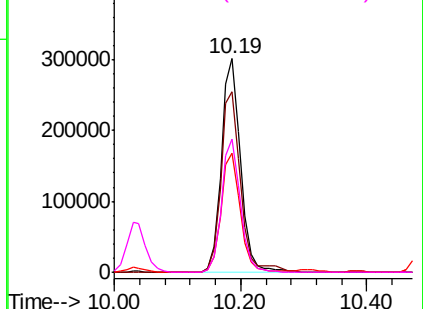
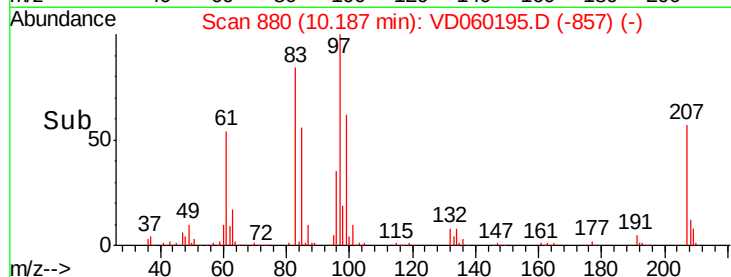
#55
 1,1,2-Trichloroethane
 Concen: 51.731 ug/l
 RT: 10.19 min Scan# 880
 Delta R.T. 0.02 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 637429
 Ion Ratio Lower Upper
 97 100
 83 84.5 67.0 100.6
 85 55.9 43.9 65.9
 99 62.3 49.1 73.7

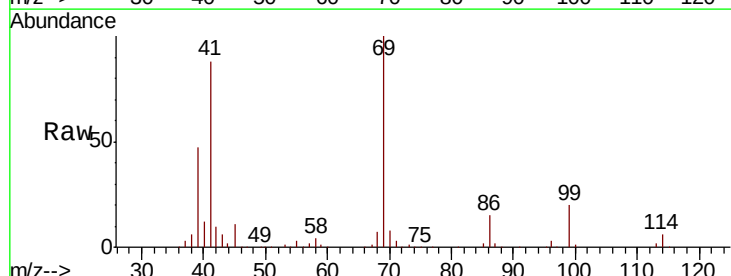


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

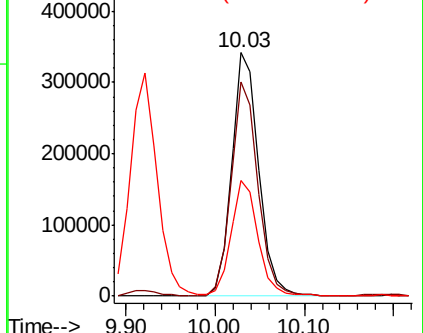
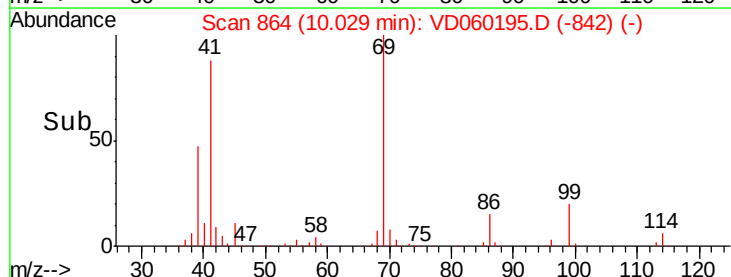


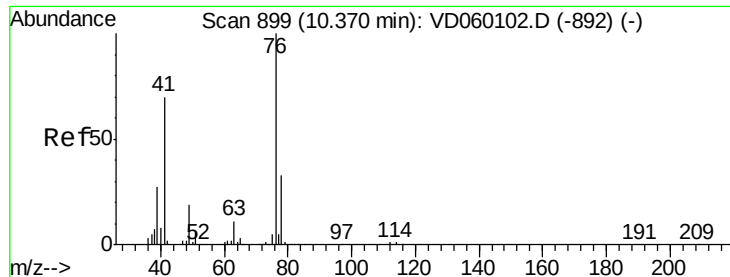
#56
 Ethyl methacrylate
 Concen: 53.195 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Tgt Ion: 69 Resp: 723546
 Ion Ratio Lower Upper
 69 100
 41 87.8 66.6 100.0
 39 47.4 36.0 54.0



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: 52.560 ug/l

RT: 10.38 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

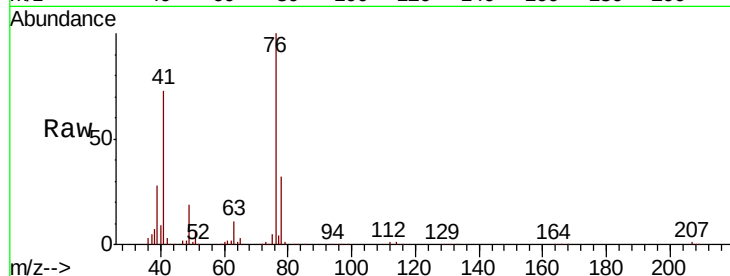
VSTDCCC050

Tot Ion: 76 Resp: 987734

Ion Ratio Lower Upper

76 100

78 32.1 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.38

500000

400000

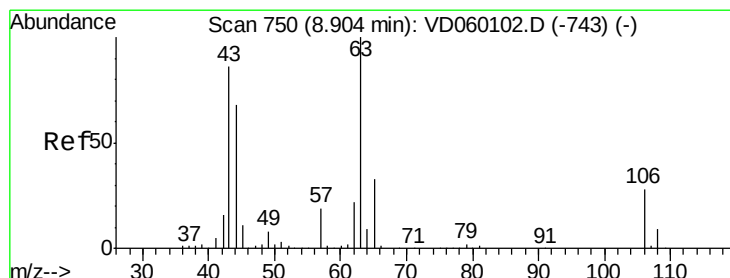
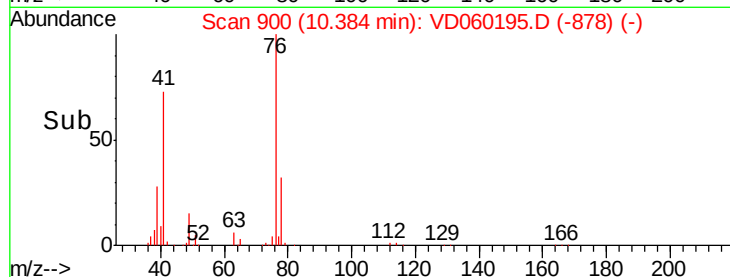
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 274.246 ug/l

RT: 8.93 min Scan# 752

Delta R.T. 0.02 min

Lab File: VD060195.D

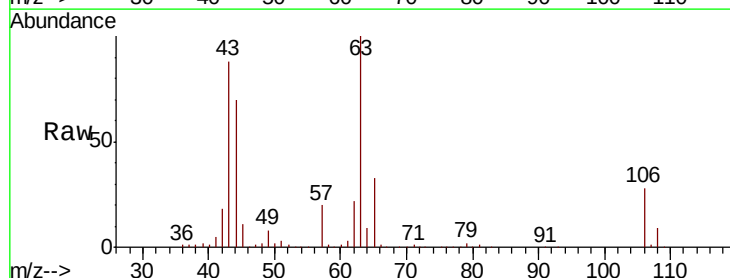
Acq: 25 Oct 2018 14:50

Tgt Ion: 63 Resp: 2071408

Ion Ratio Lower Upper

63 100

106 28.1 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.93

1000000

800000

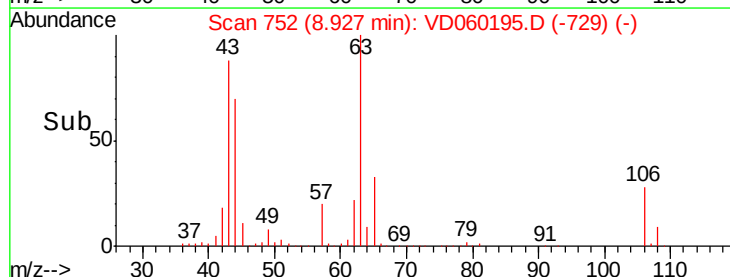
600000

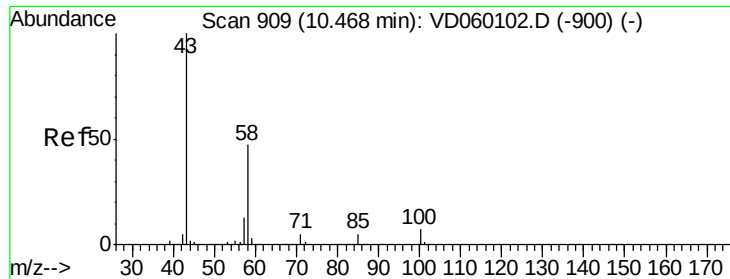
400000

200000

0

Time-->

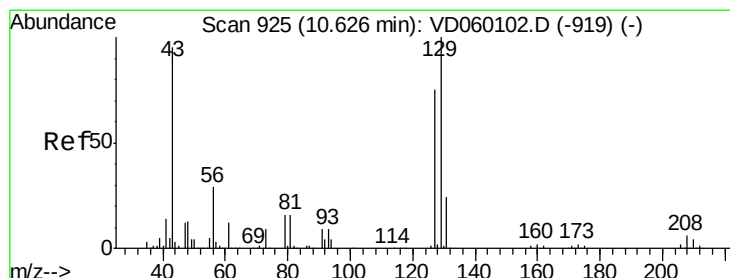
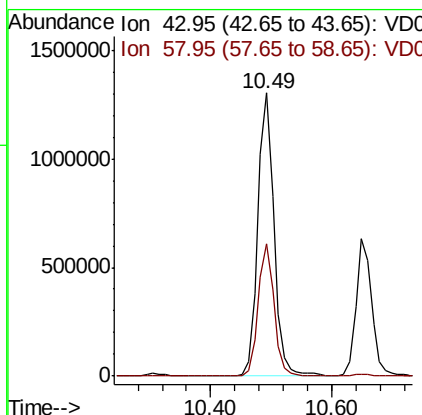
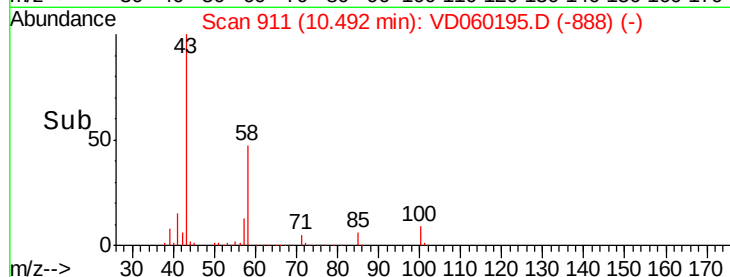
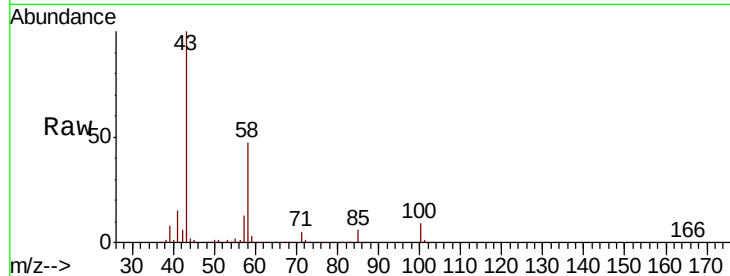




#59
2-Hexanone
Concen: 272.536 ug/l
RT: 10.49 min Scan# 911
Delta R.T. 0.02 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

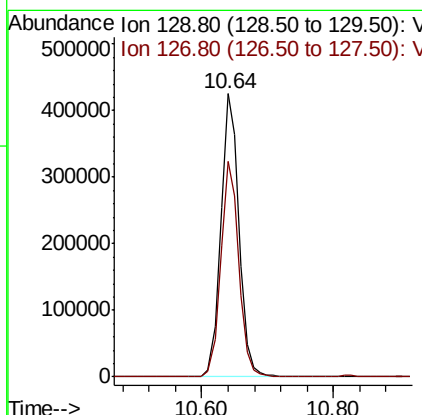
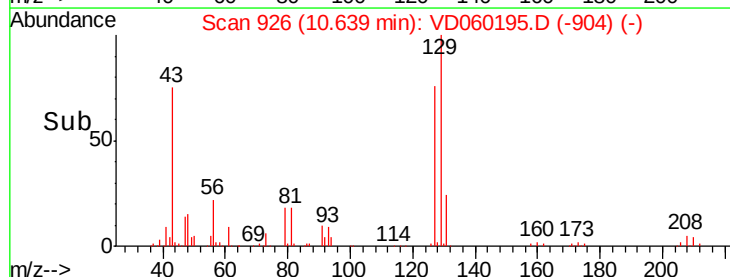
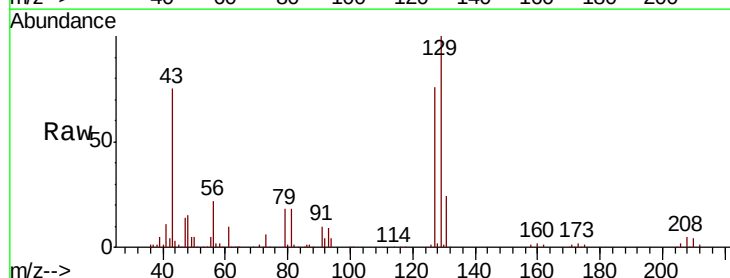
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

