

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031219\
 Data File : VD061018.D
 Acq On : 12 Mar 2019 11:25
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 13 04:05:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	751693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1201734	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1000642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	463673	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	280173	44.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.56%	
35) Dibromofluoromethane	6.92	113	453014	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
50) Toluene-d8	10.41	98	1084411	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
62) 4-Bromofluorobenzene	13.56	95	416429	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	359031	48.218	ug/l	99
3) Chloromethane	1.77	50	291476	46.991	ug/l	99
4) Vinyl Chloride	1.86	62	275852	48.129	ug/l	100
5) Bromomethane	2.16	94	63136	66.482	ug/l	92
6) Chloroethane	2.28	64	96894	56.480	ug/l	90
7) Trichlorofluoromethane	2.54	101	412079	50.048	ug/l	97
8) Diethyl Ether	2.88	74	144340	53.140	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.16	101	469037	50.953	ug/l	98
10) Methyl Iodide	3.32	142	616894	48.741	ug/l	99
11) Tert butyl alcohol	4.06	59	108545	272.499	ug/l	99
12) 1,1-Dichloroethene	3.14	96	389734	51.651	ug/l	93
13) Acrolein	3.04	56	151252	262.431	ug/l	89
14) Allyl chloride	3.64	41	579709	48.018	ug/l	97
15) Acrylonitrile	4.20	53	352708	250.533	ug/l	96
16) Acetone	3.22	43	495990	277.207	ug/l	100
17) Carbon Disulfide	3.39	76	1293485	50.818	ug/l	100
18) Methyl Acetate	3.65	43	175697	49.897	ug/l	92
19) Methyl tert-butyl Ether	4.25	73	679280	51.369	ug/l	95
20) Methylene Chloride	3.82	84	386073	47.048	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	407066	49.843	ug/l	97
22) Diisopropyl ether	5.13	45	1209296	48.253	ug/l	97
23) Vinyl Acetate	5.06	43	3253129	252.860	ug/l	99
24) 1,1-Dichloroethane	4.99	63	691904	50.389	ug/l	100
25) 2-Butanone	6.07	43	552458	272.108	ug/l	100
26) 2,2-Dichloropropane	6.03	77	567359	52.928	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	463517	53.493	ug/l	96
28) Bromochloromethane	6.44	49	285972	49.194	ug/l	95
29) Tetrahydrofuran	6.46	42	255848	232.073	ug/l	97
30) Chloroform	6.67	83	692678	48.672	ug/l	99
31) Cyclohexane	6.96	56	569316	51.420	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	607529	49.378	ug/l	98
36) 1,1-Dichloropropene	7.15	75	555871	53.662	ug/l	98
37) Ethyl Acetate	6.19	43	248431	51.107	ug/l	98
38) Carbon Tetrachloride	7.12	117	671631	58.861	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	579147	53.918	ug/l	96
40) Benzene	7.46	78	1301806	50.294	ug/l	99
41) Methacrylonitrile	6.45	41	283638	50.729	ug/l	94
42) 1,2-Dichloroethane	7.58	62	411546	54.789	ug/l	99
43) Isopropyl Acetate	9.24	43	358102	53.189	ug/l	98
44) Trichloroethene	8.55	130	488395	54.693	ug/l	99
45) 1,2-Dichloropropane	8.94	63	344109	50.602	ug/l	98
46) Dibromomethane	9.07	93	231964	53.775	ug/l	99
47) Bromodichloromethane	9.37	83	526393	54.078	ug/l	99
48) Methyl methacrylate	9.12	41	203350	53.644	ug/l	99
49) 1,4-Dioxane	9.08	88	42989	1121.515	ug/l	96
51) 4-Methyl-2-Pentanone	10.30	43	1051342	254.895	ug/l	98
52) Toluene	10.51	92	801058	49.769	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	475601	53.434	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	575470	53.810	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	269201	50.222	ug/l	98
56) Ethyl methacrylate	11.05	69	297691	53.059	ug/l	96
57) 1,3-Dichloropropane	11.41	76	443422	55.357	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	766130	257.973	ug/l	100
59) 2-Hexanone	11.53	43	772455	256.023	ug/l	99
60) Dibromochloromethane	11.69	129	398214	50.479	ug/l	98
61) 1,2-Dibromoethane	11.81	107	305962	49.068	ug/l	98
64) Tetrachloroethene	11.26	164	368911	54.615	ug/l	97
65) Chlorobenzene	12.40	112	1011786	51.577	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	368243	52.663	ug/l	99
67) Ethyl Benzene	12.53	91	1406032	48.144	ug/l	100
68) m/p-Xylenes	12.67	106	1130348	98.612	ug/l	100
69) o-Xylene	13.05	106	531369	47.160	ug/l	96
70) Styrene	13.08	104	853248	46.376	ug/l	98
71) Bromoform	13.23	173	236209	52.364	ug/l #	97
73) Isopropylbenzene	13.40	105	1511311	45.227	ug/l	98
74) N-amyl acetate	13.26	43	416945	44.313	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	305503	46.859	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	319529	47.900	ug/l	100
77) Bromobenzene	13.68	156	418577	49.071	ug/l	92
78) n-propylbenzene	13.78	91	1812928	46.343	ug/l	98
79) 2-Chlorotoluene	13.84	91	972641	45.161	ug/l	96
80) 1,3,5-Trimethylbenzene	14.24	105	1173827	46.272	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	104889	53.333	ug/l	92
82) 4-Chlorotoluene	13.95	91	1139652	44.761	ug/l	97
83) tert-Butylbenzene	14.19	119	1461107	52.629	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	1173827	46.272	ug/l	98
85) sec-Butylbenzene	14.37	105	1731708	51.094	ug/l	95
86) p-Isopropyltoluene	14.49	119	1297894	46.849	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	786639	51.645	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	727889	48.630	ug/l	99
89) n-Butylbenzene	14.80	91	1163299	43.726	ug/l	97
90) Hexachloroethane	15.01	117	391436	50.038	ug/l	73
91) 1,2-Dichlorobenzene	14.81	146	582612	45.882	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	40074	51.008	ug/l	73

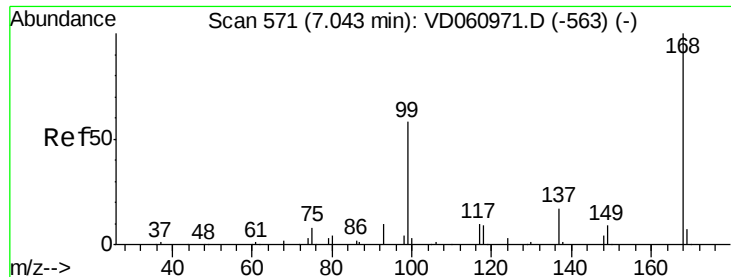
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031219\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	280154	47.559	ug/l	98
94) Hexachlorobutadiene	16.04	225	202915	45.542	ug/l	100
95) Naphthalene	16.13	128	455745	50.912	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	124069	42.644	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

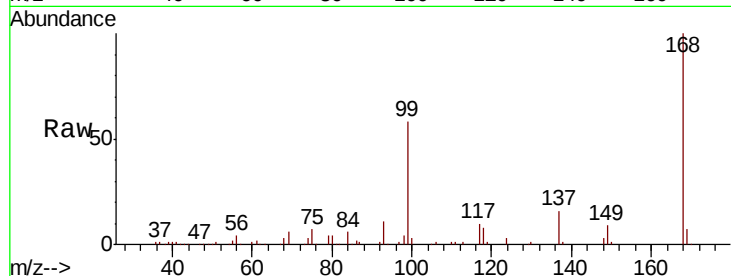
VSTDCCC050

Tgt Ion:168 Resp: 751693

Ion Ratio Lower Upper

168 100

99 57.7 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

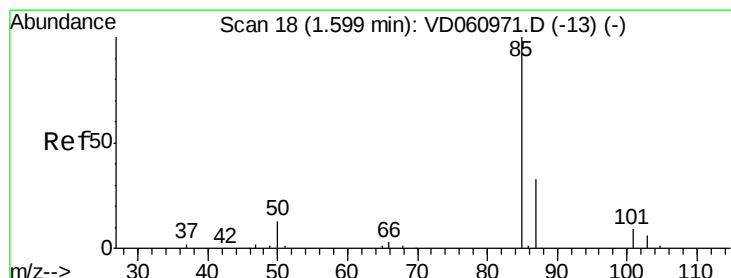
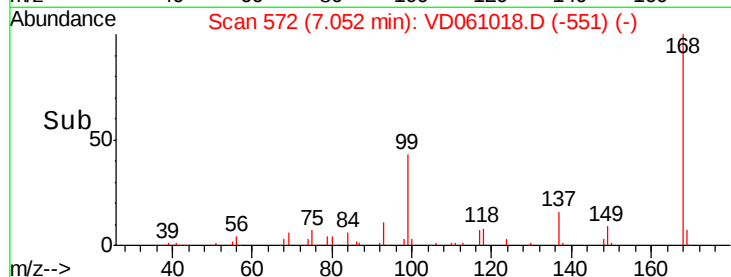
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 48.218 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD061018.D

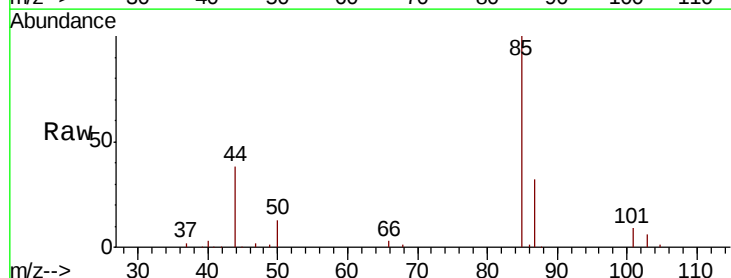
Acq: 12 Mar 2019 11:25

Tgt Ion: 85 Resp: 359031

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

150000

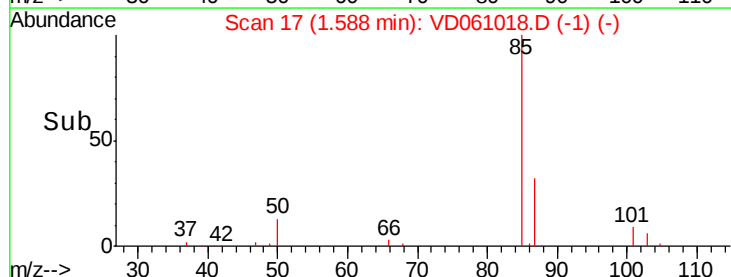
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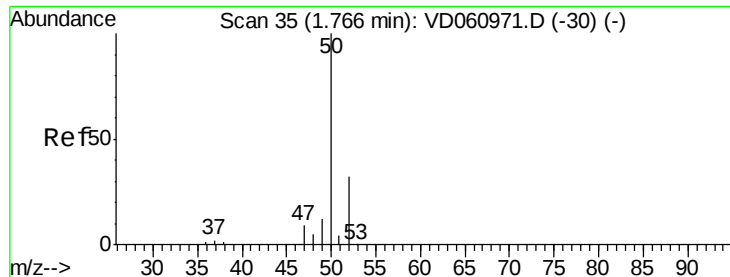
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 46.991 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.00 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

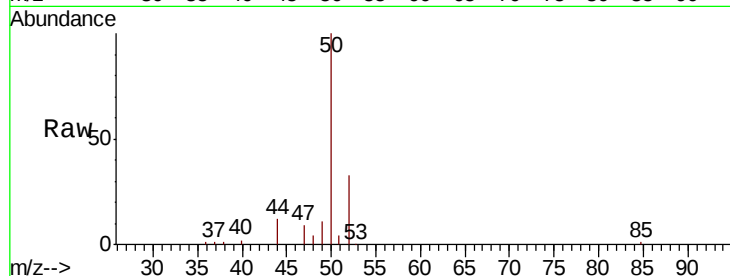
VSTDCCC050

Tgt Ion: 50 Resp: 291476

Ion Ratio Lower Upper

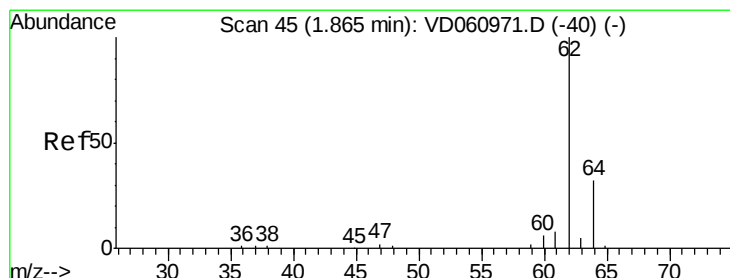
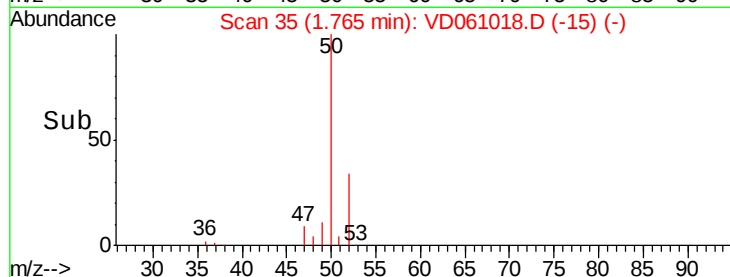
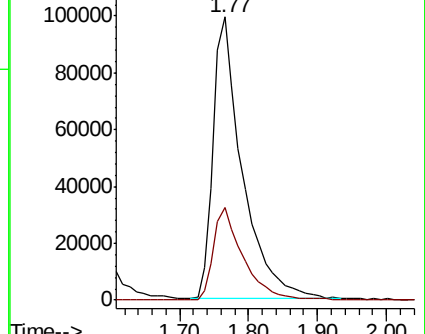
50 100

52 32.6 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.129 ug/l

RT: 1.86 min Scan# 45

Delta R.T. -0.00 min

Lab File: VD061018.D

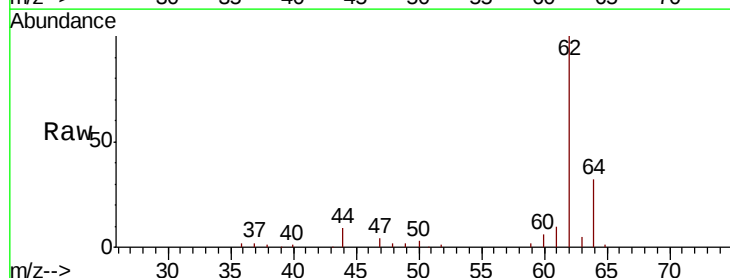
Acq: 12 Mar 2019 11:25

Tgt Ion: 62 Resp: 275852

Ion Ratio Lower Upper

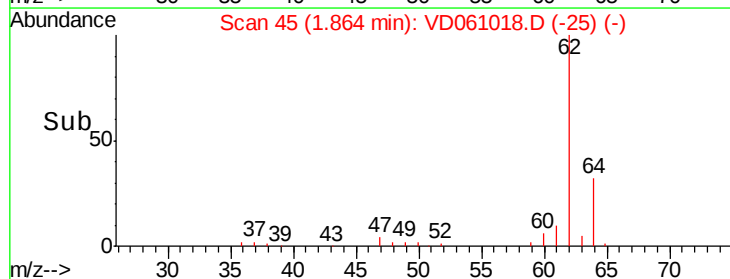
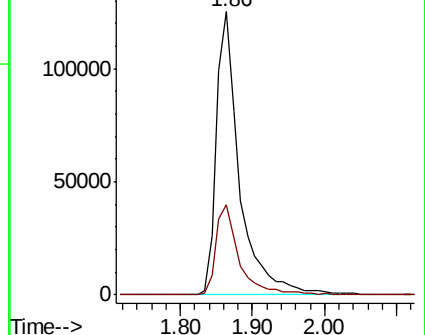
62 100

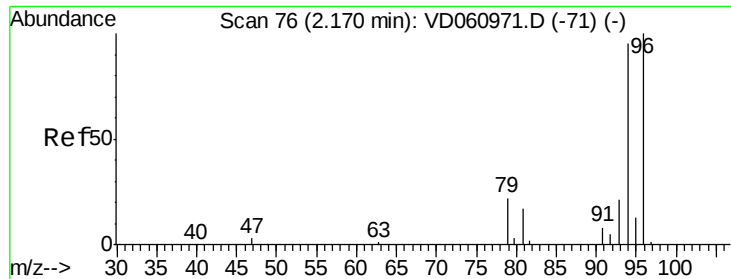
64 31.7 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 66.482 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

Instrument :

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ClientSampleId :

VSTDCCC050

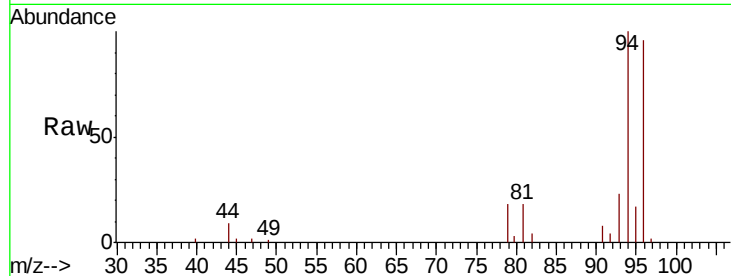
Tgt Ion: 94 Resp: 63136

Ion Ratio Lower Upper

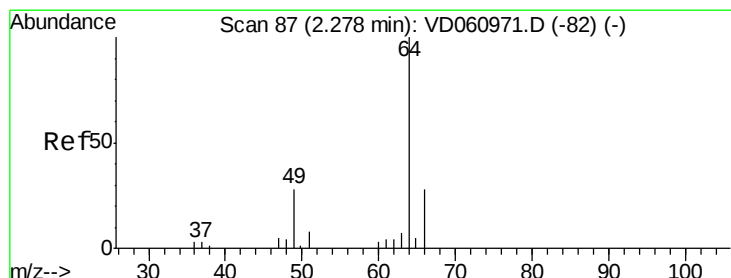
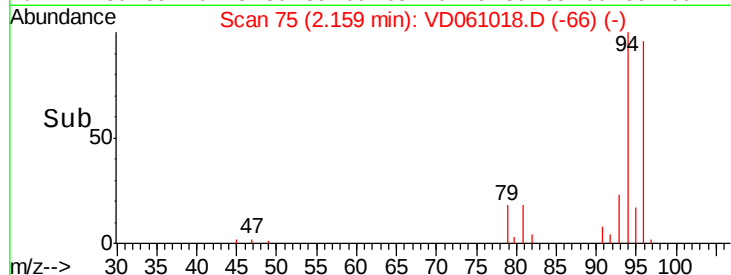
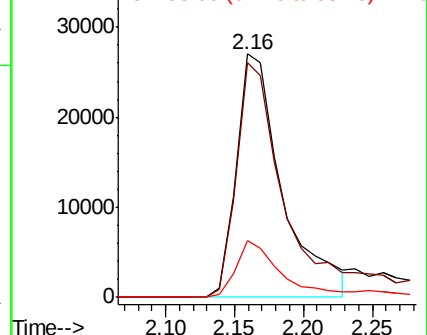
94 100

96 96.4 84.0 126.0

93 23.3 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 56.480 ug/l

RT: 2.28 min Scan# 87

Delta R.T. -0.00 min

Lab File: VD061018.D

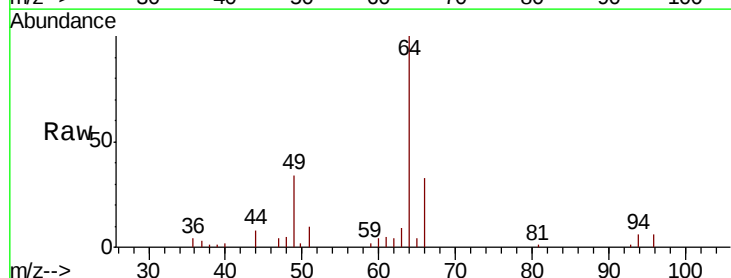
Acq: 12 Mar 2019 11:25

Tgt Ion: 64 Resp: 96894

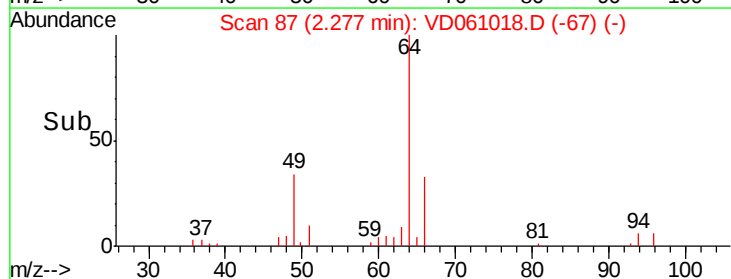
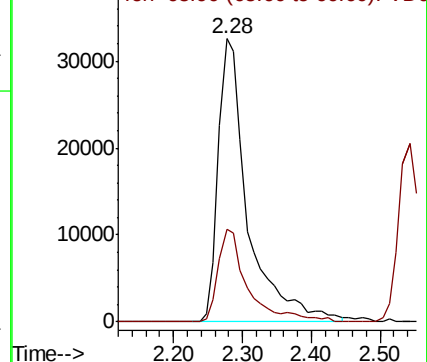
Ion Ratio Lower Upper

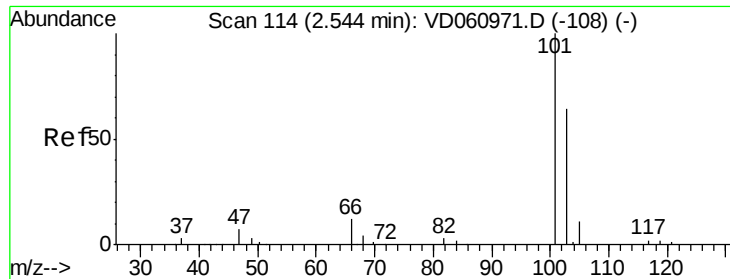
64 100

66 32.8 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



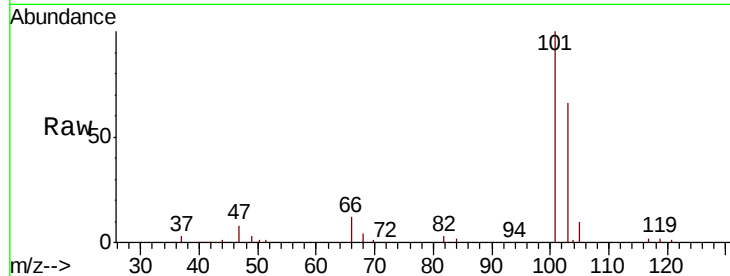


#7

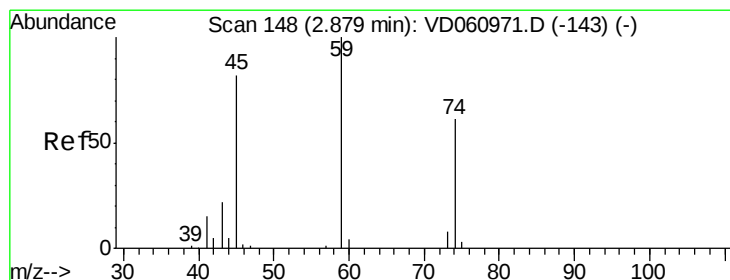
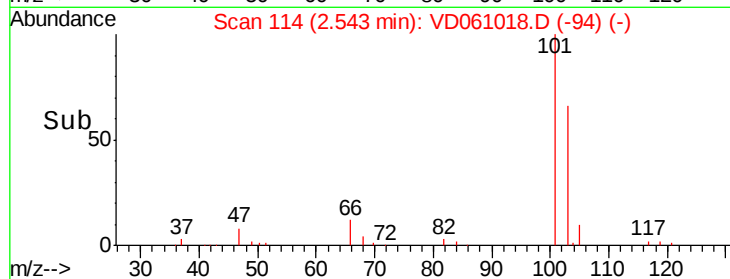
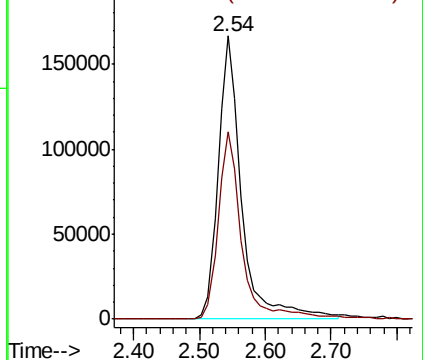
Trichlorofluoromethane
 Concen: 50.048 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. -0.00 min
 Lab File: VD061018.D
 Acq: 12 Mar 2019 11:25

Instrument :
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 VSTDCCC050

Tgt Ion: 101 Resp: 412079
 Ion Ratio Lower Upper
 101 100
 103 66.1 51.2 76.8



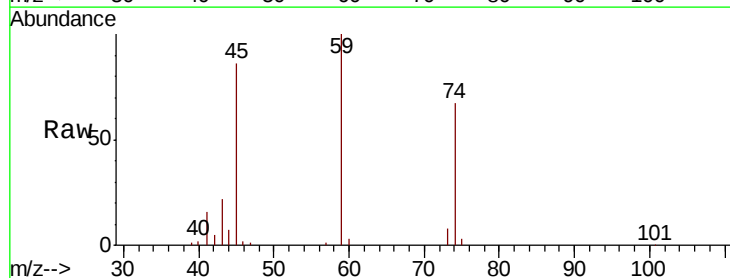
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



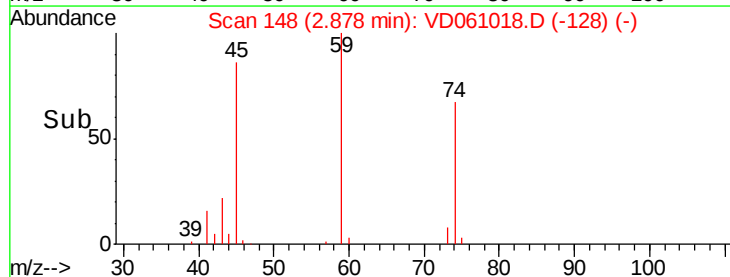
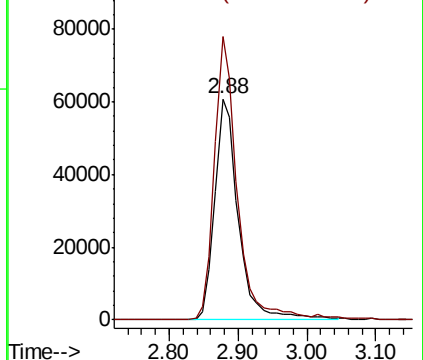
#8

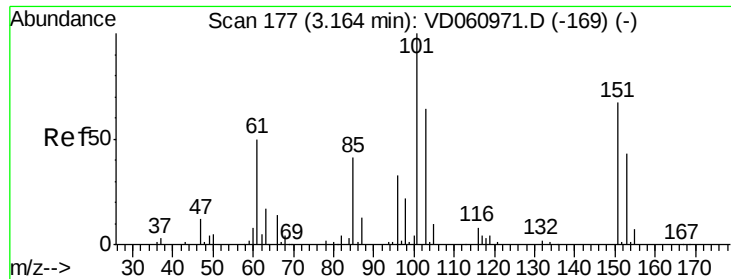
Diethyl Ether
 Concen: 53.140 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. -0.00 min
 Lab File: VD061018.D
 Acq: 12 Mar 2019 11:25

Tgt Ion: 74 Resp: 144340
 Ion Ratio Lower Upper
 74 100
 45 127.9 67.0 201.1



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: 50.953 ug/l

RT: 3.16 min Scan# 177

Delta R.T. -0.00 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

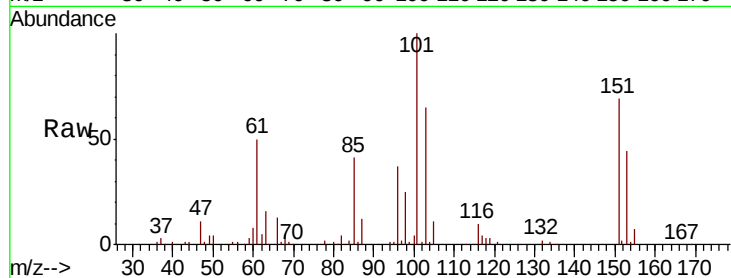
Tgt Ion:101 Resp: 469037

Ion Ratio Lower Upper

101 100

85 40.8 32.5 48.7

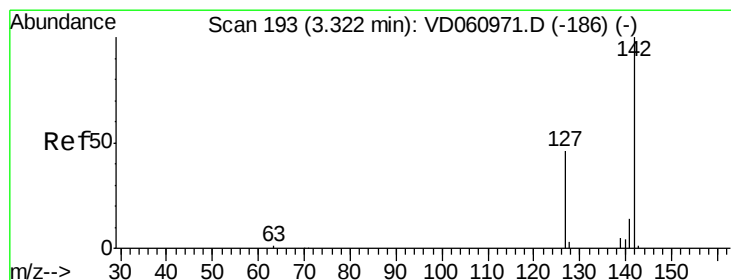
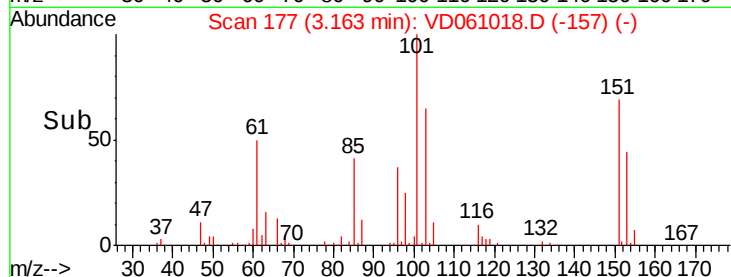
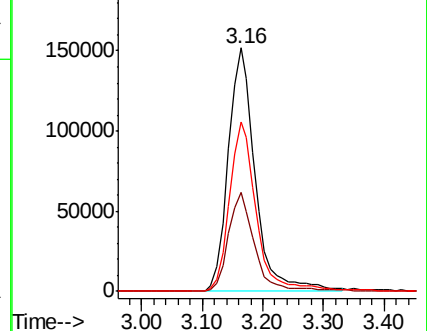
151 69.4 53.3 79.9



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: 48.741 ug/l

RT: 3.32 min Scan# 193

Delta R.T. -0.00 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

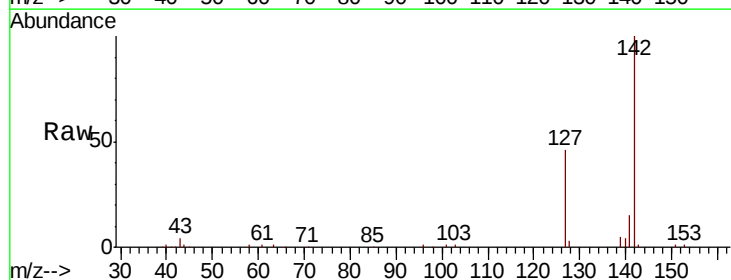
Tgt Ion:142 Resp: 616894

Ion Ratio Lower Upper

142 100

127 46.2 36.8 55.2

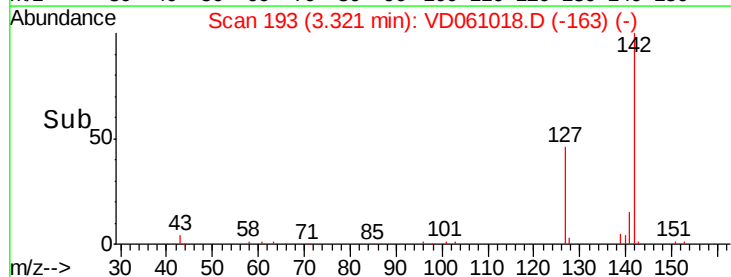
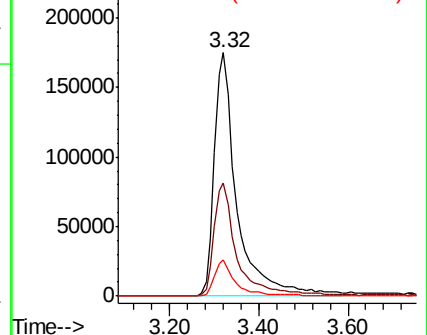
141 14.7 11.2 16.8

