

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
 Data File : VD061674.D
 Acq On : 9 Apr 2019 14:56
 Operator : VA/AP
 Sample : VD0409SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 10 00:52:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	580343	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	901069	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.39	117	790073	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	356015	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	192935	43.86	ug/l	0.02
Spiked Amount			Recovery	=	87.72%	
35) Dibromofluoromethane	6.95	113	268698	43.04	ug/l	0.03
Spiked Amount			Recovery	=	86.08%	
50) Toluene-d8	10.43	98	669281	42.67	ug/l	0.02
Spiked Amount			Recovery	=	85.34%	
62) 4-Bromofluorobenzene	13.57	95	250656	44.41	ug/l	0.01
Spiked Amount			Recovery	=	88.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	114851	18.344	ug/l	98
3) Chloromethane	1.75	50	104536	20.661	ug/l	94
4) Vinyl Chloride	1.85	62	100857	21.333	ug/l	98
5) Bromomethane	2.15	94	20972	19.165	ug/l	93
6) Chloroethane	2.26	64	29257	19.758	ug/l	94
7) Trichlorofluoromethane	2.53	101	141589	19.835	ug/l	97
8) Diethyl Ether	2.88	74	40689	20.311	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.16	101	147903	21.075	ug/l	94
10) Methyl Iodide	3.32	142	165318	18.296	ug/l	98
11) Tert butyl alcohol	4.08	59	33301	112.956	ug/l #	87
12) 1,1-Dichloroethene	3.14	96	129880	21.468	ug/l	93
13) Acrolein	3.04	56	30214	84.058	ug/l	99
14) Allyl chloride	3.64	41	170896	20.711	ug/l	98
15) Acrylonitrile	4.21	53	101717	100.229	ug/l	94
16) Acetone	3.23	43	129104	98.178	ug/l	100
17) Carbon Disulfide	3.39	76	391668	19.924	ug/l	99
18) Methyl Acetate	3.65	43	54960	22.214	ug/l	98
19) Methyl tert-butyl Ether	4.26	73	223883	21.372	ug/l	97
20) Methylene Chloride	3.83	84	150891	20.221	ug/l	97
21) trans-1,2-Dichloroethene	4.24	96	136293	20.742	ug/l	94
22) Diisopropyl ether	5.14	45	364838	21.088	ug/l	98
23) Vinyl Acetate	5.08	43	957308	100.283	ug/l	100
24) 1,1-Dichloroethane	5.00	63	215843	20.360	ug/l	99
25) 2-Butanone	6.09	43	158143	104.318	ug/l	99
26) 2,2-Dichloropropane	6.05	77	189135	21.910	ug/l	94
27) cis-1,2-Dichloroethene	6.06	96	152214	21.714	ug/l	94
28) Bromochloromethane	6.46	49	71149	18.193	ug/l	92
29) Tetrahydrofuran	6.48	42	73551	100.505	ug/l	98
30) Chloroform	6.69	83	227105	20.449	ug/l	99
31) Cyclohexane	6.98	56	156478	18.893	ug/l	98
32) 1,1,1-Trichloroethane	6.89	97	202952	20.853	ug/l	95
36) 1,1-Dichloropropene	7.17	75	191302	24.258	ug/l	96
37) Ethyl Acetate	6.20	43	73318	22.826	ug/l	94
38) Carbon Tetrachloride	7.14	117	218962	23.691	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	176423	21.791	ug/l	97
40) Benzene	7.47	78	445830	23.434	ug/l	97
41) Methacrylonitrile	6.47	41	86882	23.171	ug/l #	94
42) 1,2-Dichloroethane	7.60	62	140743	23.523	ug/l	98
43) Isopropyl Acetate	9.26	43	102306	21.946	ug/l #	93
44) Trichloroethene	8.57	130	162599	22.294	ug/l	98
45) 1,2-Dichloropropane	8.96	63	103350	21.905	ug/l	99
46) Dibromomethane	9.09	93	73278	21.731	ug/l	99
47) Bromodichloromethane	9.39	83	172836	23.338	ug/l	98
48) Methyl methacrylate	9.14	41	58882	21.912	ug/l #	86
49) 1,4-Dioxane	9.11	88	14385	484.988	ug/l	95
51) 4-Methyl-2-Pentanone	10.32	43	330227	119.782	ug/l	99
52) Toluene	10.54	92	275969	23.230	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	144693	22.289	ug/l	96
54) cis-1,3-Dichloropropene	10.06	75	186234	23.272	ug/l	97
55) 1,1,2-Trichloroethane	11.21	97	92248	23.023	ug/l	97
56) Ethyl methacrylate	11.07	69	100550	23.788	ug/l	98
57) 1,3-Dichloropropane	11.43	76	142116	24.220	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.88	63	222310	111.466	ug/l	99
59) 2-Hexanone	11.55	43	243949	114.018	ug/l	99
60) Dibromochloromethane	11.71	129	153287	24.215	ug/l	99
61) 1,2-Dibromoethane	11.83	107	109457	23.359	ug/l	98
64) Tetrachloroethene	11.28	164	128999	21.034	ug/l	96
65) Chlorobenzene	12.42	112	347197	22.160	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	141687	23.500	ug/l	95
67) Ethyl Benzene	12.53	91	552952	23.176	ug/l	100
68) m/p-Xylenes	12.68	106	428316	46.565	ug/l	93
69) o-Xylene	13.07	106	175566	19.773	ug/l	96
70) Styrene	13.09	104	314493	20.740	ug/l	99
71) Bromoform	13.25	173	82239	21.984	ug/l	99
73) Isopropylbenzene	13.42	105	565814	23.852	ug/l	97
74) N-amyl acetate	13.28	43	133424	20.701	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.72	83	96951	19.766	ug/l	98
76) 1,2,3-Trichloropropane	13.75	75	108701	22.442	ug/l	99
77) Bromobenzene	13.69	156	150455	21.851	ug/l	82
78) n-propylbenzene	13.78	91	627931	22.129	ug/l	99
79) 2-Chlorotoluene	13.85	91	379589	23.393	ug/l	93
80) 1,3,5-Trimethylbenzene	13.94	105	435271	23.118	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.49	75	32025	21.789	ug/l	95
82) 4-Chlorotoluene	13.96	91	410633	23.094	ug/l	97
83) tert-Butylbenzene	14.21	119	495612	21.832	ug/l	94
84) 1,2,4-Trimethylbenzene	14.25	105	438691	23.086	ug/l	99
85) sec-Butylbenzene	14.39	105	536455	21.872	ug/l	96
86) p-Isopropyltoluene	14.50	119	461389	21.685	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	254567	21.482	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	267127	22.341	ug/l	98
89) n-Butylbenzene	14.81	91	435904	23.570	ug/l	99
90) Hexachloroethane	15.03	117	126804	21.964	ug/l	65
91) 1,2-Dichlorobenzene	14.82	146	234207	23.981	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.40	75	12951	21.881	ug/l	52

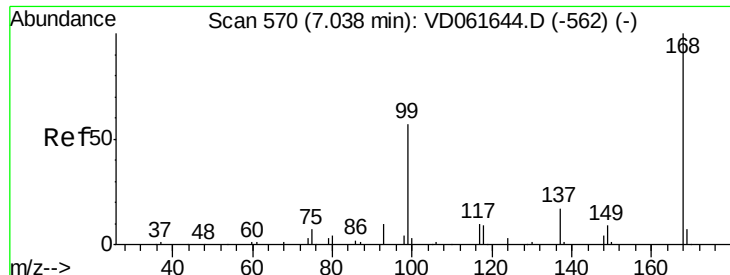
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
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Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	119819	24.081	ug/l	99
94) Hexachlorobutadiene	16.05	225	88938	23.148	ug/l	99
95) Naphthalene	16.14	128	186532	23.692	ug/l	100
96) 1,2,3-Trichlorobenzene	16.29	180	76027	30.615	ug/l	94

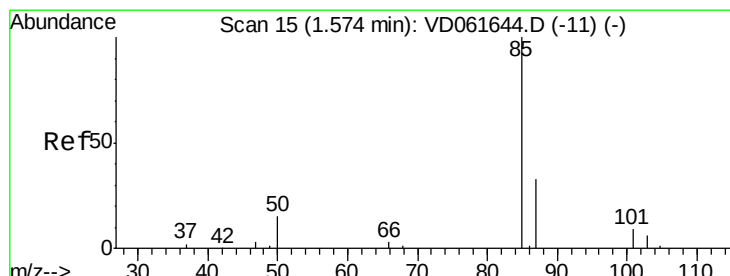
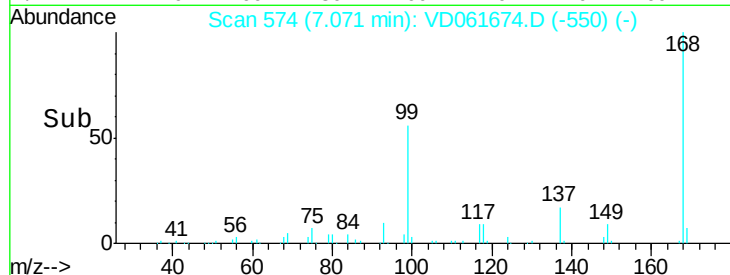
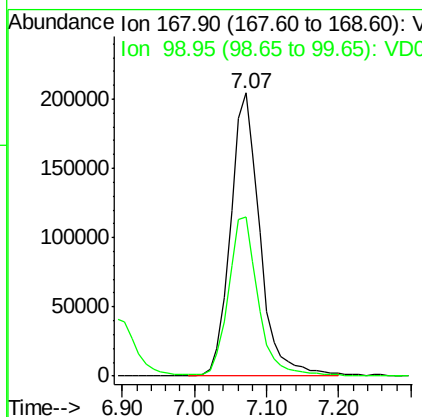
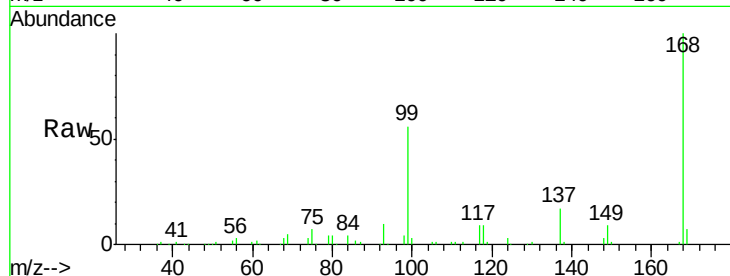
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.07 min Scan# 574
Delta R.T. 0.03 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