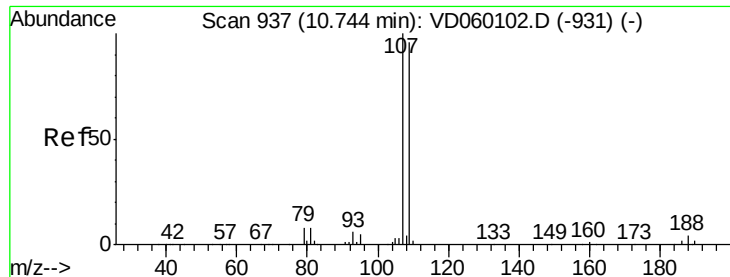
Tot Ion: 43 Resp: 2414655
Ion Ratio Lower Upper
43 100
58 46.9 23.3 69.9



#60
Dibromochloromethane
Concen: 53.914 ug/l
RT: 10.64 min Scan# 926
Delta R.T. 0.01 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Tgt Ion: 129 Resp: 815079
Ion Ratio Lower Upper
129 100
127 76.2 37.4 112.2





#61

1,2-Dibromoethane

Concen: 51.752 ug/l

RT: 10.76 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

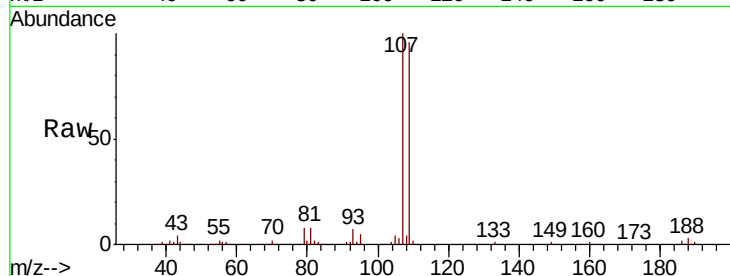
VSTDCCC050

Tot Ion: 107 Resp: 677553

Ion Ratio Lower Upper

107 100

109 95.8 77.1 115.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.76

400000

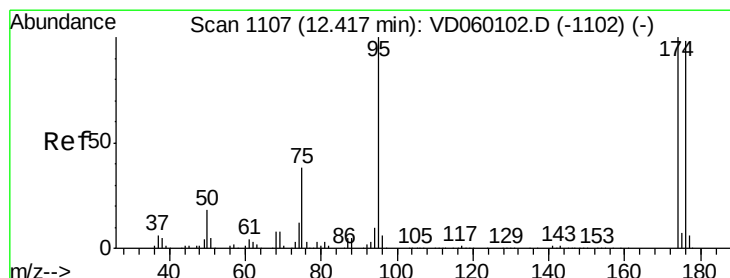
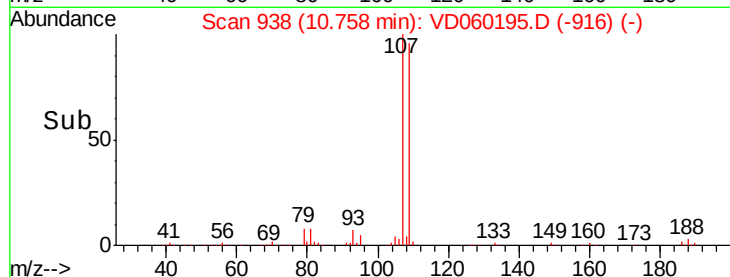
300000

200000

100000

0

Time--> 10.60 10.80 11.00



#62

4-Bromofluorobenzene

Concen: 51.752 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

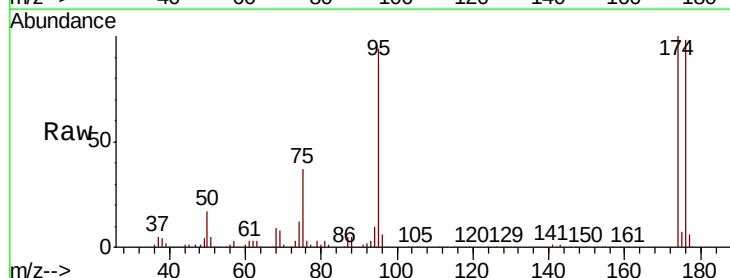
Tgt Ion: 95 Resp: 994350

Ion Ratio Lower Upper

95 100

174 106.2 0.0 200.2

176 103.7 0.0 195.6



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

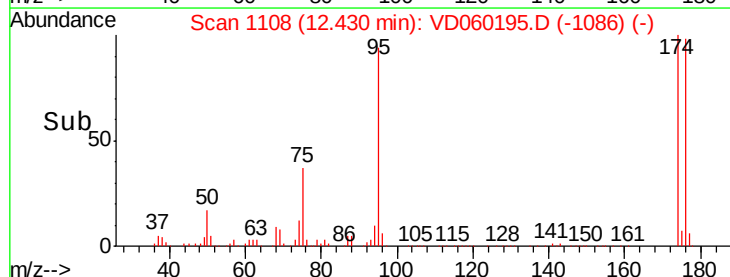
600000

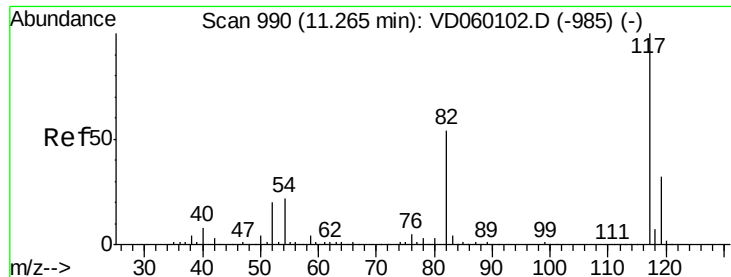
400000

200000

0

Time--> 12.40 12.50

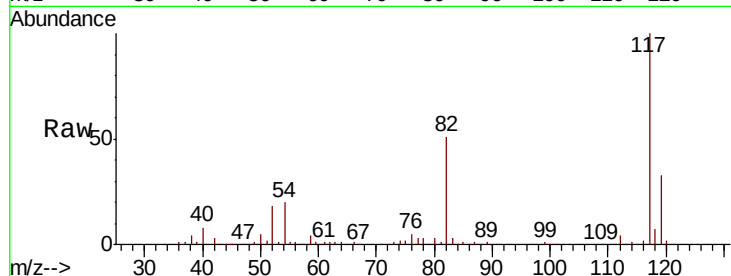




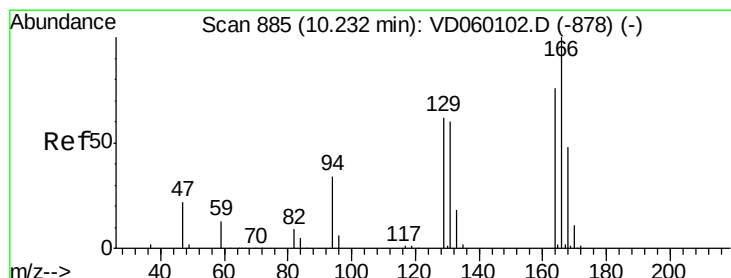
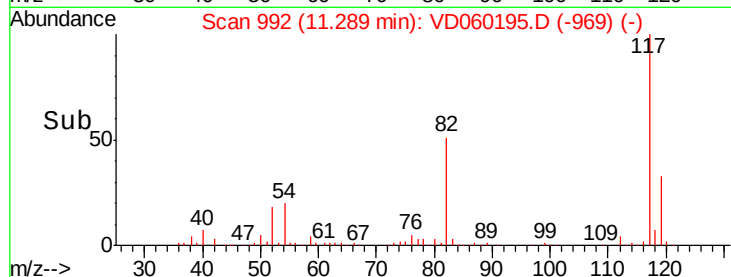
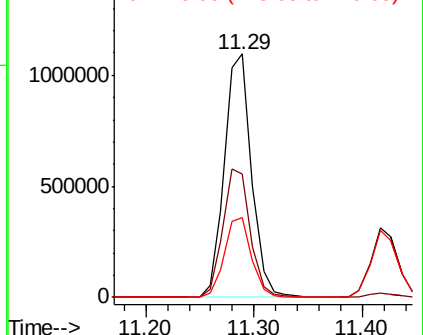
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1913937
Ion Ratio Lower Upper
117 100
82 50.6 43.4 65.2
119 32.7 26.0 39.0

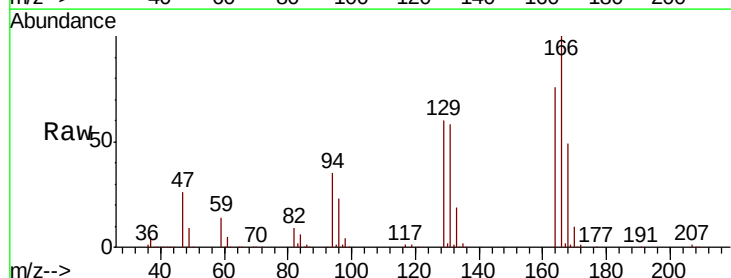


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

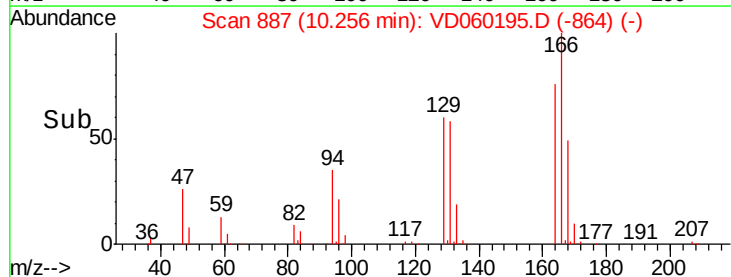
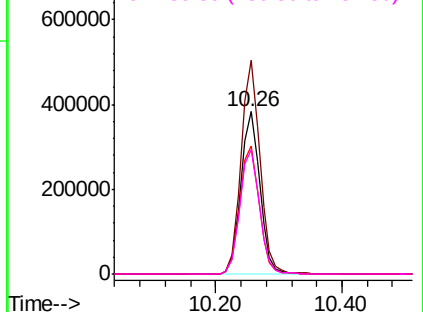


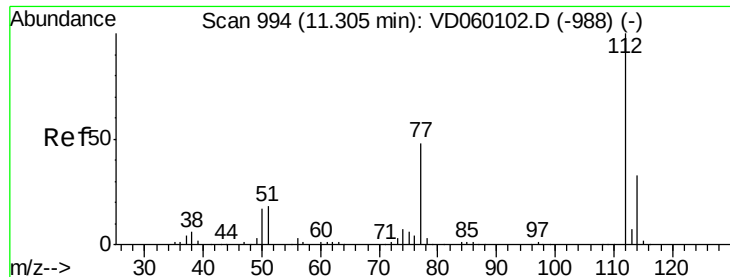
#64
Tetrachloroethene
Concen: 47.431 ug/l
RT: 10.26 min Scan# 887
Delta R.T. 0.02 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Tgt Ion:164 Resp: 795106
Ion Ratio Lower Upper
164 100
166 131.4 105.4 158.0
129 78.4 65.7 98.5
131 76.6 62.9 94.3



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: 50.643 ug/l

RT: 11.32 min Scan# 995

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

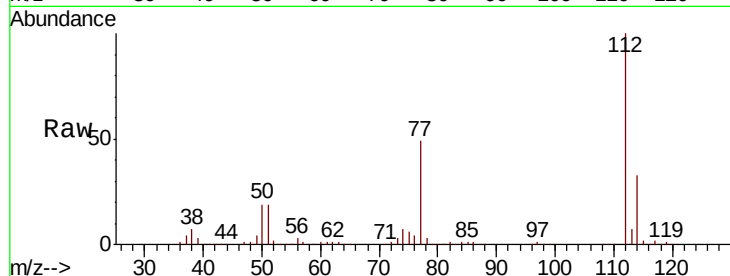
VSTDCCC050

Tot Ion:112 Resp: 2096903

Ion Ratio Lower Upper

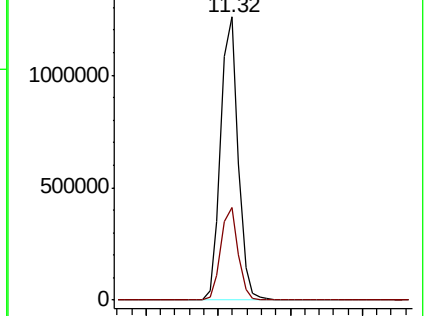
112 100

114 32.7 26.0 39.0

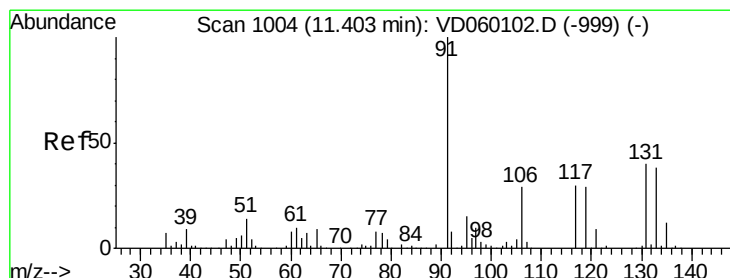
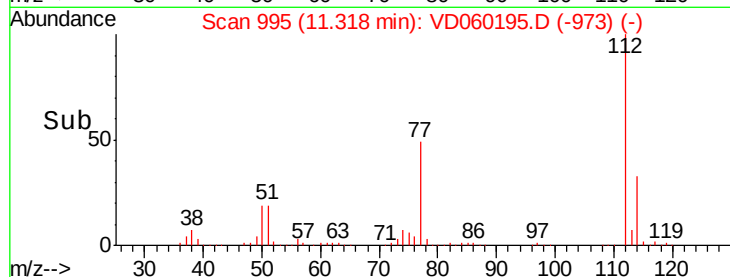