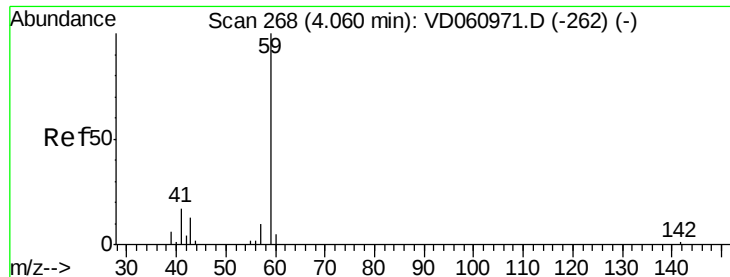


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

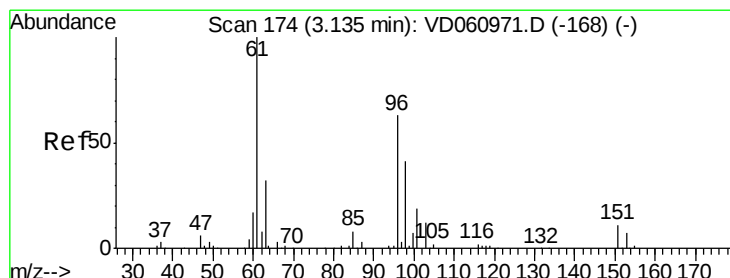
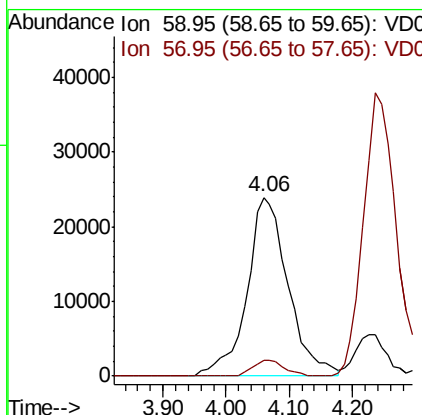
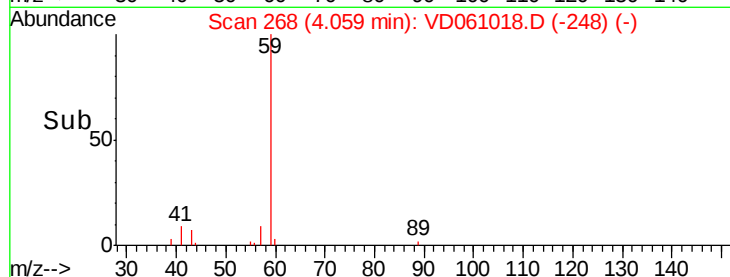
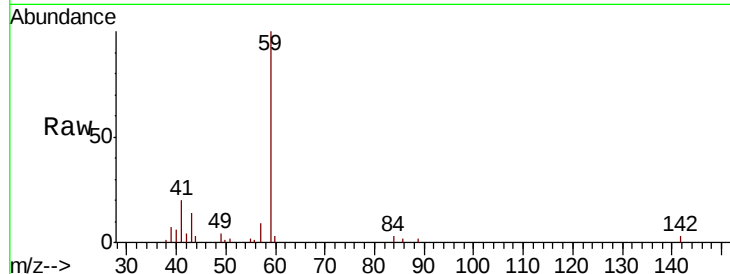




#11
Tert butyl alcohol
Concen: 272.499 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.00 min
Lab File: VD061018.D
Acq: 12 Mar 2019 11:25

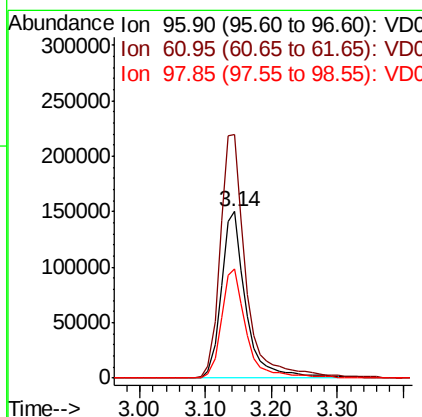
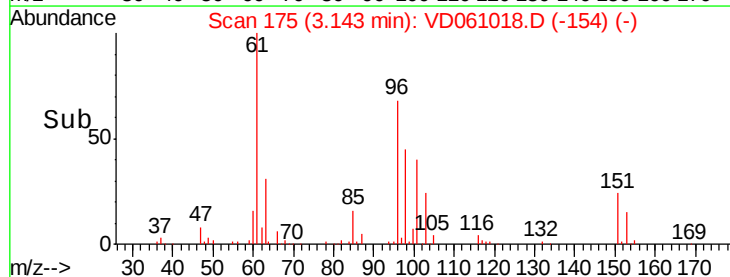
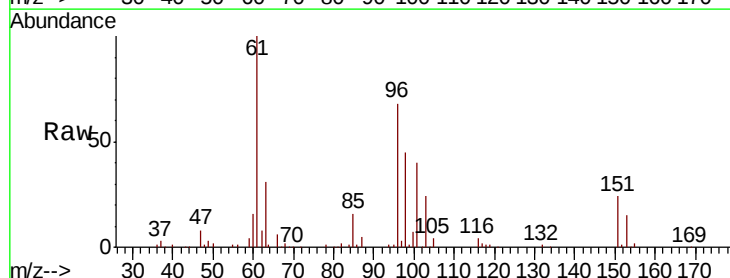
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

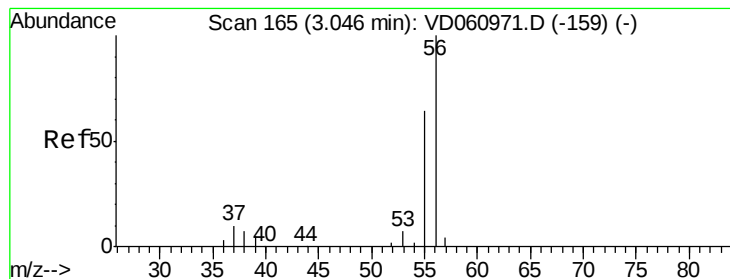
Tgt Ion: 59 Resp: 108545
Ion Ratio Lower Upper
59 100
57 9.1 7.1 10.7



#12
1,1-Dichloroethene
Concen: 51.651 ug/l
RT: 3.14 min Scan# 175
Delta R.T. 0.01 min
Lab File: VD061018.D
Acq: 12 Mar 2019 11:25

Tgt Ion: 96 Resp: 389734
Ion Ratio Lower Upper
96 100
61 146.5 127.1 190.7
98 65.3 51.5 77.3





#13

Acrolein

Concen: 262.431 ug/l

RT: 3.04 min Scan# 165

Delta R.T. -0.00 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

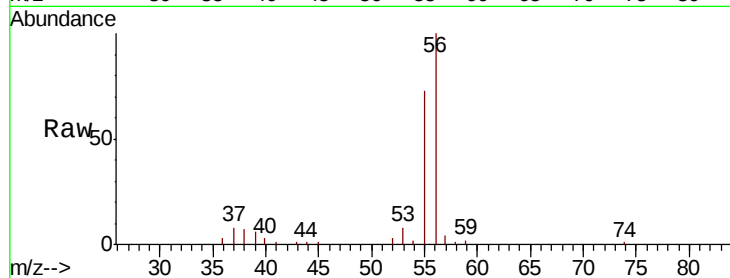
VSTDCCC050

Tgt Ion: 56 Resp: 151252

Ion Ratio Lower Upper

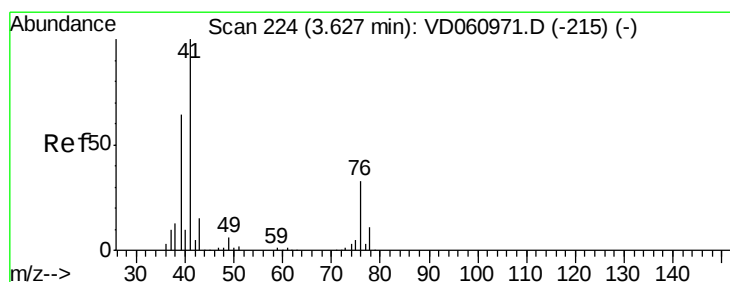
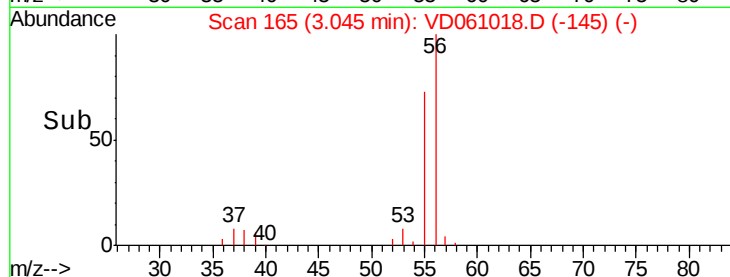
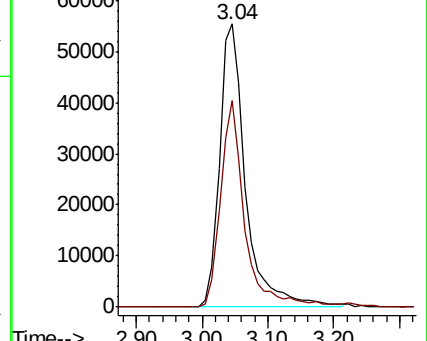
56 100

55 72.9 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 48.018 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

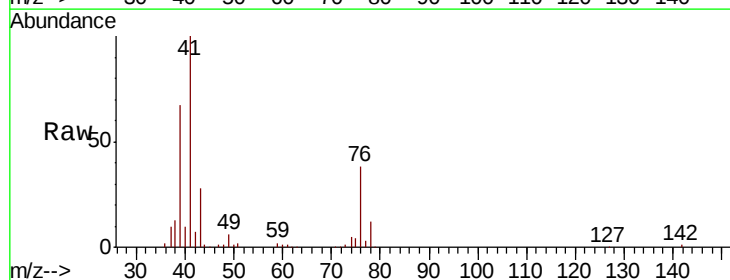
Tgt Ion: 41 Resp: 579709

Ion Ratio Lower Upper

41 100

39 66.7 51.1 76.7

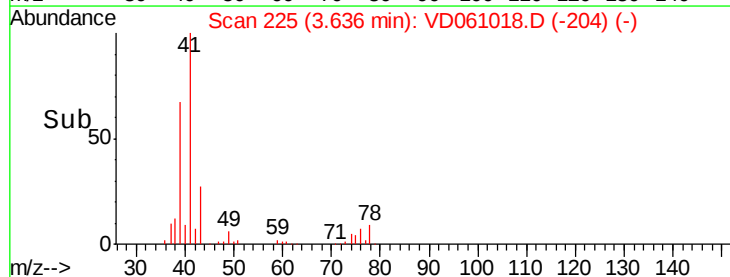
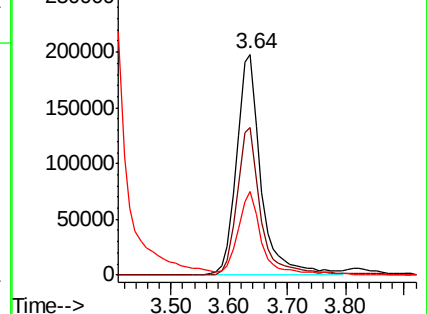
76 37.9 29.1 43.7

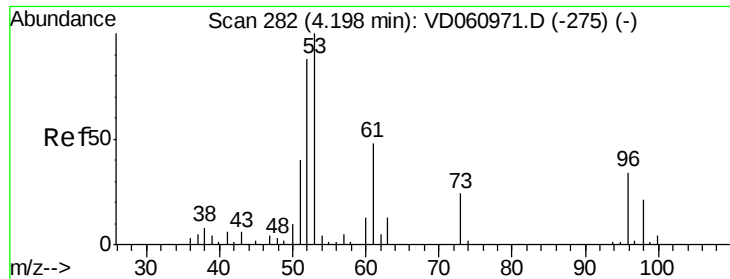


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

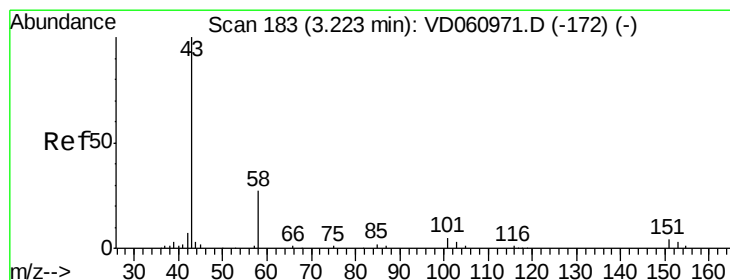
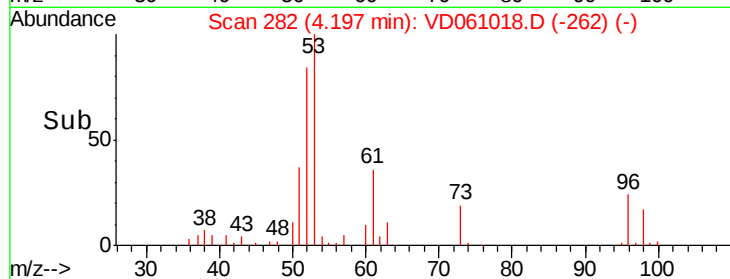
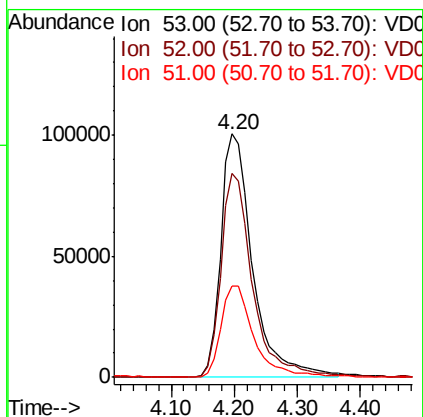
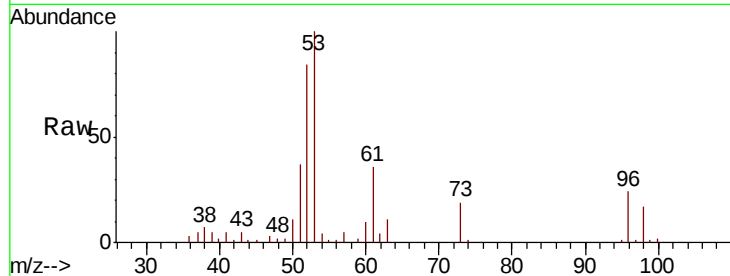




#15
 Acrylonitrile
 Concen: 250.533 ug/l
 RT: 4.20 min Scan# 282
 Delta R.T. -0.00 min
 Lab File: VD061018.D
 Acq: 12 Mar 2019 11:25

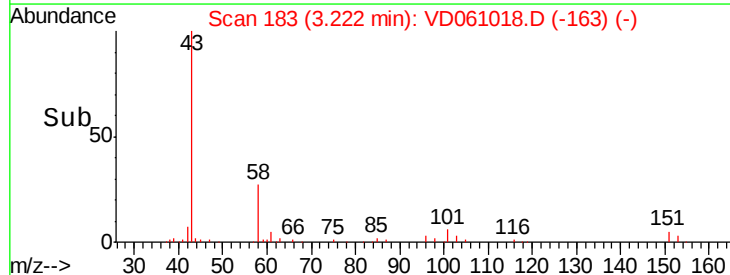
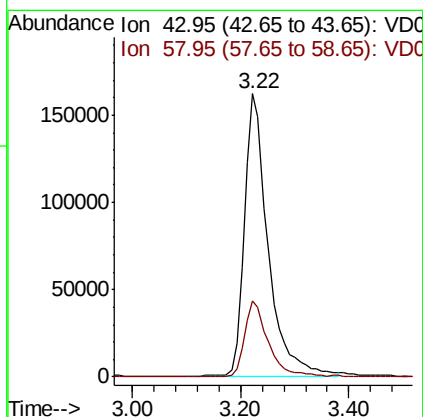
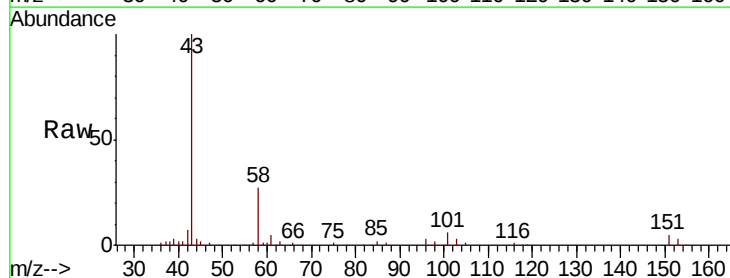
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

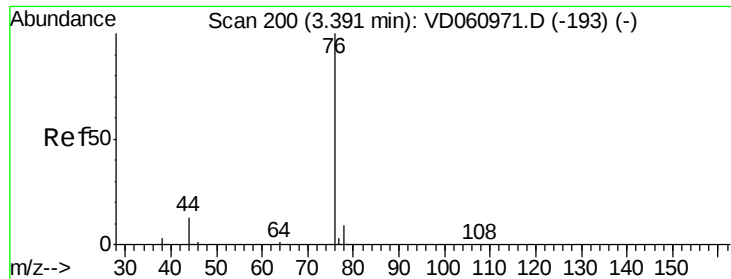
Tgt Ion: 53 Resp: 352708
 Ion Ratio Lower Upper
 53 100
 52 84.0 70.2 105.4
 51 37.4 31.7 47.5



#16
 Acetone
 Concen: 277.207 ug/l
 RT: 3.22 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VD061018.D
 Acq: 12 Mar 2019 11:25

Tgt Ion: 43 Resp: 495990
 Ion Ratio Lower Upper
 43 100
 58 26.9 21.6 32.4

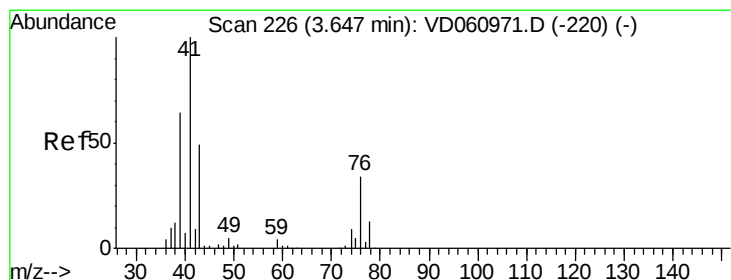
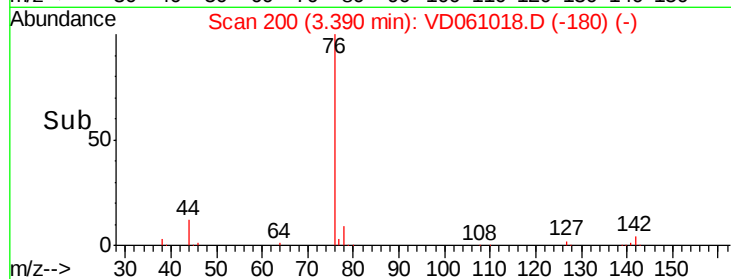
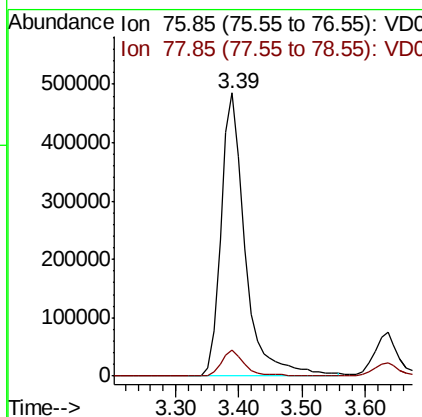
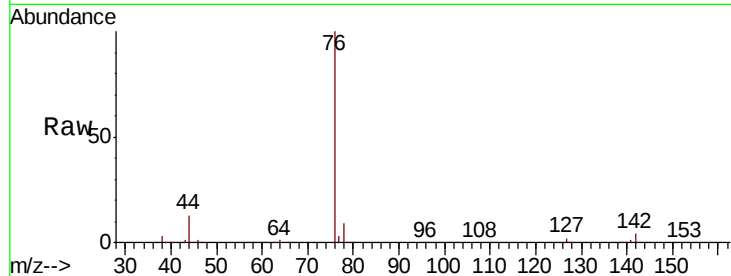




#17
Carbon Disulfide
Concen: 50.818 ug/l
RT: 3.39 min Scan# 200
Delta R.T. -0.00 min
Lab File: VD061018.D
Acq: 12 Mar 2019 11:25

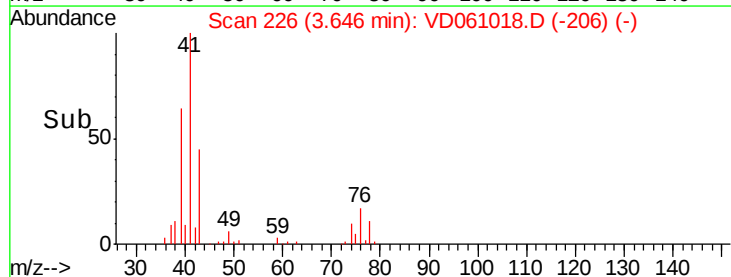
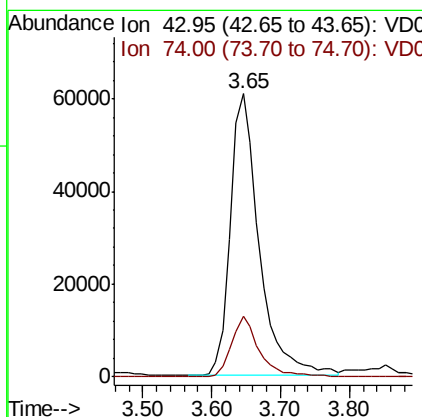
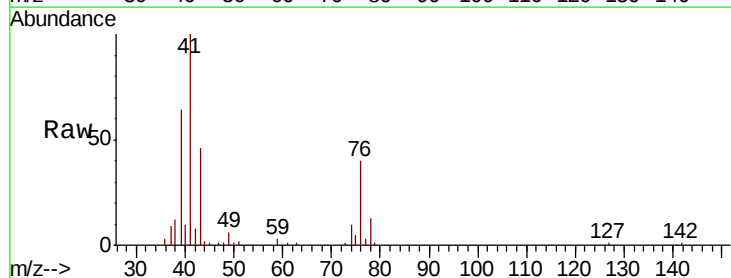
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

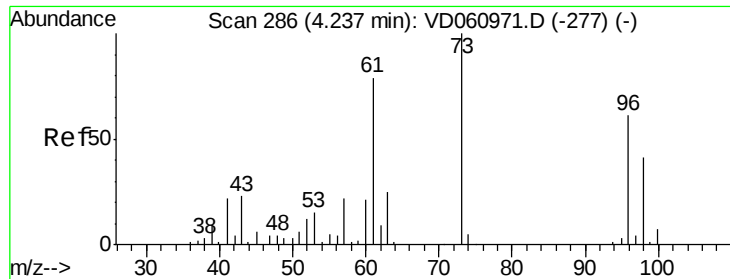
Tgt Ion: 76 Resp: 1293485
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2



#18
Methyl Acetate
Concen: 49.897 ug/l
RT: 3.65 min Scan# 226
Delta R.T. -0.00 min
Lab File: VD061018.D
Acq: 12 Mar 2019 11:25

Tgt Ion: 43 Resp: 175697
Ion Ratio Lower Upper
43 100
74 21.6 14.6 21.8

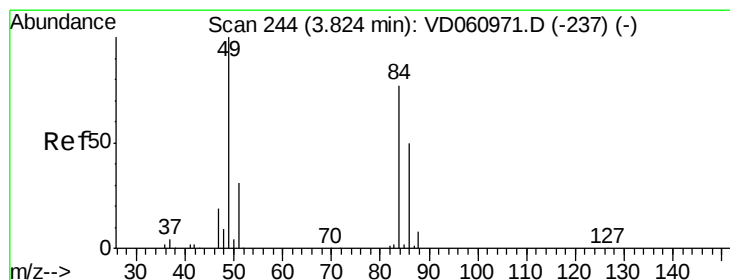
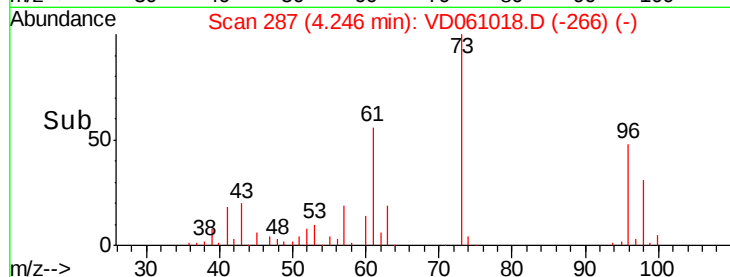
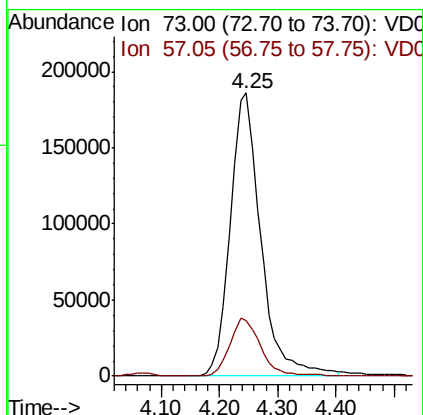
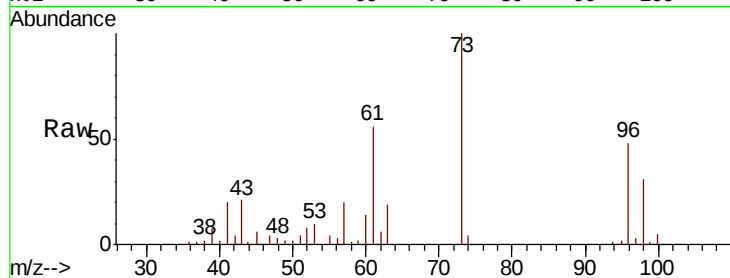




#19
Methyl tert-butyl Ether
Concen: 51.369 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD061018.D
Acq: 12 Mar 2019 11:25

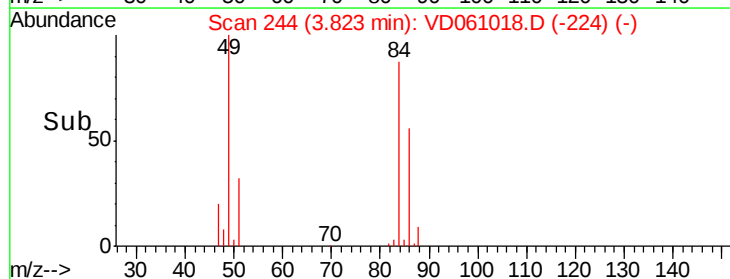
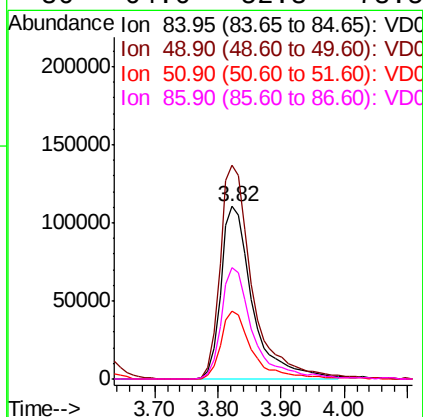
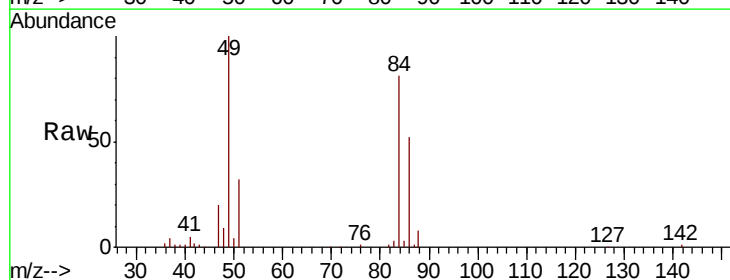
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

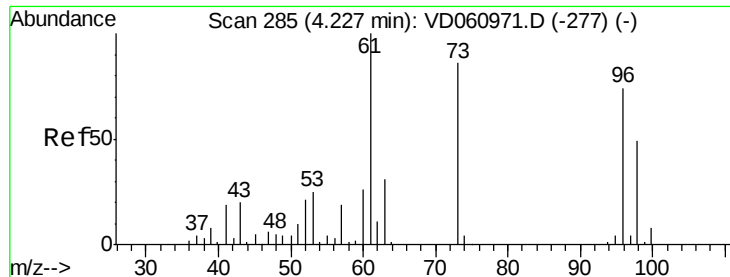
Tgt Ion: 73 Resp: 679280
Ion Ratio Lower Upper
73 100
57 19.5 17.7 26.5



#20
Methylene Chloride
Concen: 47.048 ug/l
RT: 3.82 min Scan# 244
Delta R.T. -0.00 min
Lab File: VD061018.D
Acq: 12 Mar 2019 11:25

Tgt Ion: 84 Resp: 386073
Ion Ratio Lower Upper
84 100
49 123.7 104.2 156.2
51 39.6 32.3 48.5
86 64.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 49.843 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.00 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

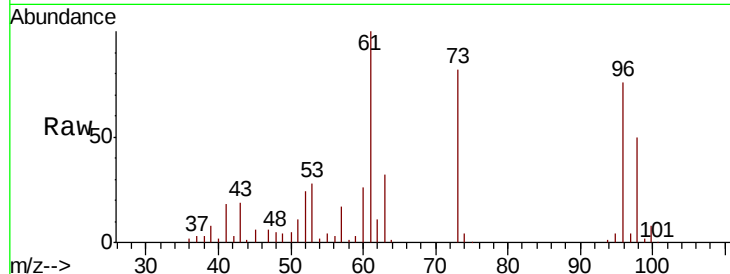
Tgt Ion: 96 Resp: 407066

Ion Ratio Lower Upper

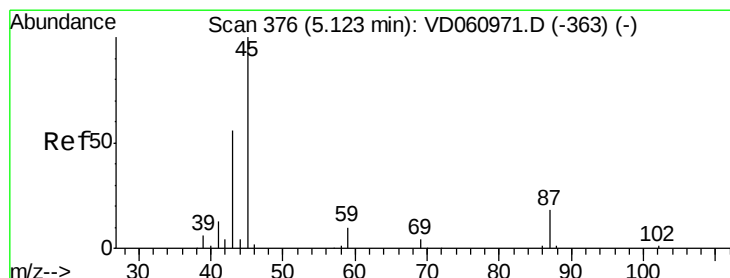
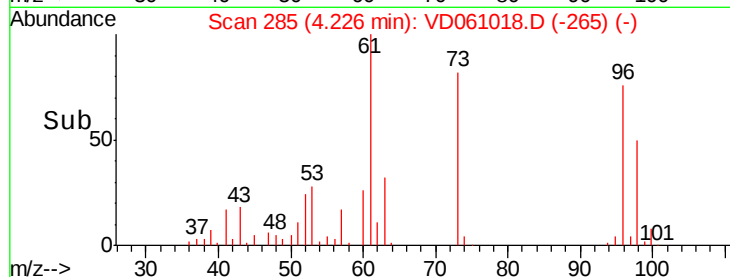
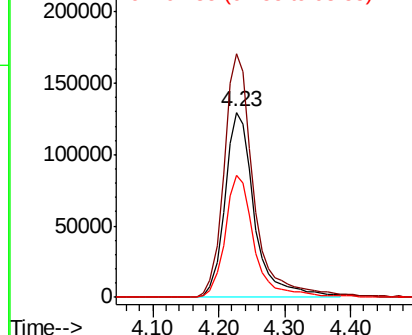
96 100