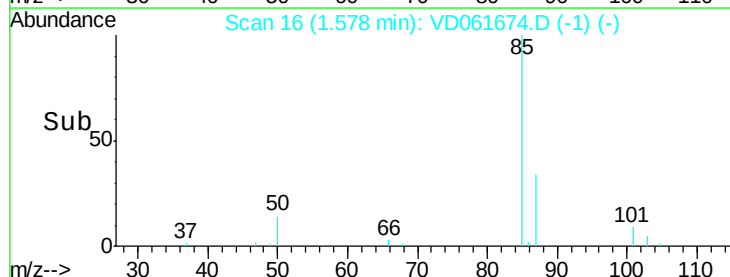
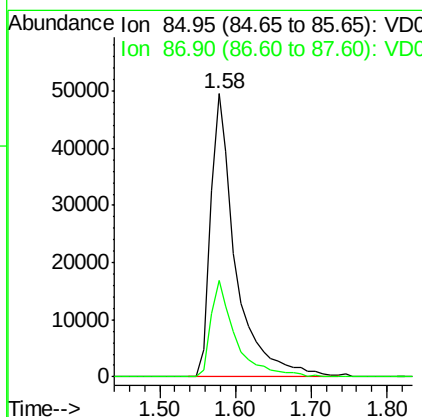
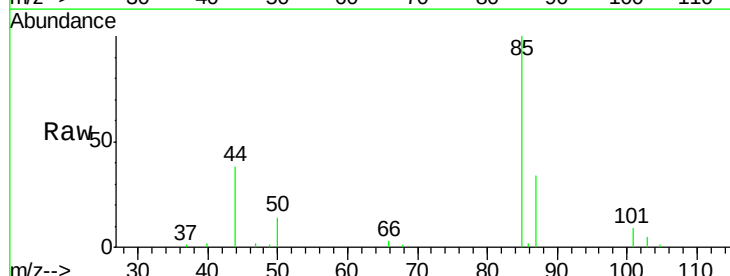
Instrument :
MSVOA_D
ClientSampleId :

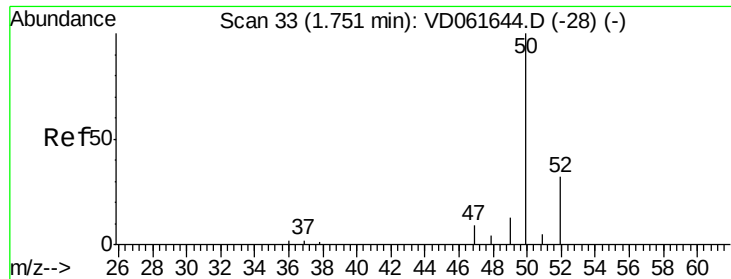
Tot Ion:168 Resp: 580343
Ion Ratio Lower Upper
168 100
99 56.1 46.8 70.2



#2
Dichlorodifluoromethane
Concen: 18.344 ug/l
RT: 1.58 min Scan# 16
Delta R.T. 0.00 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

Tgt Ion: 85 Resp: 114851
Ion Ratio Lower Upper
85 100
87 34.2 16.6 49.8





#3

Chloromethane

Concen: 20.661 ug/l

RT: 1.75 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

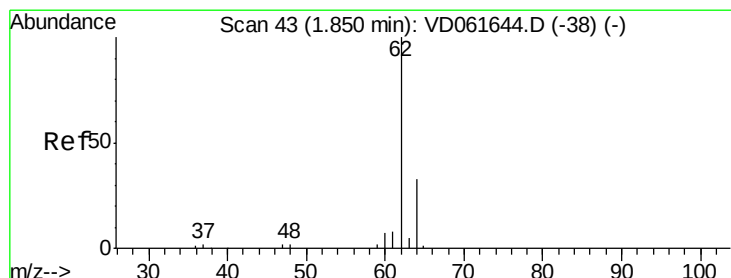
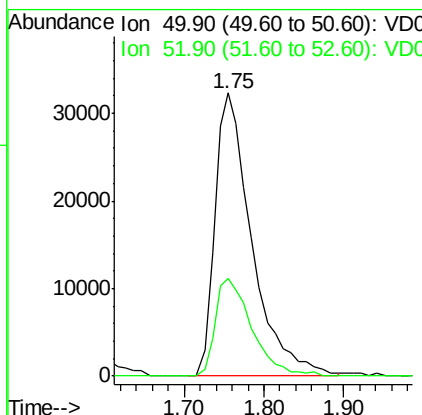
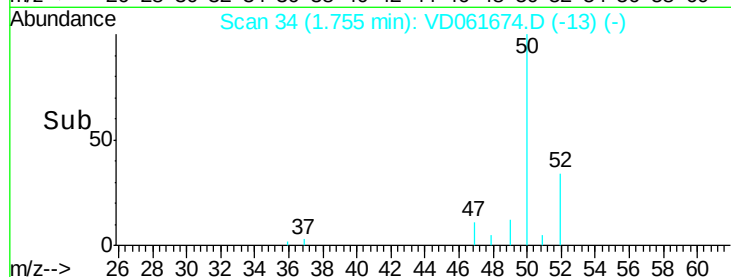
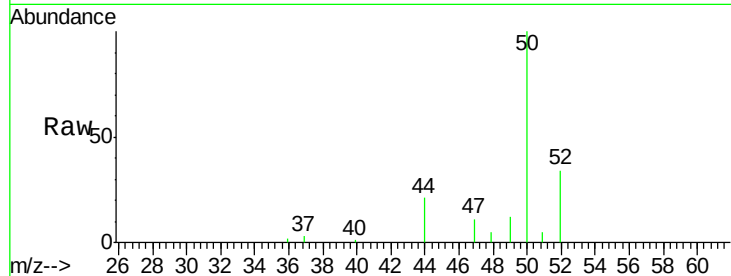
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 50 Resp: 104536

Ion Ratio Lower Upper

50 100

52 34.5 25.1 37.7



#4

Vinyl Chloride

Concen: 21.333 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD061674.D

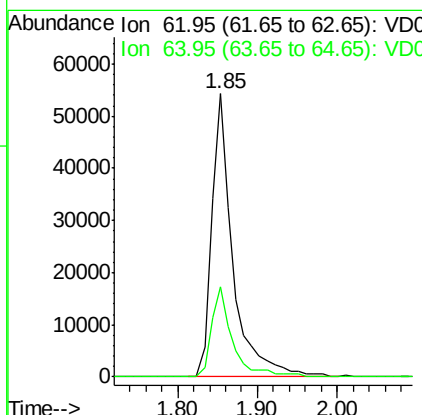
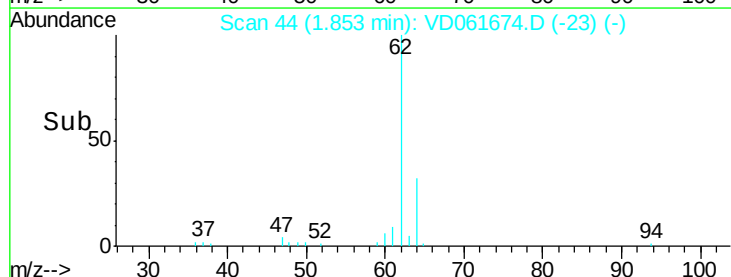
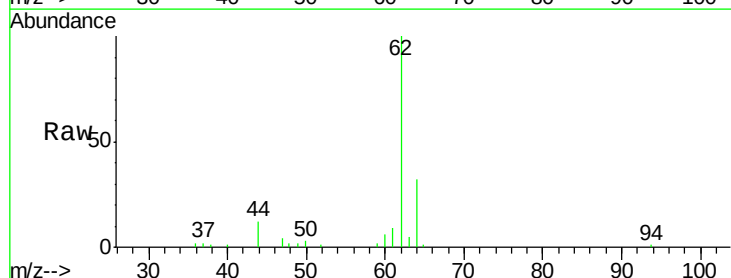
Acq: 9 Apr 2019 14:56

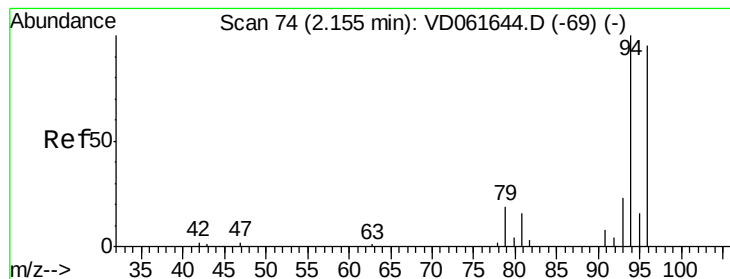
Tgt Ion: 62 Resp: 100857

Ion Ratio Lower Upper

62 100

64 31.8 26.2 39.2





#5

Bromomethane

Concen: 19.165 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

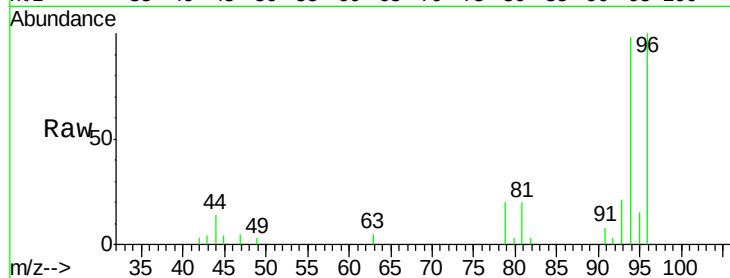
Tot Ion: 94 Resp: 20972

Ion Ratio Lower Upper

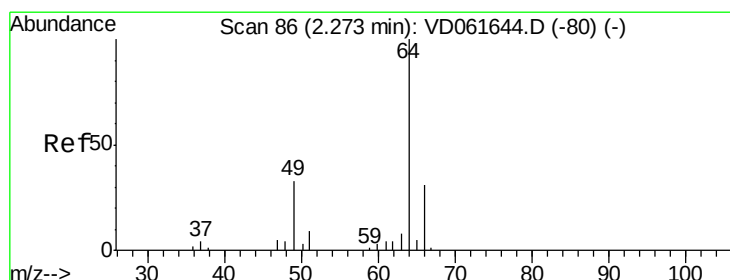
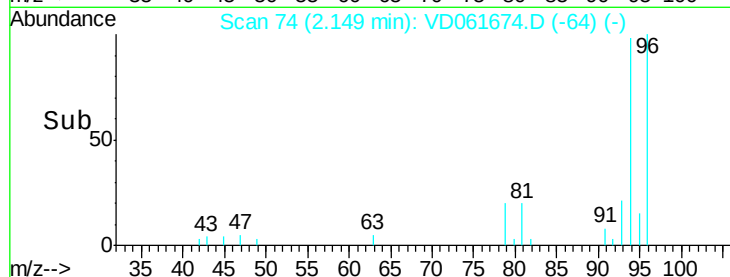
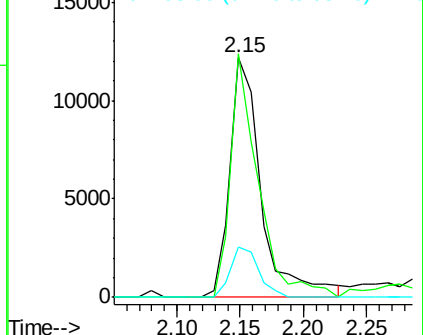
94 100