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.806 ug/l

RT: 11.42 min Scan# 1005

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

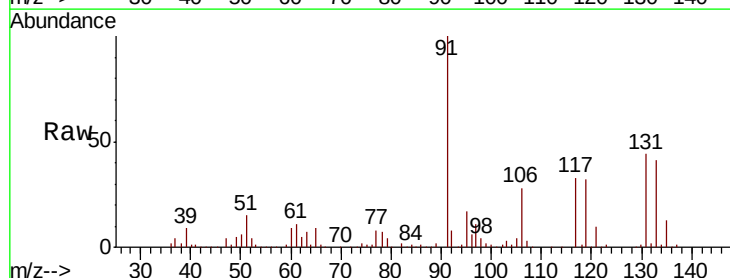
Tgt Ion:131 Resp: 715589

Ion Ratio Lower Upper

131 100

133 94.2 47.4 142.3

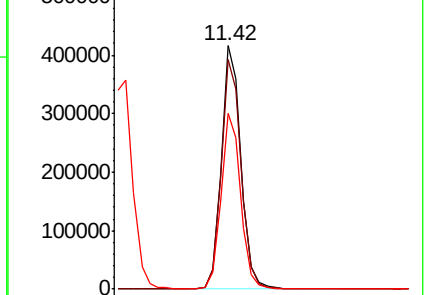
119 72.3 36.1 108.3



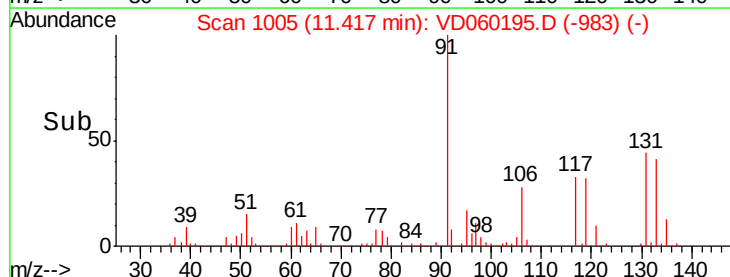
Abundance Ion 130.90 (130.60 to 131.60): V

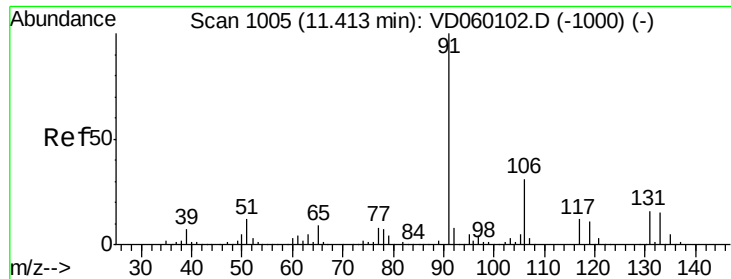
Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V



Time-->

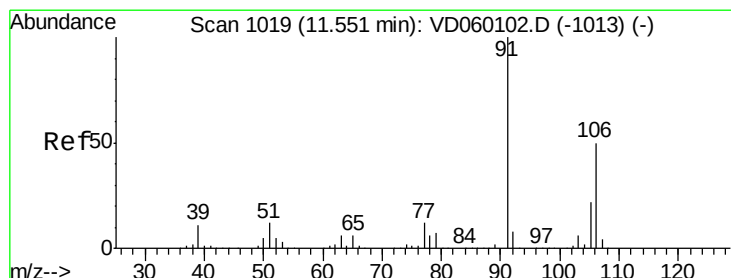
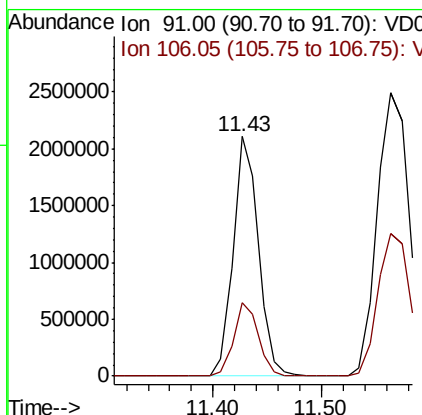
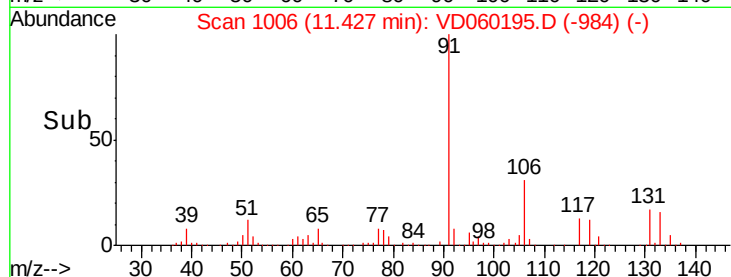
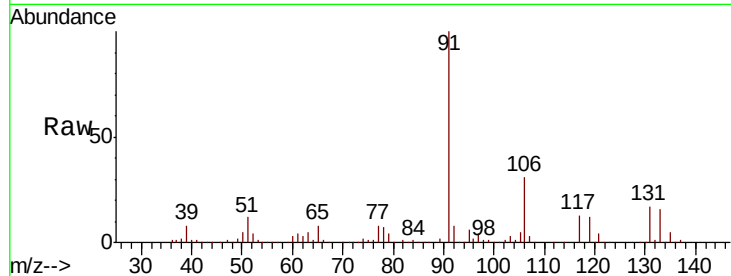




#67
Ethyl Benzene
Concen: 51.008 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

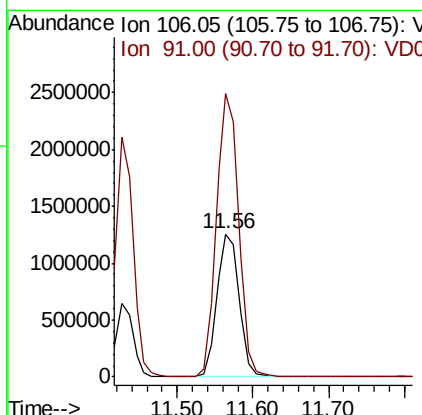
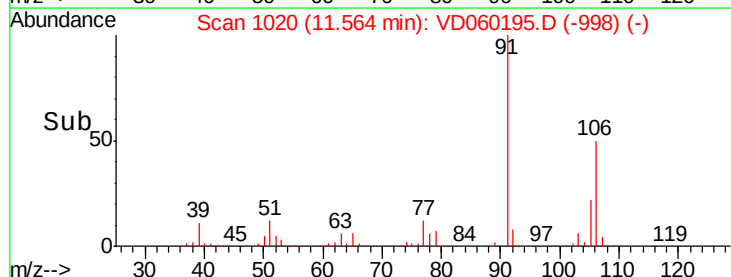
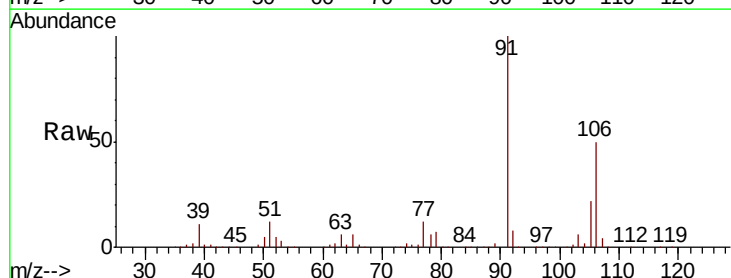
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

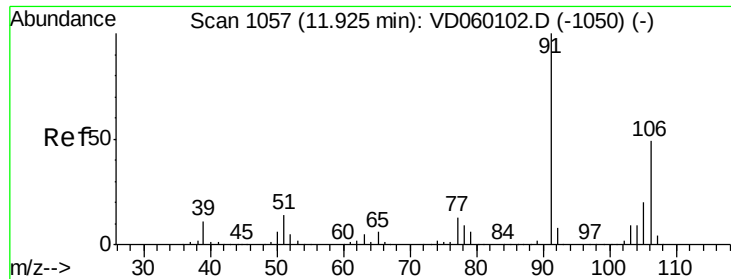
Tot Ion: 91 Resp: 3421852
Ion Ratio Lower Upper
91 100
106 30.6 24.4 36.6



#68
m/p-Xylenes
Concen: 102.398 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Tgt Ion: 106 Resp: 2566624
Ion Ratio Lower Upper
106 100
91 198.4 160.0 240.0

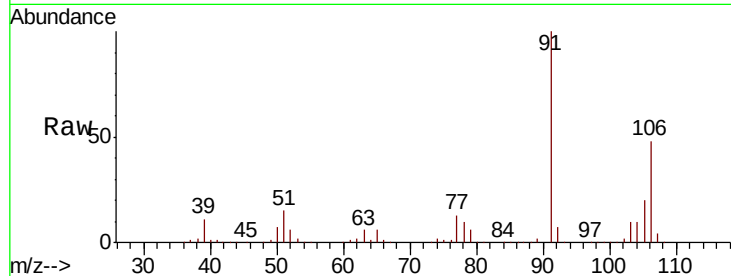




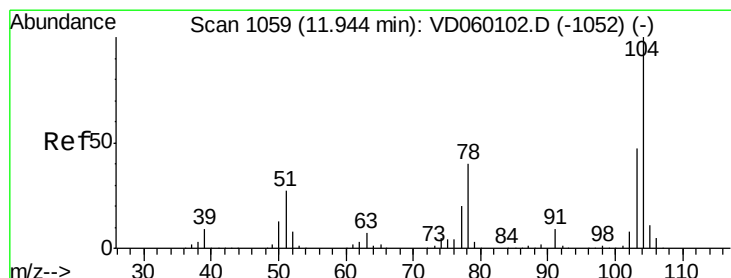
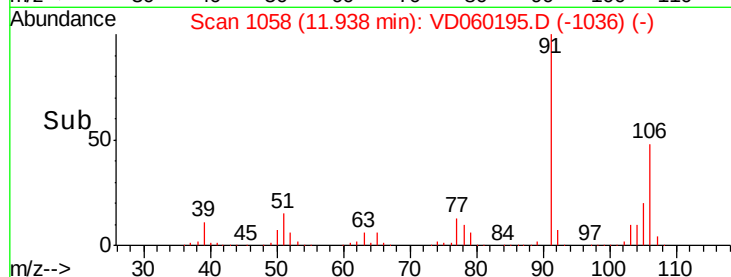
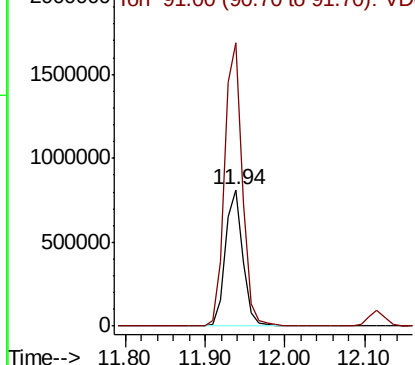
#69
o-Xylene
Concen: 50.650 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1255763
Ion Ratio Lower Upper
106 100
91 207.3 102.5 307.5

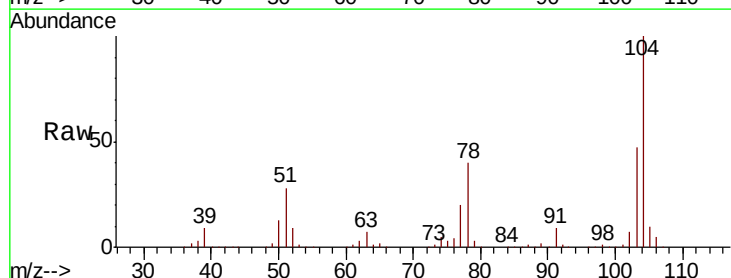


Abundance Ion 106.05 (105.75 to 106.75): V
2000000 Ion 91.00 (90.70 to 91.70): VDC

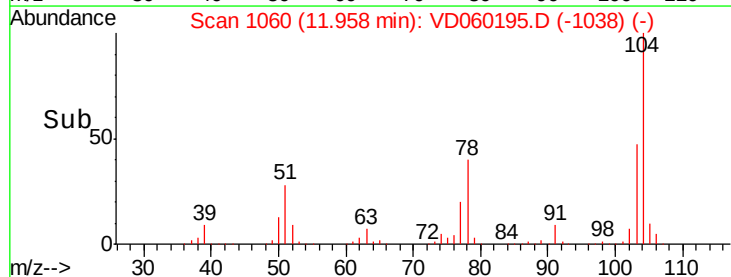
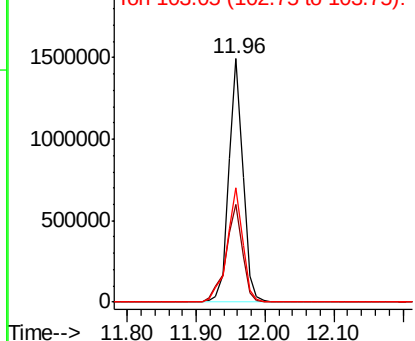


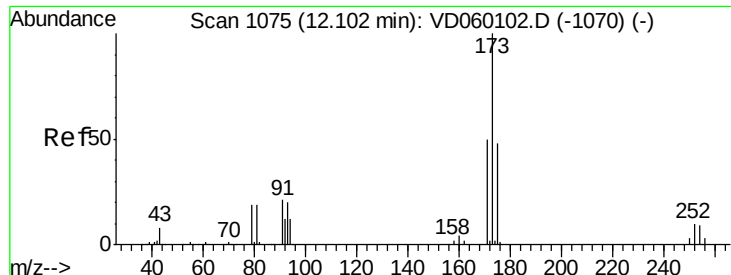
#70
Styrene
Concen: 51.215 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Tgt Ion:104 Resp: 2123430
Ion Ratio Lower Upper
104 100
78 40.1 32.2 48.4
103 46.9 37.4 56.0



Abundance Ion 104.05 (103.75 to 104.75): V
2000000 Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 54.051 ug/l