61 131.4 108.4 162.6

98 65.8 53.0 79.4



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: 48.253 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

Tgt Ion: 45 Resp: 1209296

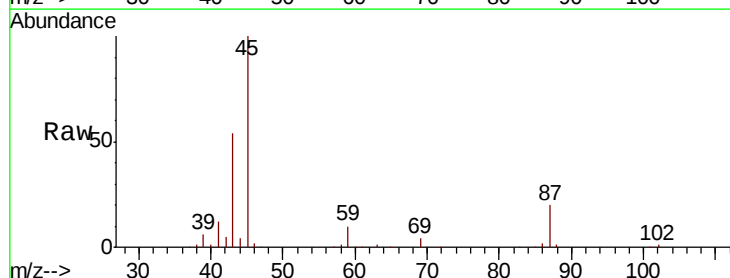
Ion Ratio Lower Upper

45 100

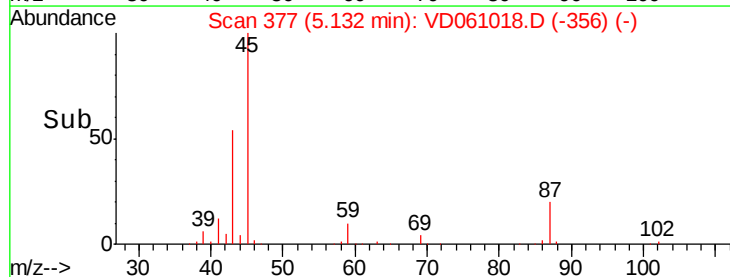
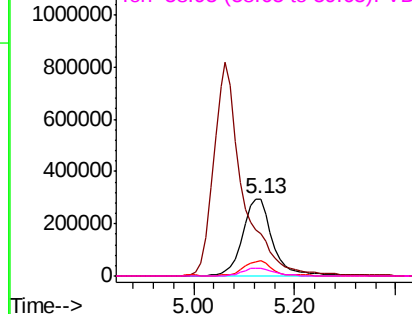
43 54.3 45.8 68.8

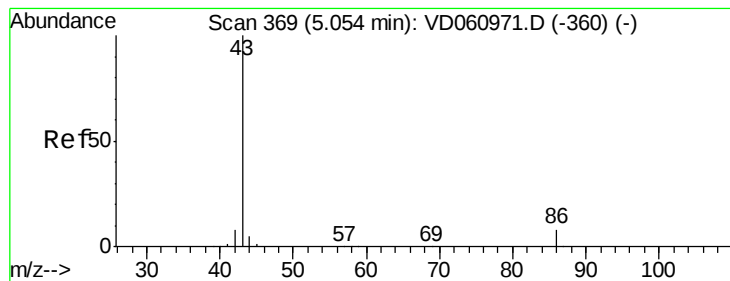
87 19.8 14.9 22.3

59 10.1 8.0 12.0



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: 252.860 ug/l

RT: 5.06 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

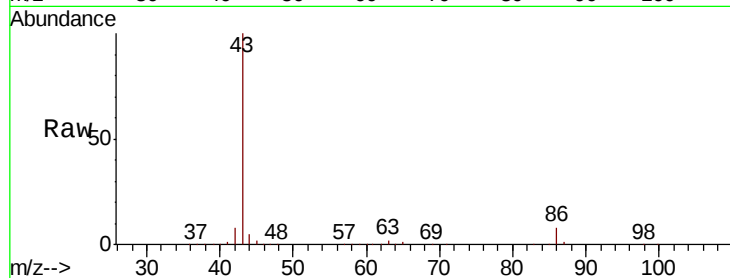
VSTDCCC050

Tgt Ion: 43 Resp: 3253129

Ion Ratio Lower Upper

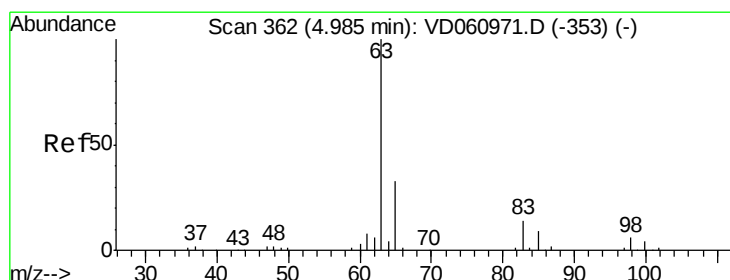
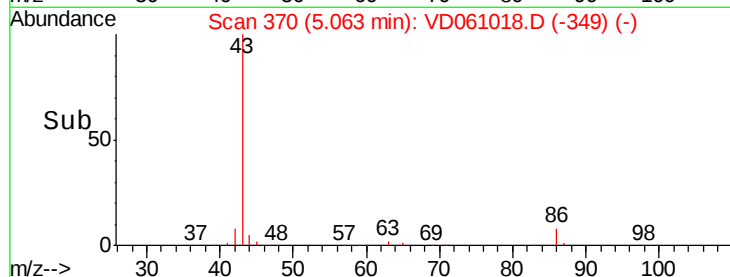
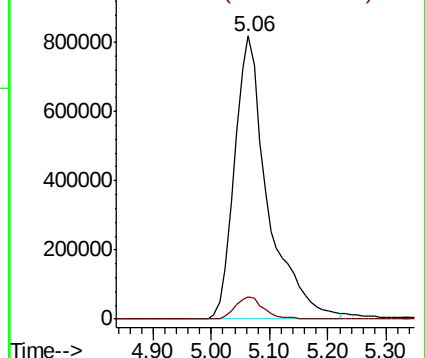
43 100

86 8.0 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.389 ug/l

RT: 4.99 min Scan# 363

Delta R.T. 0.01 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

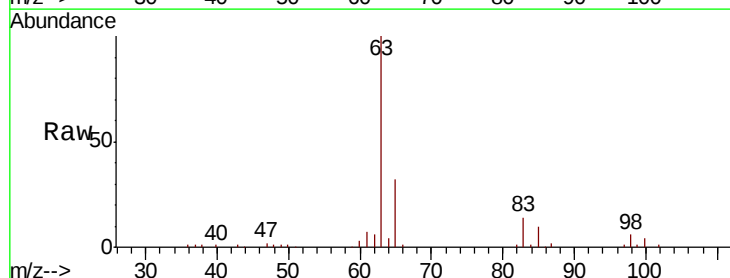
Tgt Ion: 63 Resp: 691904

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

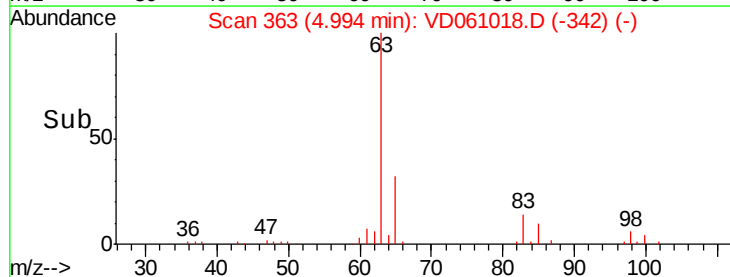
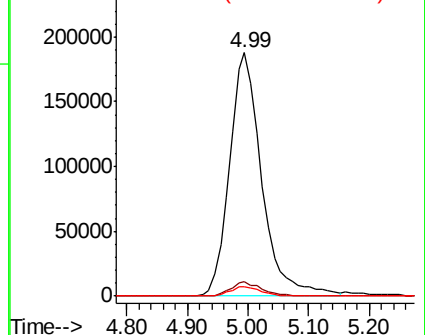
100 3.7 2.0 5.8



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: 272.108 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

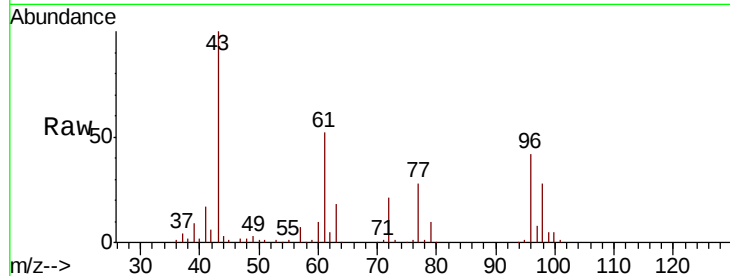
VSTDCCC050

Tgt Ion: 43 Resp: 552458

Ion Ratio Lower Upper

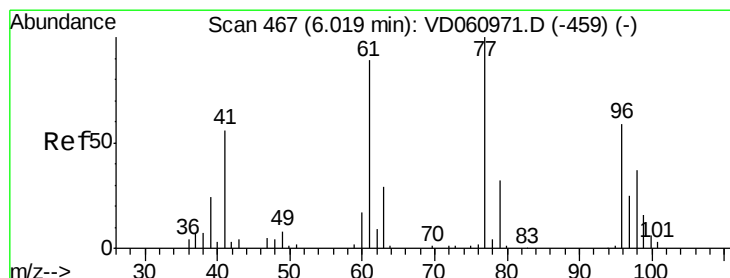
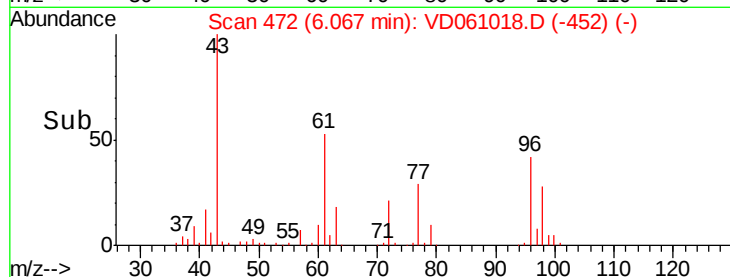
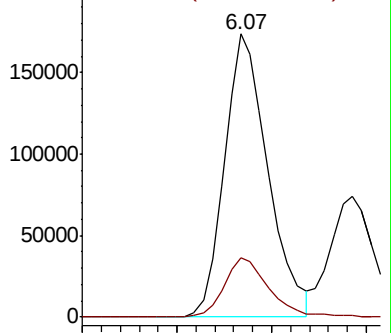
43 100

72 21.1 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.928 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD061018.D

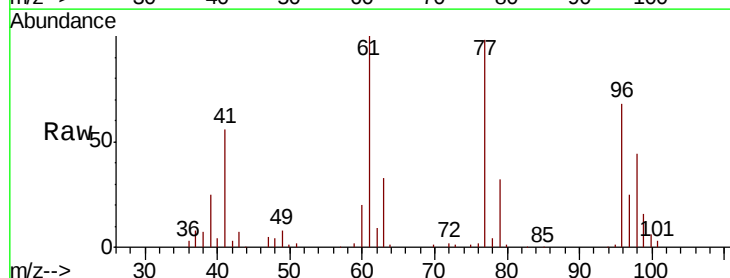
Acq: 12 Mar 2019 11:25

Tgt Ion: 77 Resp: 567359

Ion Ratio Lower Upper

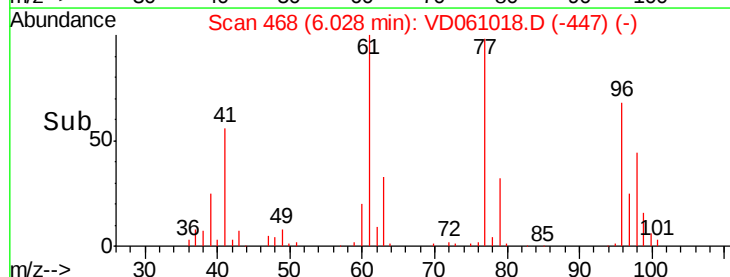
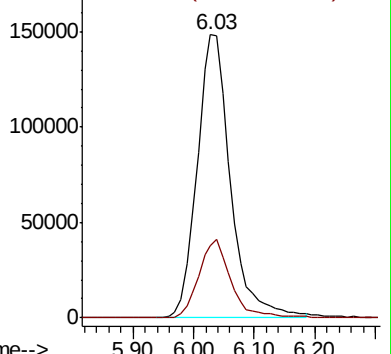
77 100

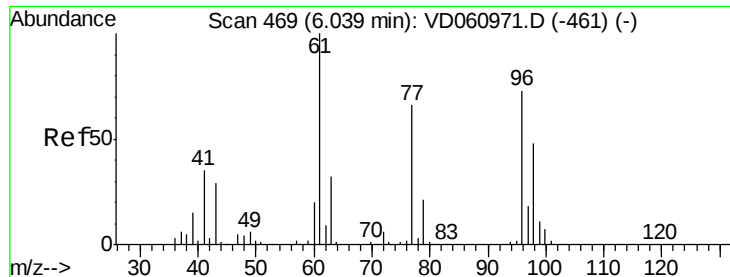
97 25.4 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



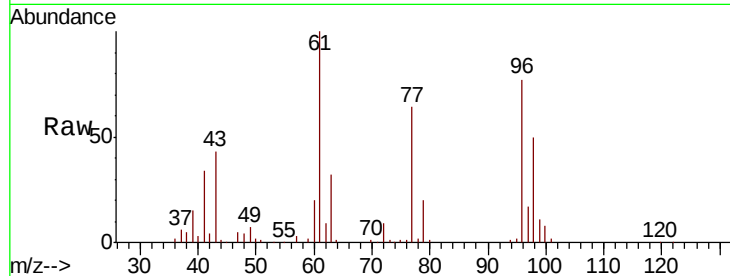


#27

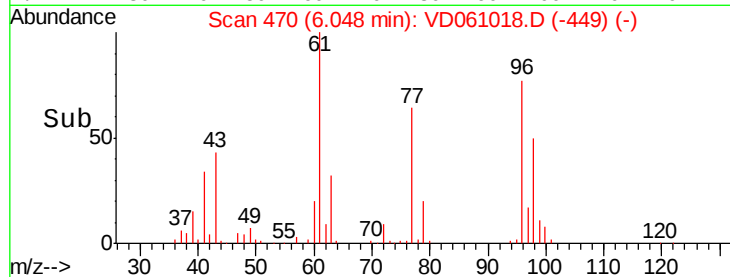
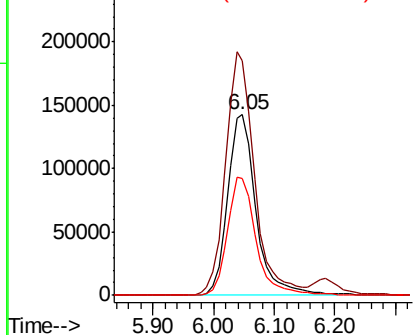
cis-1,2-Dichloroethene
 Concen: 53.493 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.01 min
 Lab File: VD061018.D
 Acq: 12 Mar 2019 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 96 Resp: 463517
 Ion Ratio Lower Upper
 96 100
 61 130.3 0.0 273.6
 98 64.9 0.0 132.6



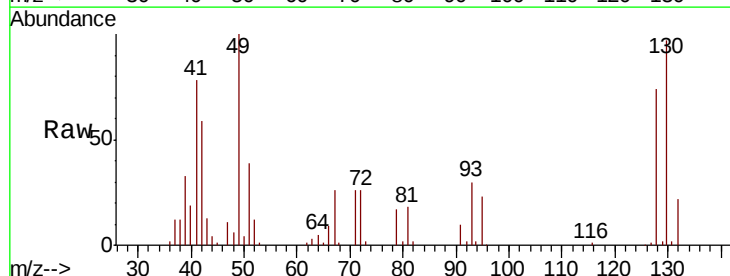
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



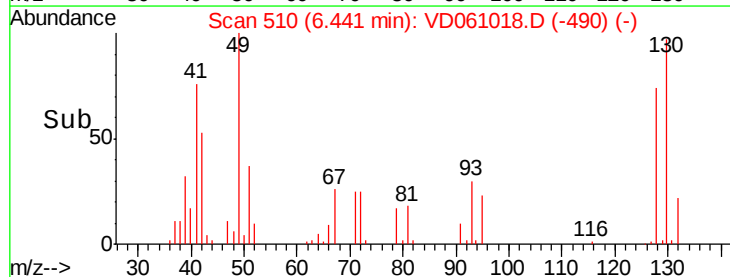
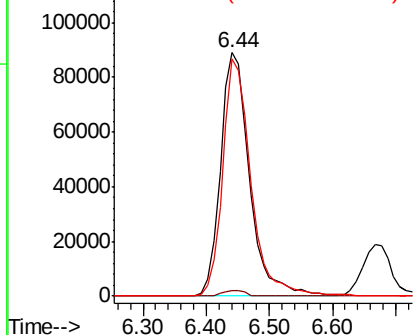
#28

Bromochloromethane
 Concen: 49.194 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD061018.D
 Acq: 12 Mar 2019 11:25

Tgt Ion: 49 Resp: 285972
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 4.0
 130 97.2 73.8 110.8



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

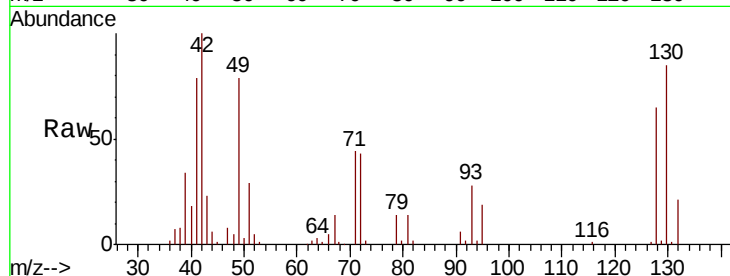




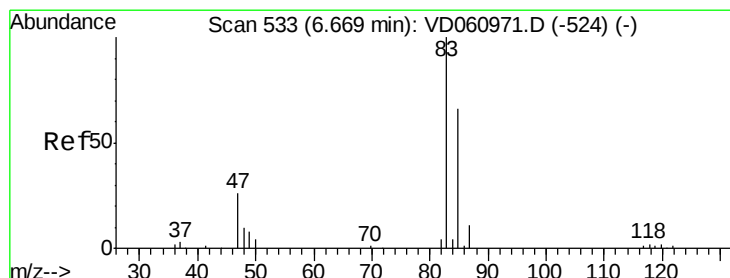
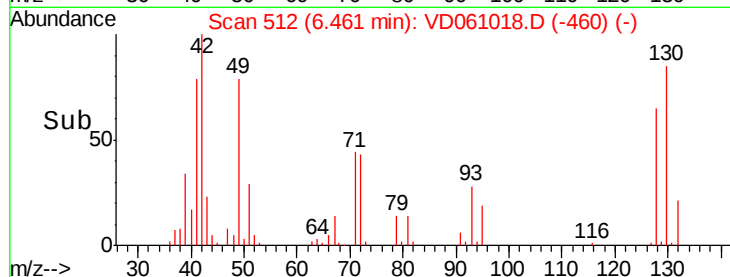
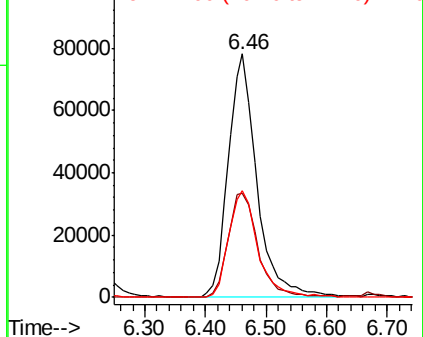
#29
Tetrahydrofuran
Concen: 232.073 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.01 min
Lab File: VD061018.D
Acq: 12 Mar 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 255848
Ion Ratio Lower Upper
42 100
72 45.0 34.5 51.7
71 44.7 33.8 50.6

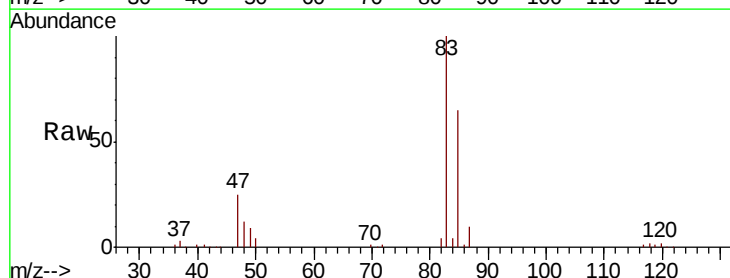


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

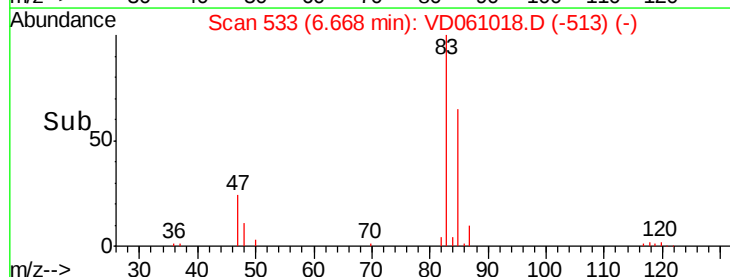
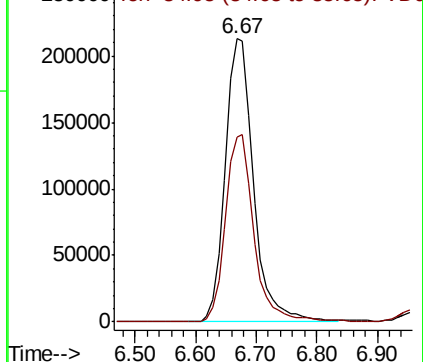


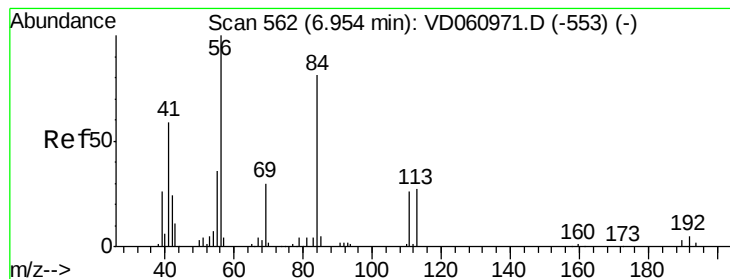
#30
Chloroform
Concen: 48.672 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD061018.D
Acq: 12 Mar 2019 11:25

Tgt Ion: 83 Resp: 692678
Ion Ratio Lower Upper
83 100
85 65.1 53.0 79.4



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





#31

Cyclohexane

Concen: 51.420 ug/l

RT: 6.96 min Scan# 563

Delta R.T. 0.01 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

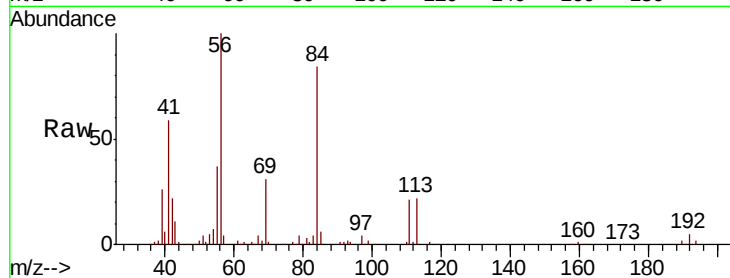
Tgt Ion: 56 Resp: 569316

Ion Ratio Lower Upper

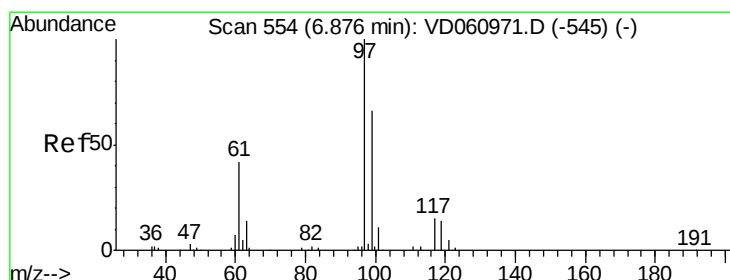
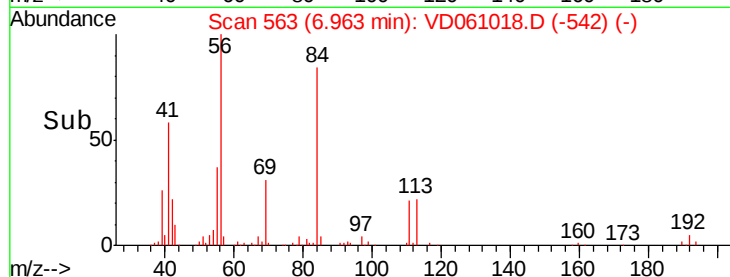
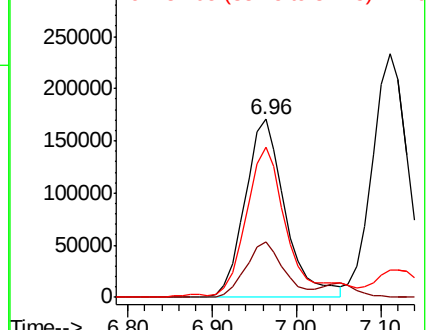
56 100

69 30.9 24.0 36.0

84 84.1 65.8 98.6



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



#32

1,1,1-Trichloroethane

Concen: 49.378 ug/l

RT: 6.87 min Scan# 554

Delta R.T. -0.00 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

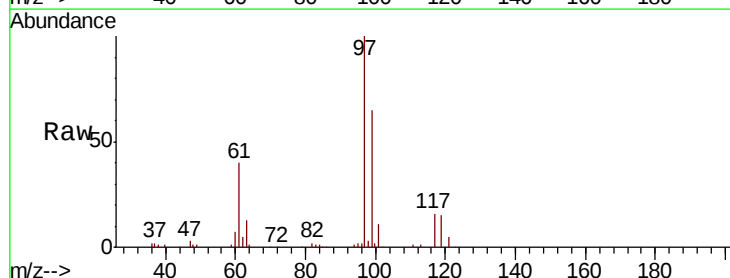
Tgt Ion: 97 Resp: 607529

Ion Ratio Lower Upper

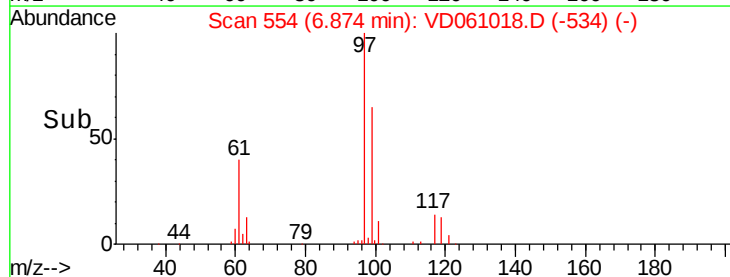
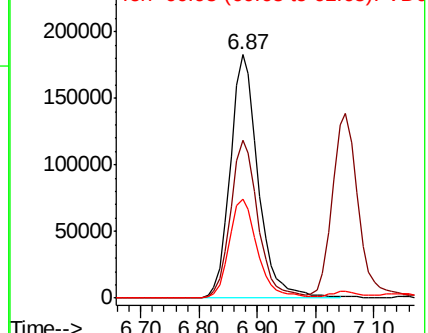
97 100

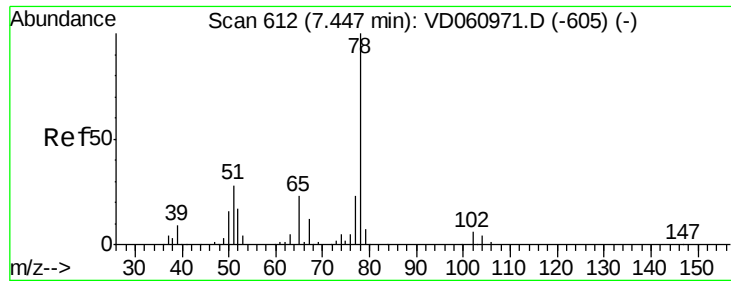
99 64.8 53.2 79.8

61 40.4 33.8 50.8



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

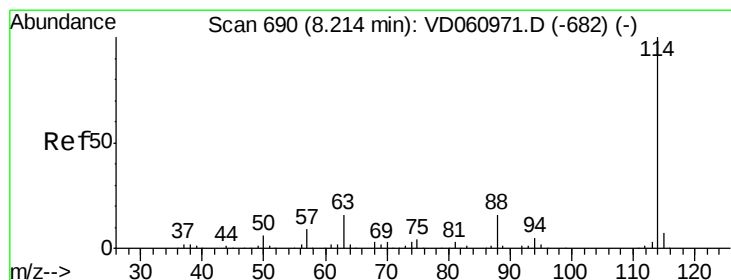
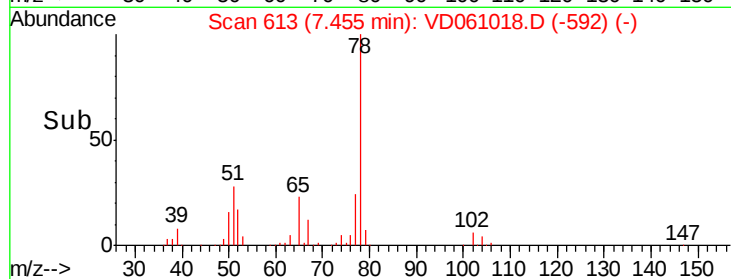
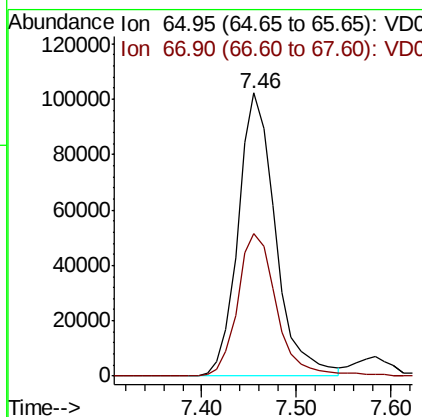
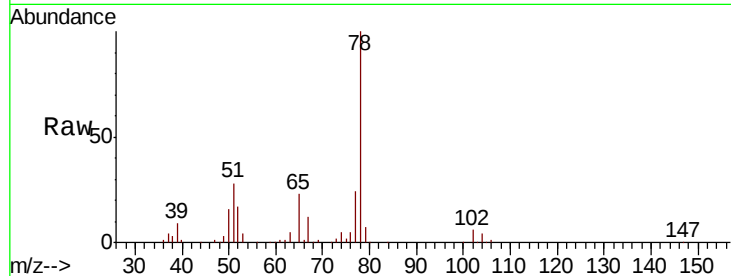




#33
 1,2-Dichloroethane-d4
 Concen: 49.378 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VD061018.D
 Acq: 12 Mar 2019 11:25

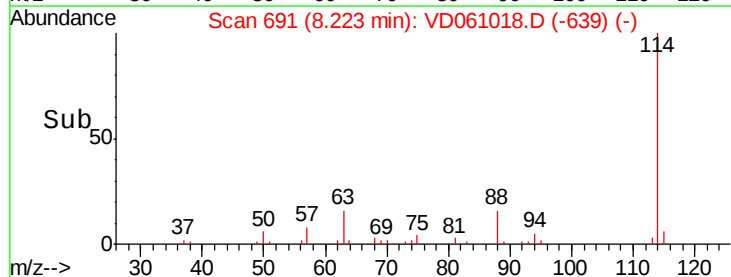
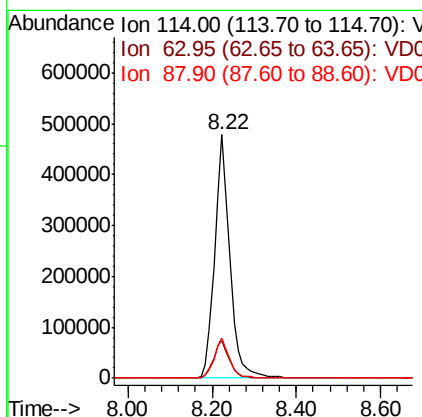
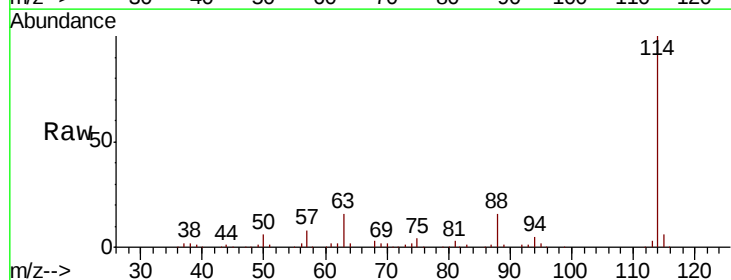
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