96 101.8 75.8 113.8

93 21.1 18.6 28.0



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: 19.758 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD061674.D

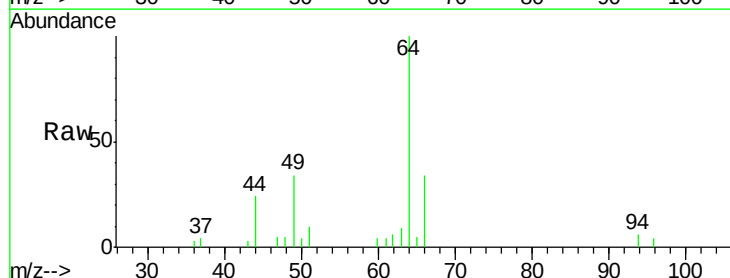
Acq: 9 Apr 2019 14:56

Tgt Ion: 64 Resp: 29257

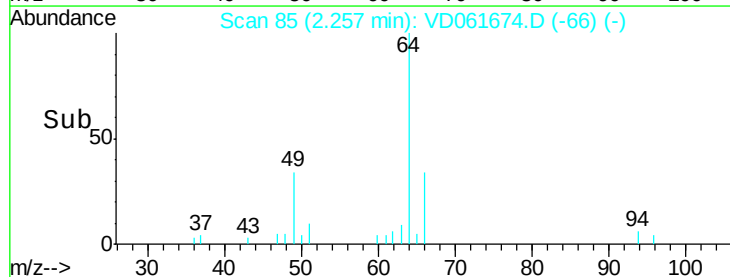
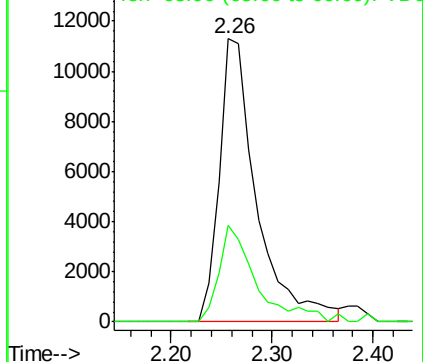
Ion Ratio Lower Upper

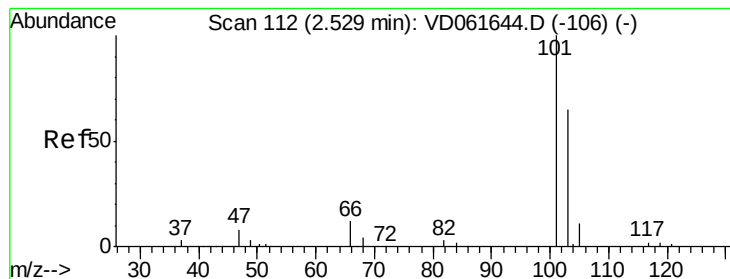
64 100

66 34.3 24.9 37.3



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



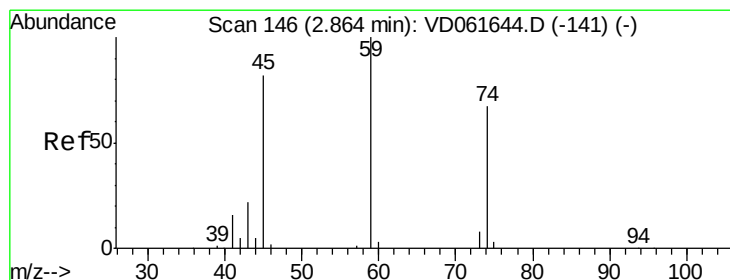
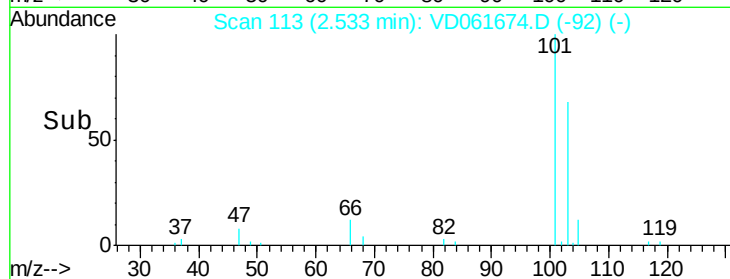
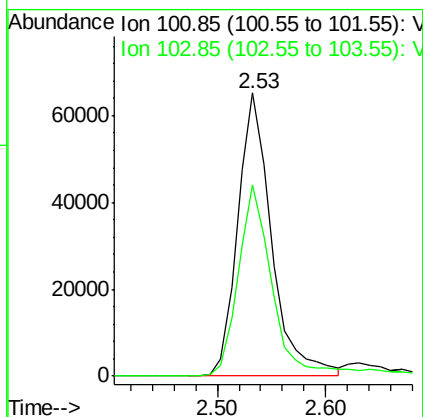
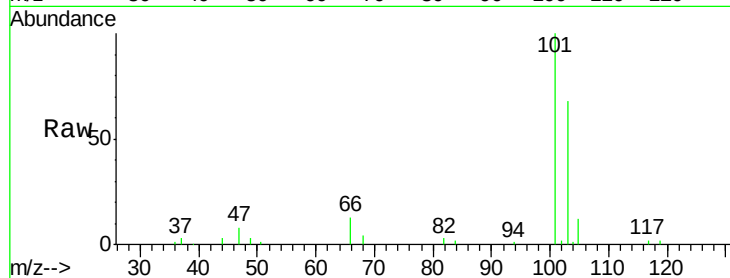


#7

Trichlorofluoromethane
 Concen: 19.835 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. 0.00 min
 Lab File: VD061674.D
 Acq: 9 Apr 2019 14:56

Instrument :
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 ClientSampleId :

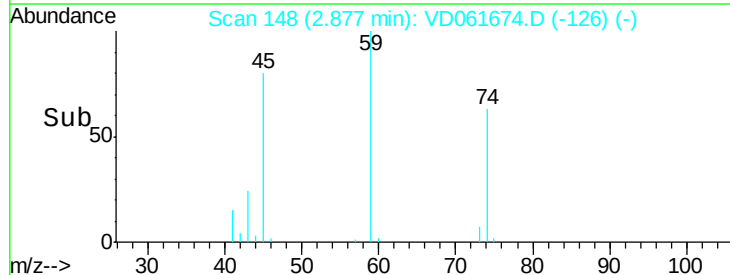
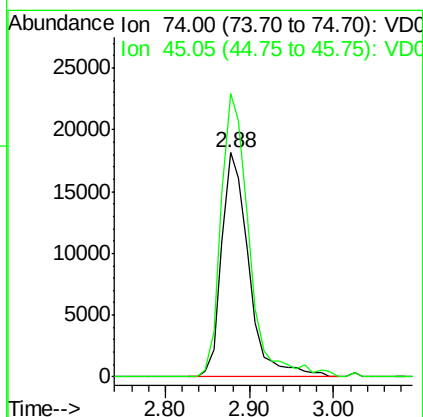
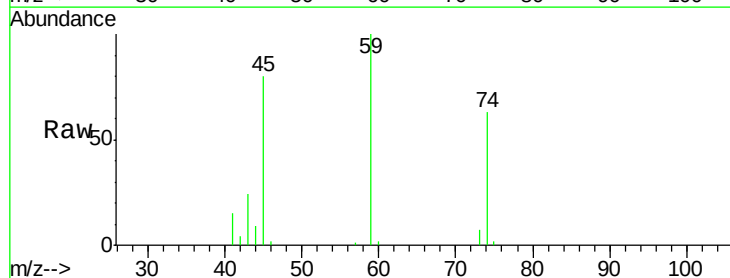
Tot Ion:101 Resp: 141589
 Ion Ratio Lower Upper
 101 100
 103 67.7 52.0 78.0

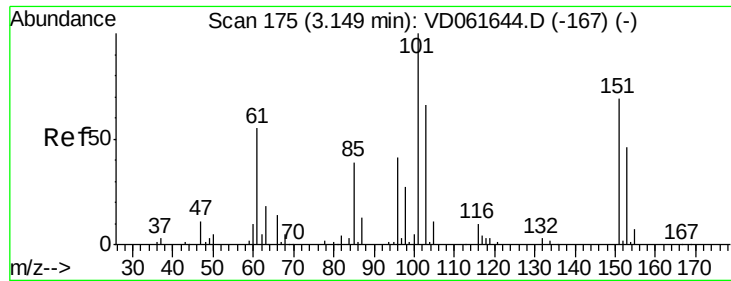


#8

Diethyl Ether
 Concen: 20.311 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD061674.D
 Acq: 9 Apr 2019 14:56

Tgt Ion: 74 Resp: 40689
 Ion Ratio Lower Upper
 74 100
 45 126.4 61.0 183.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.075 ug/l

RT: 3.16 min Scan# 177

Delta R.T. 0.01 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

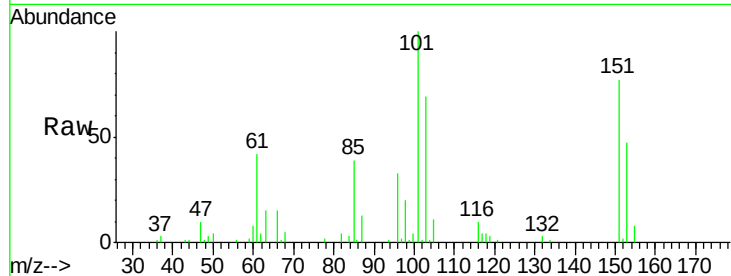
Tot Ion:101 Resp: 147903

Ion Ratio Lower Upper

101 100

85 39.0 31.0 46.6

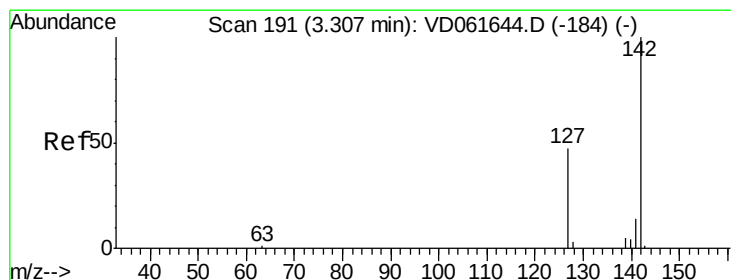
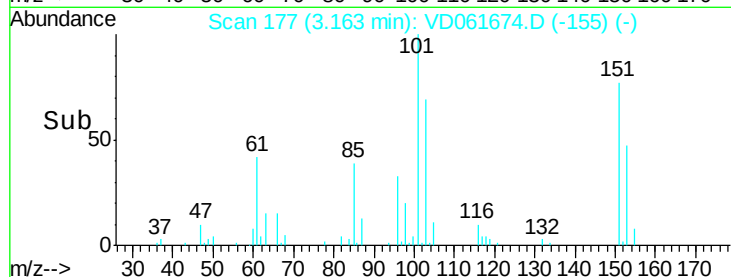
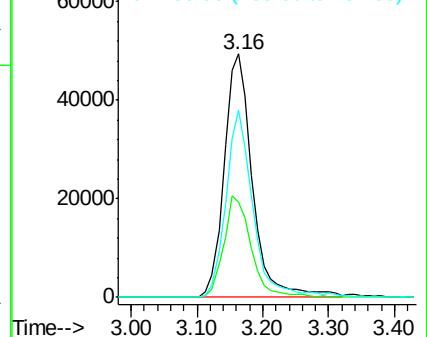
151 77.1 55.3 82.9