RT: 12.12 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

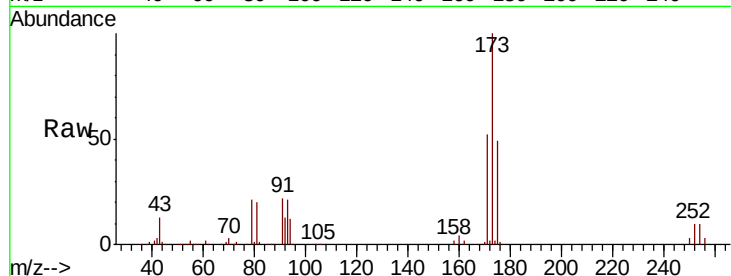
Tot Ion:173 Resp: 604562

Ion Ratio Lower Upper

173 100

175 49.3 24.1 72.4

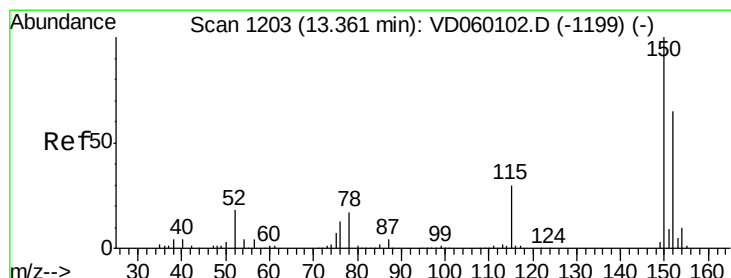
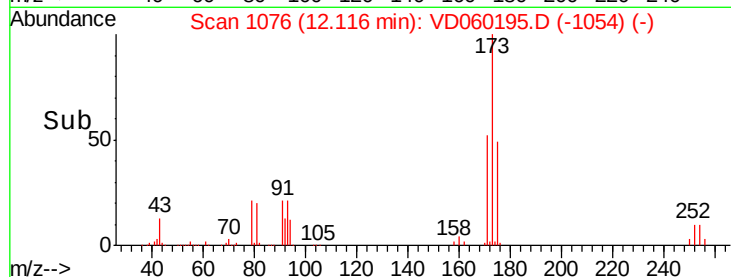
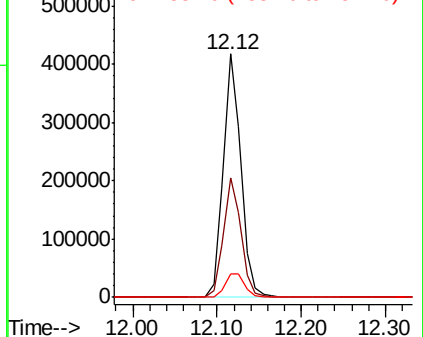
254 9.5 7.4 11.0



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.38 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

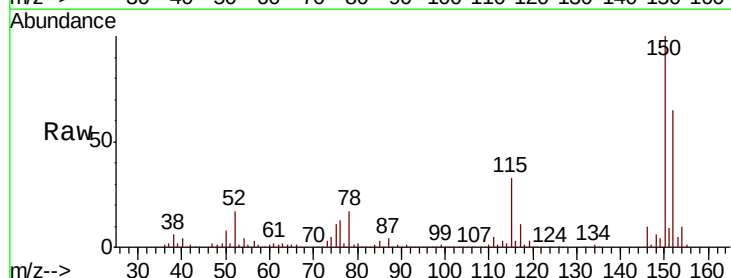
Tgt Ion:152 Resp: 1016805

Ion Ratio Lower Upper

152 100

115 50.8 27.1 81.2

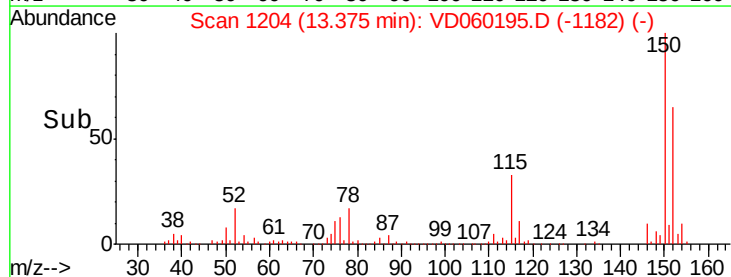
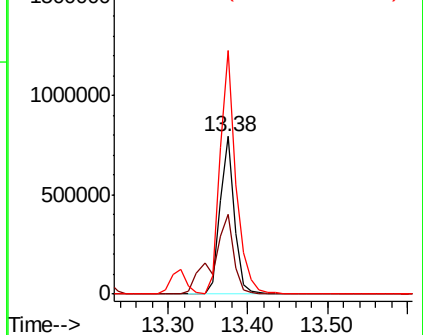
150 154.7 0.0 311.8

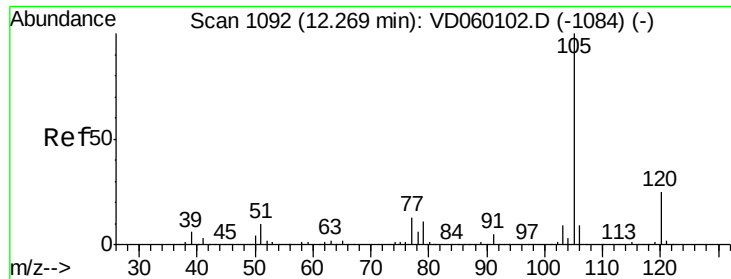


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.294 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

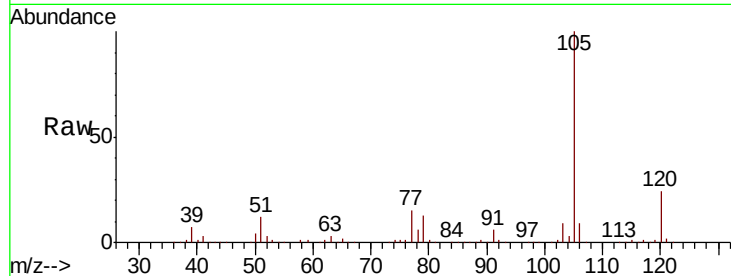
VSTDCCC050

Tot Ion:105 Resp: 3507894

Ion Ratio Lower Upper

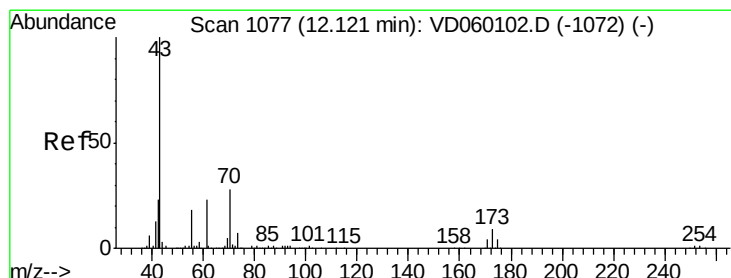
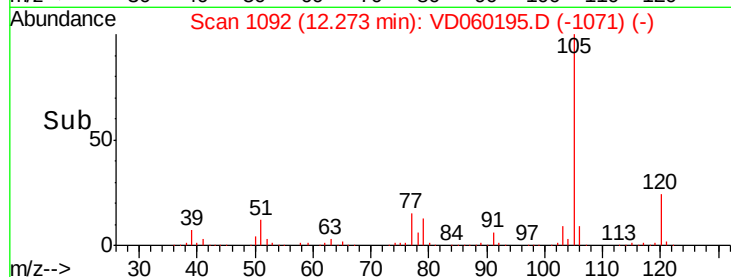
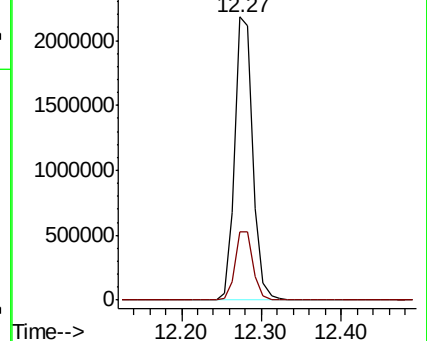
105 100

120 24.1 12.6 37.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 51.551 ug/l

RT: 12.14 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Tgt Ion: 43 Resp: 1266659

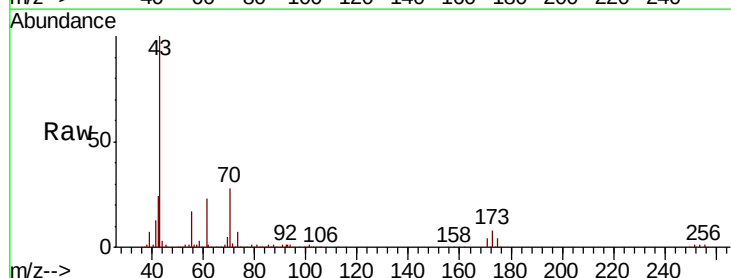
Ion Ratio Lower Upper

43 100

70 28.0 22.1 33.1

55 17.4 14.1 21.1

61 23.2 18.4 27.6

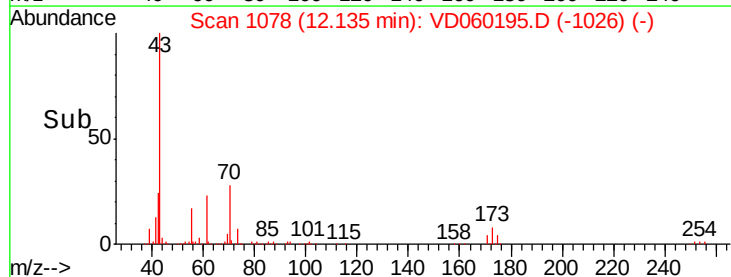
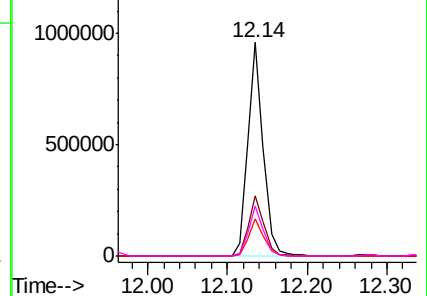


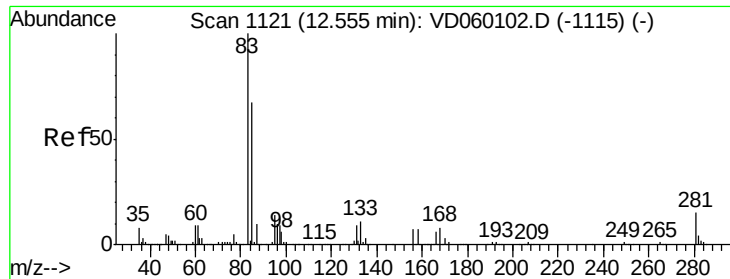
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.258 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

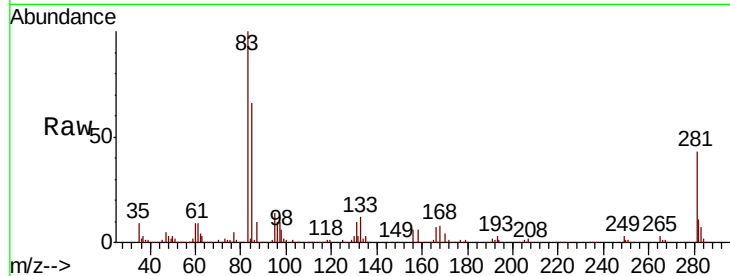
Tot Ion: 83 Resp: 750651

Ion Ratio Lower Upper

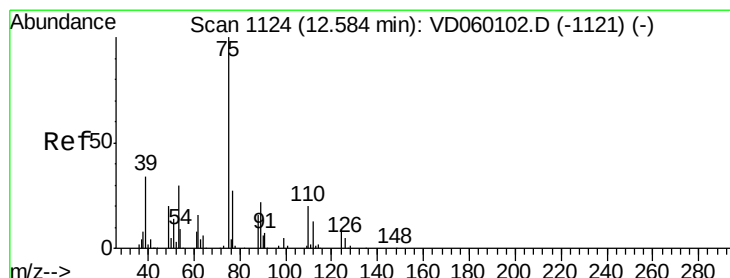
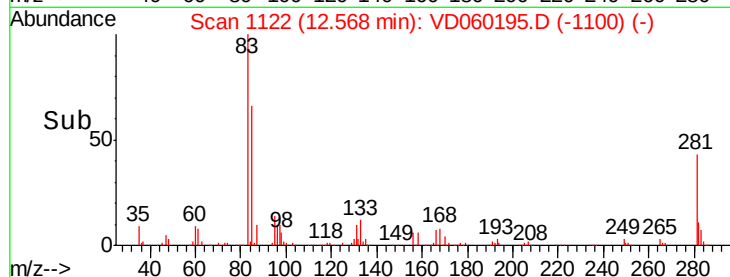
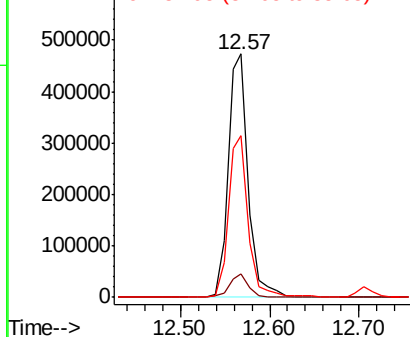
83 100

131 9.9 4.5 13.4

85 66.2 33.3 99.9



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 51.384 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060195.D