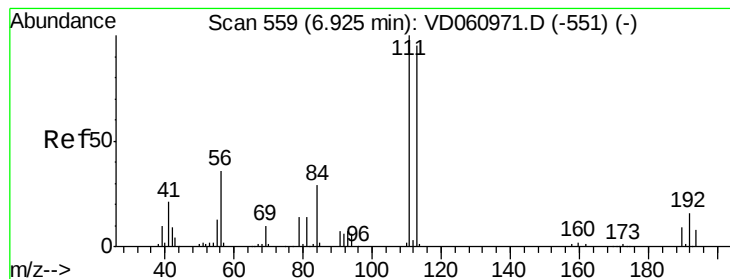
Tgt Ion: 65 Resp: 280173
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD061018.D
 Acq: 12 Mar 2019 11:25

Tgt Ion: 114 Resp: 1201734
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.4
 88 16.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

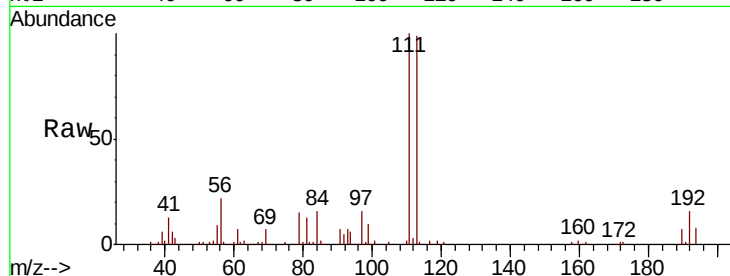
Tgt Ion: 113 Resp: 453014

Ion Ratio Lower Upper

113 100

111 101.0 84.2 126.4

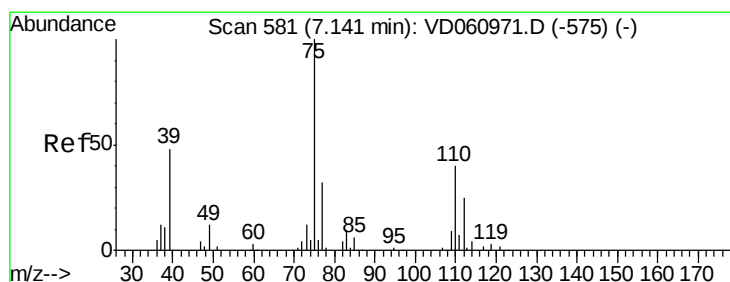
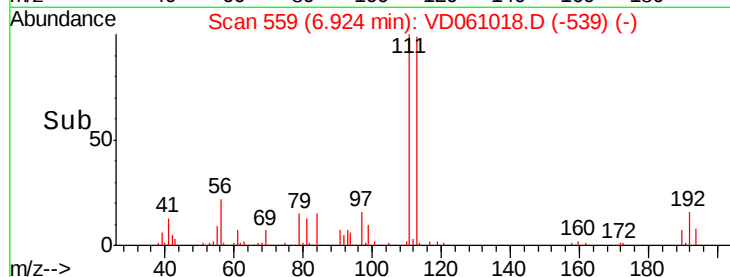
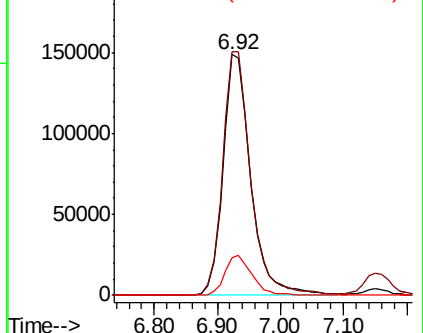
192 15.7 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 53.662 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.01 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

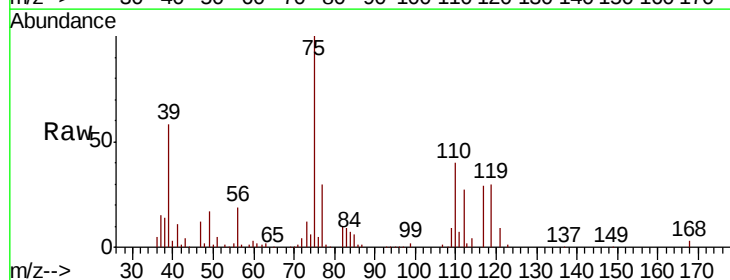
Tgt Ion: 75 Resp: 555871

Ion Ratio Lower Upper

75 100

110 40.3 19.7 59.1

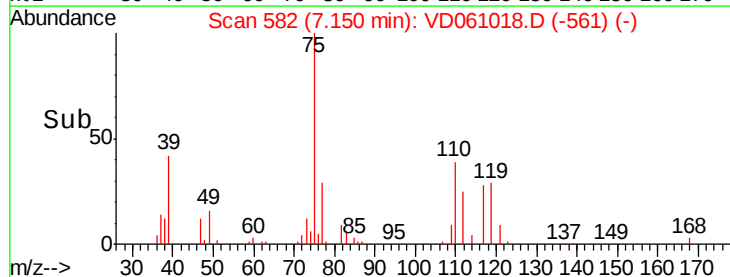
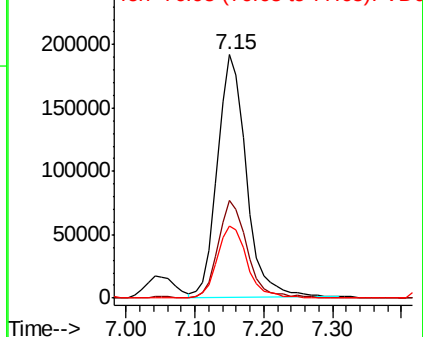
77 29.7 24.7 37.1

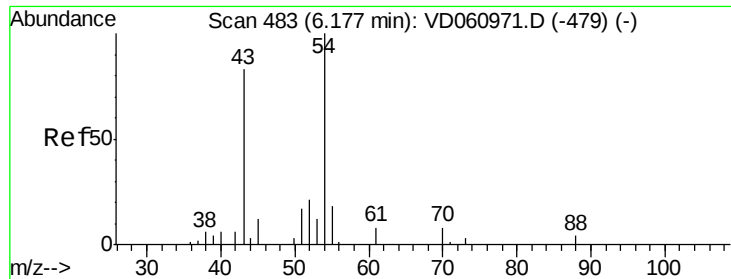


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

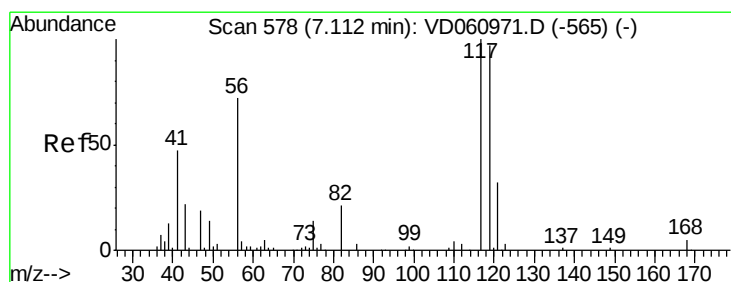
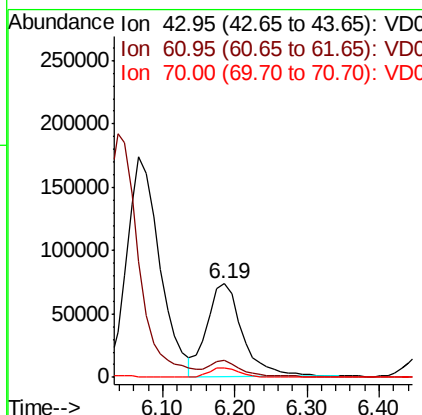
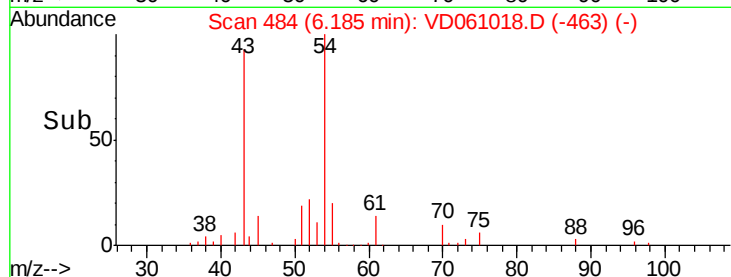
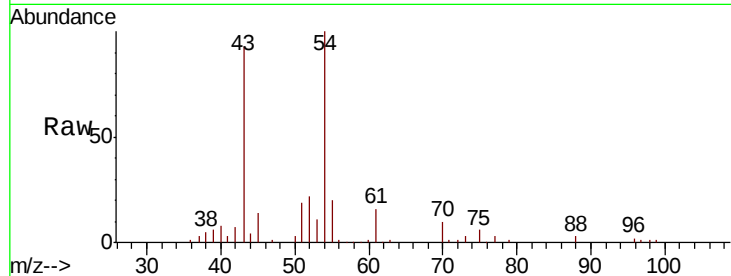




#37
Ethyl Acetate
Concen: 51.107 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.01 min
Lab File: VD061018.D
Acq: 12 Mar 2019 11:25

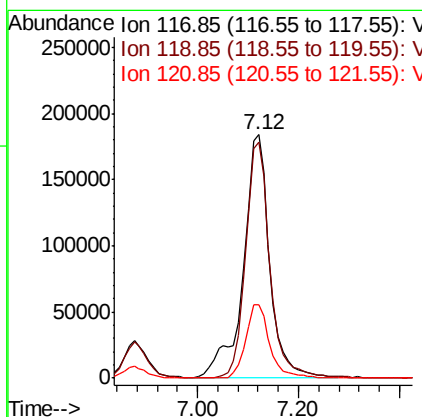
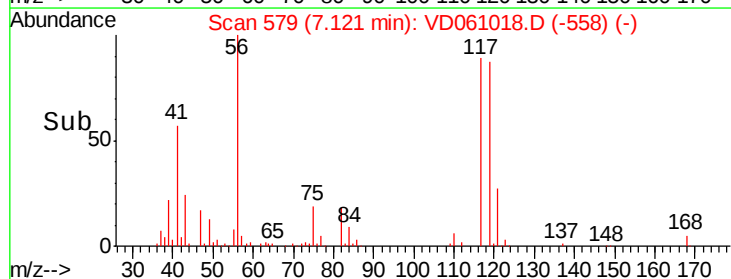
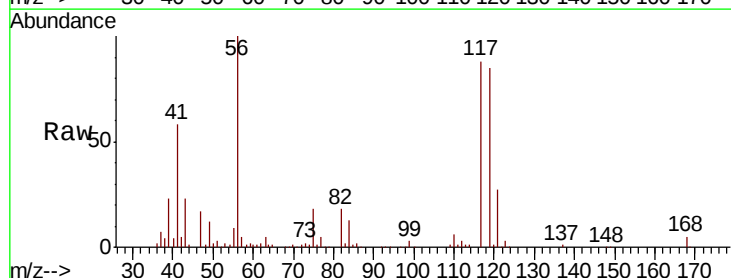
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 248431
Ion Ratio Lower Upper
43 100
61 17.5 13.7 20.5
70 10.2 7.1 10.7



#38
Carbon Tetrachloride
Concen: 58.861 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD061018.D
Acq: 12 Mar 2019 11:25

Tgt Ion: 117 Resp: 671631
Ion Ratio Lower Upper
117 100
119 97.1 77.8 116.8
121 30.3 25.3 37.9





#39

Methylcyclohexane

Concen: 53.918 ug/l

RT: 8.86 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

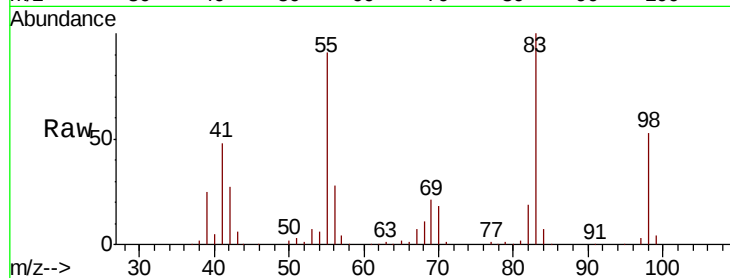
Tgt Ion: 83 Resp: 579147

Ion Ratio Lower Upper

83 100

55 91.2 69.6 104.4

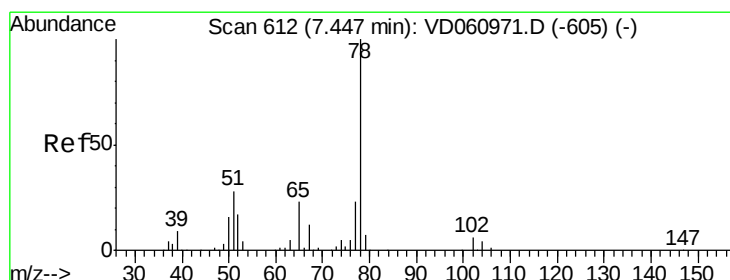
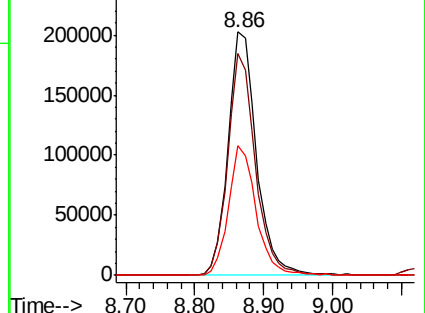
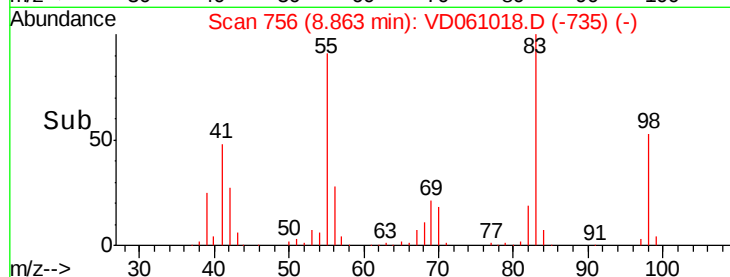
98 53.1 40.0 60.0



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 50.294 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061018.D

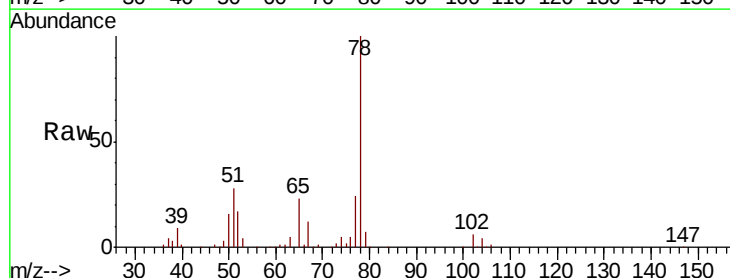
Acq: 12 Mar 2019 11:25

Tgt Ion: 78 Resp: 1301806

Ion Ratio Lower Upper

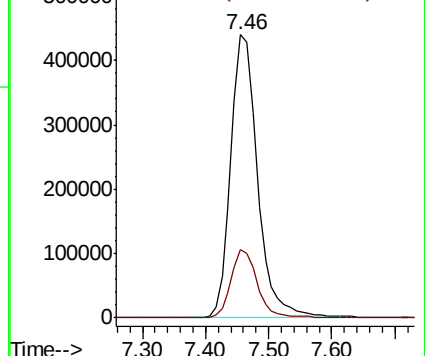
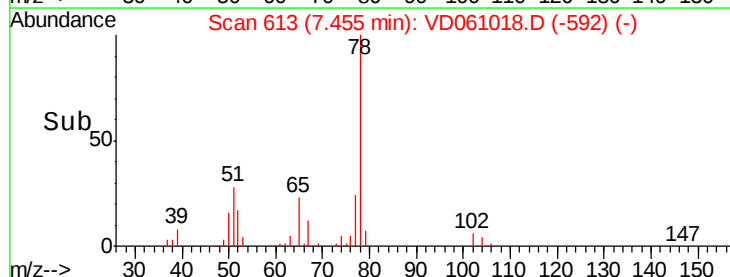
78 100

77 23.9 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 50.729 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 283638

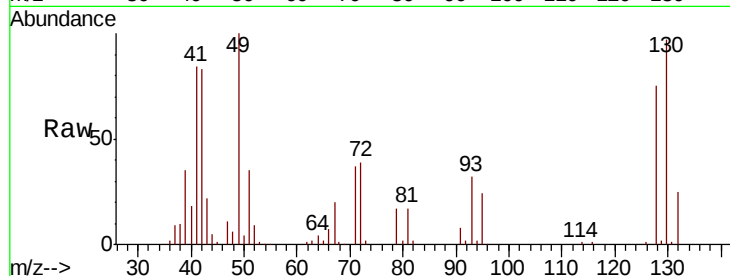
Ion Ratio Lower Upper

41 100

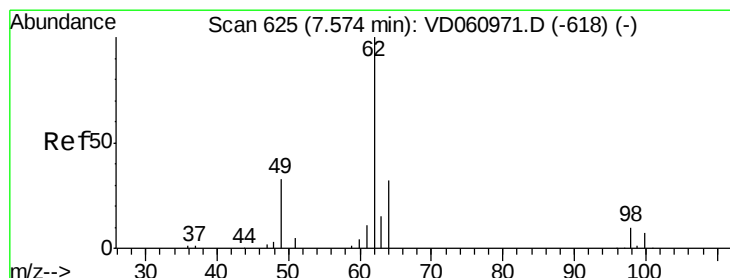
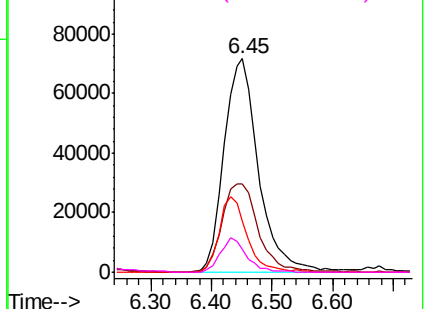
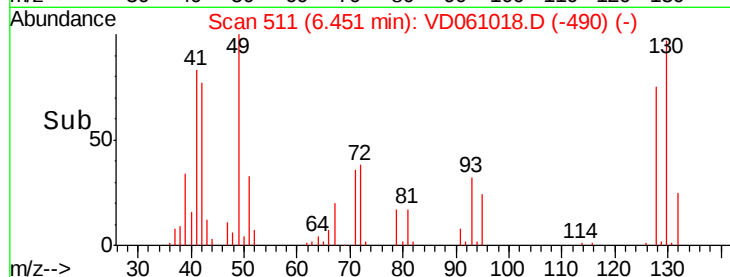
39 41.4 35.7 53.5

67 24.2 23.0 34.6

52 10.8 9.2 13.8



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



#42

1,2-Dichloroethane

Concen: 54.789 ug/l

RT: 7.58 min Scan# 626

Delta R.T. 0.01 min

Lab File: VD061018.D

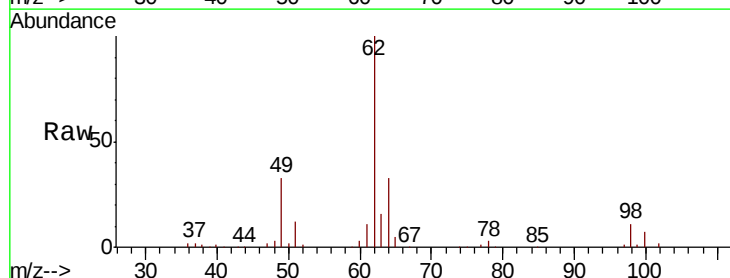
Acq: 12 Mar 2019 11:25

Tgt Ion: 62 Resp: 411546

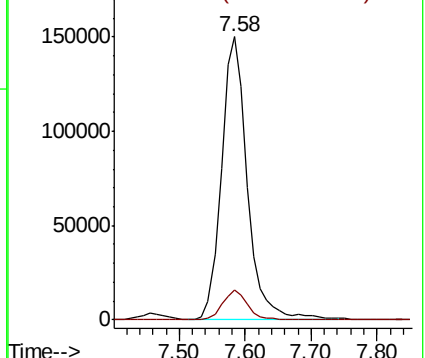
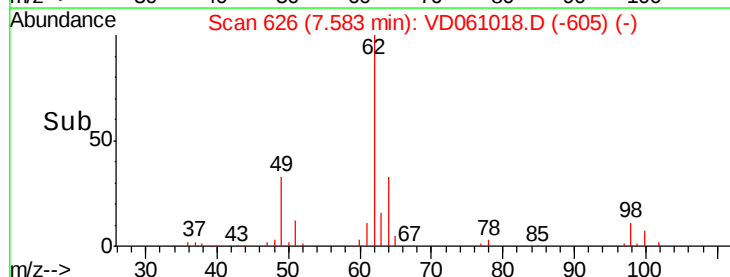
Ion Ratio Lower Upper

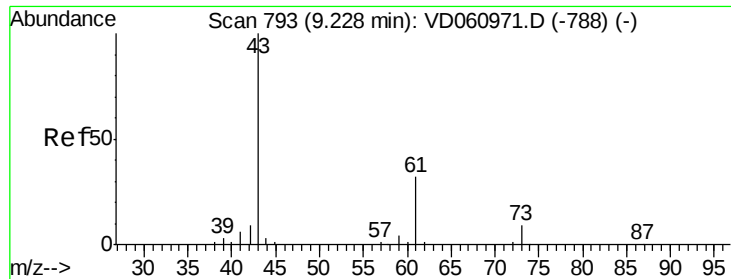
62 100

98 10.7 0.0 20.4



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





#43

Isopropyl Acetate

Concen: 53.189 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

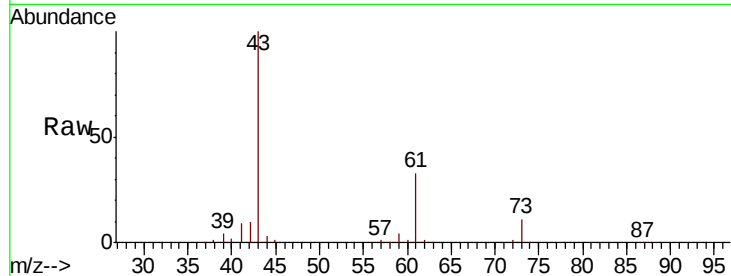
Tgt Ion: 43 Resp: 358102

Ion Ratio Lower Upper

43 100

61 33.2 25.6 38.4

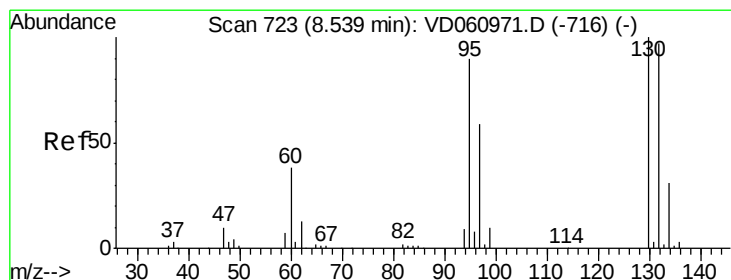
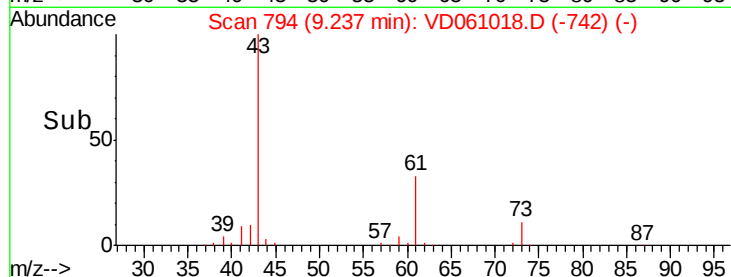
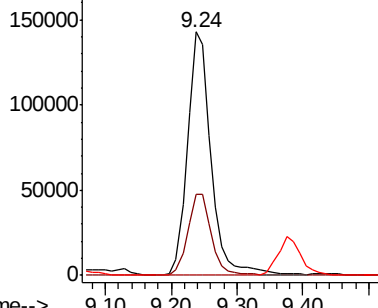
87 0.3 0.2 0.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 54.693 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD061018.D

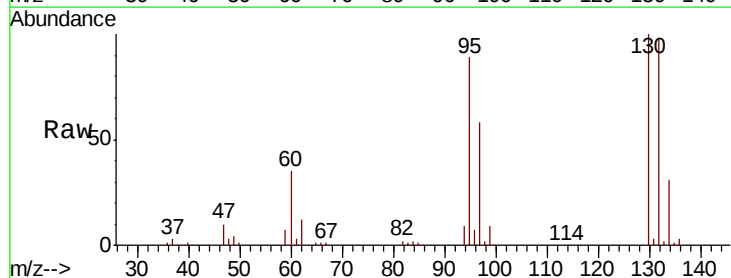
Acq: 12 Mar 2019 11:25

Tgt Ion: 130 Resp: 488395

Ion Ratio Lower Upper

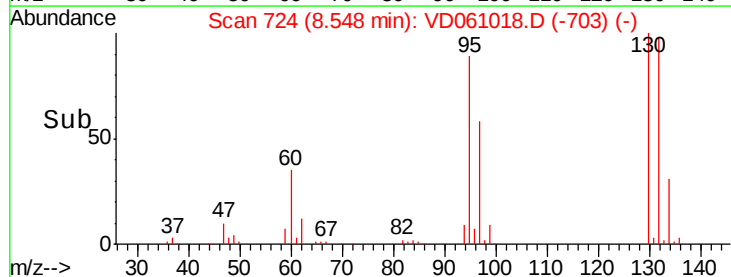
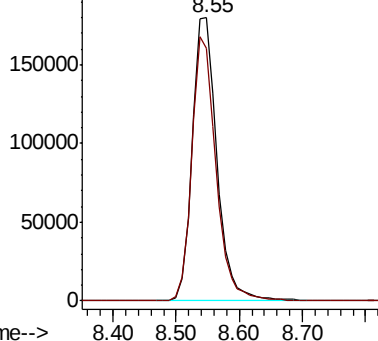
130 100

95 89.1 0.0 179.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.602 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

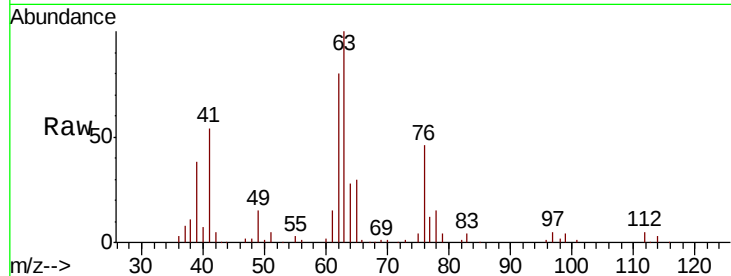
VSTDCCC050

Tgt Ion: 63 Resp: 344109

Ion Ratio Lower Upper

63 100

65 30.0 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

150000

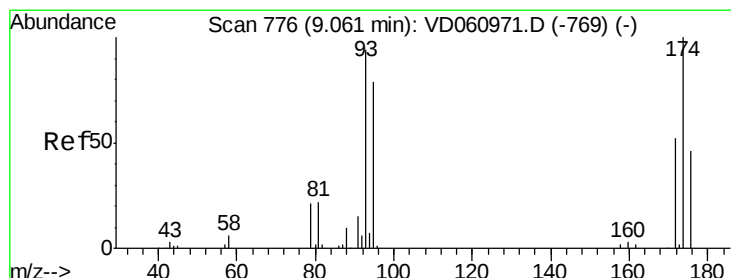
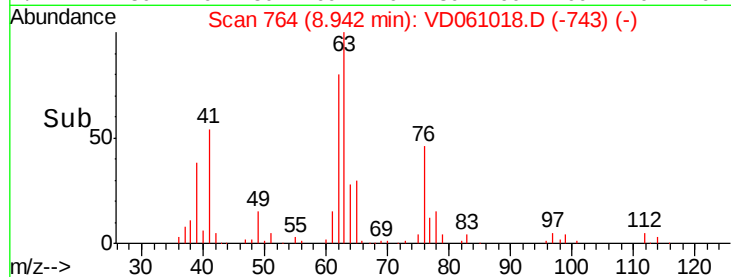
100000

50000

0

Time-->

8.80 8.90 9.00



#46

Dibromomethane

Concen: 53.775 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

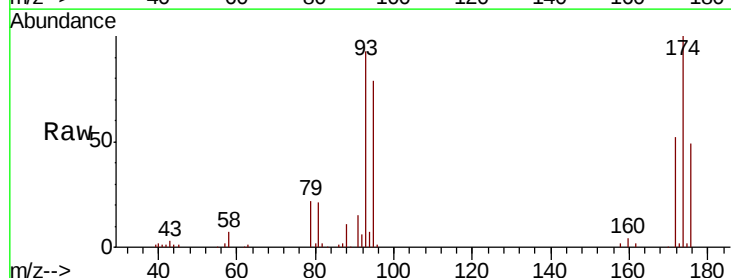
Tgt Ion: 93 Resp: 231964

Ion Ratio Lower Upper

93 100

95 85.7 67.4 101.0

174 108.0 85.4 128.0



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

9.07

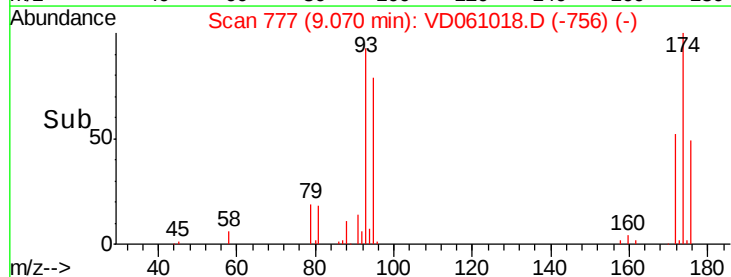
100000

50000

0

Time-->

8.90 9.00 9.10 9.20 9.30





#47

Bromodichloromethane

Concen: 54.078 ug/l

RT: 9.37 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

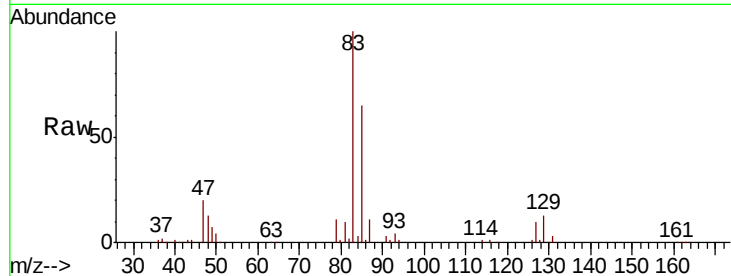
Tgt Ion: 83 Resp: 526393

Ion Ratio Lower Upper

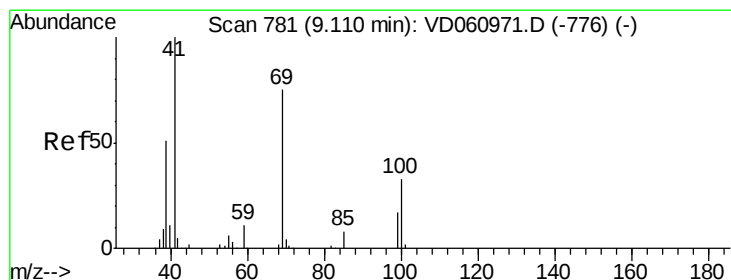
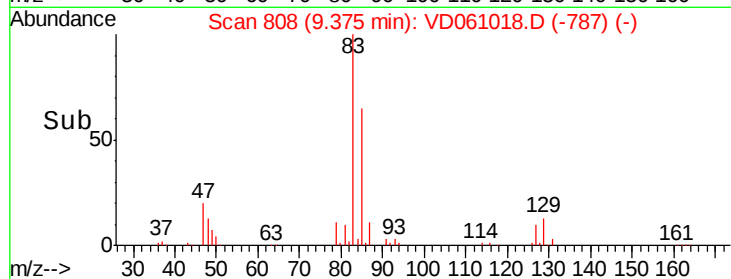
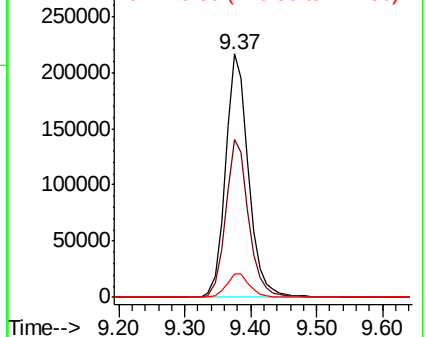
83 100