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: 18.296 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.01 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

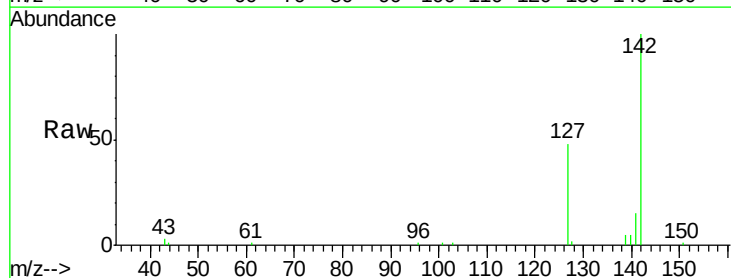
Tgt Ion:142 Resp: 165318

Ion Ratio Lower Upper

142 100

127 47.7 37.2 55.8

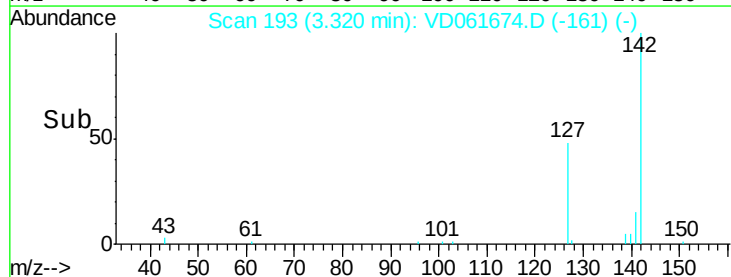
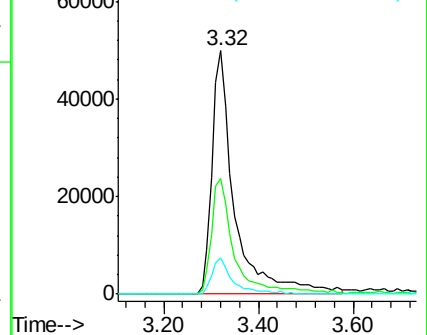
141 14.7 10.8 16.2

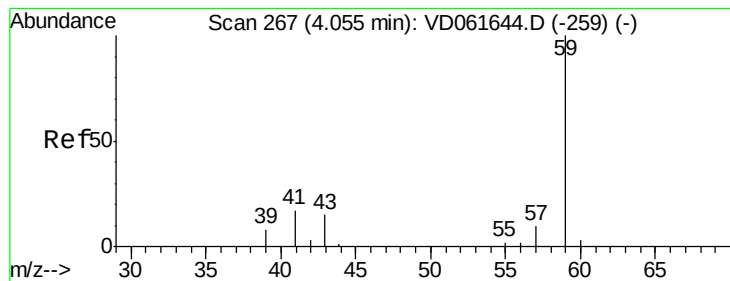


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



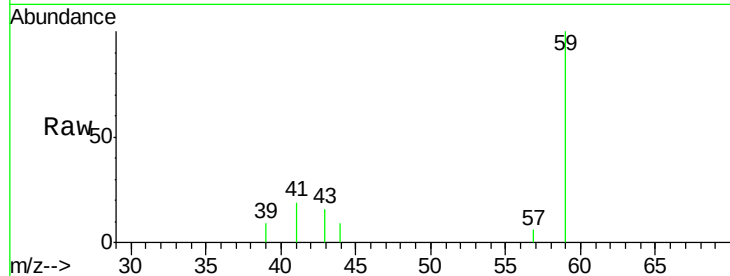


#11

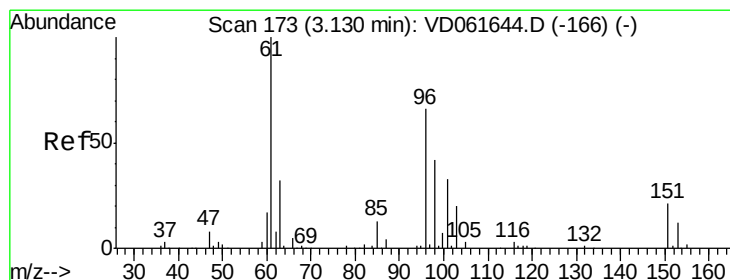
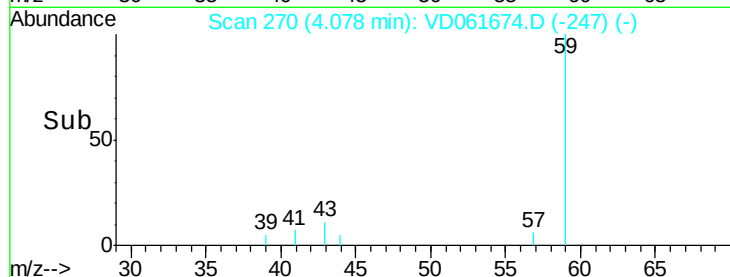
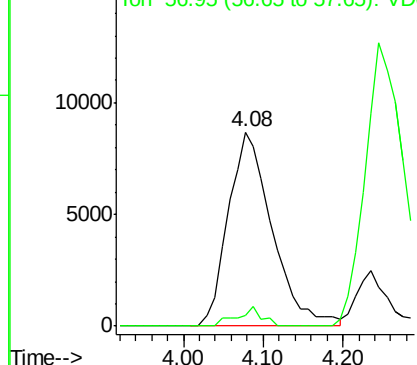
Tert butyl alcohol
Concen: 112.956 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.02 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 59 Resp: 33301
Ion Ratio Lower Upper
59 100
57 5.8 8.4 12.6#



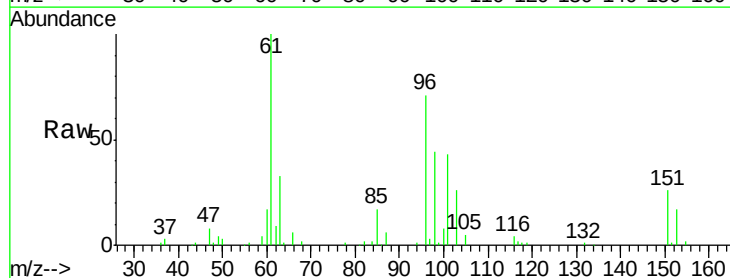
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



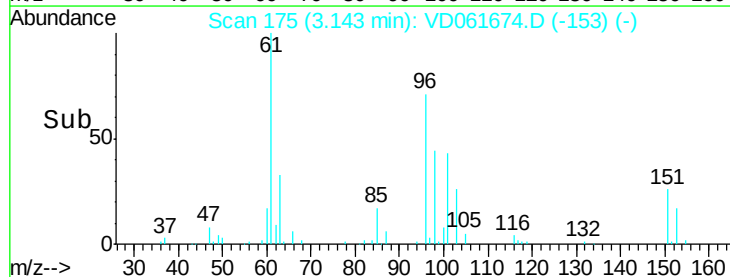
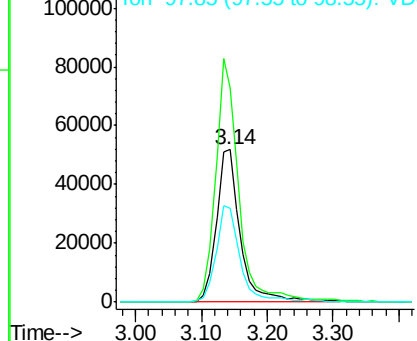
#12

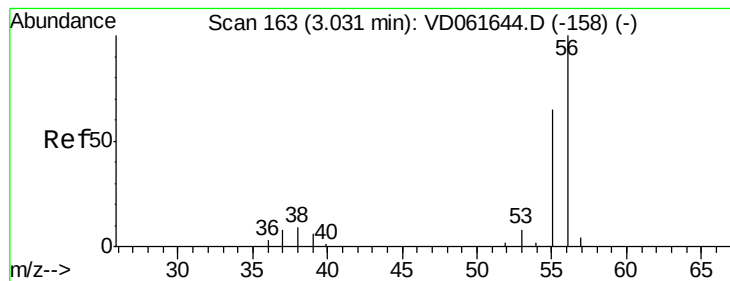
1,1-Dichloroethene
Concen: 21.468 ug/l
RT: 3.14 min Scan# 175
Delta R.T. 0.01 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

Tgt Ion: 96 Resp: 129880
Ion Ratio Lower Upper
96 100
61 140.5 121.3 181.9
98 61.3 50.6 76.0



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





#13

Acrolein

Concen: 84.058 ug/l

RT: 3.04 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

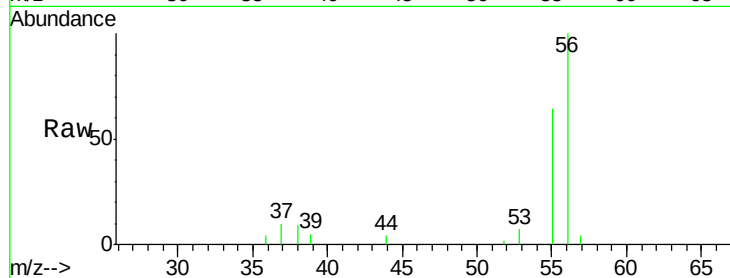
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 30214

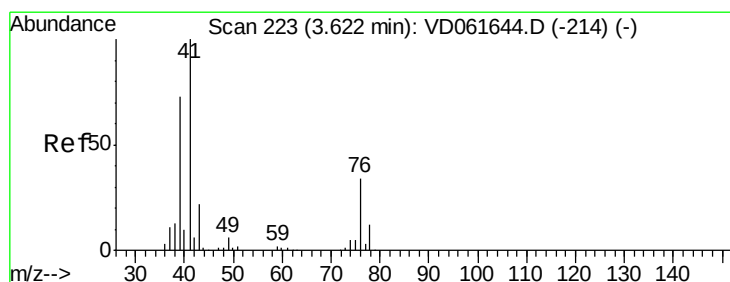
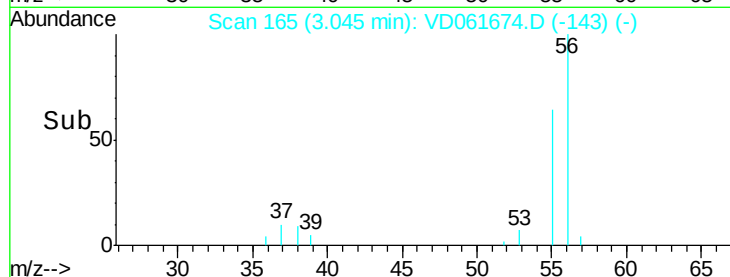
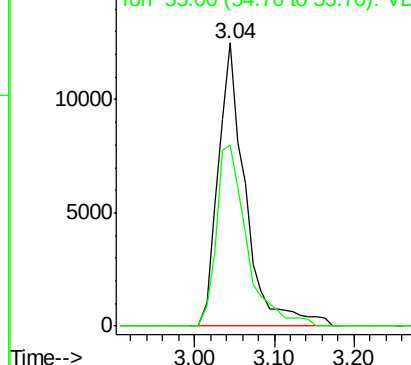
Ion Ratio Lower Upper