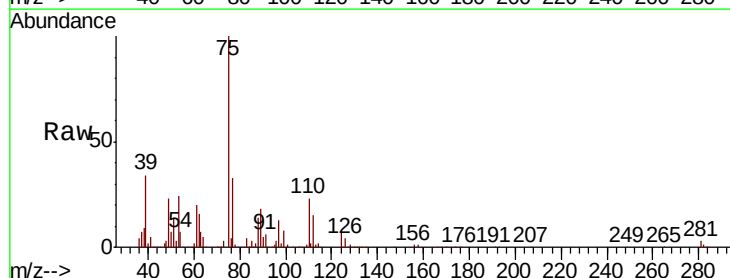
Acq: 25 Oct 2018 14:50

Tgt Ion: 75 Resp: 752431

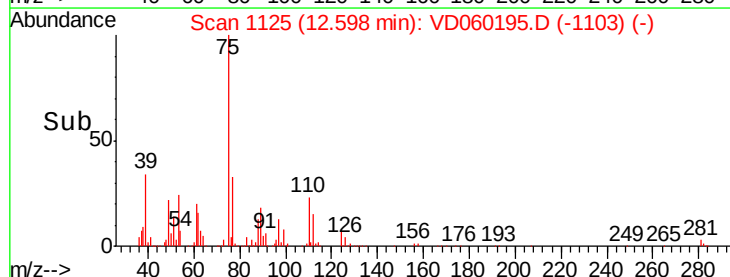
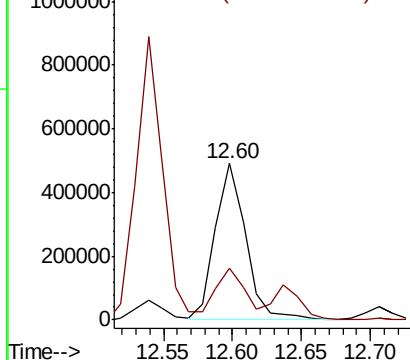
Ion Ratio Lower Upper

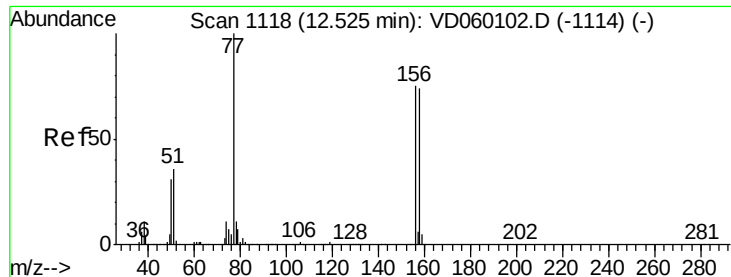
75 100

77 32.9 16.3 48.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.266 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

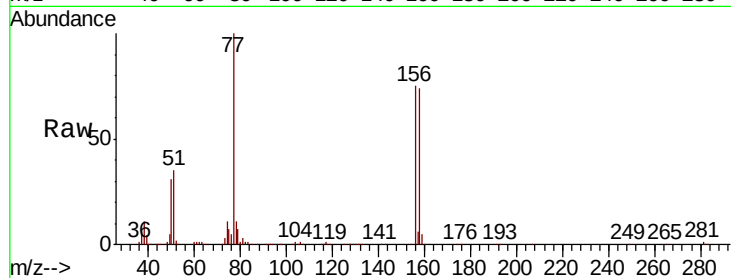
Tot Ion:156 Resp: 979849

Ion Ratio Lower Upper

156 100

77 133.4 66.9 200.7

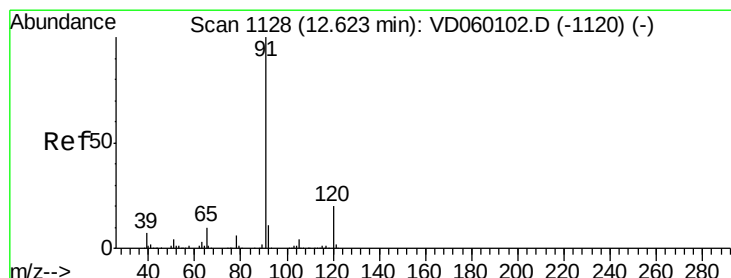
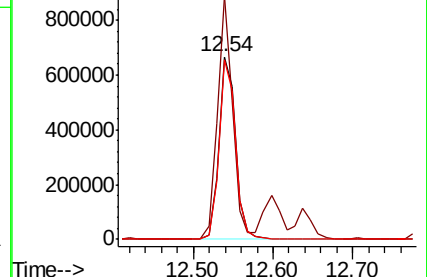
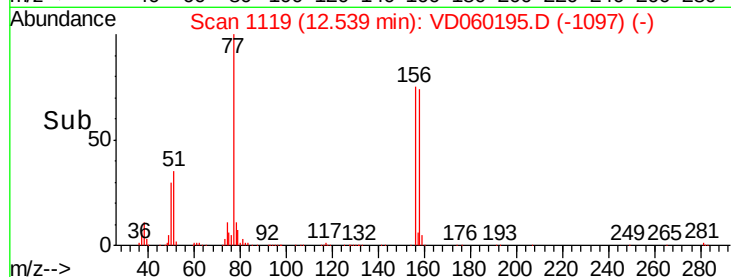
158 98.1 49.1 147.4



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: 51.049 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060195.D

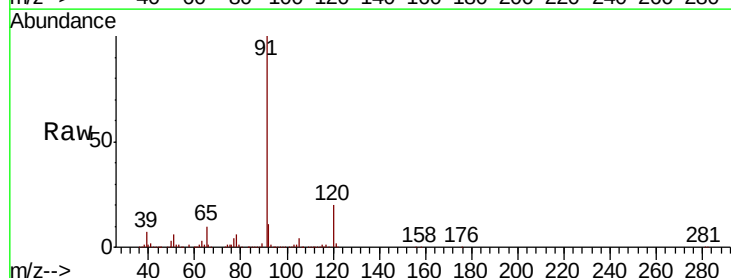
Acq: 25 Oct 2018 14:50

Tgt Ion: 91 Resp: 4252110

Ion Ratio Lower Upper

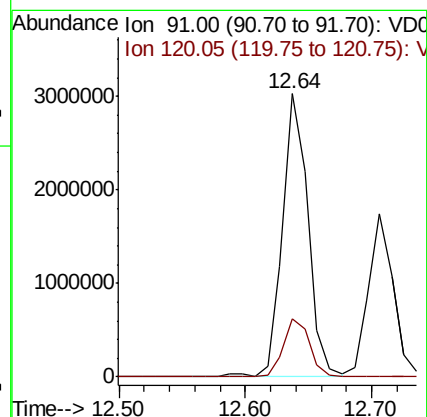
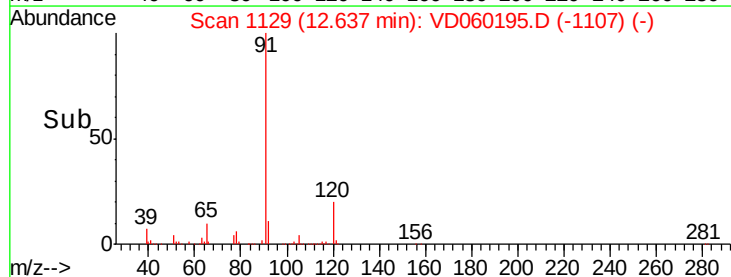
91 100

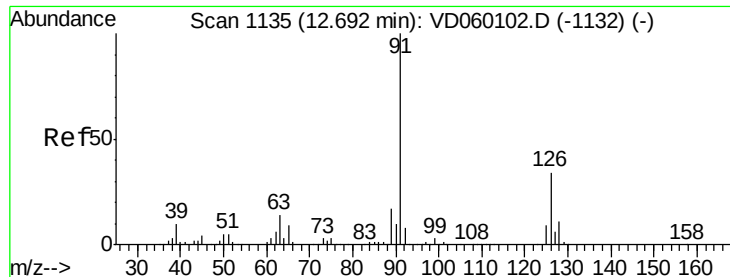
120 20.4 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 50.929 ug/l

RT: 12.71 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

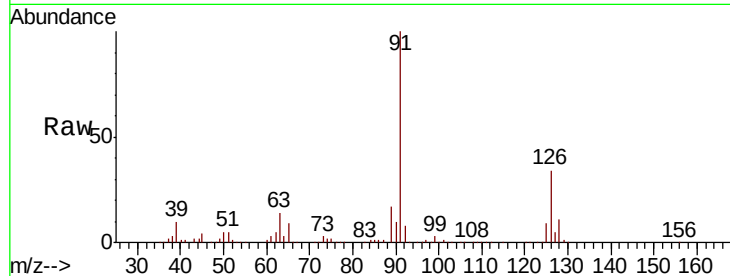
VSTDCCC050

Tot Ion: 91 Resp: 2354409

Ion Ratio Lower Upper

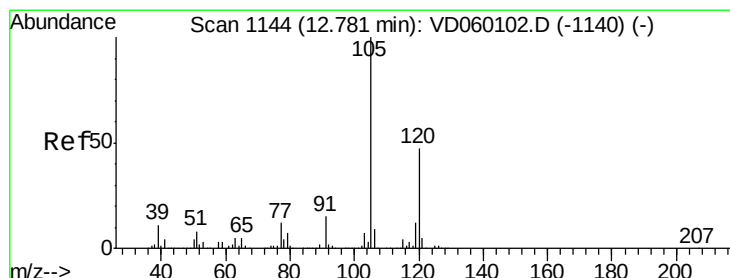
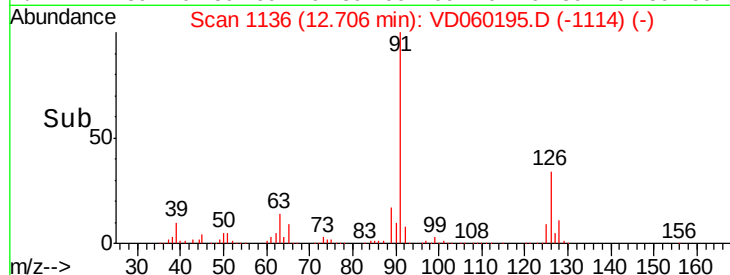
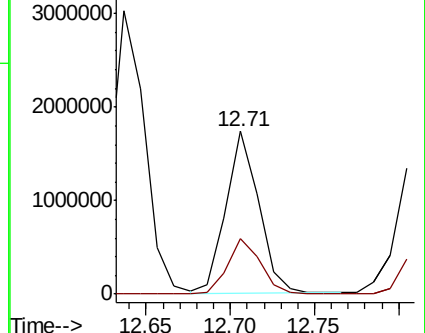
91 100

126 34.3 16.8 50.3



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: 50.600 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060195.D

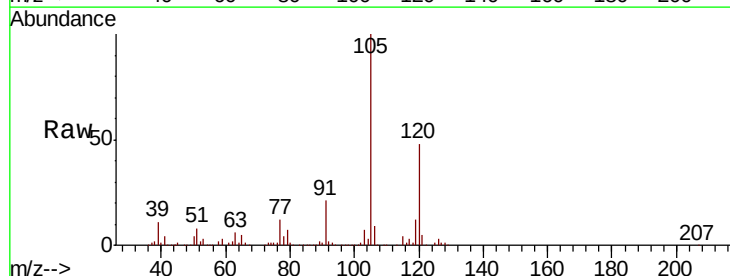
Acq: 25 Oct 2018 14:50

Tgt Ion:105 Resp: 2627008

Ion Ratio Lower Upper

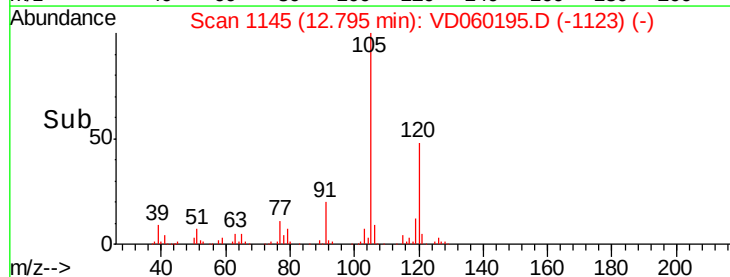
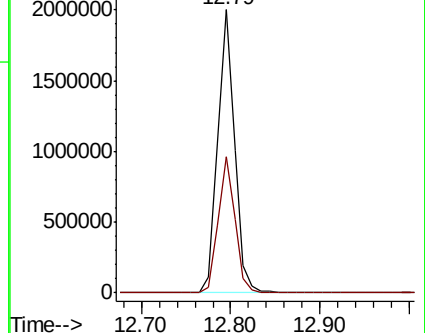
105 100

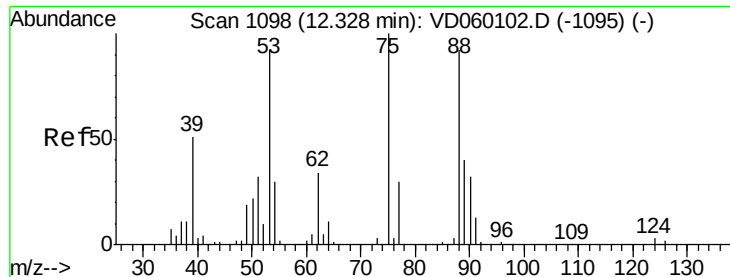
120 48.1 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 54.873 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