85 65.0 52.5 78.7

127 9.8 7.5 11.3



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



#48

Methyl methacrylate

Concen: 53.644 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

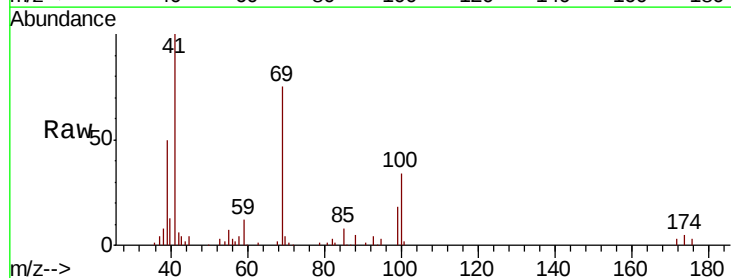
Tgt Ion: 41 Resp: 203350

Ion Ratio Lower Upper

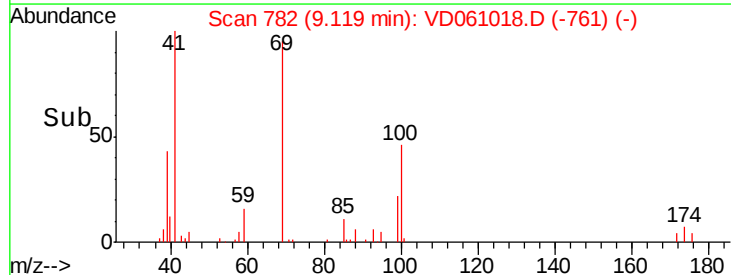
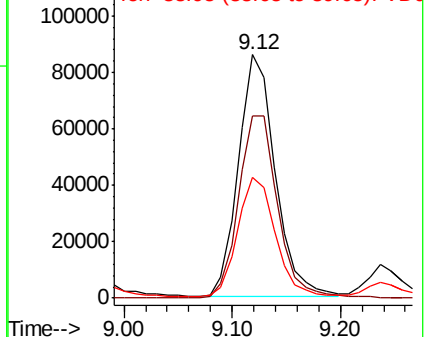
41 100

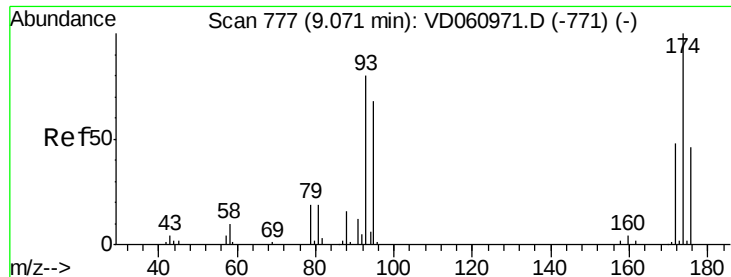
69 74.8 59.9 89.9

39 49.6 40.9 61.3



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

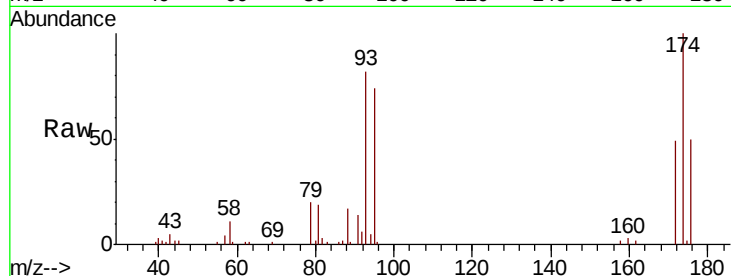




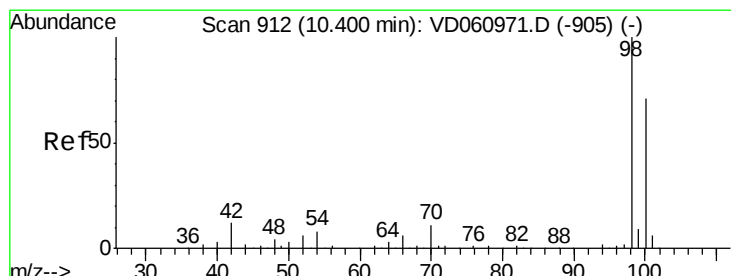
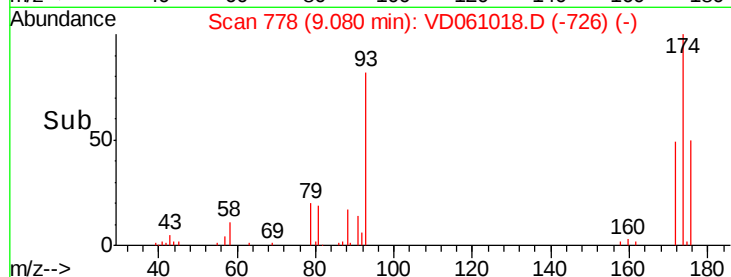
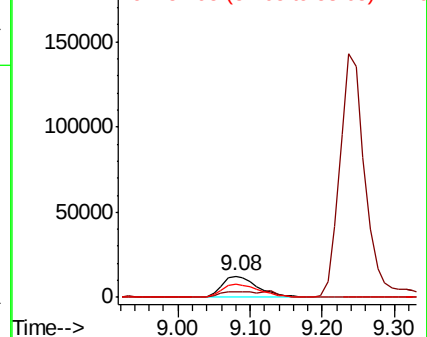
#49
 1,4-Dioxane
 Concen: 1121.515 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. 0.01 min
 Lab File: VD061018.D
 Acq: 12 Mar 2019 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	27.9	21.0	31.6
58	64.2	48.6	72.8

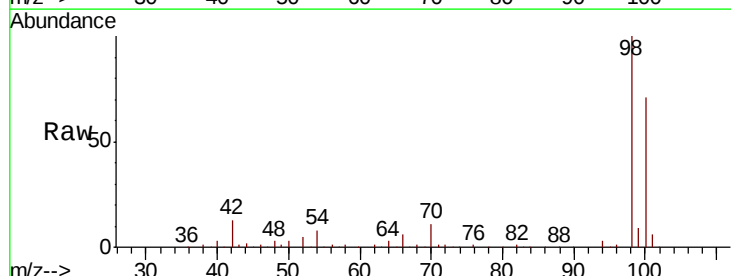


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

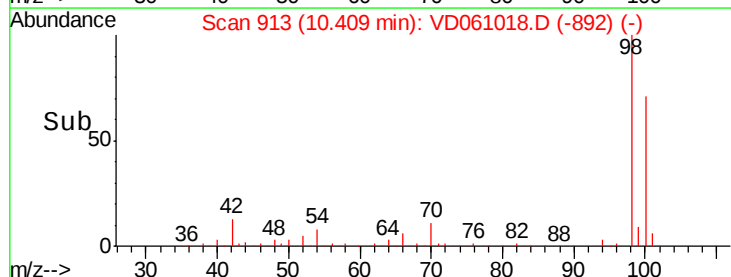
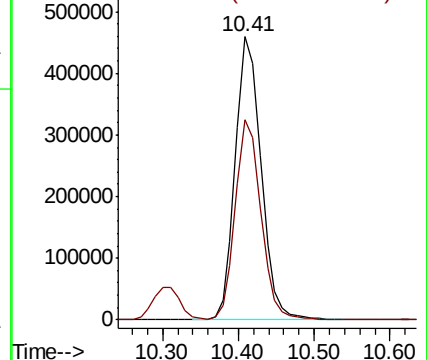


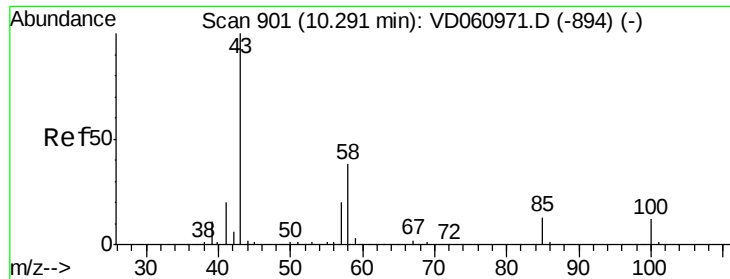
#50
 Toluene-d8
 Concen: 1121.515 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. 0.01 min
 Lab File: VD061018.D
 Acq: 12 Mar 2019 11:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.8	57.4	86.2



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

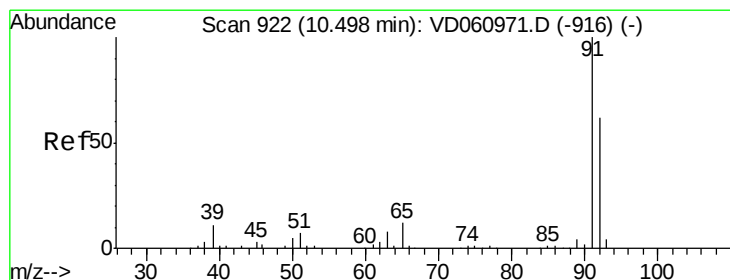
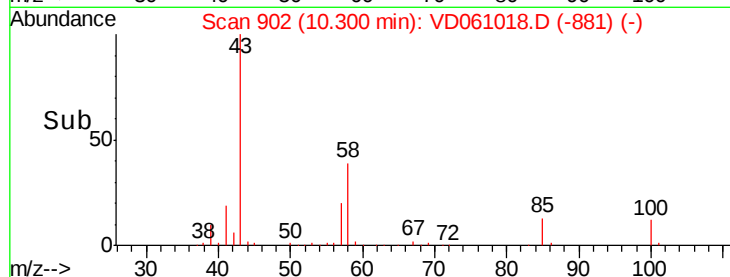
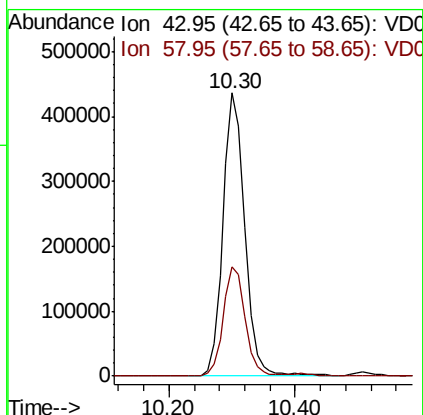
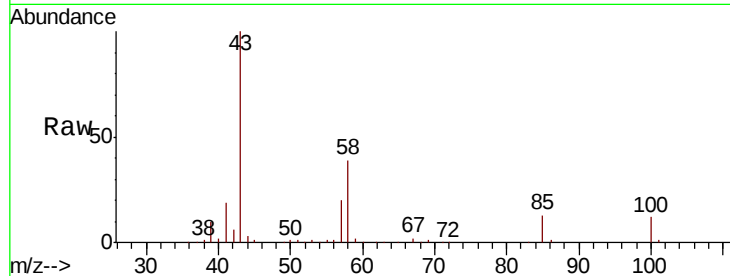




#51
4-Methyl-2-Pentanone
Concen: 254.895 ug/l
RT: 10.30 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD061018.D
Acq: 12 Mar 2019 11:25

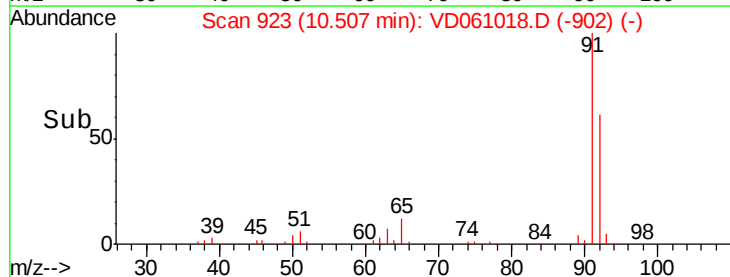
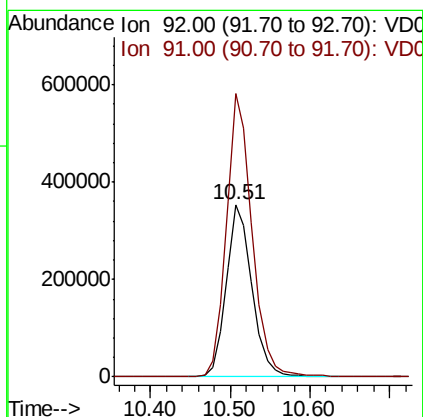
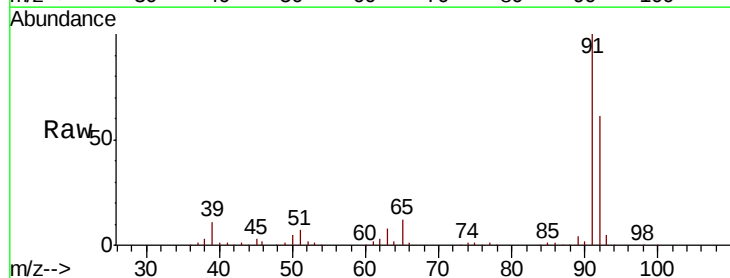
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

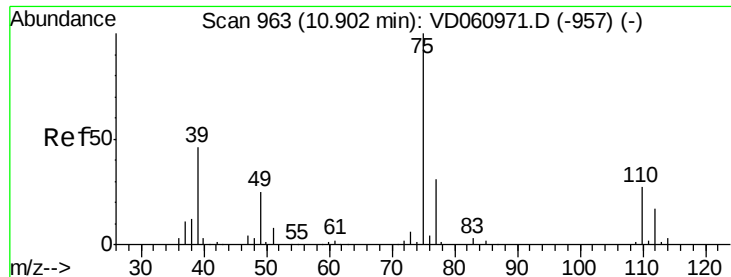
Tgt Ion: 43 Resp: 1051342
Ion Ratio Lower Upper
43 100
58 38.7 30.2 45.2



#52
Toluene
Concen: 49.769 ug/l
RT: 10.51 min Scan# 923
Delta R.T. 0.01 min
Lab File: VD061018.D
Acq: 12 Mar 2019 11:25

Tgt Ion: 92 Resp: 801058
Ion Ratio Lower Upper
92 100
91 164.3 129.8 194.8

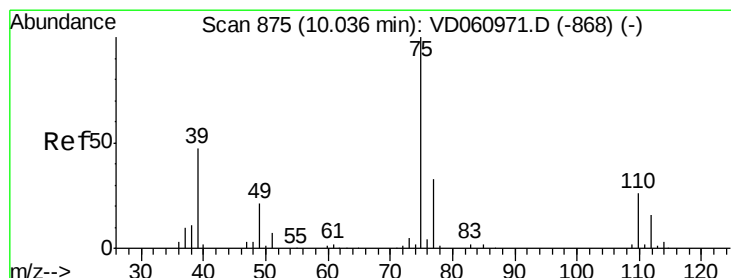
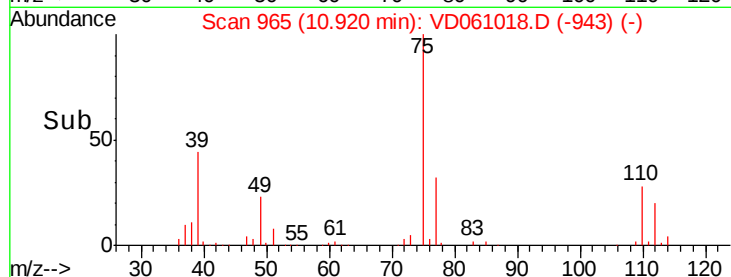
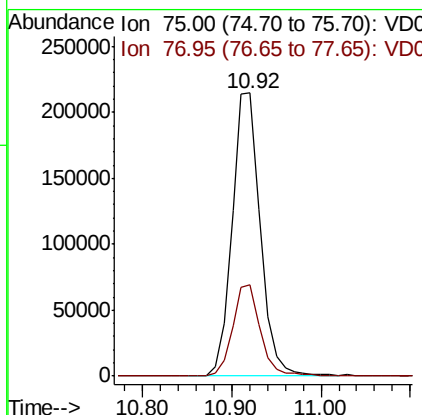
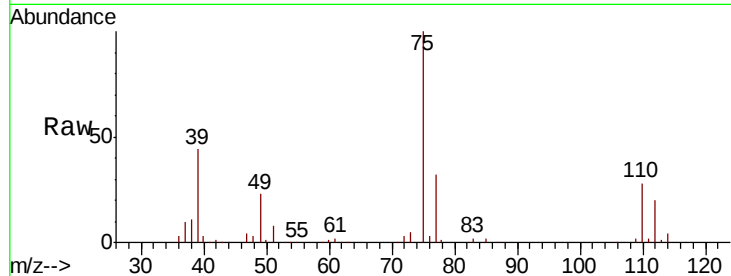




#53
 t-1,3-Dichloropropene
 Concen: 53.434 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.02 min
 Lab File: VD061018.D
 Acq: 12 Mar 2019 11:25

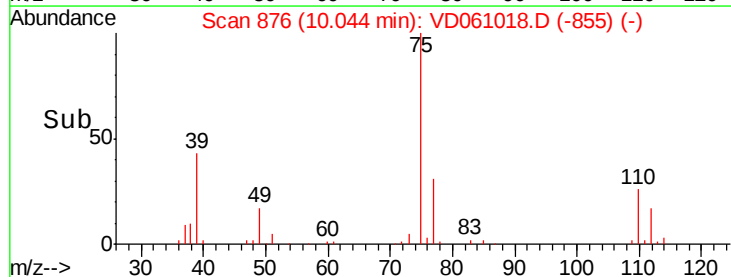
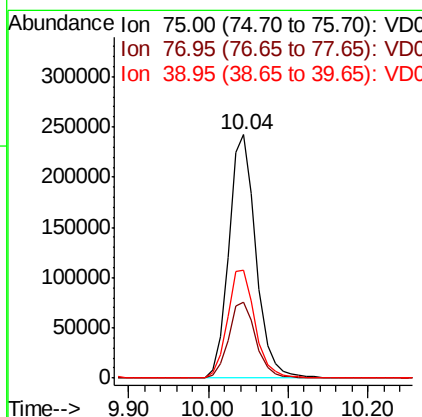
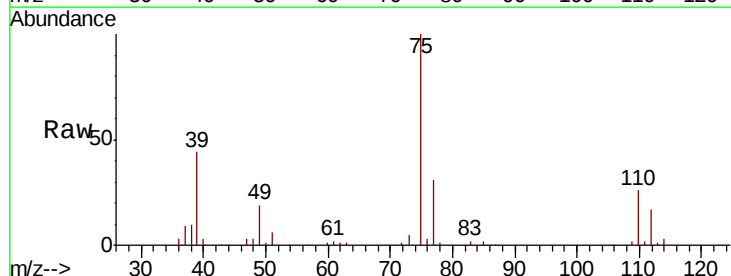
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 75 Resp: 475601
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 53.810 ug/l
 RT: 10.04 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: VD061018.D
 Acq: 12 Mar 2019 11:25

Tgt Ion: 75 Resp: 575470
 Ion Ratio Lower Upper
 75 100
 77 31.1 26.2 39.4
 39 44.2 37.8 56.8





#55

1,1,2-Trichloroethane

Concen: 50.222 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.01 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 269201

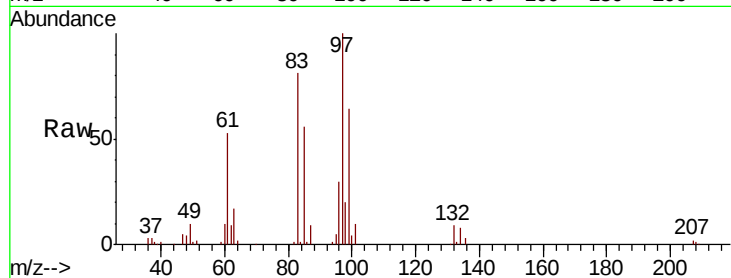
Ion Ratio Lower Upper

97 100

83 80.8 66.6 100.0

85 55.9 46.4 69.6

99 64.1 52.4 78.6

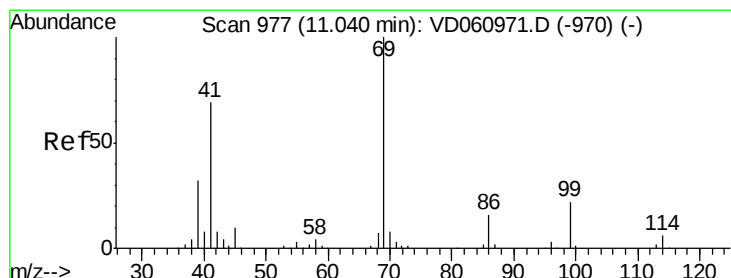
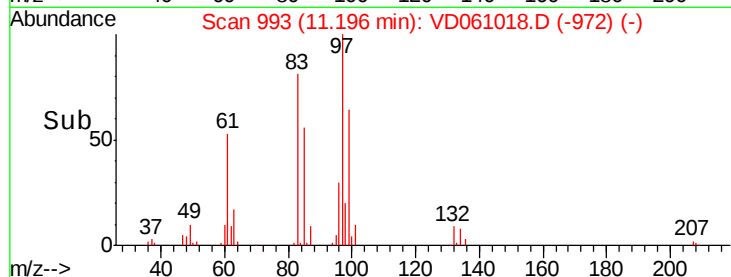
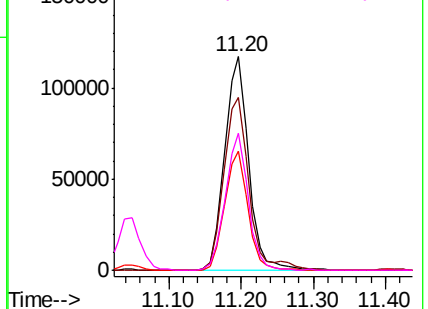


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 53.059 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.01 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

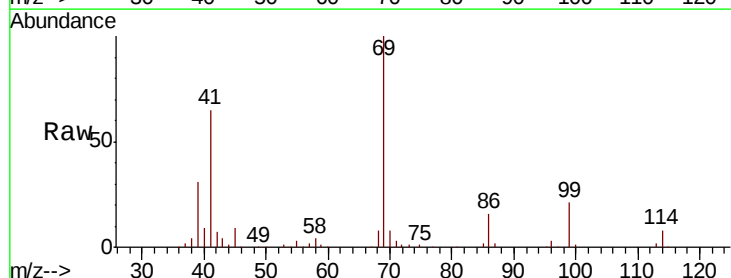
Tgt Ion: 69 Resp: 297691

Ion Ratio Lower Upper

69 100

41 65.4 55.5 83.3

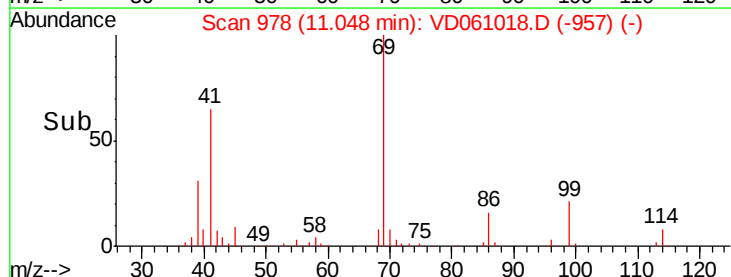
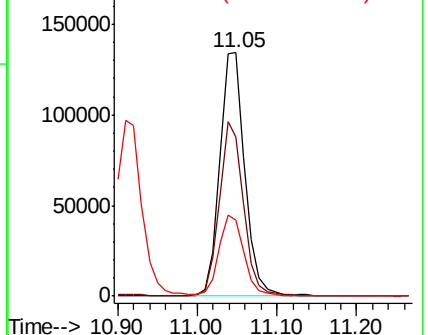
39 30.9 26.2 39.2

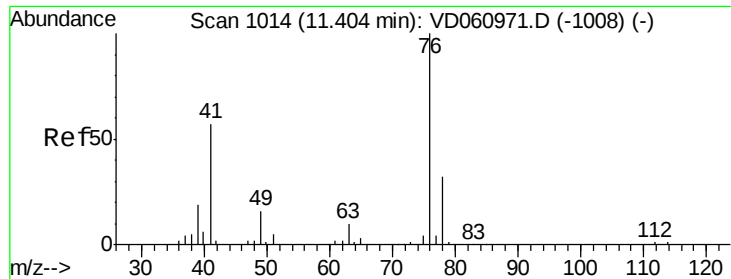


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

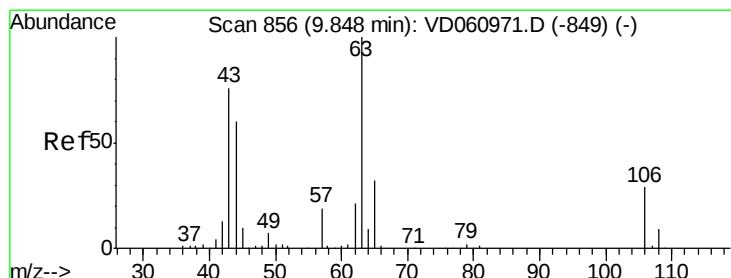
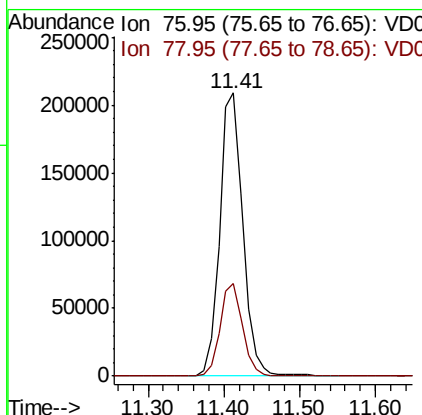
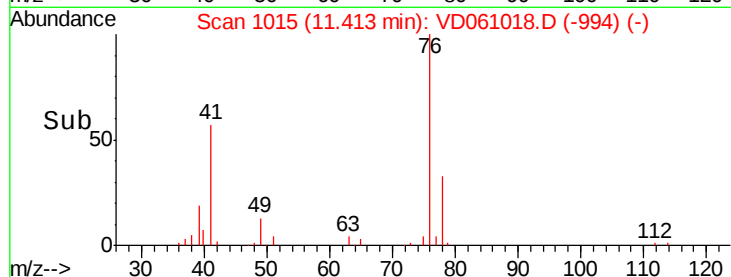
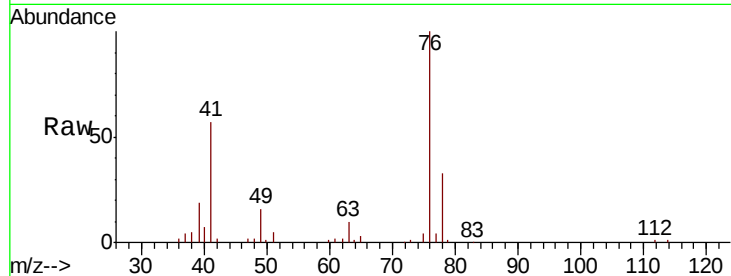




#57
 1,3-Dichloropropane
 Concen: 55.357 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. 0.01 min
 Lab File: VD061018.D
 Acq: 12 Mar 2019 11:25

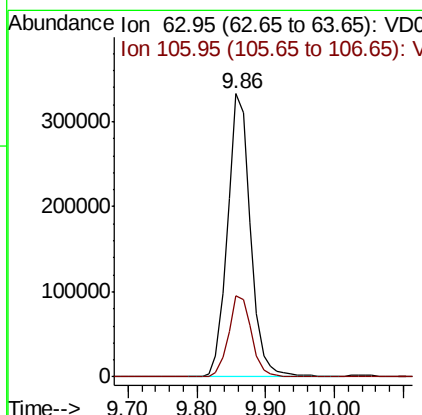
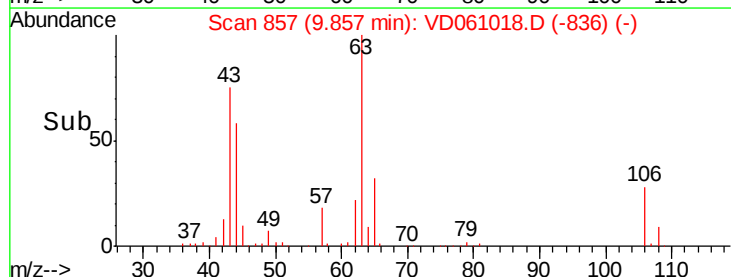
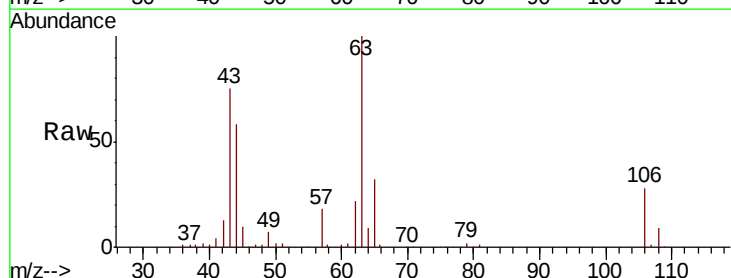
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

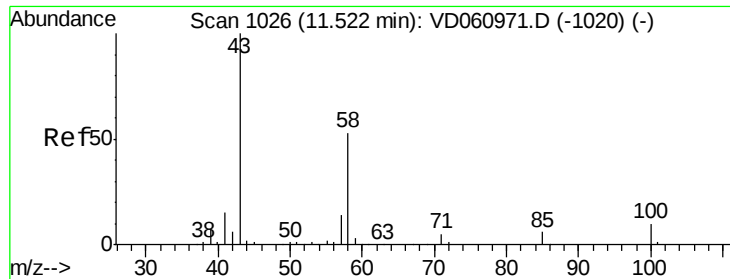
Tgt Ion: 76 Resp: 443422
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.973 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD061018.D
 Acq: 12 Mar 2019 11:25