56 100

55 63.9 51.8 77.6



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.711 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

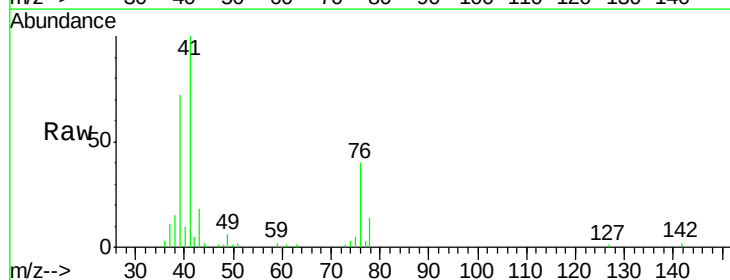
Tgt Ion: 41 Resp: 170896

Ion Ratio Lower Upper

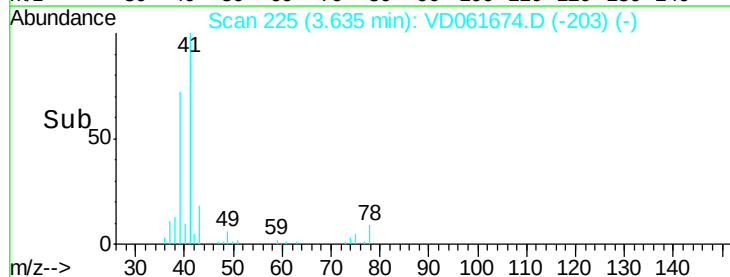
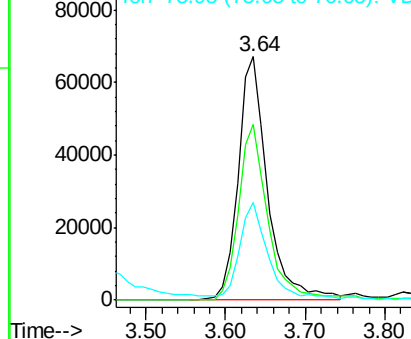
41 100

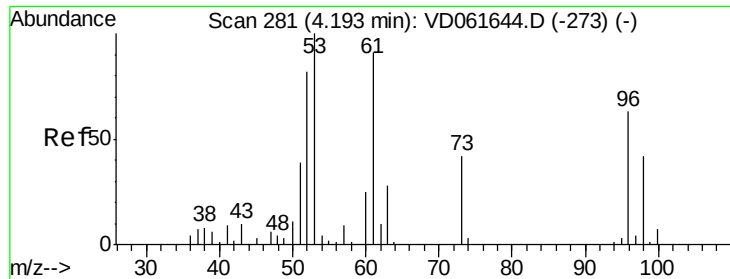
39 72.3 58.2 87.4

76 40.1 29.8 44.6



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: 100.229 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

Instrument :
MSVOA_D
ClientSampleId :

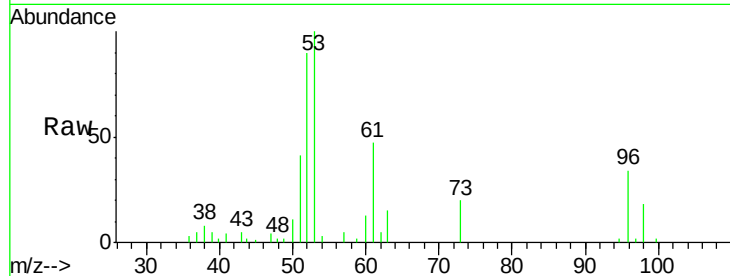
Tot Ion: 53 Resp: 101717

Ion Ratio Lower Upper

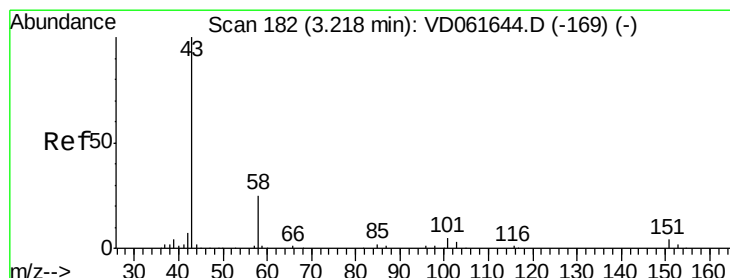
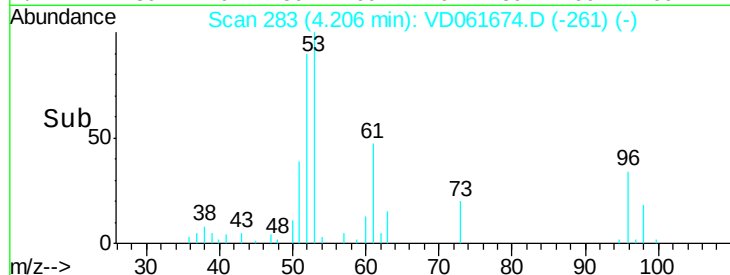
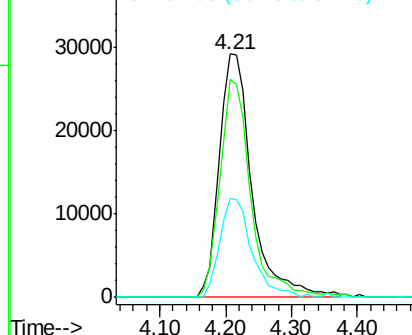
53 100

52 89.6 65.9 98.9

51 40.6 31.4 47.2



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



#16

Acetone

Concen: 98.178 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD061674.D

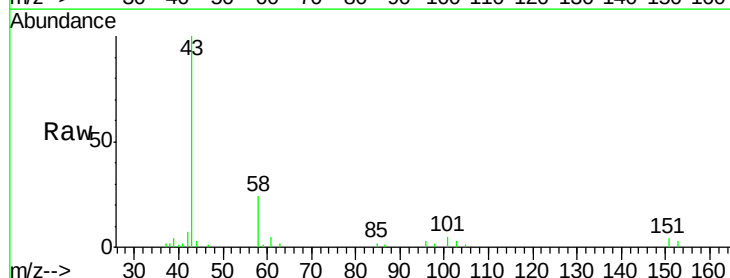
Acq: 9 Apr 2019 14:56

Tgt Ion: 43 Resp: 129104

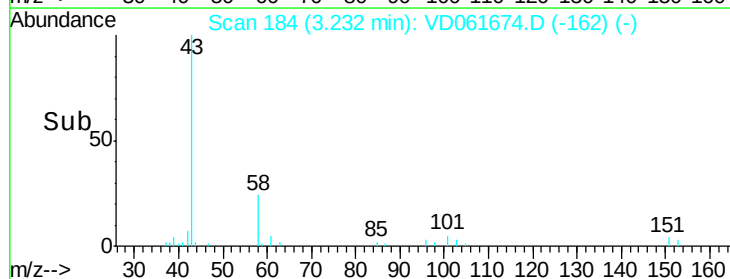
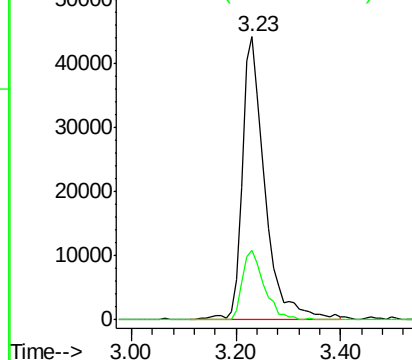
Ion Ratio Lower Upper

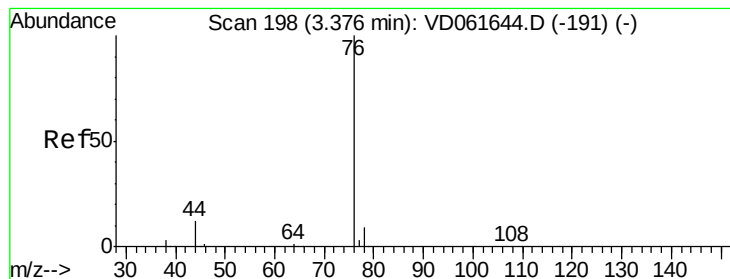
43 100

58 24.5 19.7 29.5



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





#17

Carbon Disulfide

Concen: 19.924 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.01 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

Instrument :

MSVOA_D

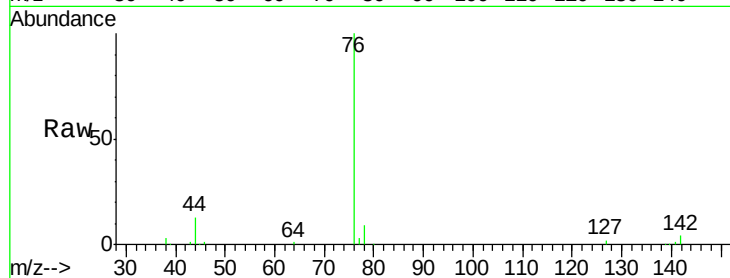
ClientSampleId :