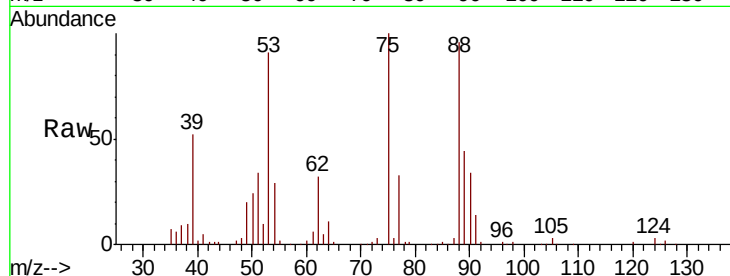
Tot Ion: 75 Resp: 225779

Ion Ratio Lower Upper

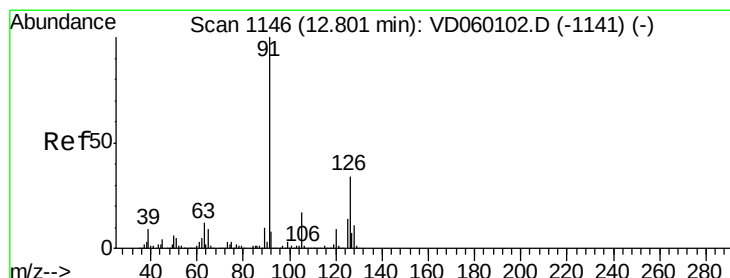
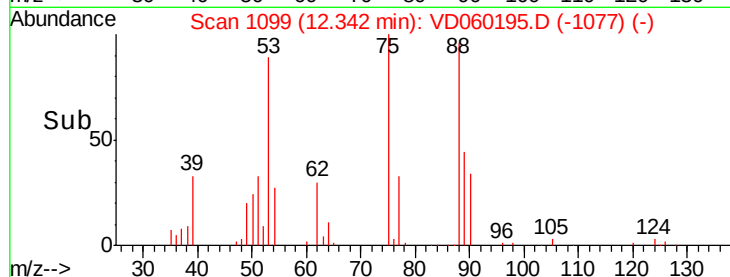
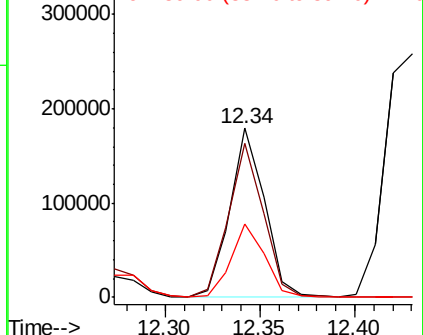
75 100

53 91.0 73.0 109.6

89 43.7 32.0 48.0



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: 49.824 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060195.D

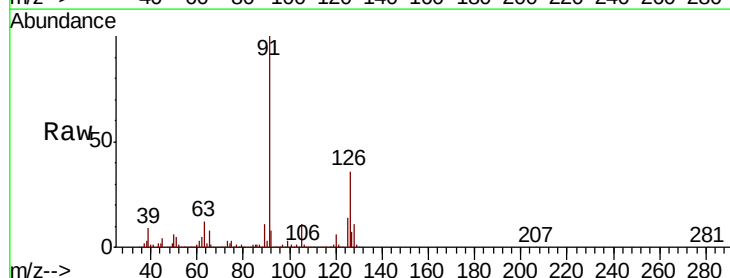
Acq: 25 Oct 2018 14:50

Tgt Ion: 91 Resp: 2605215

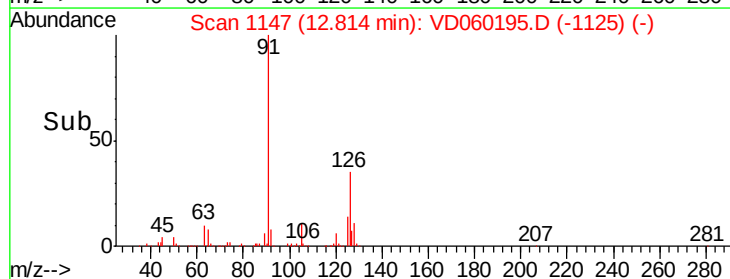
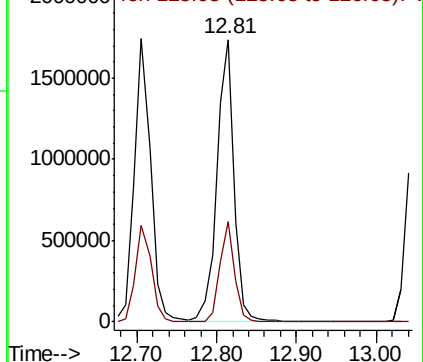
Ion Ratio Lower Upper

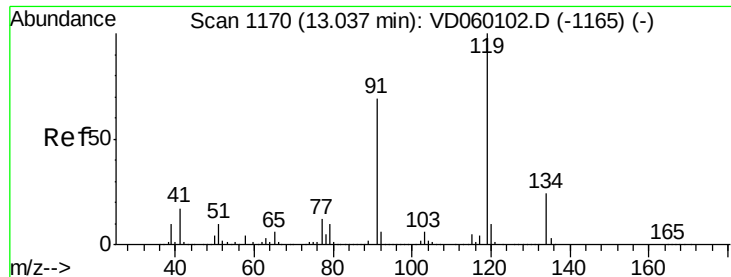
91 100

126 35.6 17.1 51.2



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

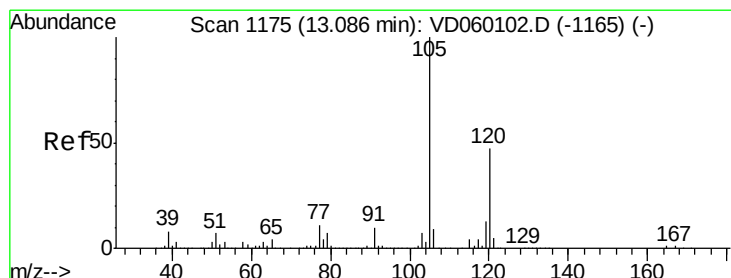
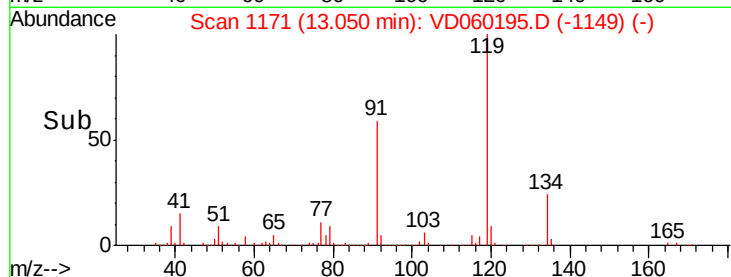
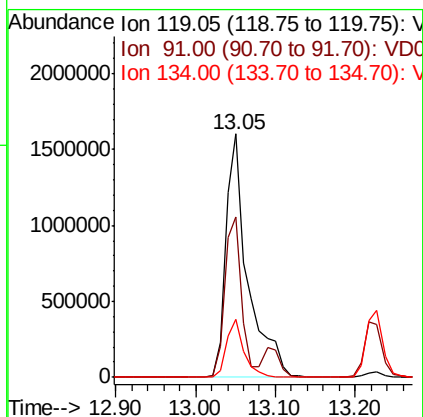
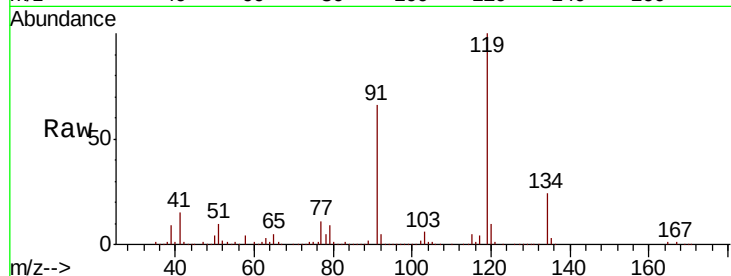




#83
 tert-Butylbenzene
 Concen: 51.977 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. 0.01 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

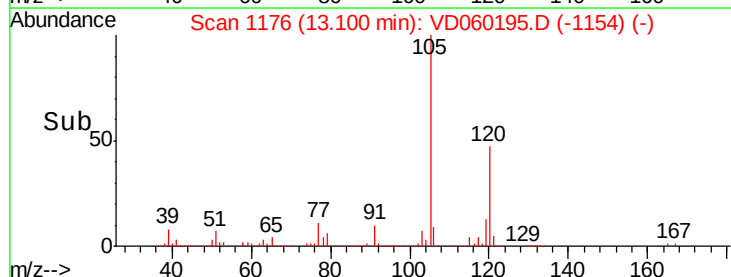
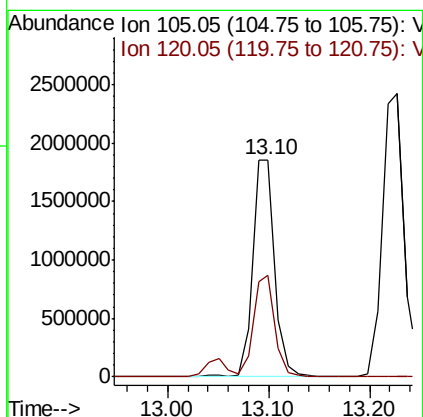
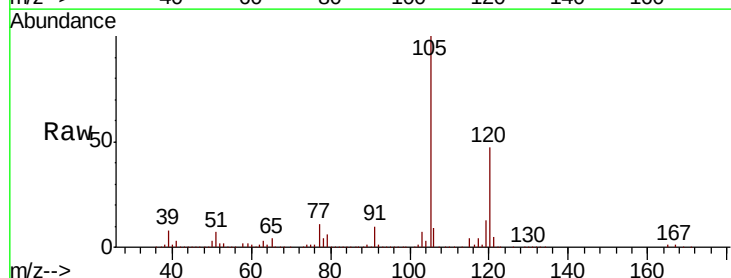
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

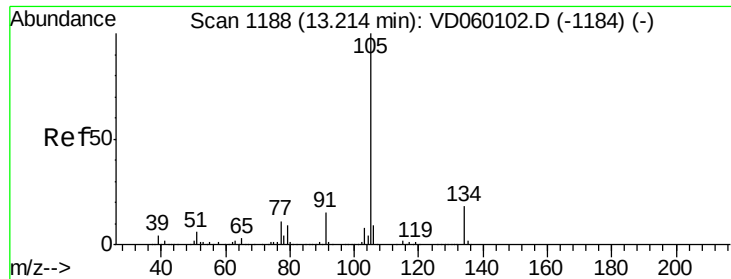
Tot Ion:119 Resp: 3096662
 Ion Ratio Lower Upper
 119 100
 91 65.8 34.8 104.4
 134 23.6 11.8 35.4



#84
 1,2,4-Trimethylbenzene
 Concen: 51.583 ug/l
 RT: 13.10 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Tgt Ion:105 Resp: 2822489
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.4 70.0

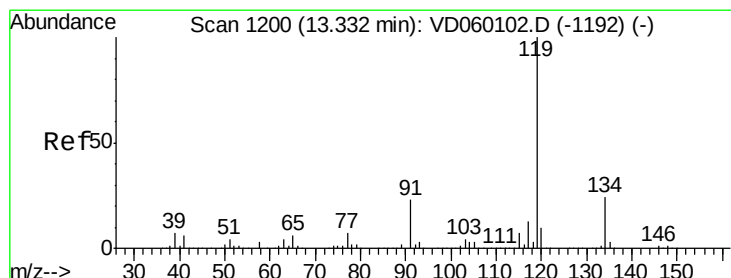
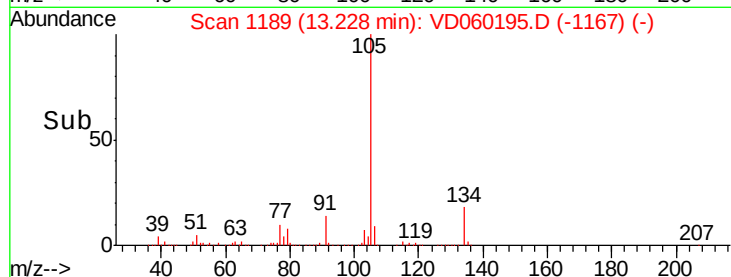
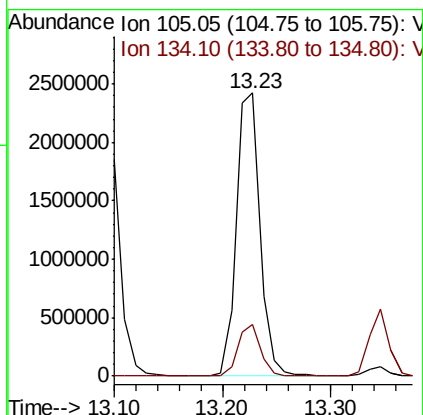
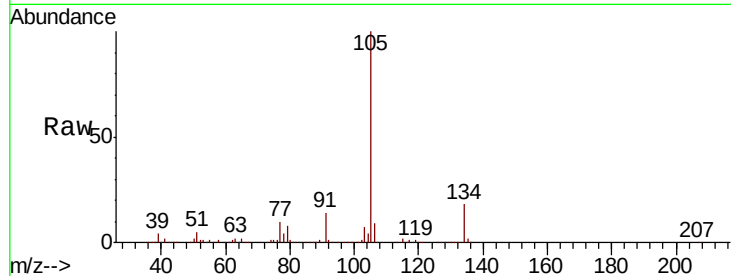




#85
 sec-Butylbenzene
 Concen: 52.106 ug/l
 RT: 13.23 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