Tgt Ion: 63 Resp: 766130
 Ion Ratio Lower Upper
 63 100
 106 28.5 22.8 34.2

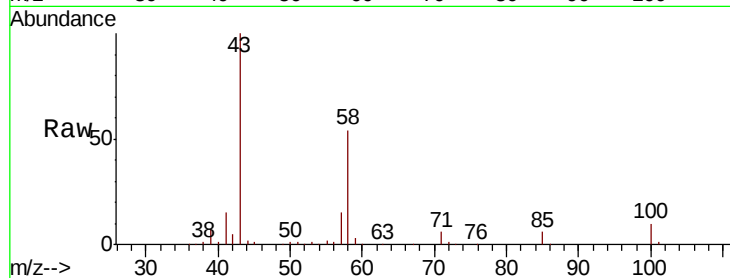




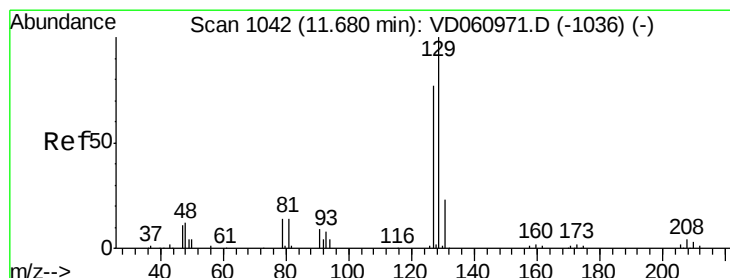
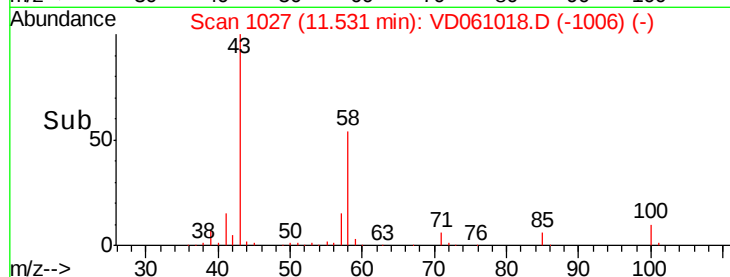
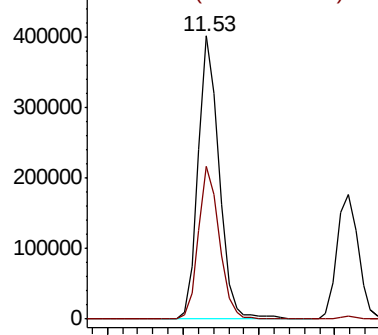
#59
2-Hexanone
Concen: 256.023 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD061018.D
Acq: 12 Mar 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 772455
Ion Ratio Lower Upper
43 100
58 54.0 26.5 79.5

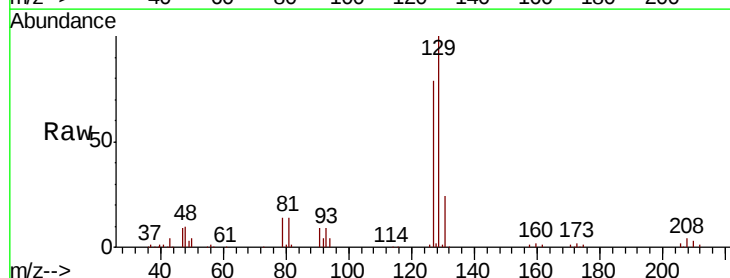


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

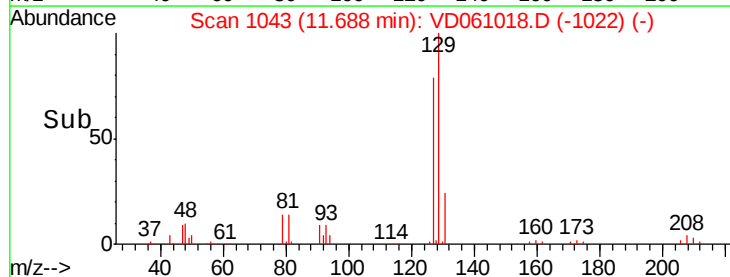
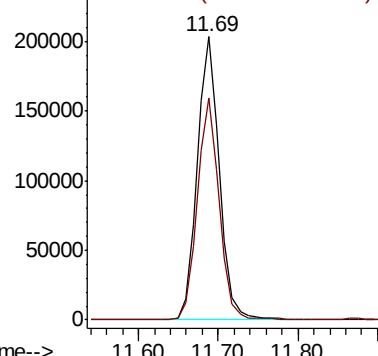


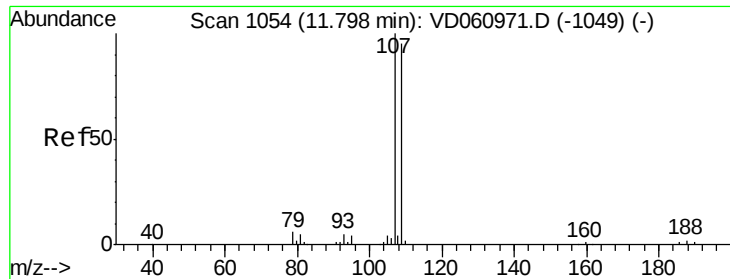
#60
Dibromochloromethane
Concen: 50.479 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD061018.D
Acq: 12 Mar 2019 11:25

Tgt Ion: 129 Resp: 398214
Ion Ratio Lower Upper
129 100
127 78.6 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

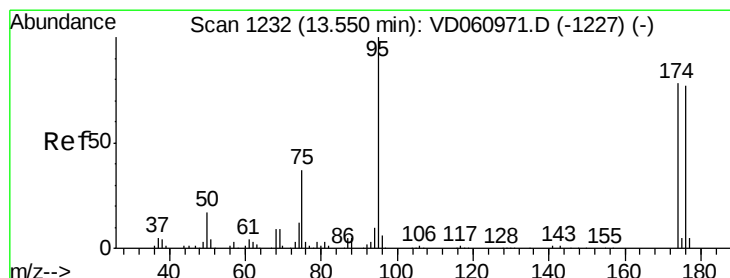
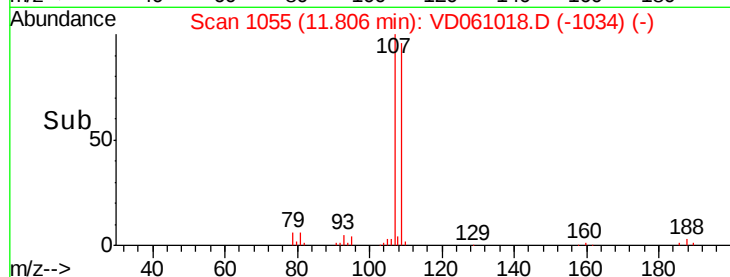
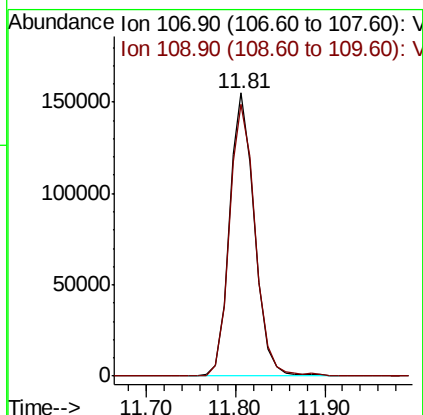
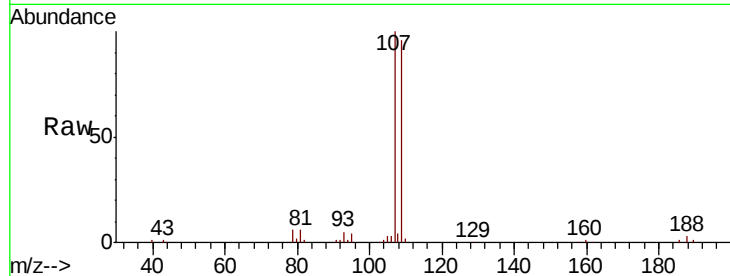




#61
 1,2-Dibromoethane
 Concen: 49.068 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD061018.D
 Acq: 12 Mar 2019 11:25

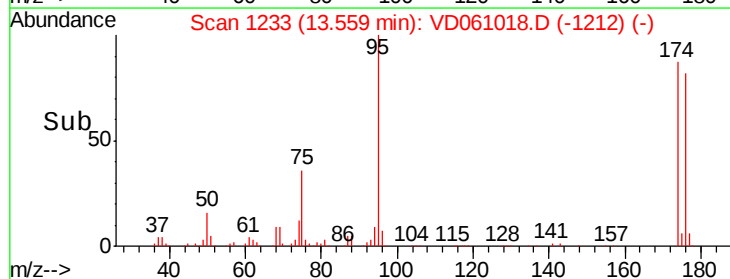
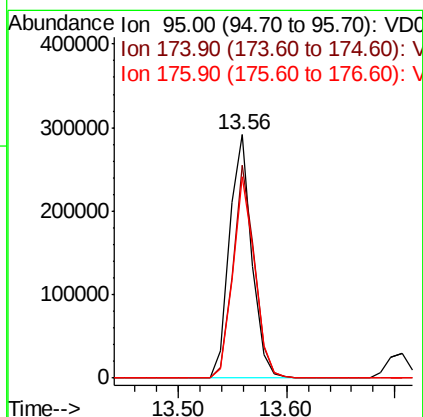
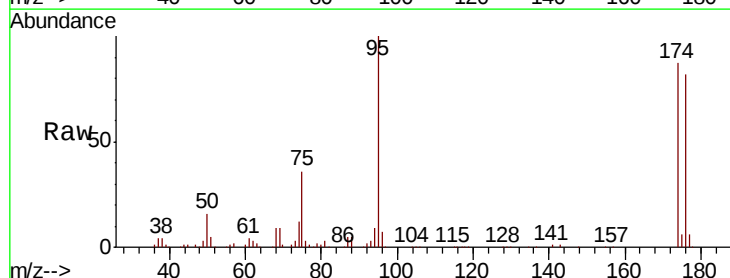
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

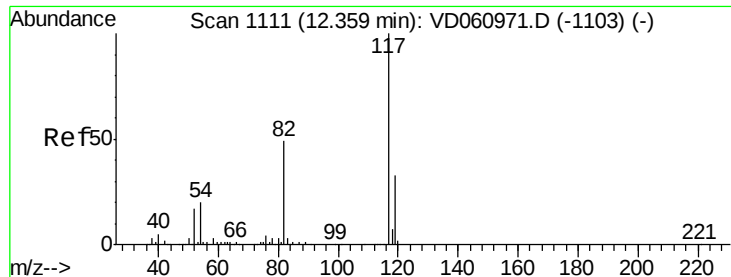
Tgt Ion: 107 Resp: 305962
 Ion Ratio Lower Upper
 107 100
 109 96.0 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 49.068 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061018.D
 Acq: 12 Mar 2019 11:25

Tgt Ion: 95 Resp: 416429
 Ion Ratio Lower Upper
 95 100
 174 87.3 0.0 155.6
 176 82.5 0.0 153.8

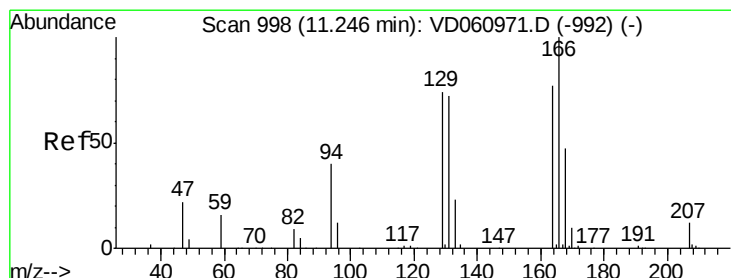
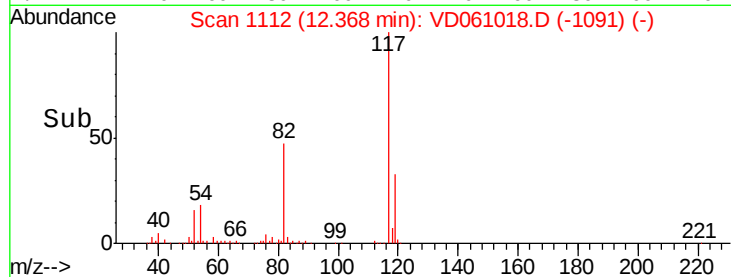
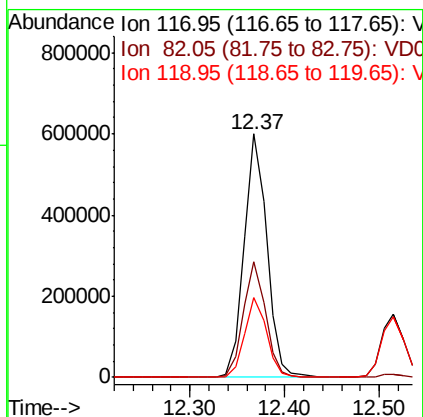
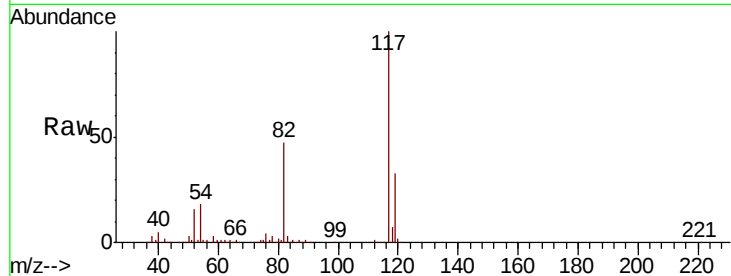




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061018.D
Acq: 12 Mar 2019 11:25

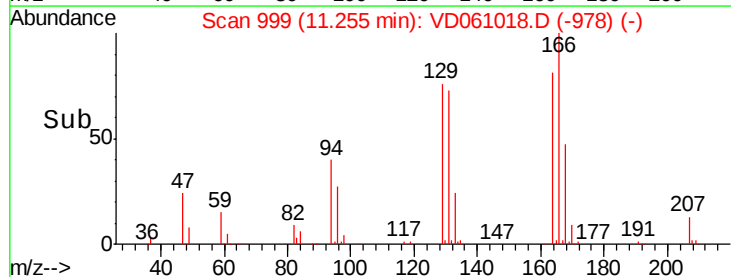
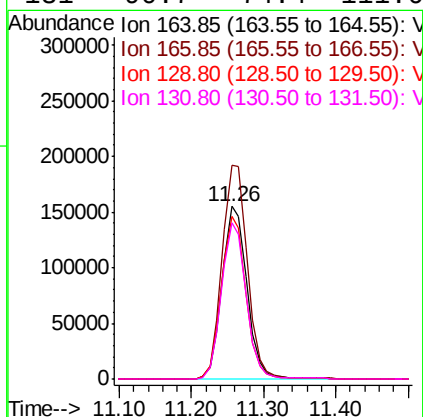
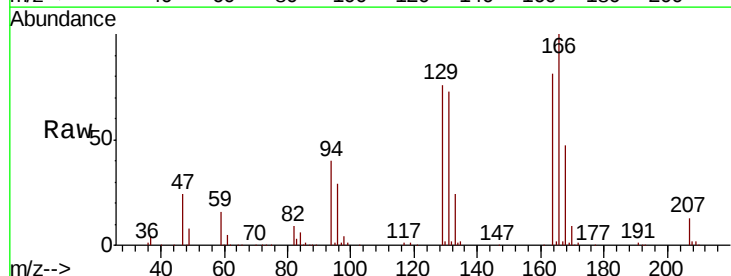
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

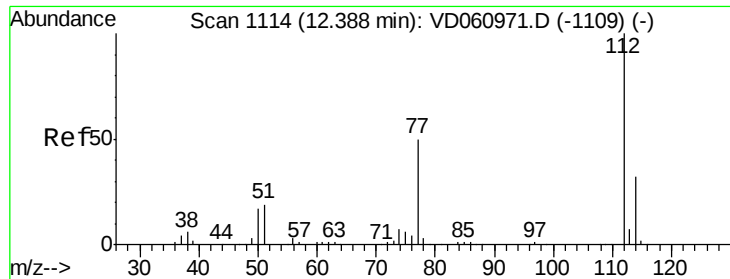
Tgt Ion:117 Resp: 1000642
Ion Ratio Lower Upper
117 100
82 47.3 38.9 58.3
119 32.7 26.6 39.8



#64
Tetrachloroethene
Concen: 54.615 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD061018.D
Acq: 12 Mar 2019 11:25

Tgt Ion:164 Resp: 368911
Ion Ratio Lower Upper
164 100
166 123.8 103.4 155.0
129 94.2 76.9 115.3
131 90.7 74.4 111.6

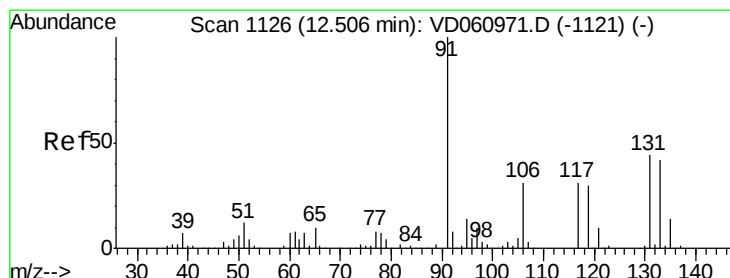
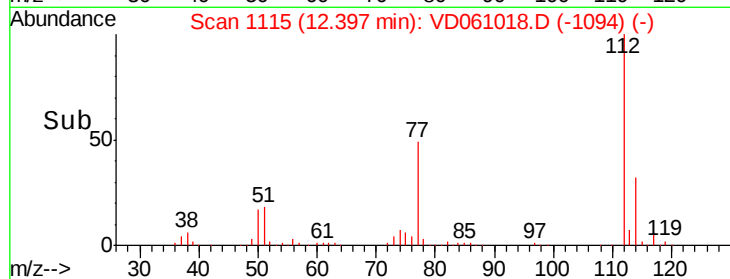
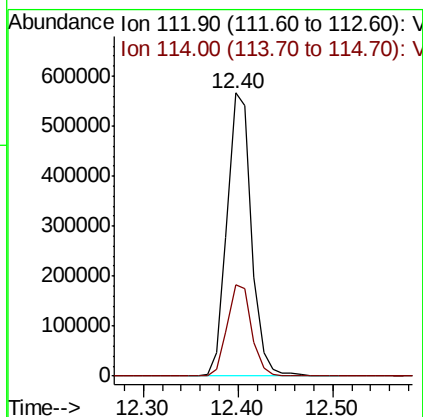
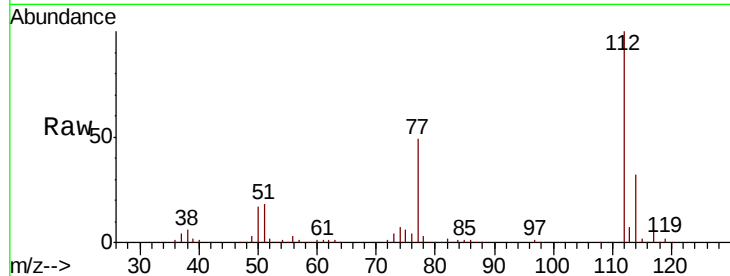




#65
Chlorobenzene
Concen: 51.577 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD061018.D
Acq: 12 Mar 2019 11:25

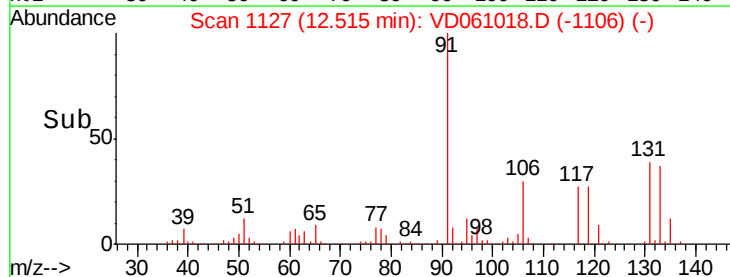
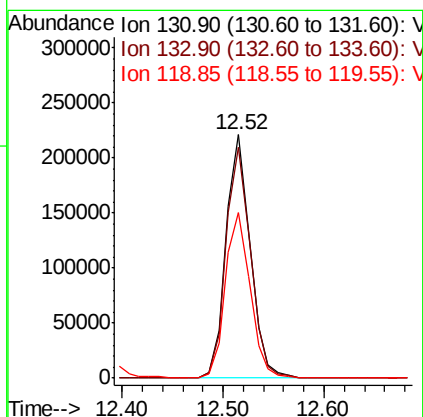
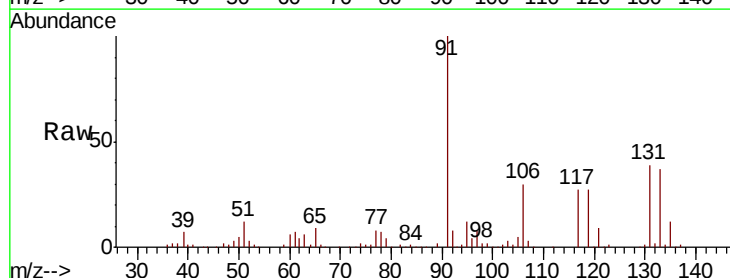
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 1011786
Ion Ratio Lower Upper
112 100
114 32.1 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 52.663 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061018.D
Acq: 12 Mar 2019 11:25

Tgt Ion:131 Resp: 368243
Ion Ratio Lower Upper
131 100
133 95.0 47.8 143.3
119 68.1 34.3 102.9

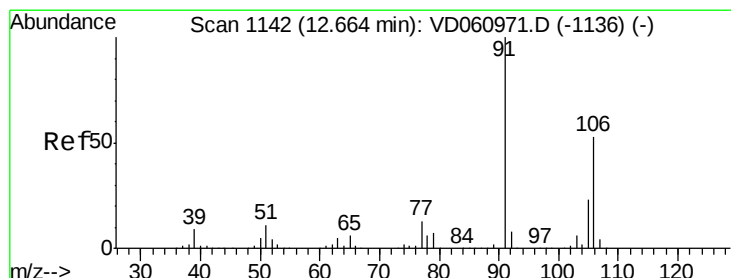
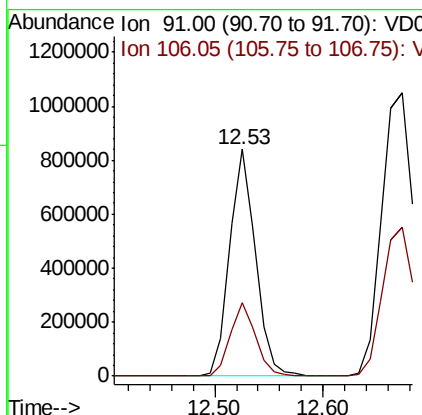
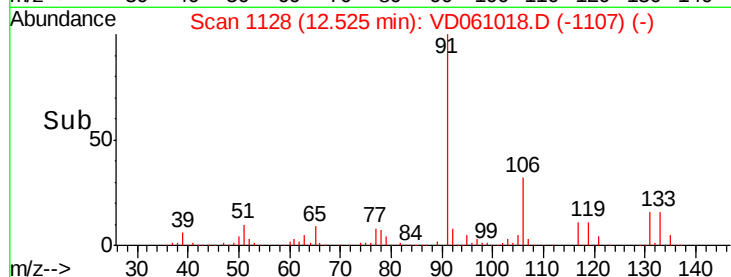
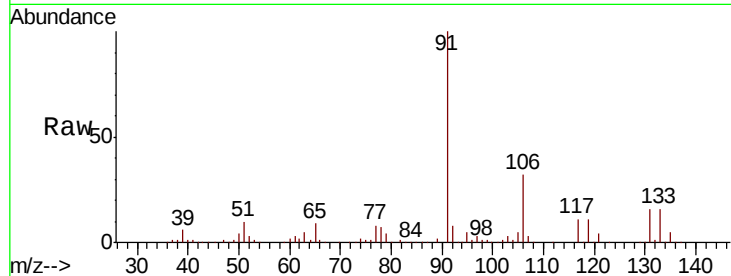




#67
Ethyl Benzene
Concen: 48.144 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061018.D
Acq: 12 Mar 2019 11:25

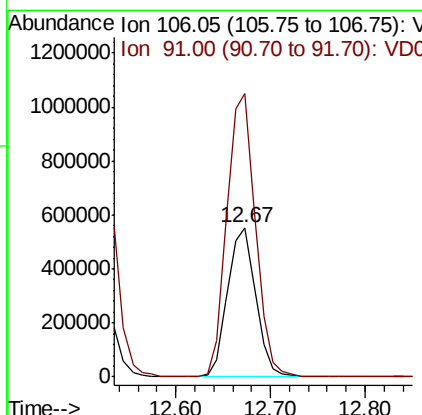
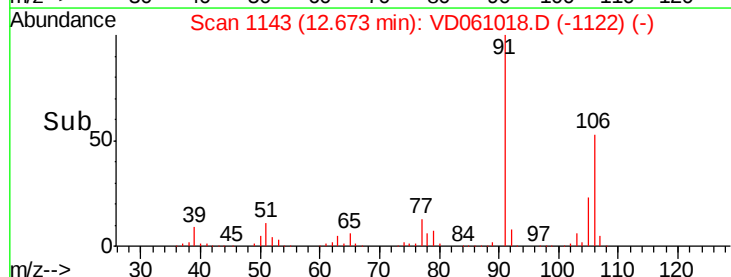
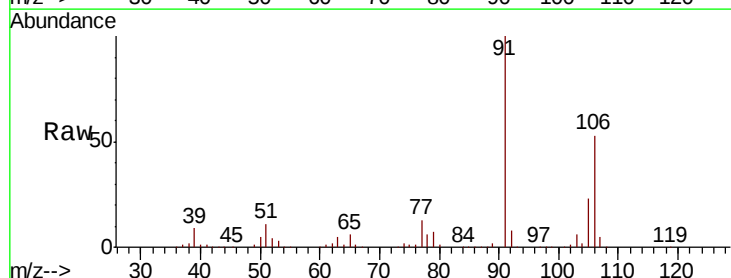
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

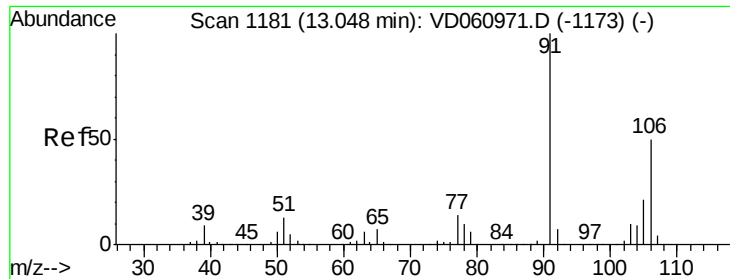
Tgt Ion: 91 Resp: 1406032
Ion Ratio Lower Upper
91 100
106 32.3 25.7 38.5



#68
m/p-Xylenes
Concen: 98.612 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061018.D
Acq: 12 Mar 2019 11:25

Tgt Ion: 106 Resp: 1130348
Ion Ratio Lower Upper
106 100
91 190.0 152.0 228.0

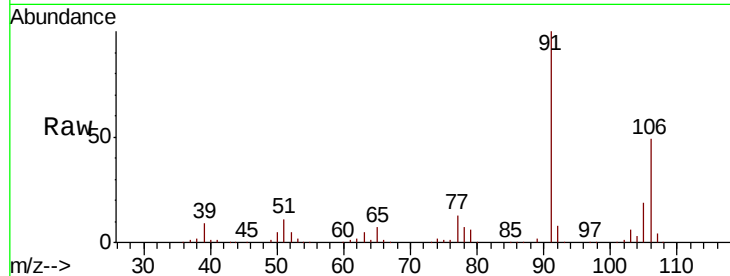




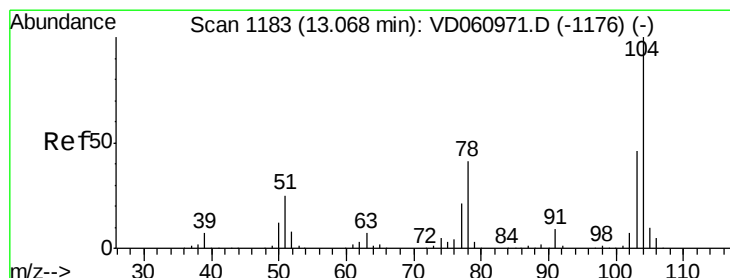
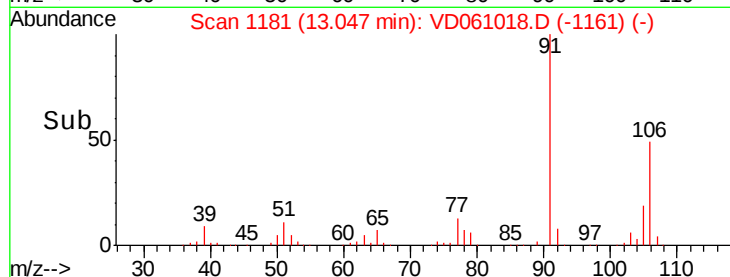
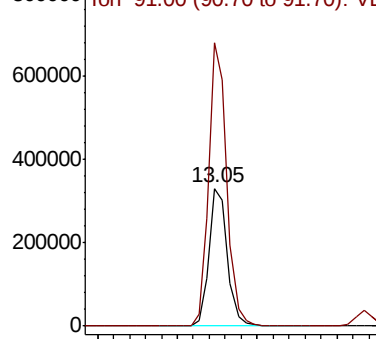
#69
o-Xylene
Concen: 47.160 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD061018.D
Acq: 12 Mar 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 531369
Ion Ratio Lower Upper
106 100
91 205.5 99.8 299.3

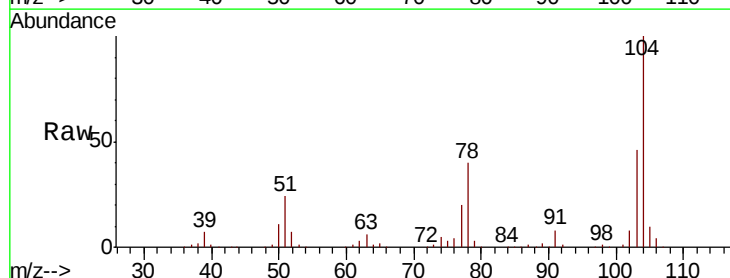


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

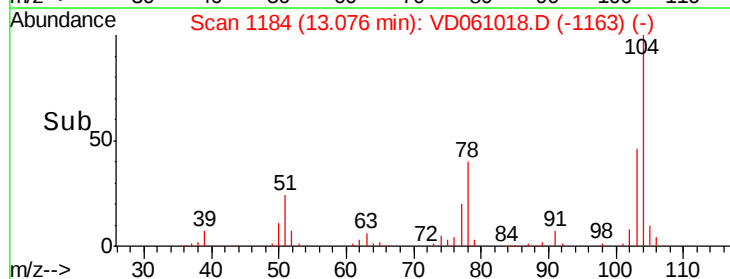
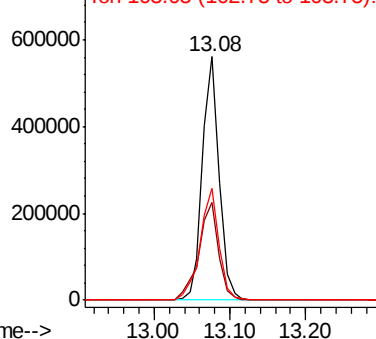


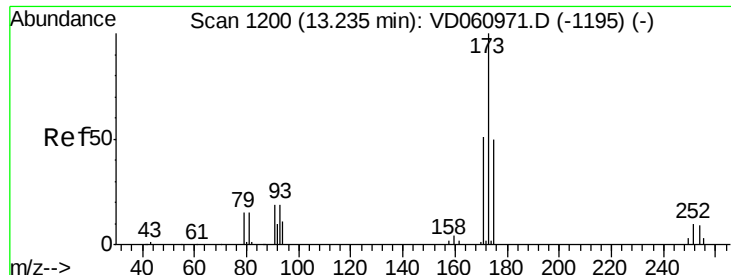
#70
Styrene
Concen: 46.376 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061018.D
Acq: 12 Mar 2019 11:25

Tgt Ion:104 Resp: 853248
Ion Ratio Lower Upper
104 100
78 39.9 33.0 49.4
103 45.8 37.1 55.7