Tot Ion: 76 Resp: 391668

Ion Ratio Lower Upper

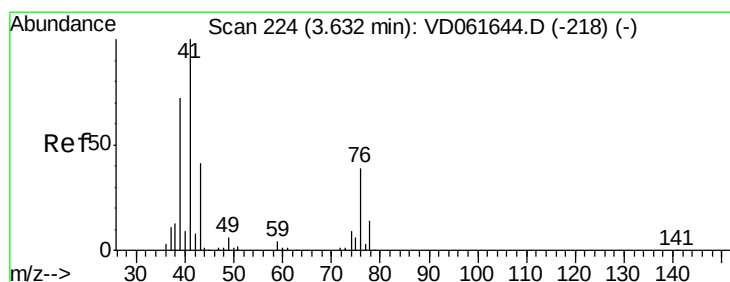
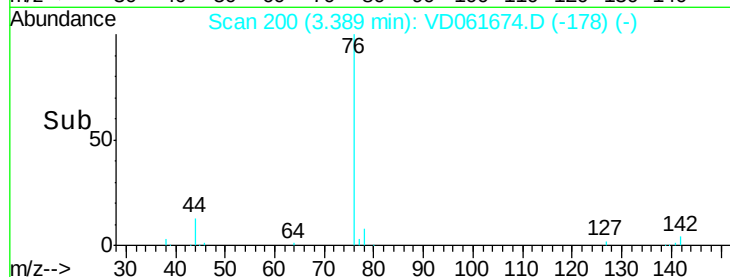
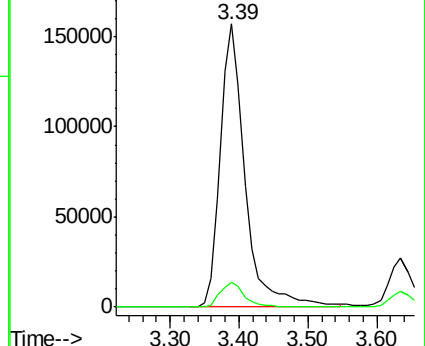
76 100

78 8.9 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 22.214 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD061674.D

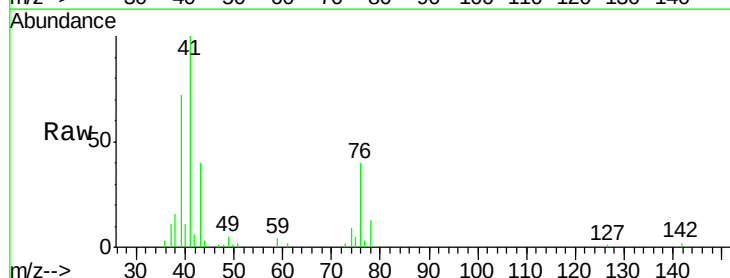
Acq: 9 Apr 2019 14:56

Tgt Ion: 43 Resp: 54960

Ion Ratio Lower Upper

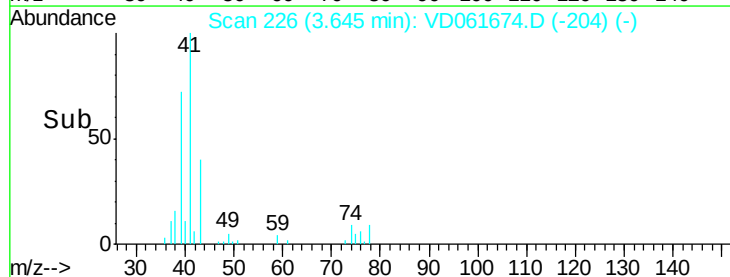
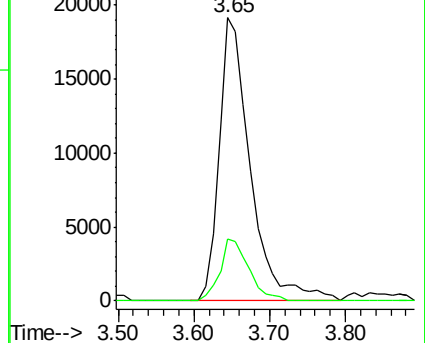
43 100

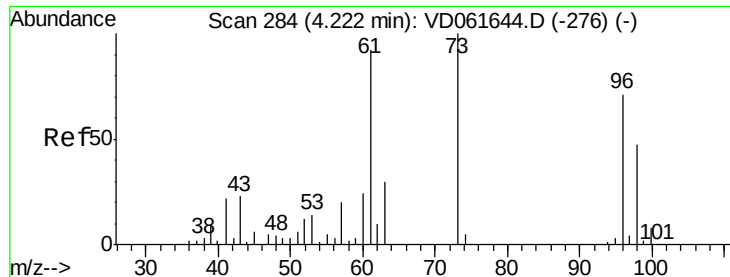
74 21.8 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

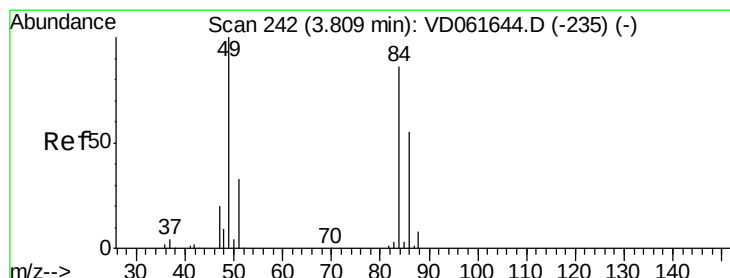
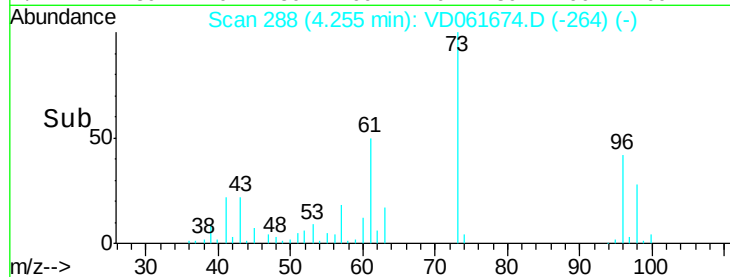
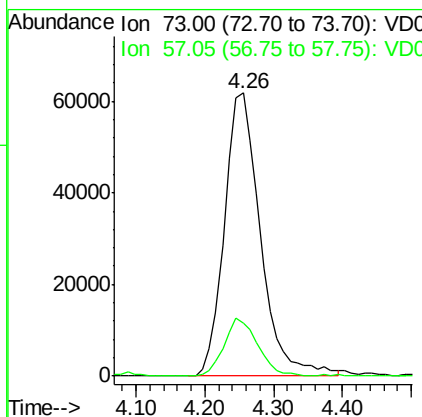
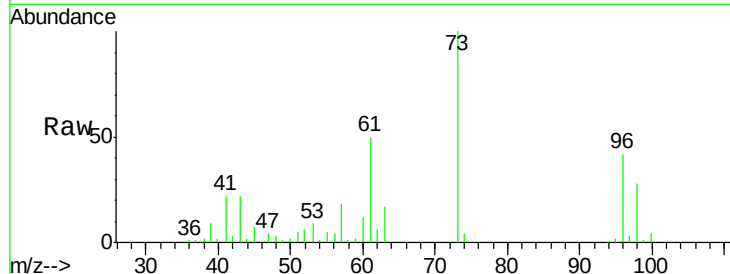




#19
Methyl tert-butyl Ether
Concen: 21.372 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.03 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

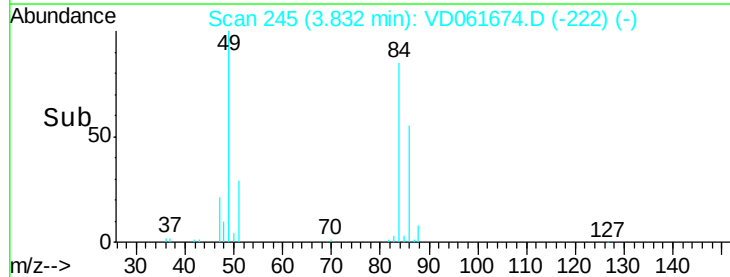
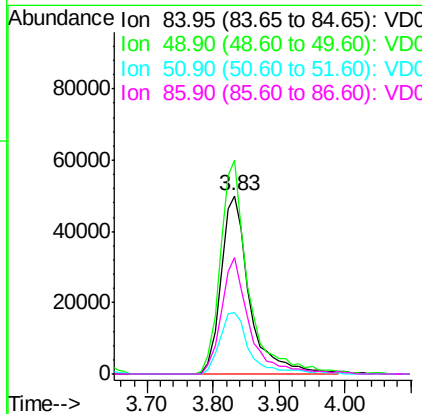
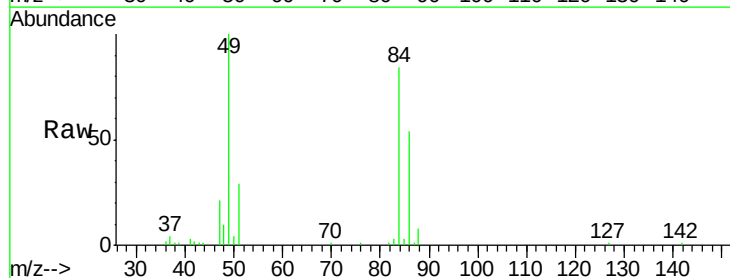
Instrument :
MSVOA_D
ClientSampleId :

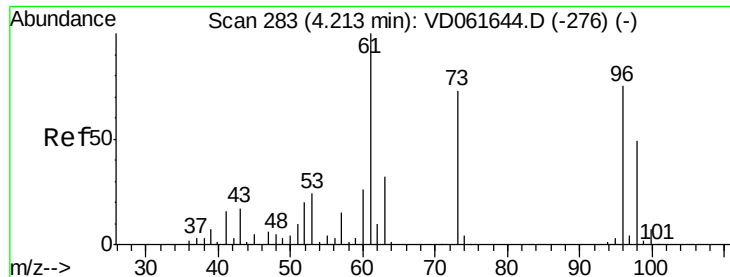
Tot Ion: 73 Resp: 223883
Ion Ratio Lower Upper
73 100
57 18.5 16.0 24.0



#20
Methylene Chloride
Concen: 20.221 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.02 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

Tgt Ion: 84 Resp: 150891
Ion Ratio Lower Upper
84 100
49 119.6 93.0 139.4
51 34.4 30.4 45.6
86 65.0 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 20.742 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.02 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

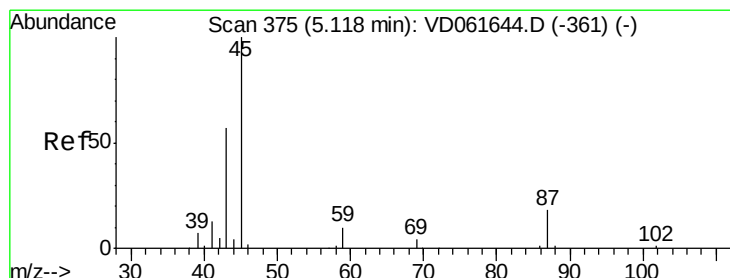
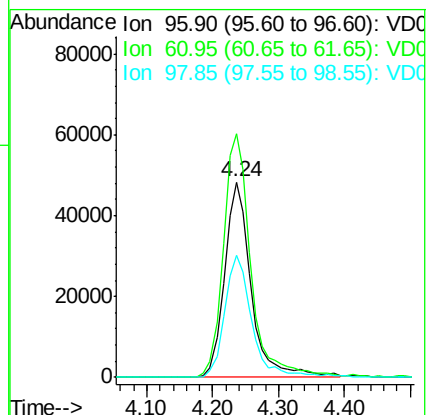
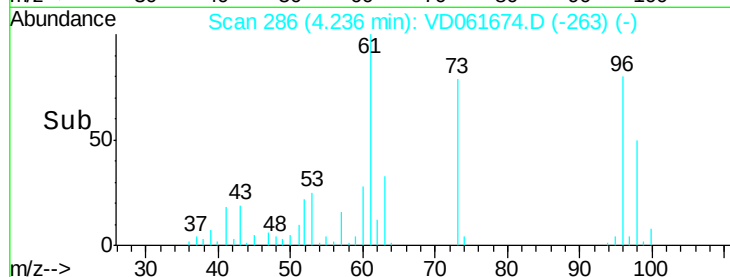
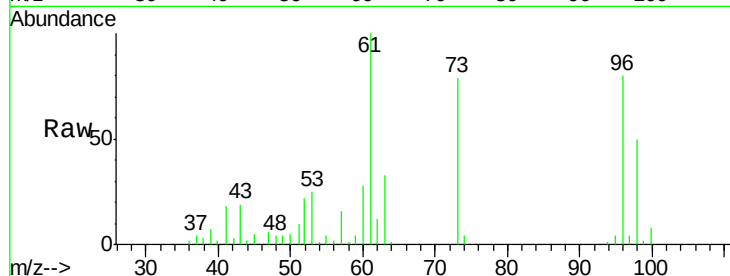
Tot Ion: 96 Resp: 136293