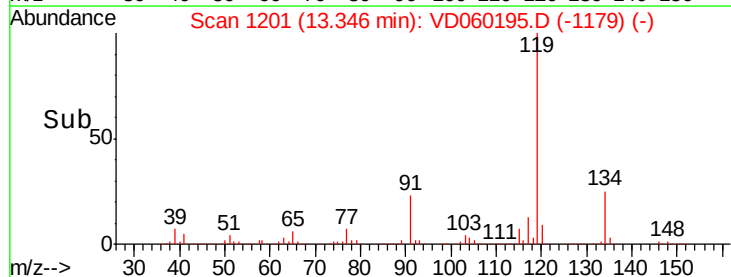
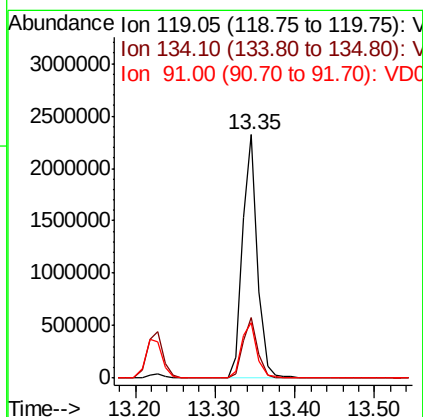
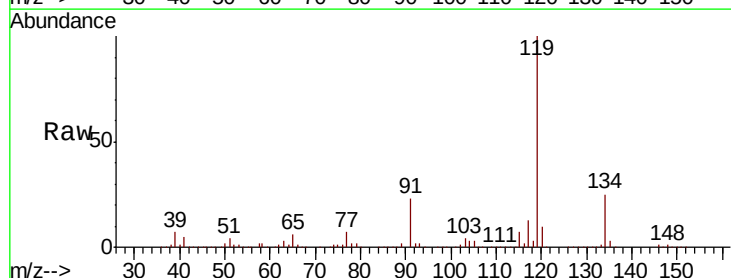
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

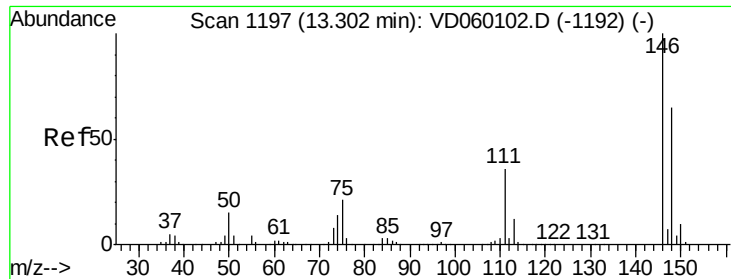
Tot Ion:105 Resp: 3670499
 Ion Ratio Lower Upper
 105 100
 134 18.3 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 51.933 ug/l
 RT: 13.35 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Tgt Ion:119 Resp: 3000580
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.3 36.8
 91 22.9 11.8 35.4

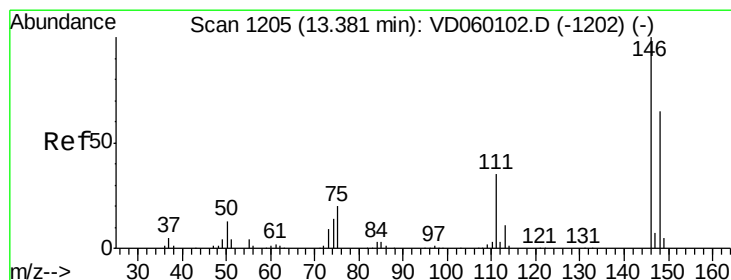
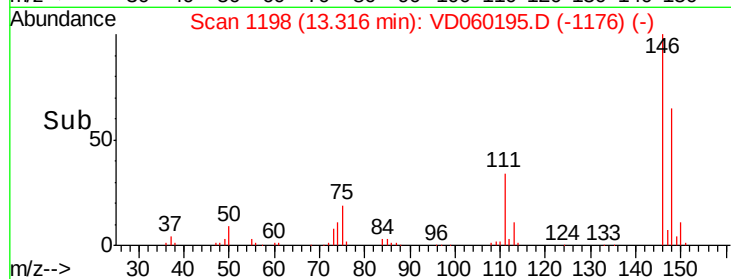
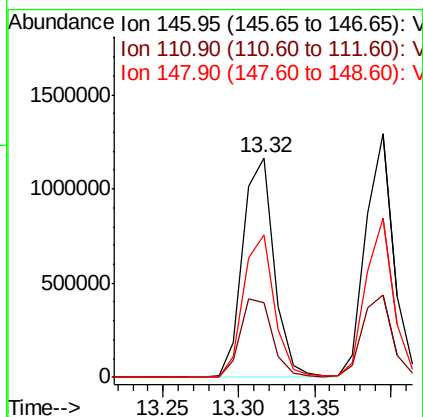
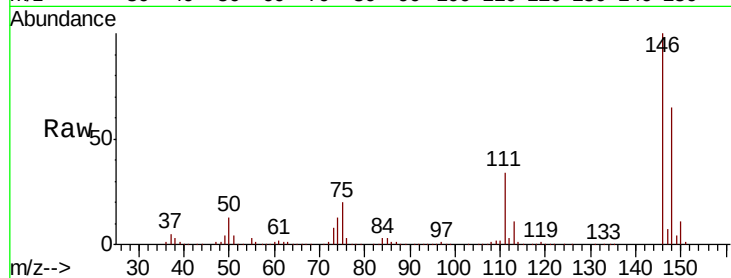




#87
 1,3-Dichlorobenzene
 Concen: 49.568 ug/l
 RT: 13.32 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

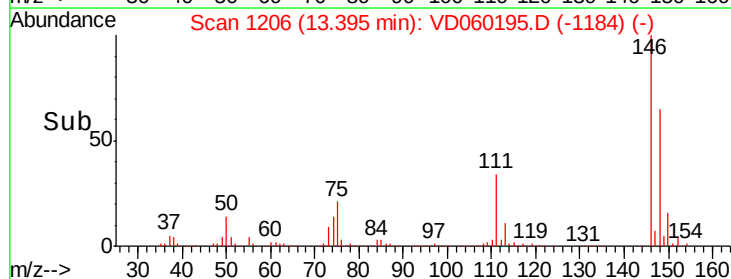
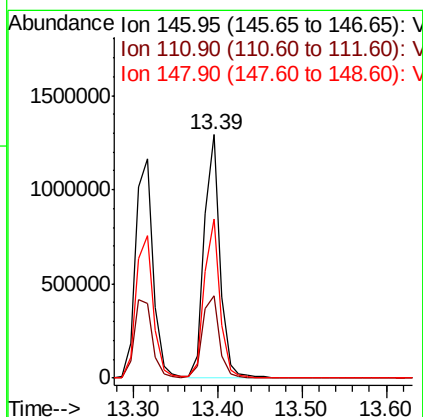
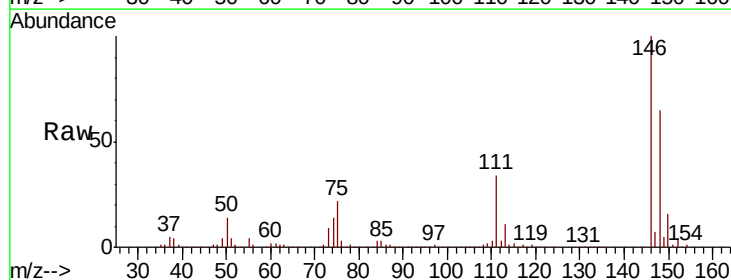
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

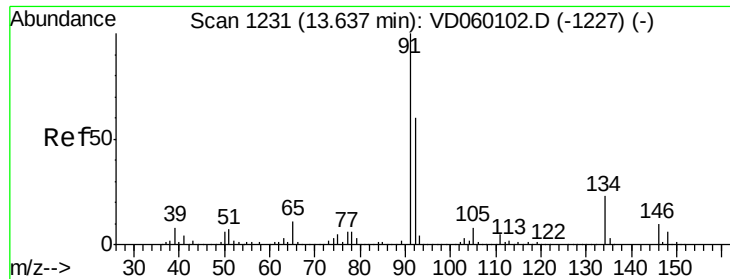
Tot Ion:146 Resp: 1683425
 Ion Ratio Lower Upper
 146 100
 111 34.1 18.1 54.3
 148 64.8 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 49.226 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Tgt Ion:146 Resp: 1679264
 Ion Ratio Lower Upper
 146 100
 111 33.9 17.8 53.3
 148 65.3 32.4 97.2

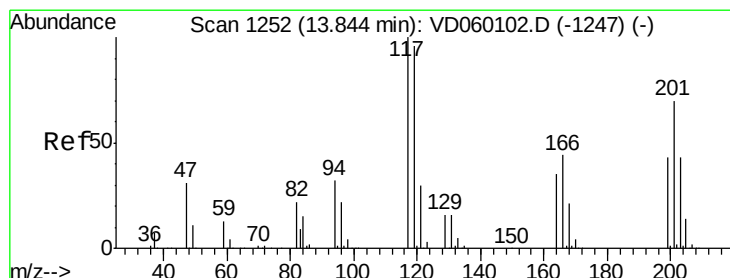
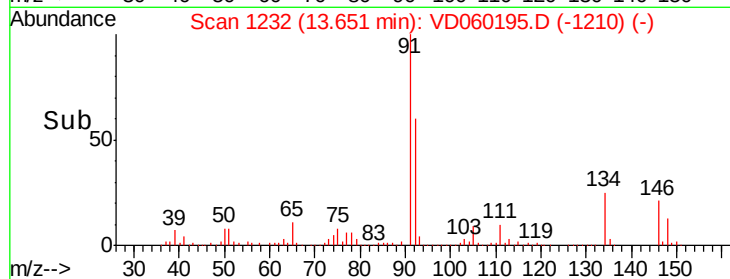
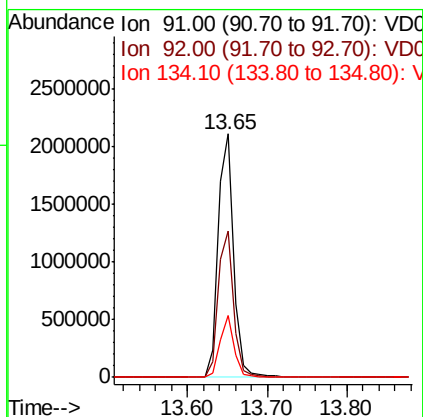
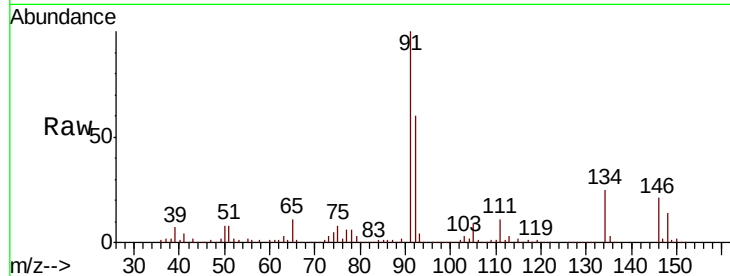




#89
n-Butylbenzene
Concen: 51.418 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

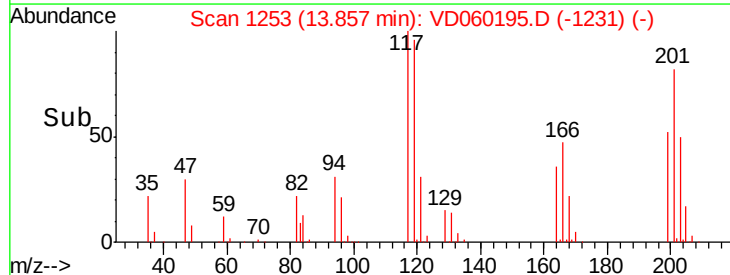
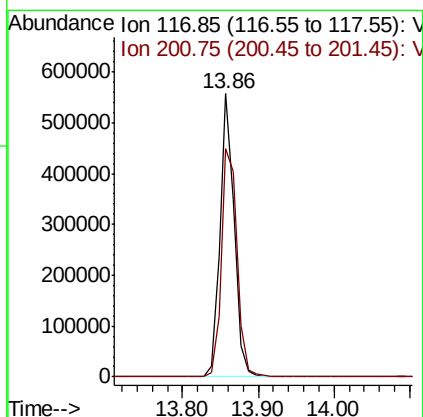
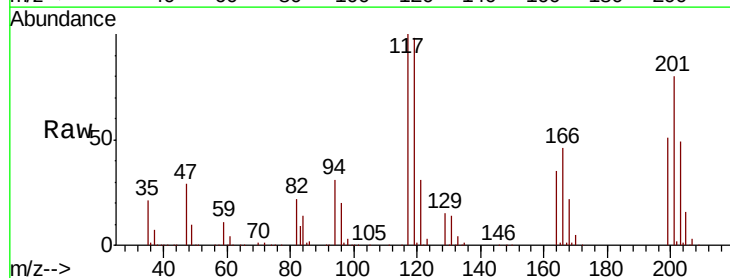
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

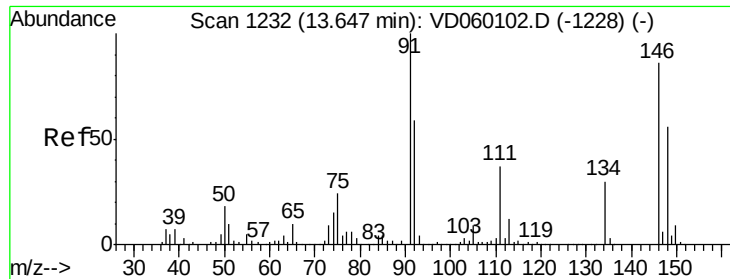
Tot Ion: 91 Resp: 2898784
Ion Ratio Lower Upper
91 100
92 59.9 30.1 90.3
134 25.3 11.6 34.7



#90
Hexachloroethane
Concen: 55.412 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Tgt Ion: 117 Resp: 740959
Ion Ratio Lower Upper
117 100
201 80.5 34.8 104.5