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





#71

Bromoform

Concen: 52.364 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

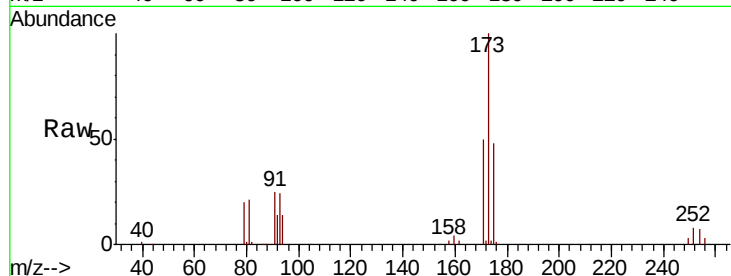
Tgt Ion:173 Resp: 236209

Ion Ratio Lower Upper

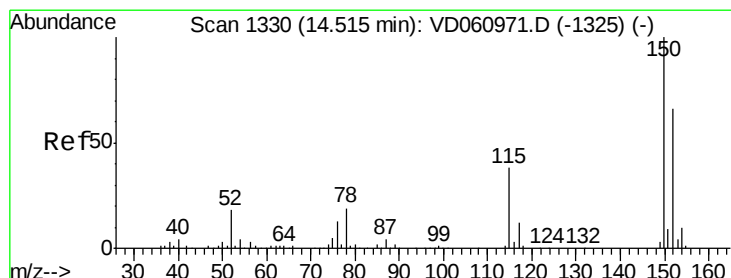
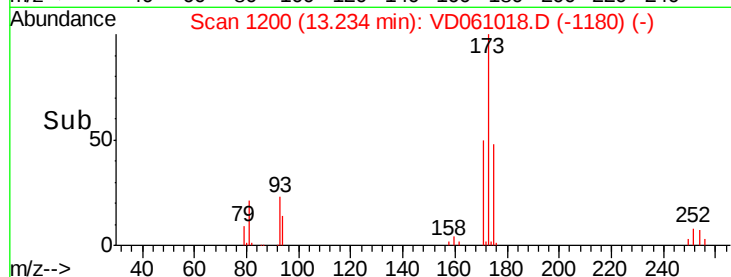
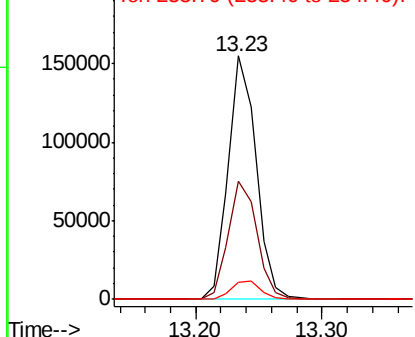
173 100

175 48.5 24.9 74.8

254 6.9 7.3 10.9#



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: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

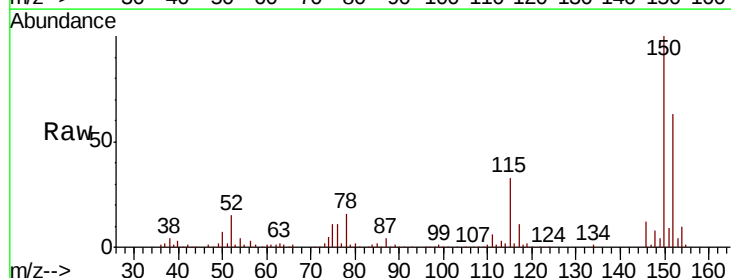
Tgt Ion:152 Resp: 463673

Ion Ratio Lower Upper

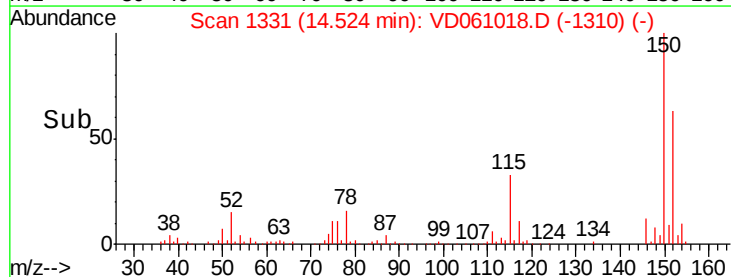
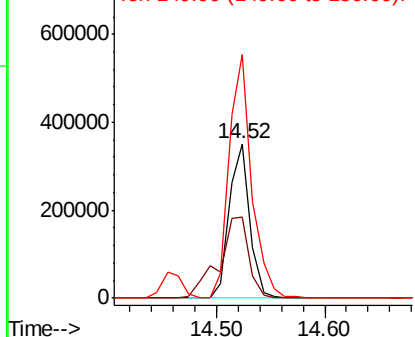
152 100

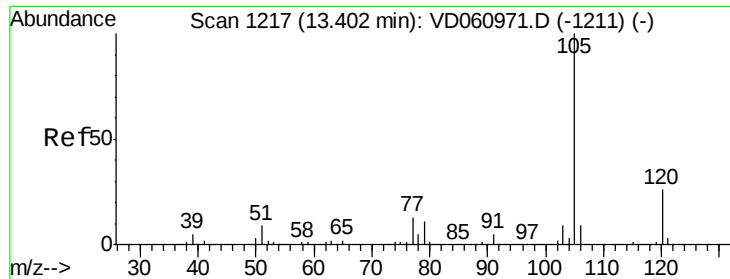
115 52.7 28.6 85.9

150 158.0 0.0 310.6



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





#73

Isopropylbenzene

Concen: 45.227 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

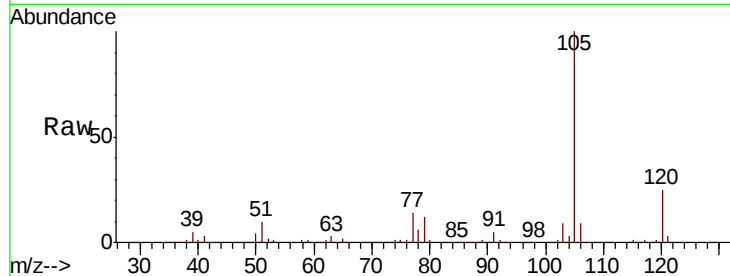
VSTDCCC050

Tgt Ion:105 Resp: 1511311

Ion Ratio Lower Upper

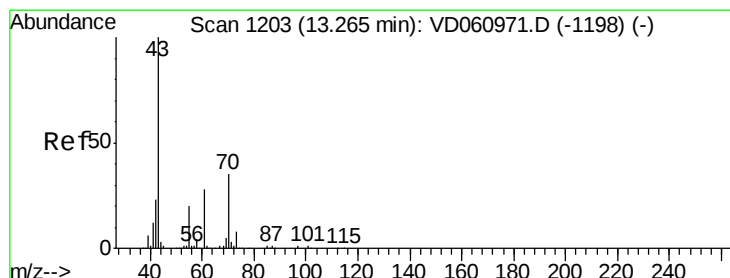
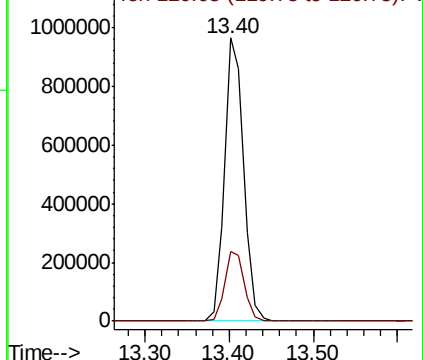
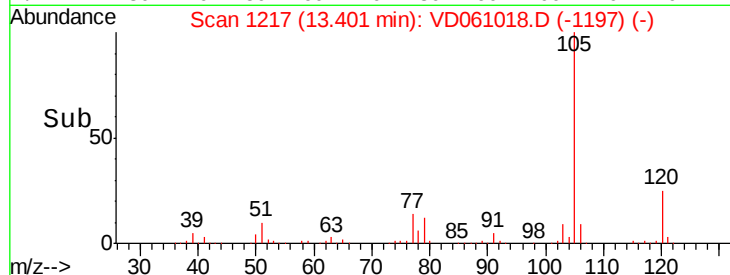
105 100

120 24.8 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 44.313 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

Tgt Ion: 43 Resp: 416945

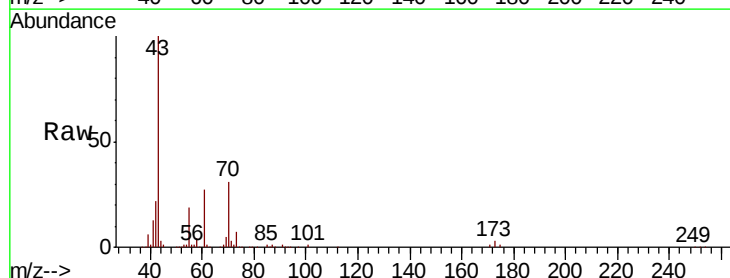
Ion Ratio Lower Upper

43 100

70 31.2 27.7 41.5

55 18.8 16.2 24.2

61 26.9 22.3 33.5

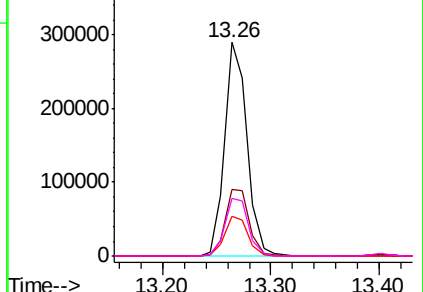
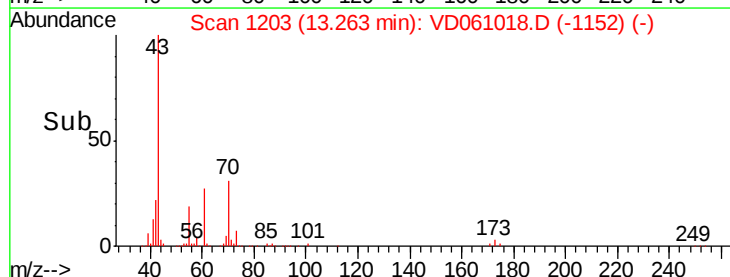


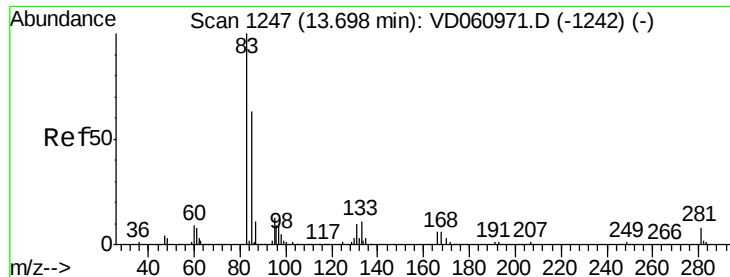
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 46.859 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

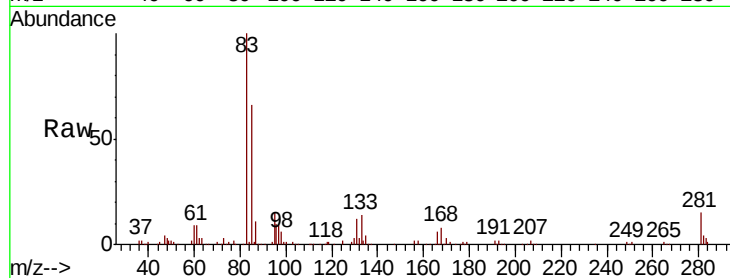
Tgt Ion: 83 Resp: 305503

Ion Ratio Lower Upper

83 100

131 11.6 5.1 15.3

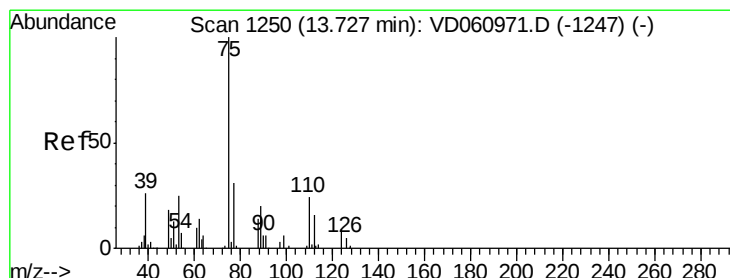
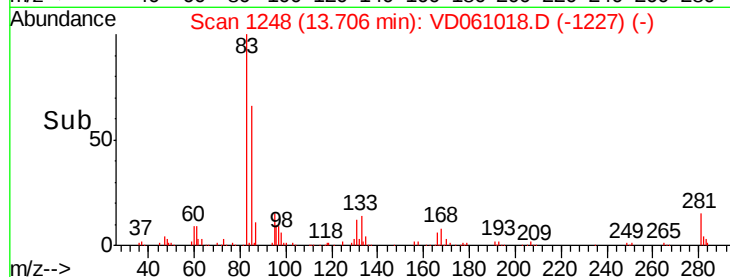
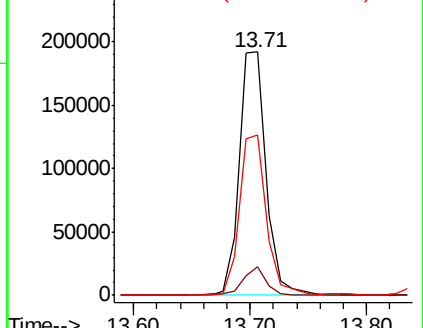
85 65.7 31.5 94.5



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: 47.900 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061018.D

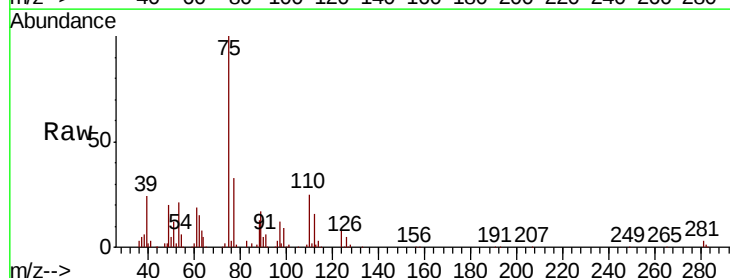
Acq: 12 Mar 2019 11:25

Tgt Ion: 75 Resp: 319529

Ion Ratio Lower Upper

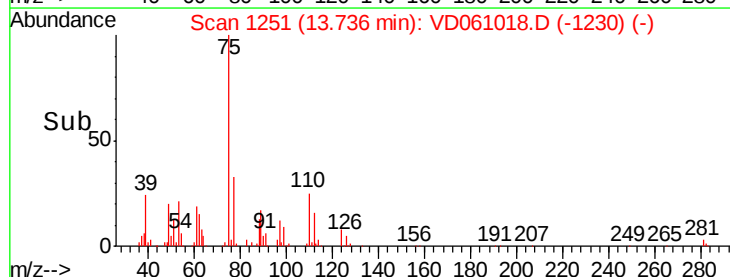
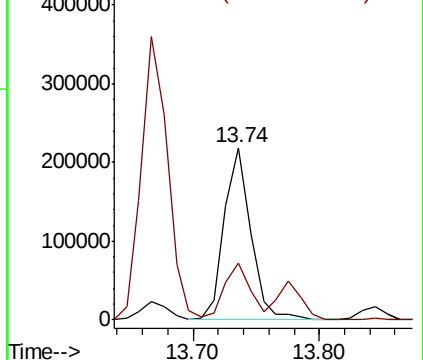
75 100

77 33.2 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 49.071 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

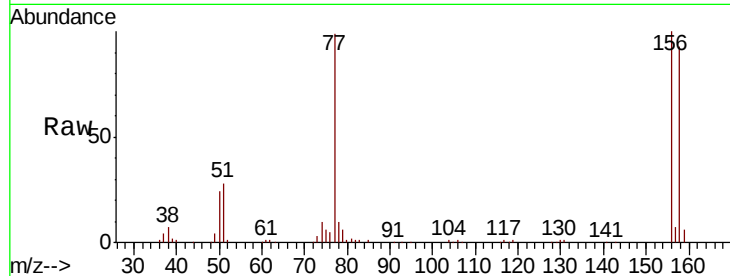
Tgt Ion:156 Resp: 418577

Ion Ratio Lower Upper

156 100

77 99.1 55.5 166.7

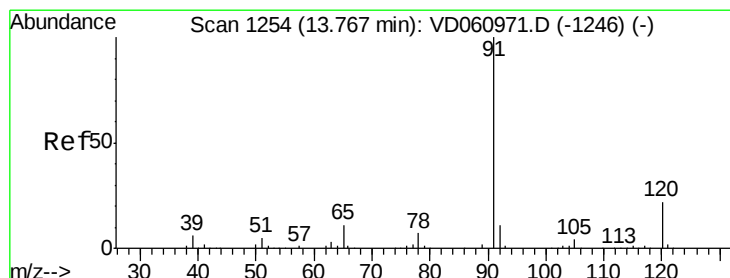
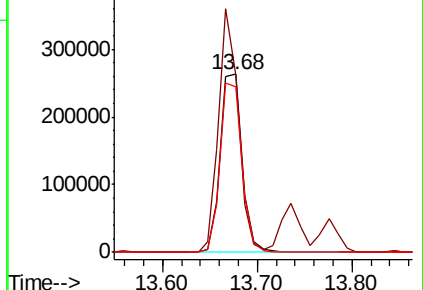
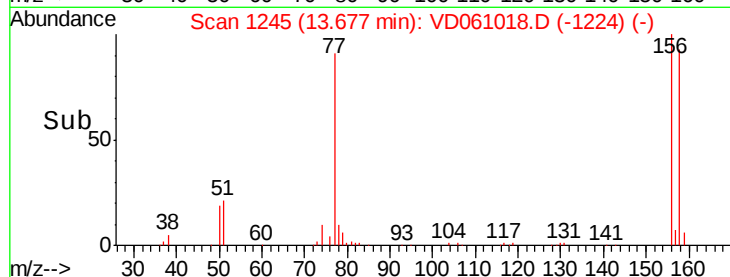
158 92.9 49.0 147.0



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: 46.343 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061018.D

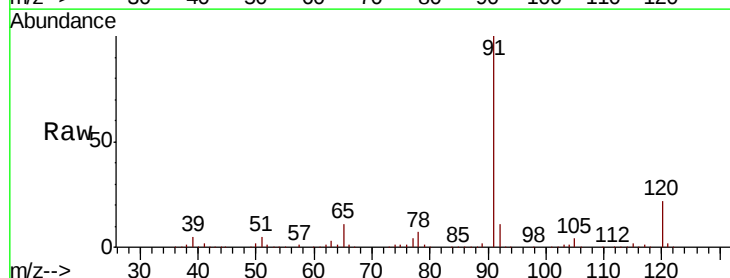
Acq: 12 Mar 2019 11:25

Tgt Ion: 91 Resp: 1812928

Ion Ratio Lower Upper

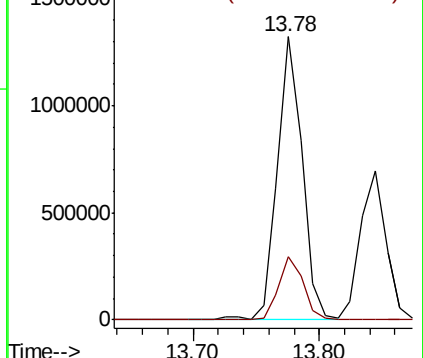
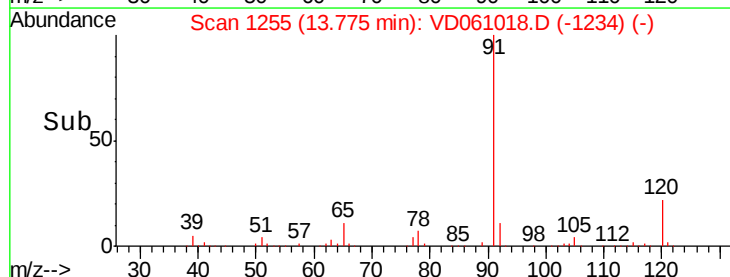
91 100

120 22.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 45.161 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

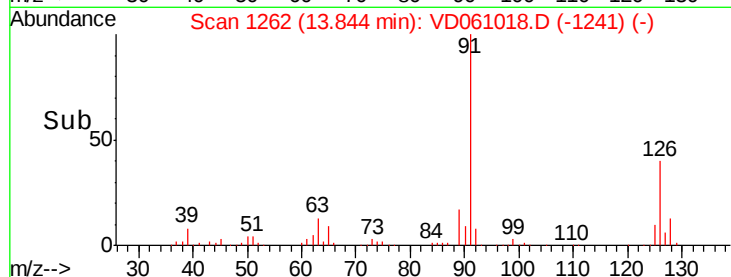
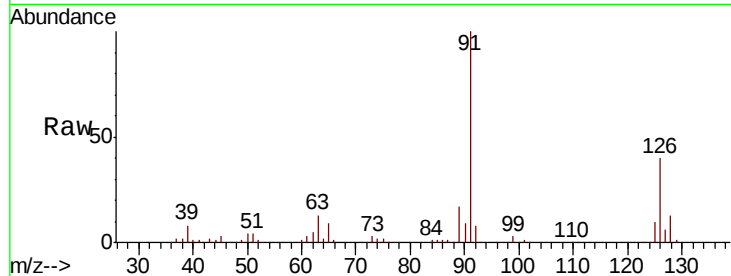
VSTDCCC050

Tgt Ion: 91 Resp: 972641

Ion Ratio Lower Upper

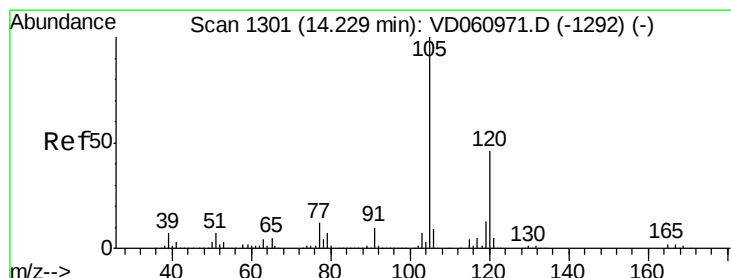
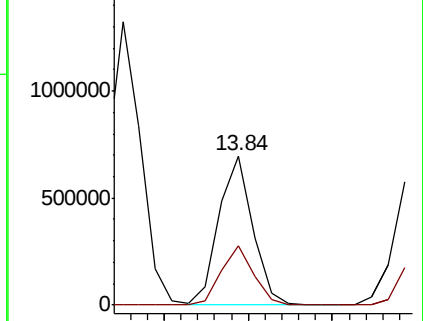
91 100

126 39.7 18.6 55.6



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: 46.272 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD061018.D

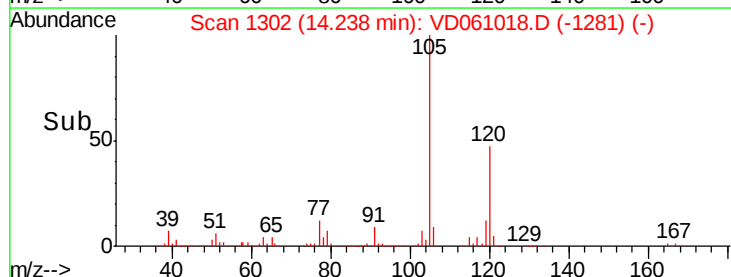
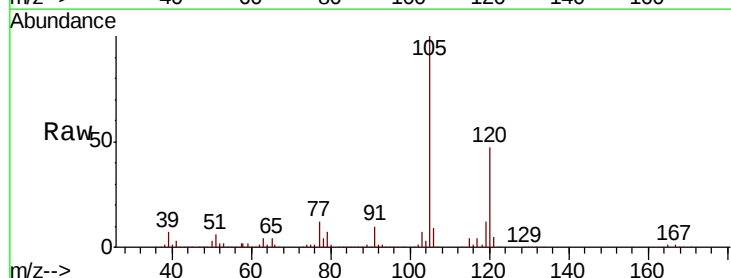
Acq: 12 Mar 2019 11:25

Tgt Ion: 105 Resp: 1173827

Ion Ratio Lower Upper

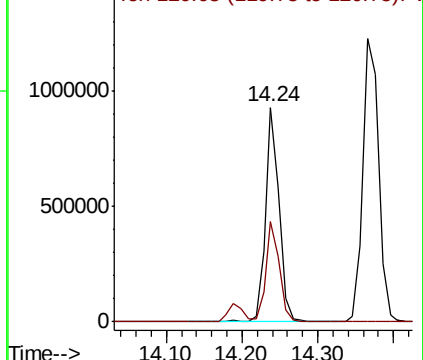
105 100

120 46.7 22.9 68.5



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: 53.333 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

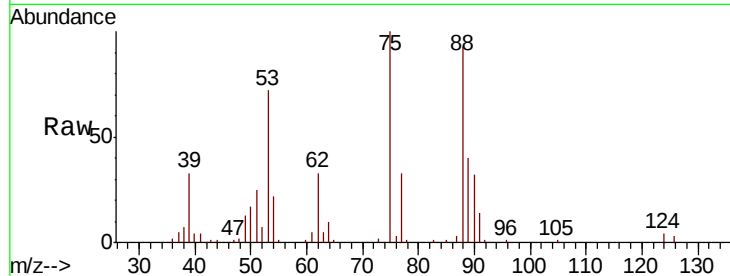
Tgt Ion: 75 Resp: 104889

Ion Ratio Lower Upper

75 100

53 71.9 64.4 96.6

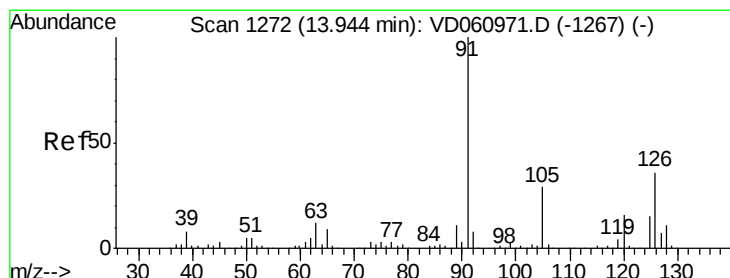
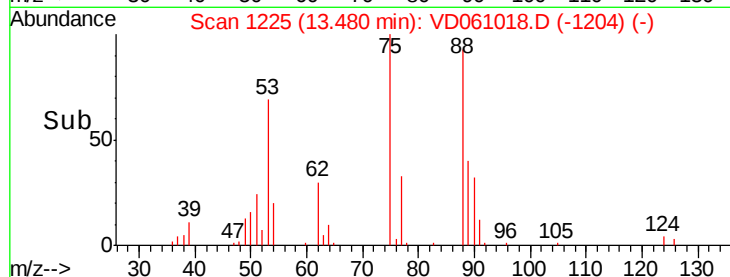
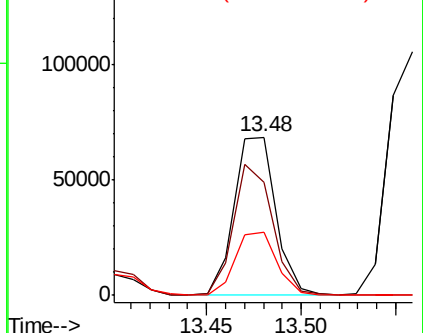
89 40.1 34.8 52.2



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: 44.761 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD061018.D

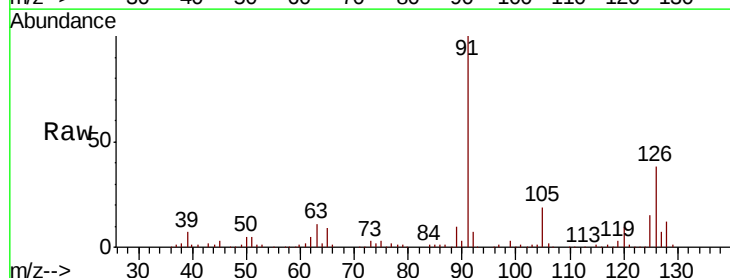
Acq: 12 Mar 2019 11:25

Tgt Ion: 91 Resp: 1139652

Ion Ratio Lower Upper

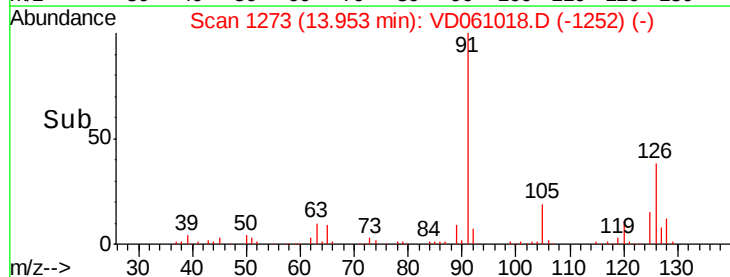
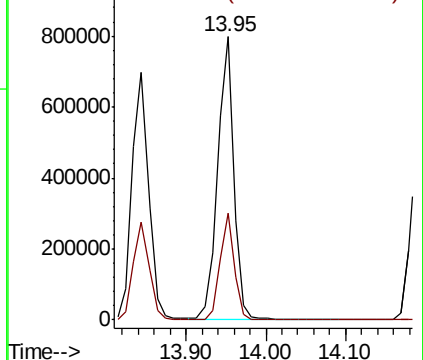
91 100

126 37.9 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

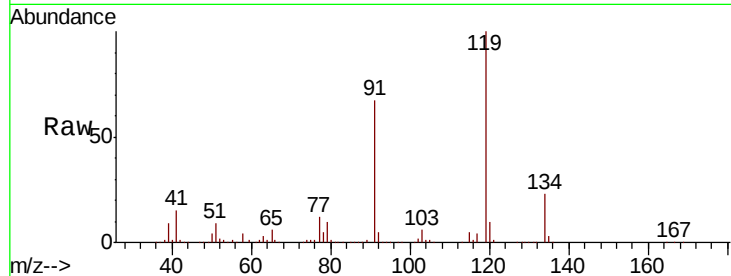




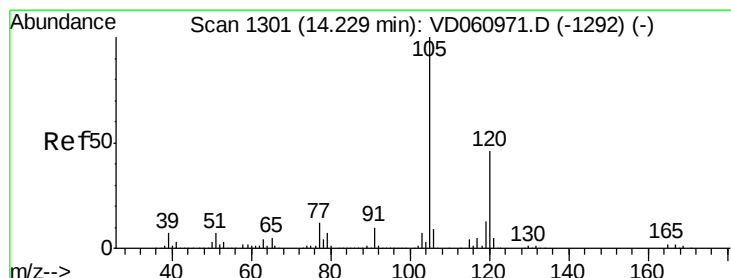
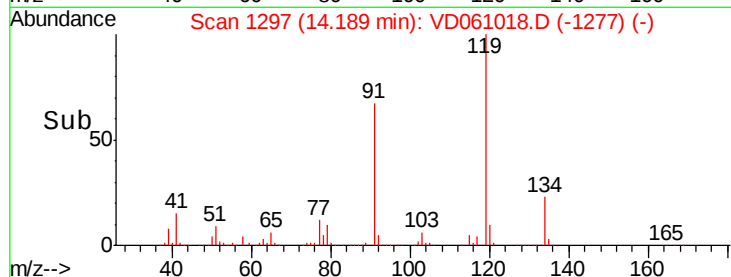
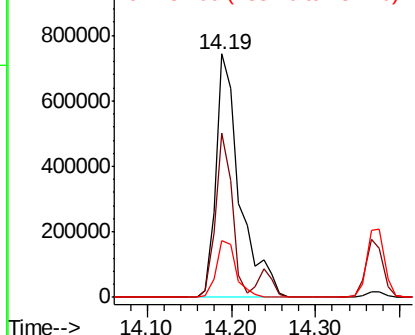
#83
 tert-Butylbenzene
 Concen: 52.629 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD061018.D
 Acq: 12 Mar 2019 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 1461107
 Ion Ratio Lower Upper
 119 100
 91 67.2 30.1 90.3
 134 23.5 11.6 34.7