Ion Ratio Lower Upper

96 100

61 124.7 106.8 160.2

98 62.5 52.2 78.2



#22

Diisopropyl ether

Concen: 21.088 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.02 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

Tgt Ion: 45 Resp: 364838

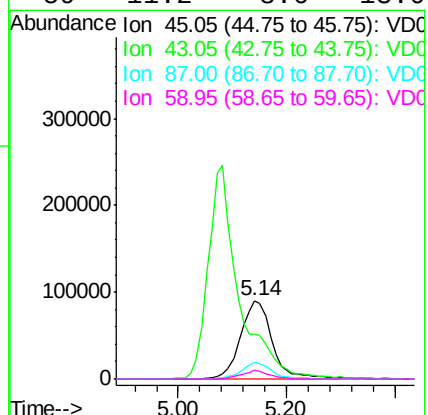
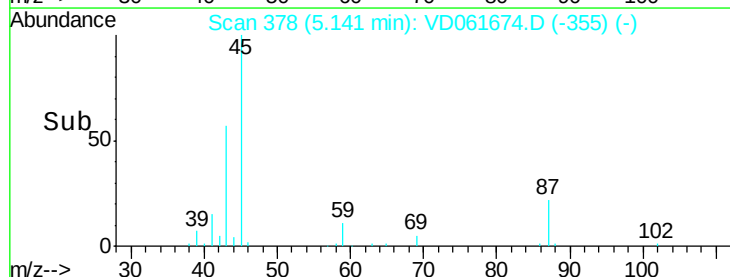
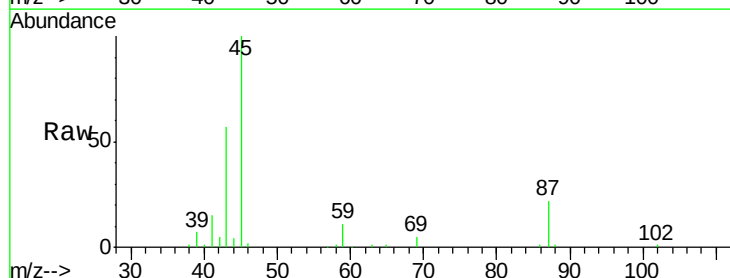
Ion Ratio Lower Upper

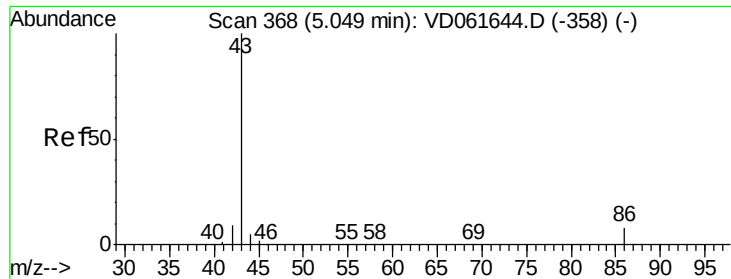
45 100

43 57.2 46.6 70.0

87 21.6 15.6 23.4

59 11.2 8.6 13.0





#23

Vinyl Acetate

Concen: 100.283 ug/l

RT: 5.08 min Scan# 372

Delta R.T. 0.03 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

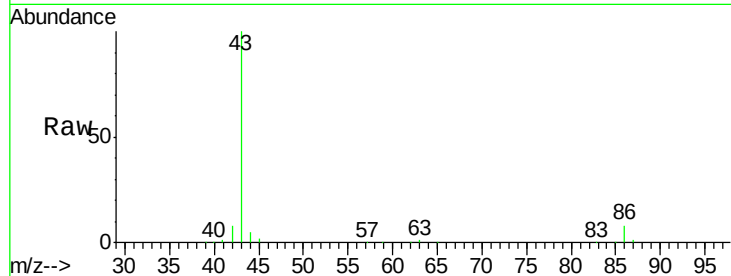
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 957308

Ion Ratio Lower Upper

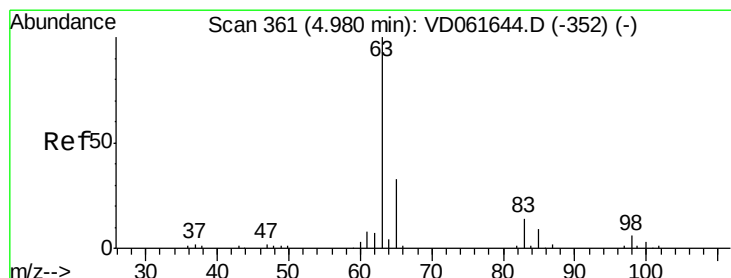
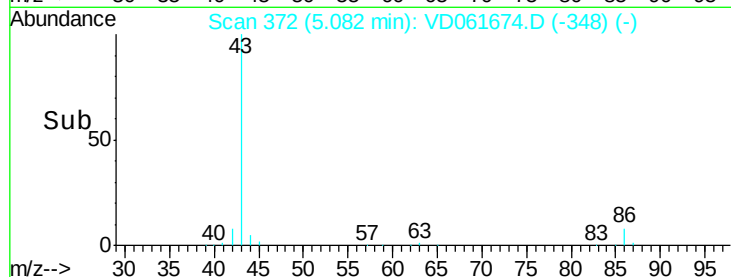
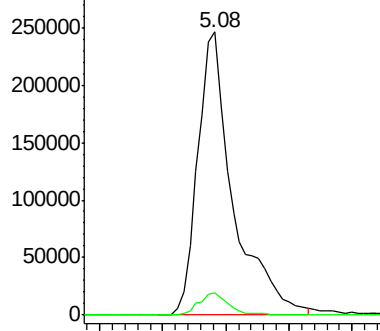
43 100

86 7.9 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.360 ug/l

RT: 5.00 min Scan# 364

Delta R.T. 0.02 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

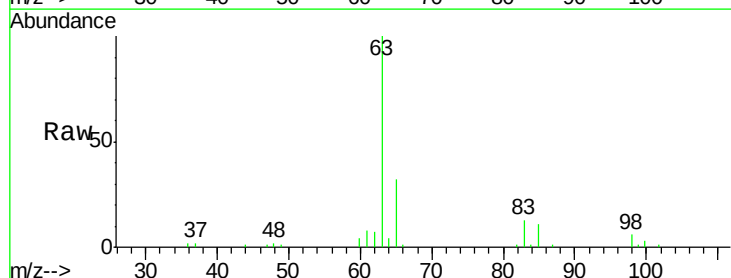
Tgt Ion: 63 Resp: 215843

Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.6

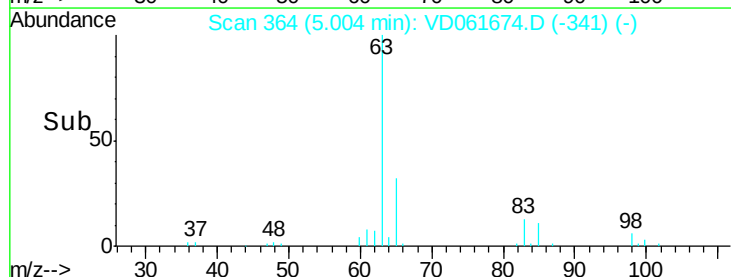
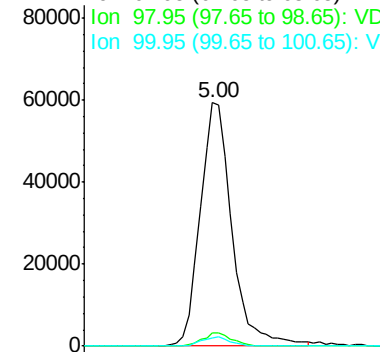
100 3.1 1.7 5.1

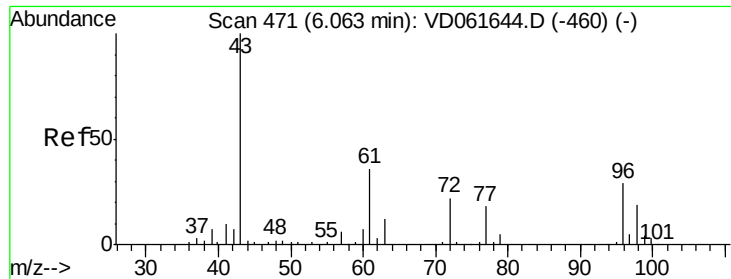


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 104.318 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.02 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

Instrument :

MSVOA_D

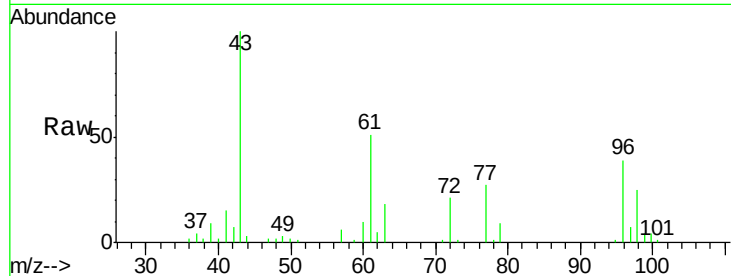
ClientSampleId :