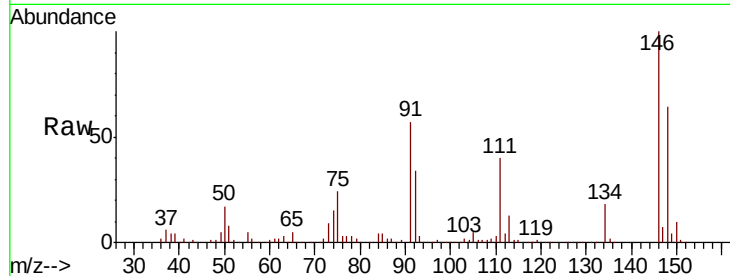




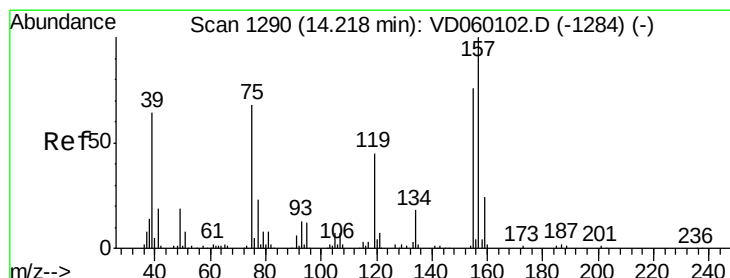
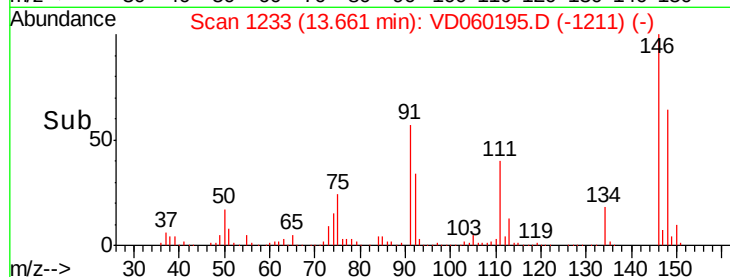
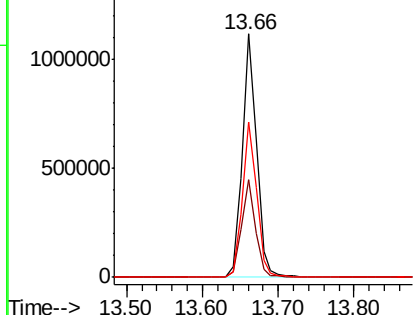
#91
 1,2-Dichlorobenzene
 Concen: 50.316 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1436855
 Ion Ratio Lower Upper
 146 100
 111 40.4 21.4 64.3
 148 63.9 32.2 96.6

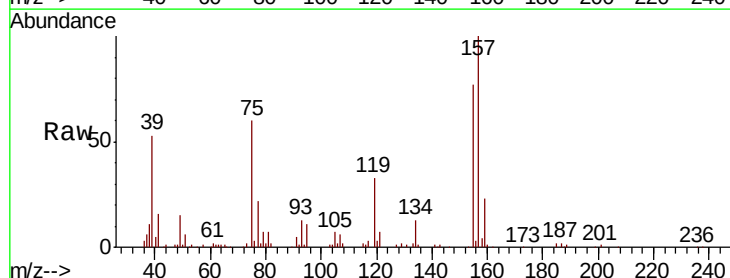


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

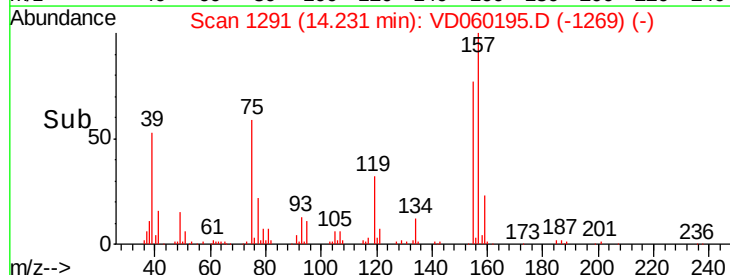
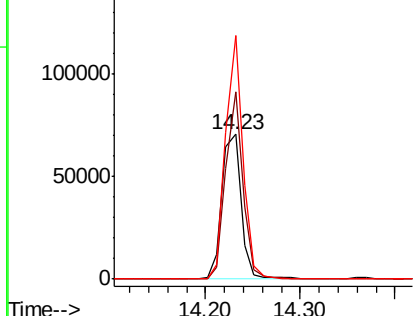


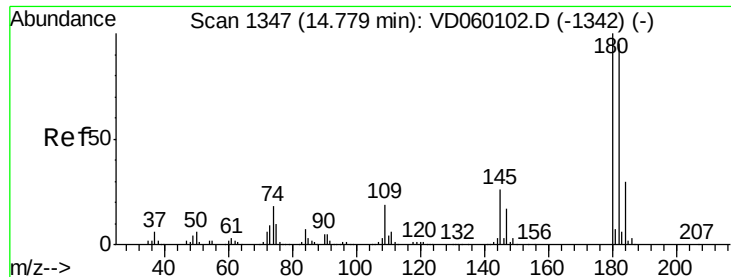
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.012 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Tgt Ion: 75 Resp: 101704
 Ion Ratio Lower Upper
 75 100
 155 129.3 55.9 167.7
 157 167.9 73.3 219.8



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



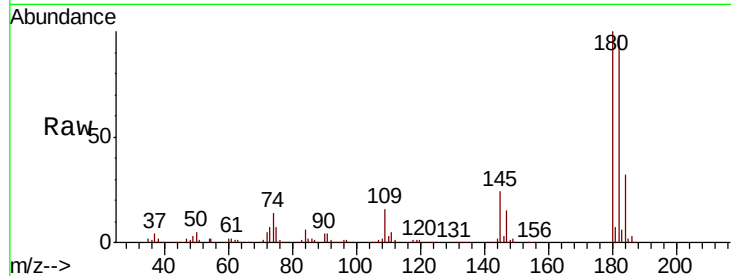


#93
 1,2,4-Trichlorobenzene
 Concen: 50.786 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

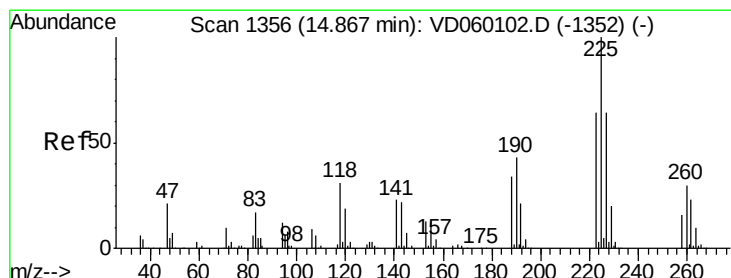
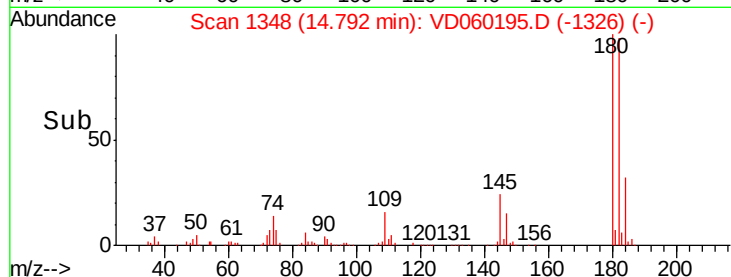
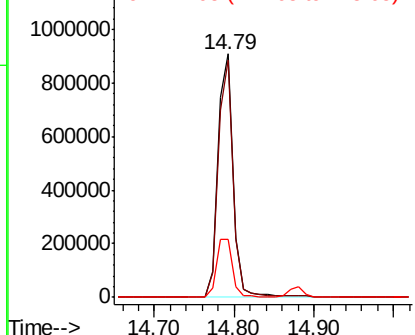
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 1230972

Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.3	141.8
145	23.9	13.0	38.9



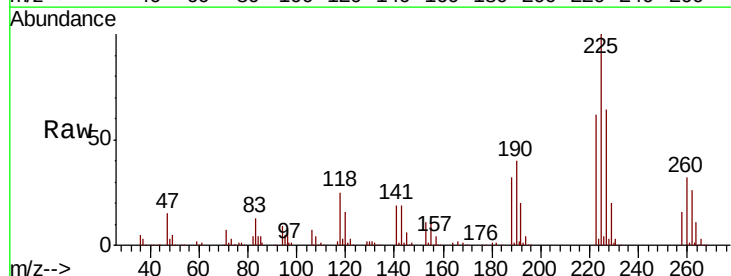
Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V



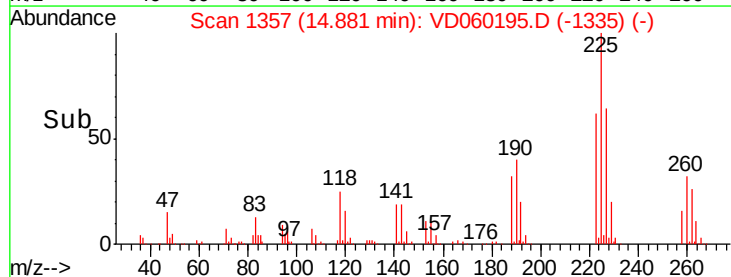
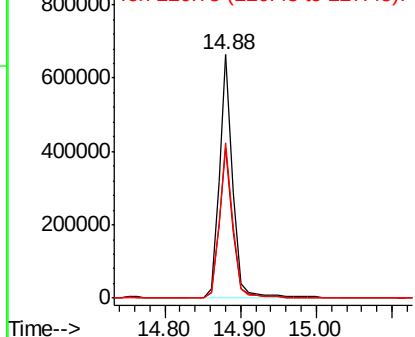
#94
 Hexachlorobutadiene
 Concen: 51.648 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

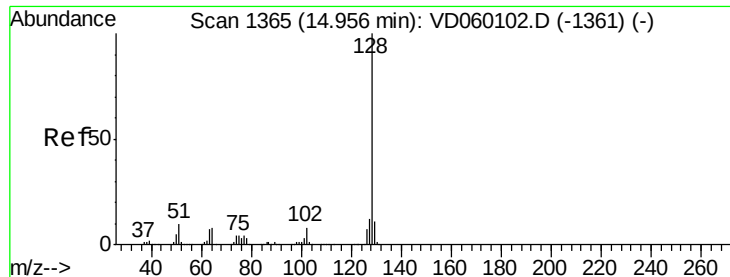
Tgt Ion:225 Resp: 832130

Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.8	95.4
227	64.0	32.0	96.0



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

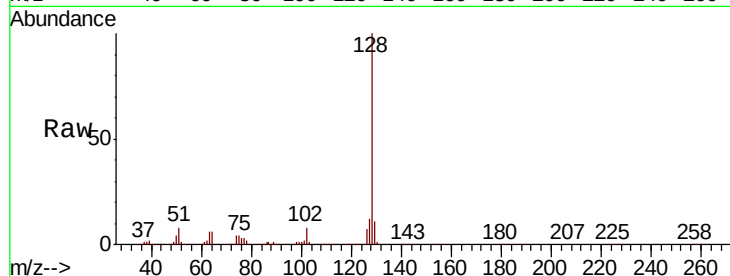




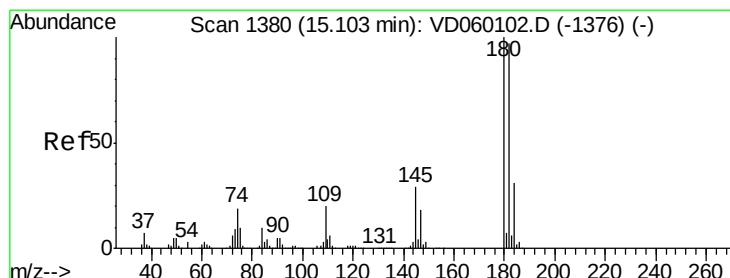
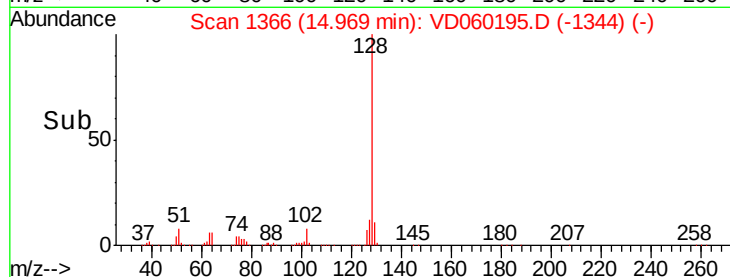
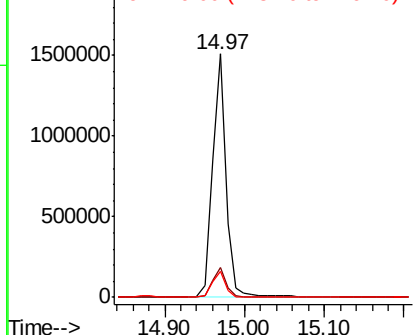
#95
Naphthalene
Concen: 50.286 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1806702
Ion Ratio Lower Upper
128 100
127 12.3 9.9 14.9
129 10.8 8.8 13.2

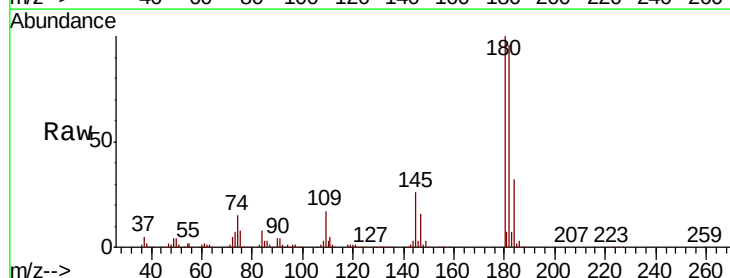


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 48.971 ug/l
RT: 15.12 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Tgt Ion:180 Resp: 1032562
Ion Ratio Lower Upper
180 100
182 95.9 48.4 145.0
145 25.7 14.5 43.6



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