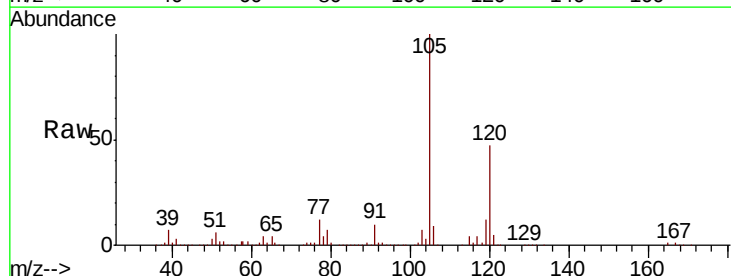


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

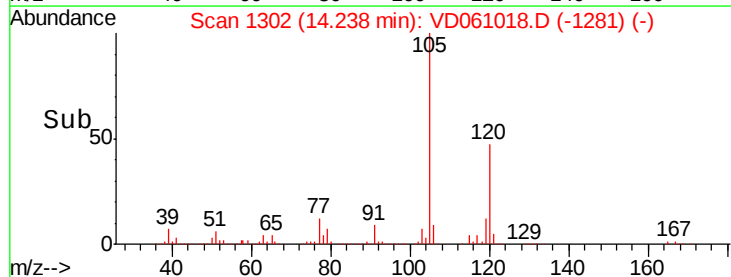
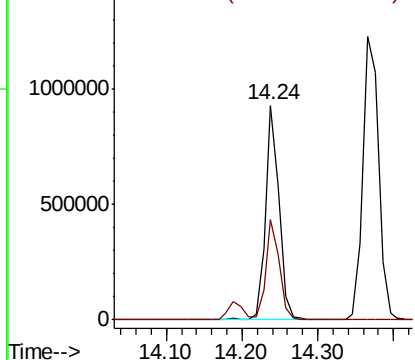


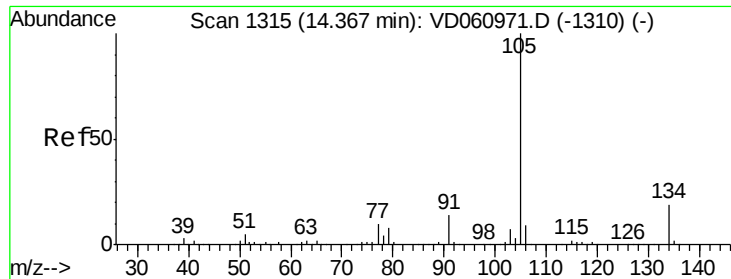
#84
 1,2,4-Trimethylbenzene
 Concen: 46.272 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061018.D
 Acq: 12 Mar 2019 11:25

Tgt Ion:105 Resp: 1173827
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.9 68.5



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

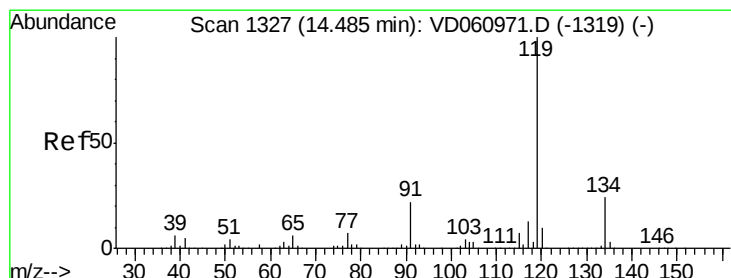
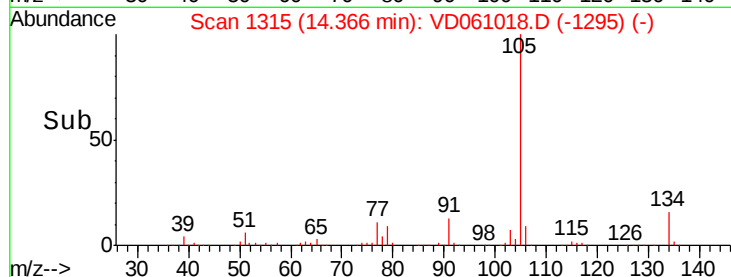
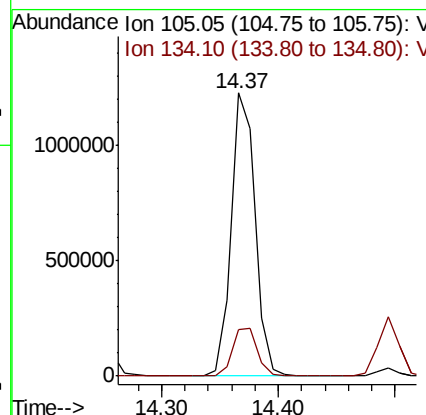
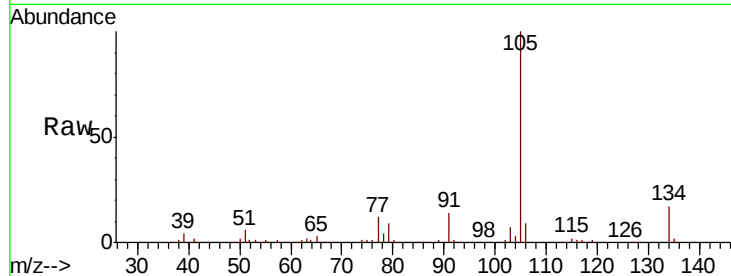




#85
 sec-Butylbenzene
 Concen: 51.094 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD061018.D
 Acq: 12 Mar 2019 11:25

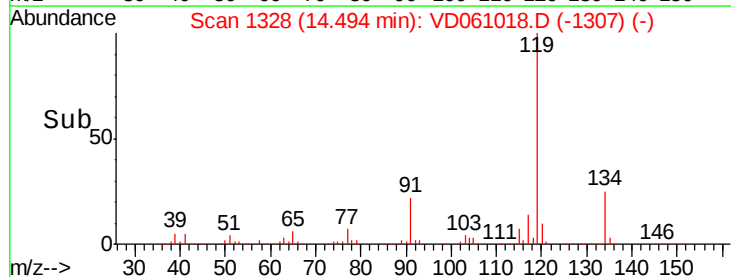
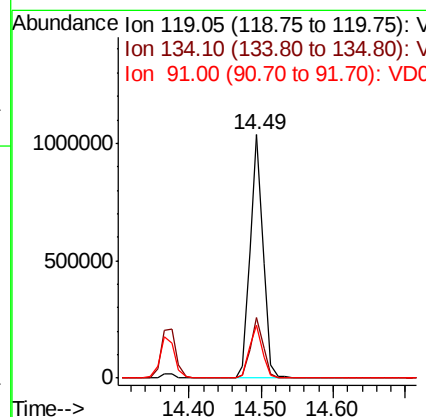
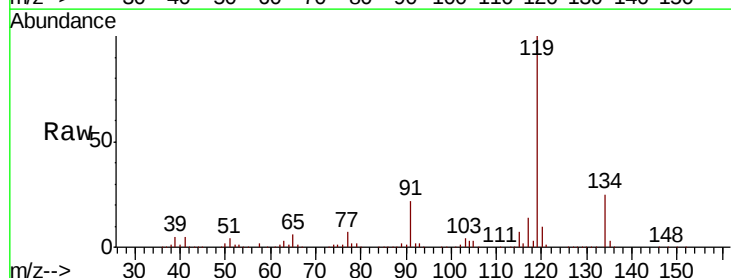
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

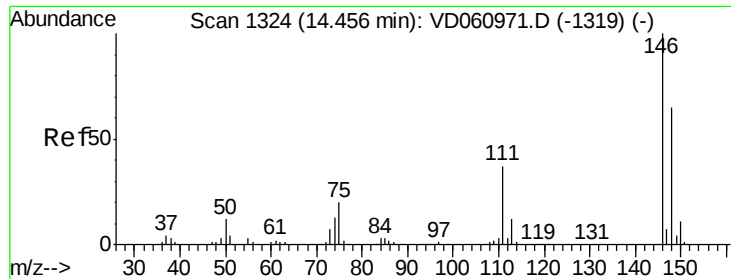
Tgt Ion:105 Resp: 1731708
 Ion Ratio Lower Upper
 105 100
 134 16.6 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 46.849 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD061018.D
 Acq: 12 Mar 2019 11:25

Tgt Ion:119 Resp: 1297894
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.0 36.1
 91 21.9 11.2 33.6

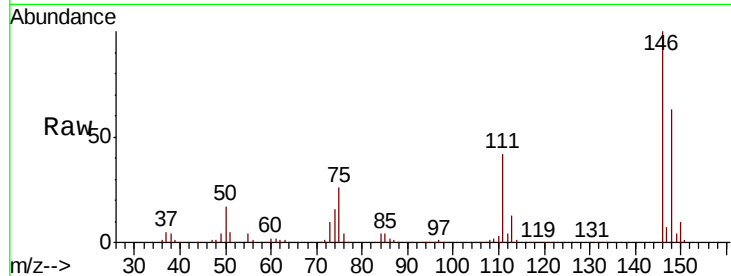




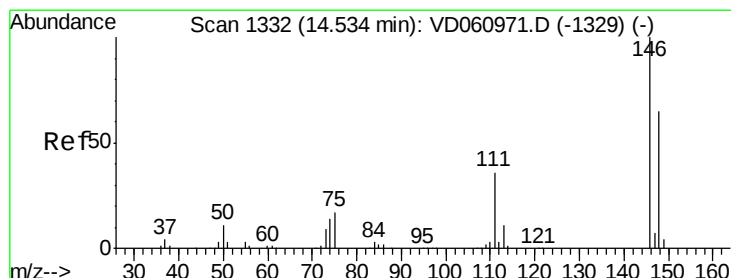
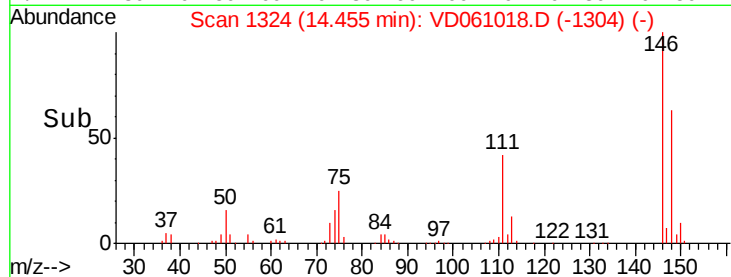
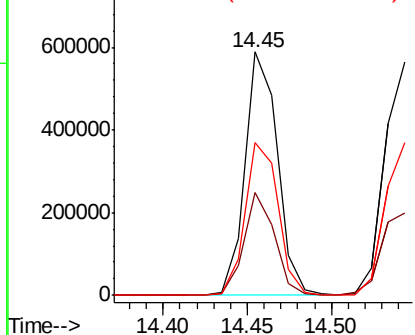
#87
 1,3-Dichlorobenzene
 Concen: 51.645 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD061018.D
 Acq: 12 Mar 2019 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 786639
 Ion Ratio Lower Upper
 146 100
 111 42.4 18.4 55.4
 148 62.9 32.5 97.4

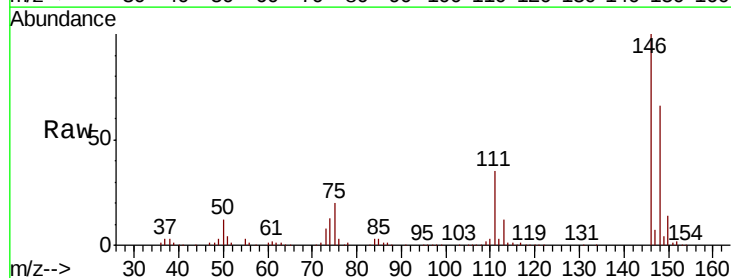


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

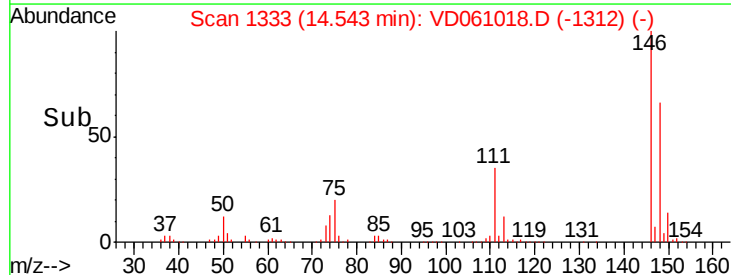
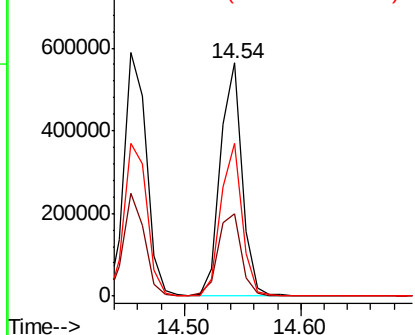


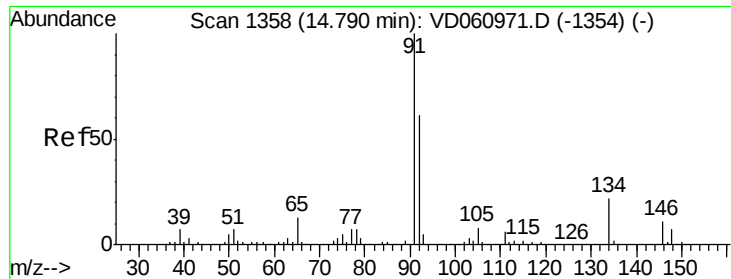
#88
 1,4-Dichlorobenzene
 Concen: 48.630 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061018.D
 Acq: 12 Mar 2019 11:25

Tgt Ion:146 Resp: 727889
 Ion Ratio Lower Upper
 146 100
 111 35.4 18.4 55.2
 148 65.5 32.5 97.5



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





#89

n-Butylbenzene

Concen: 43.726 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

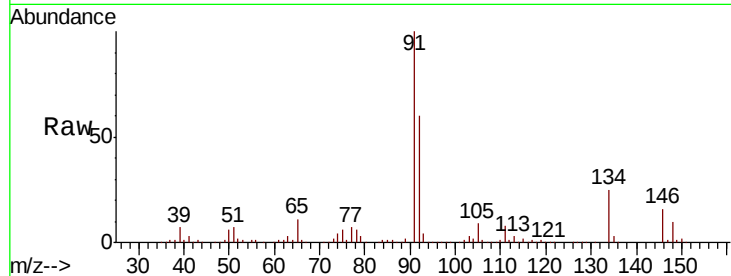
Tgt Ion: 91 Resp: 1163299

Ion Ratio Lower Upper

91 100

92 60.0 30.6 91.8

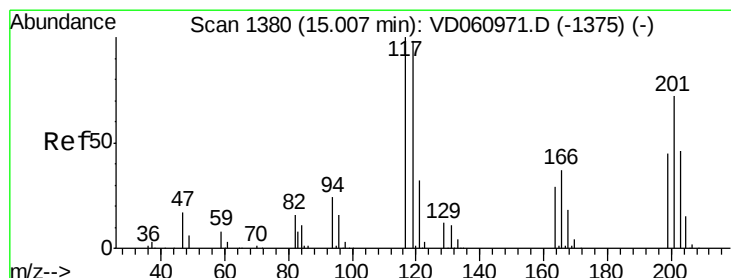
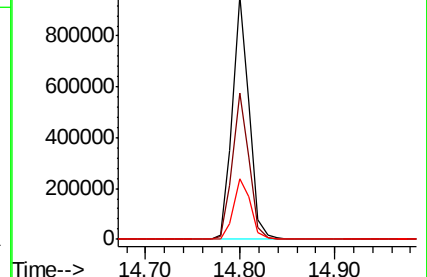
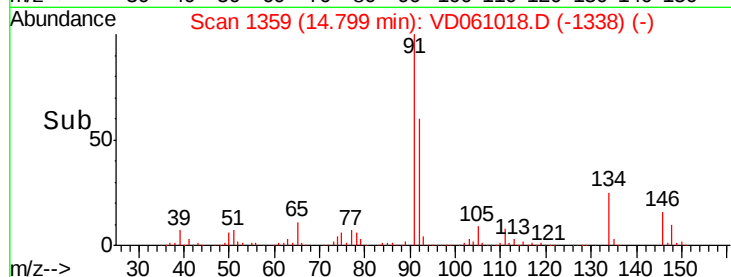
134 25.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 50.038 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD061018.D

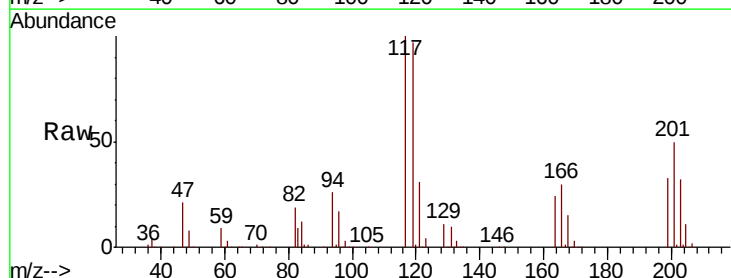
Acq: 12 Mar 2019 11:25

Tgt Ion: 117 Resp: 391436

Ion Ratio Lower Upper

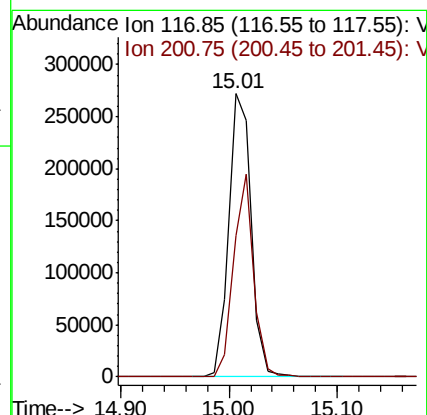
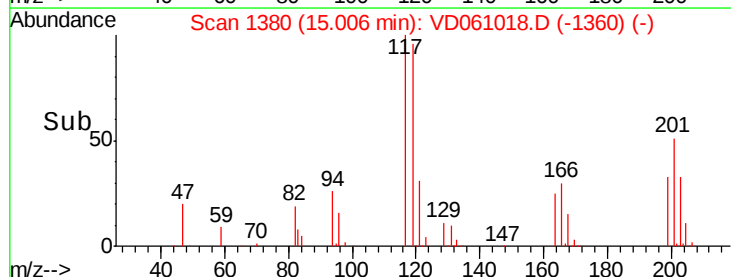
117 100

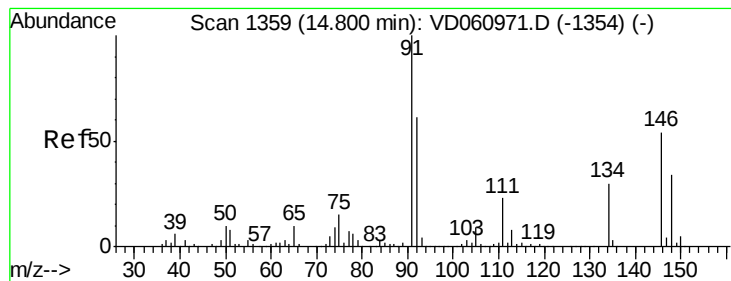
201 49.9 36.2 108.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 45.882 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

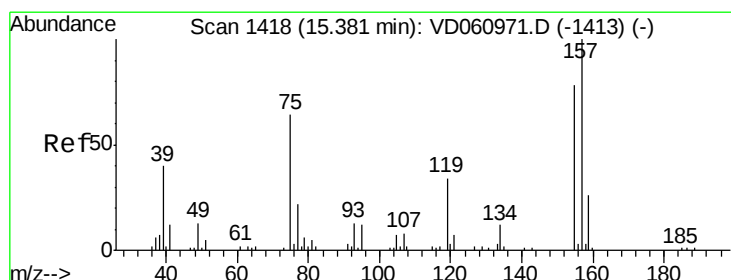
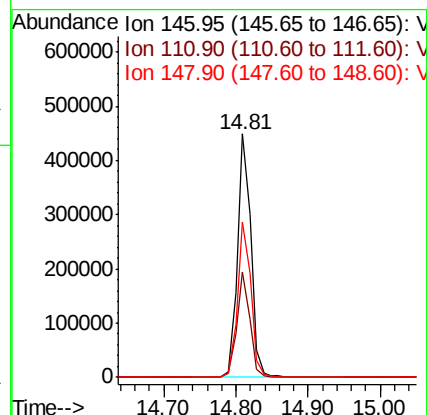
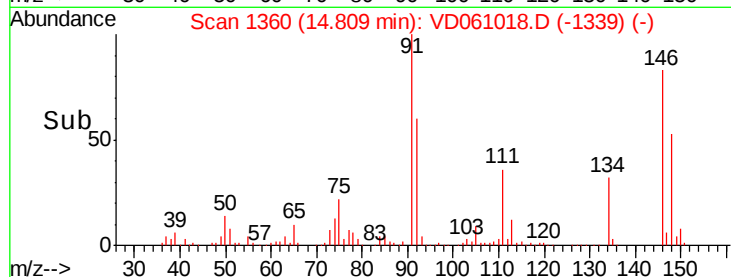
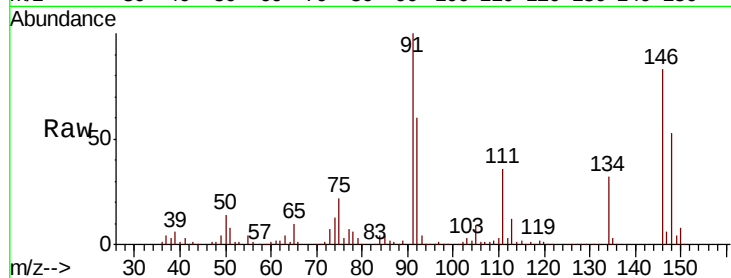
Tgt Ion:146 Resp: 582612

Ion Ratio Lower Upper

146 100

111 43.3 21.5 64.5

148 63.8 30.9 92.8



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.008 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VD061018.D

Acq: 12 Mar 2019 11:25

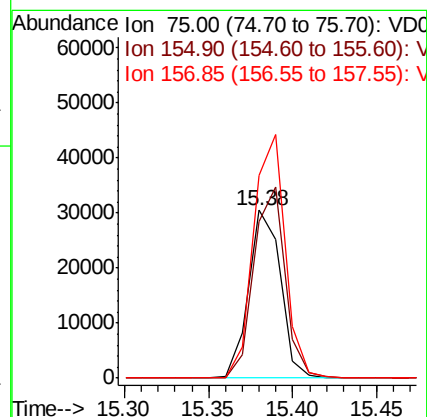
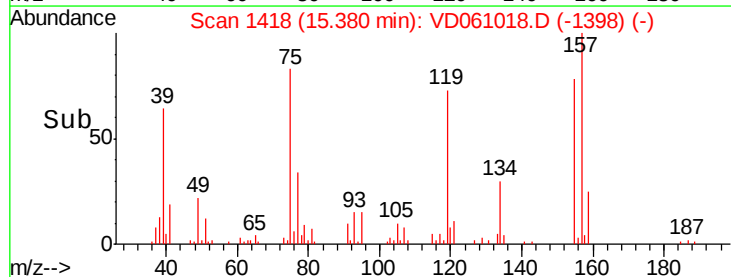
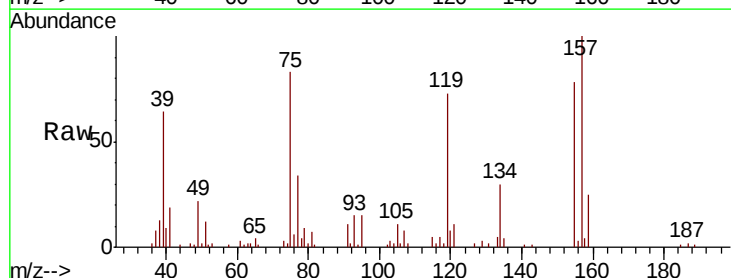
Tgt Ion: 75 Resp: 40074

Ion Ratio Lower Upper

75 100

155 93.4 61.2 183.5

157 120.4 78.3 234.8

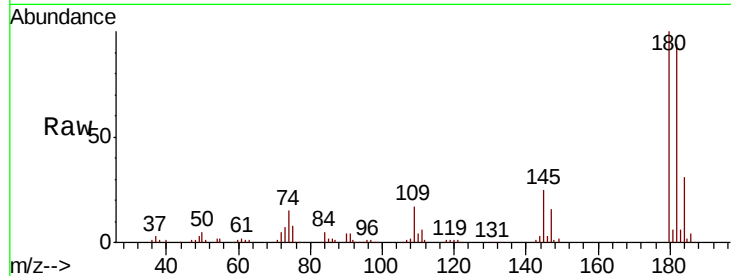




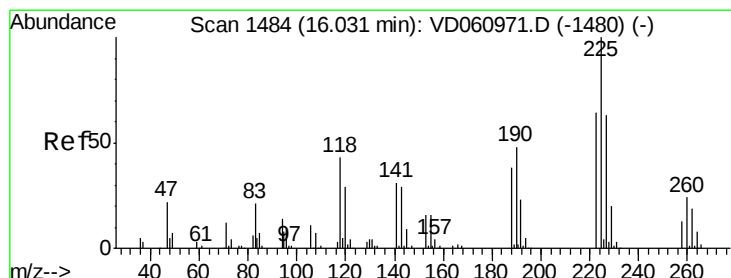
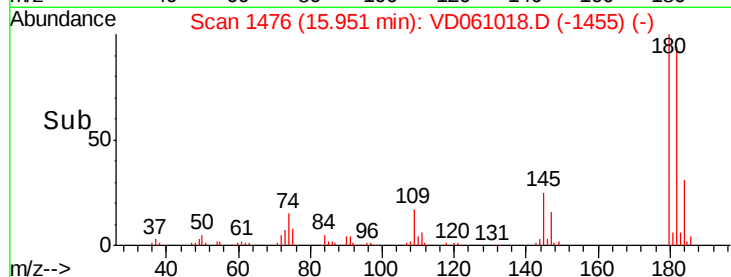
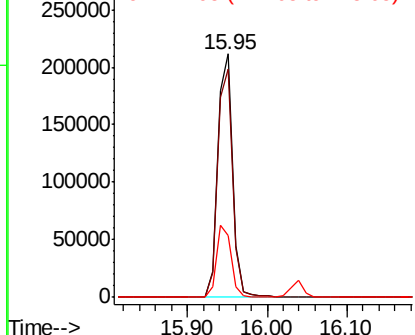
#93
 1,2,4-Trichlorobenzene
 Concen: 47.559 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061018.D
 Acq: 12 Mar 2019 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 280154
 Ion Ratio Lower Upper
 180 100
 182 94.0 47.3 142.0
 145 25.3 14.4 43.0

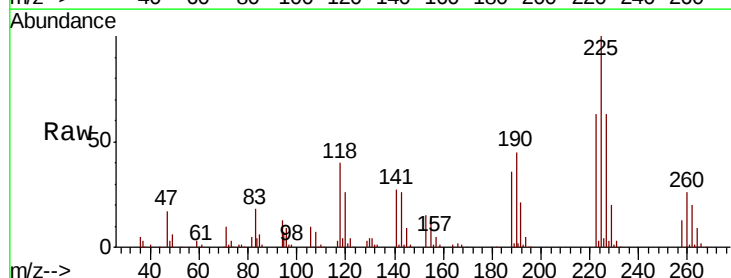


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

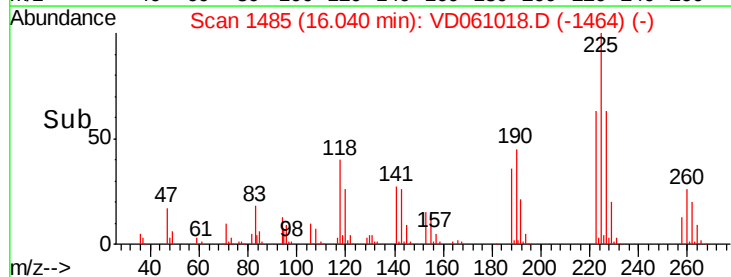
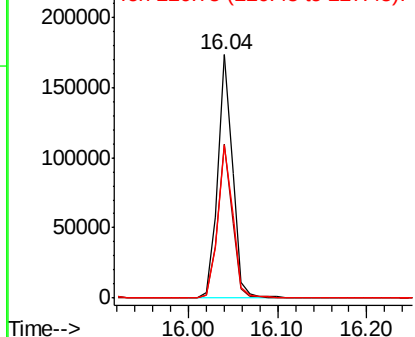


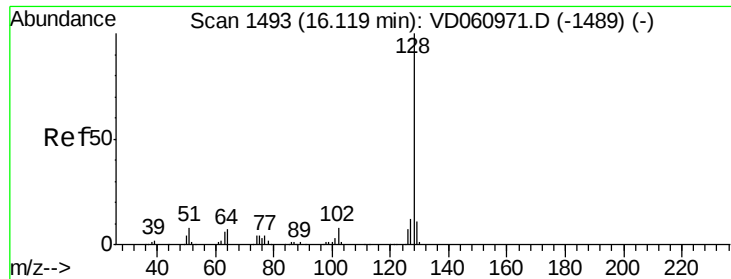
#94
 Hexachlorobutadiene
 Concen: 45.542 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061018.D
 Acq: 12 Mar 2019 11:25

Tgt Ion:225 Resp: 202915
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.8 95.3
 227 62.9 31.4 94.0



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

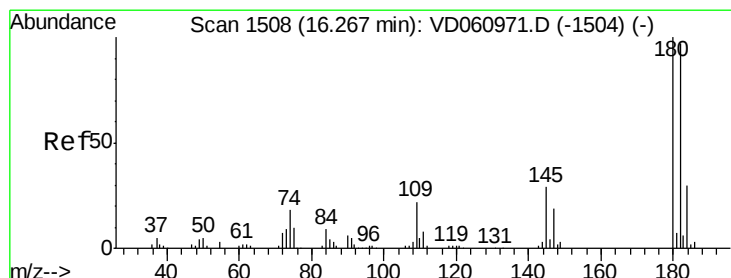
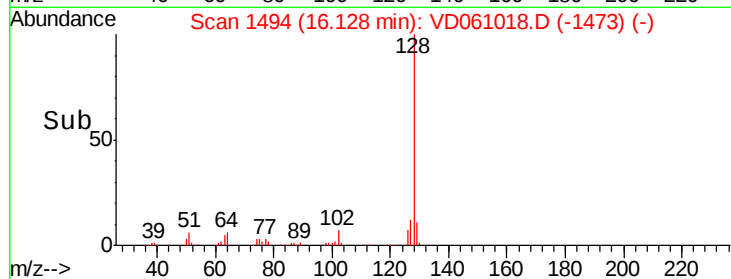
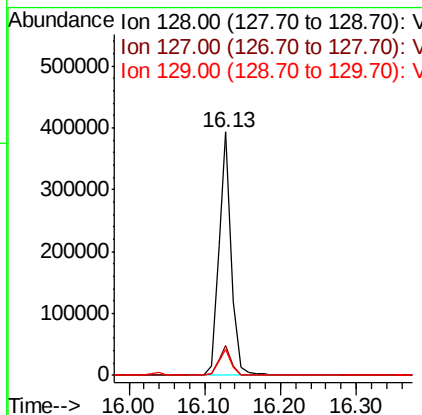
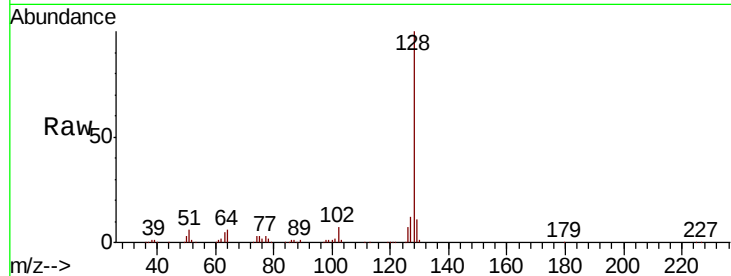




#95
Naphthalene
Concen: 50.912 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061018.D
Acq: 12 Mar 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 455745
Ion Ratio Lower Upper
128 100
127 12.5 9.8 14.8
129 10.6 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 42.644 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061018.D
Acq: 12 Mar 2019 11:25

Tgt Ion:180 Resp: 124069
Ion Ratio Lower Upper
180 100
182 96.2 48.6 145.8
145 29.3 14.3 42.9