Tot Ion: 43 Resp: 158143

Ion Ratio Lower Upper

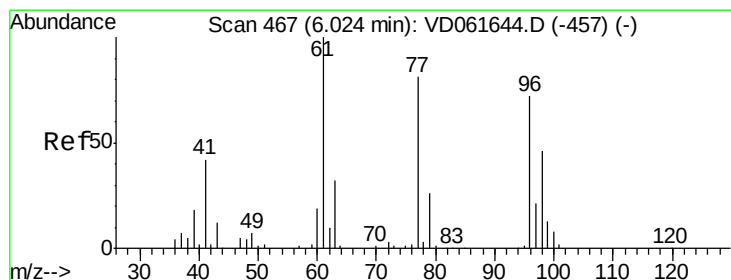
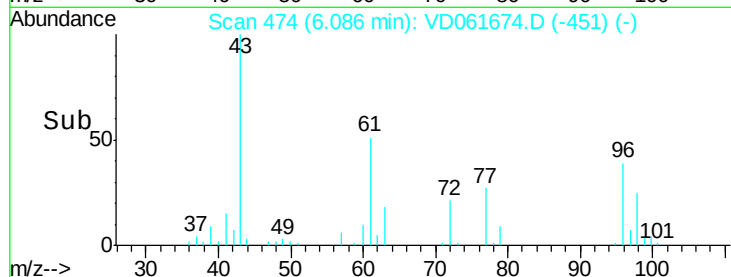
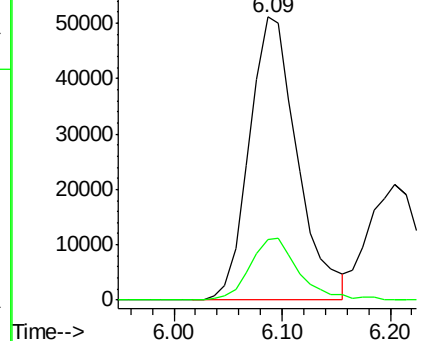
43 100

72 21.3 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.910 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.02 min

Lab File: VD061674.D

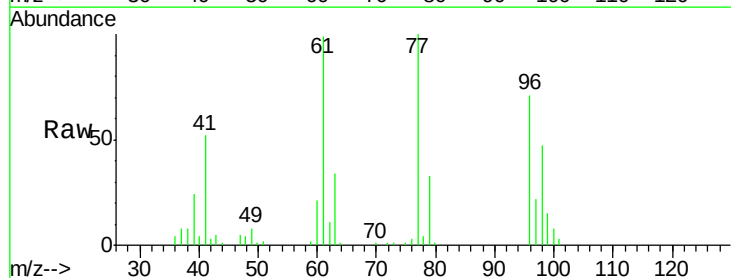
Acq: 9 Apr 2019 14:56

Tgt Ion: 77 Resp: 189135

Ion Ratio Lower Upper

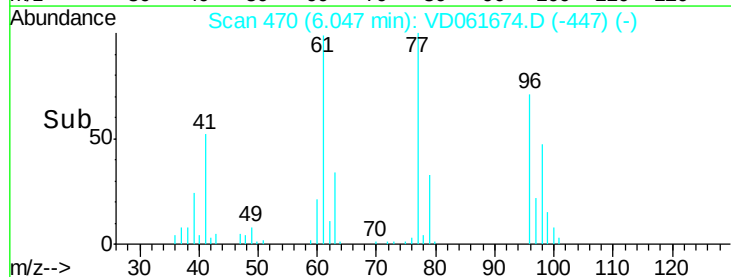
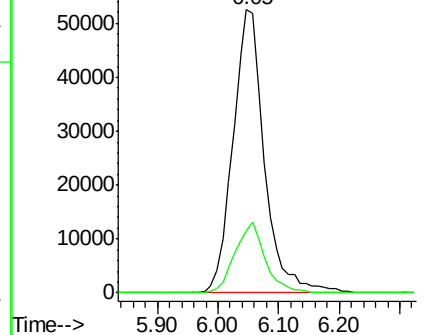
77 100

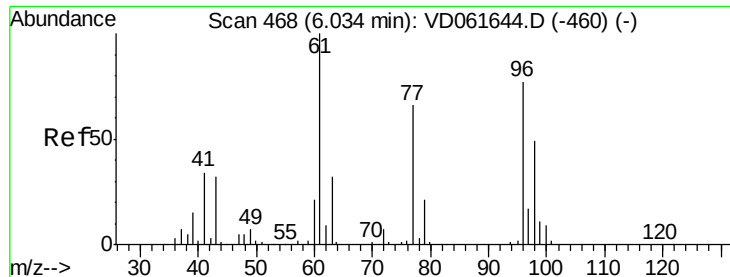
97 22.0 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



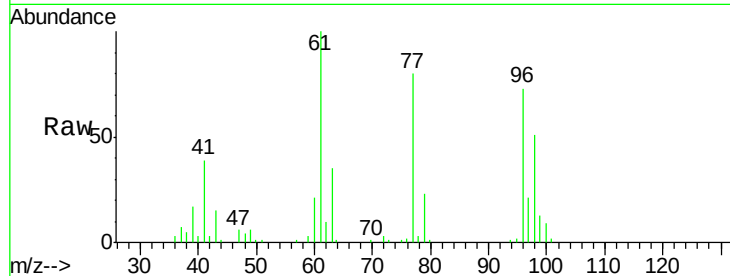


#27

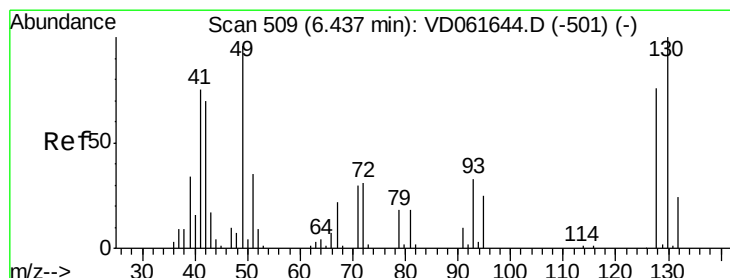
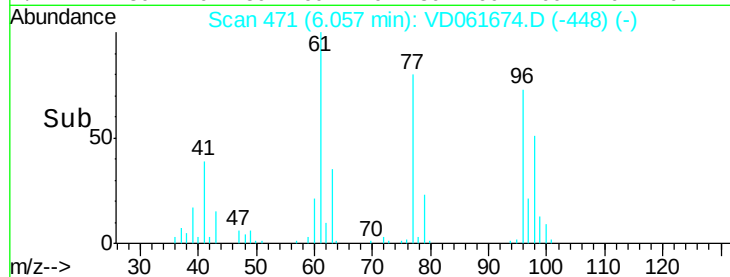
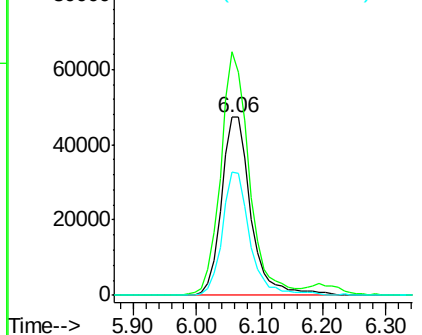
cis-1,2-Dichloroethene
Concen: 21.714 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.02 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 152214
Ion Ratio Lower Upper
96 100
61 136.6 0.0 259.8
98 69.5 0.0 127.6



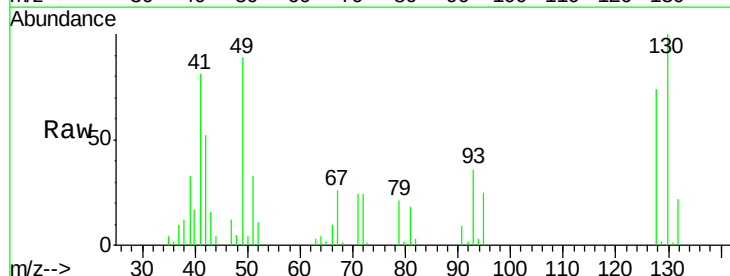
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



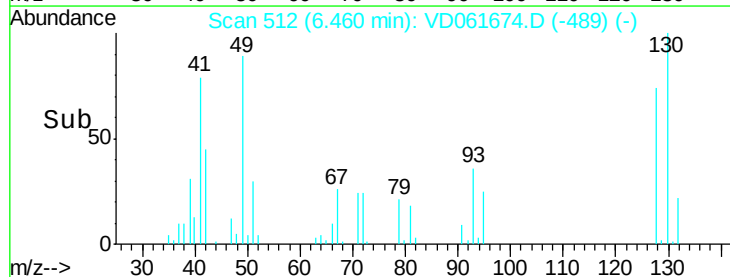
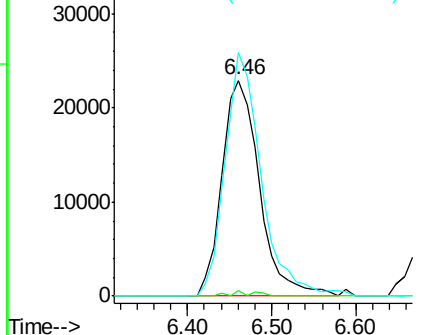
#28

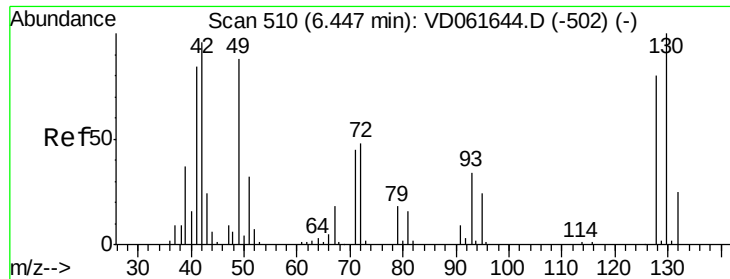
Bromochloromethane
Concen: 18.193 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

Tgt Ion: 49 Resp: 71149
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.0
130 112.8 83.3 124.9



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

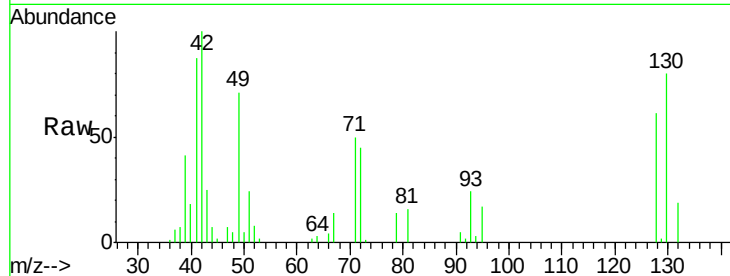




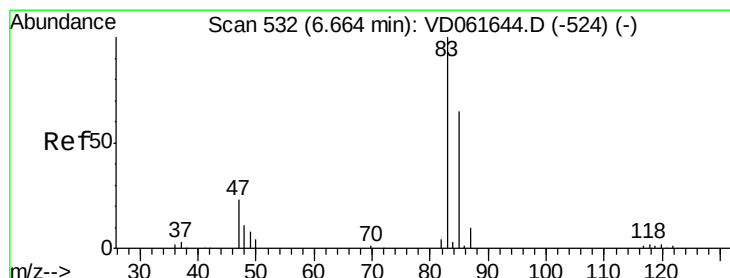
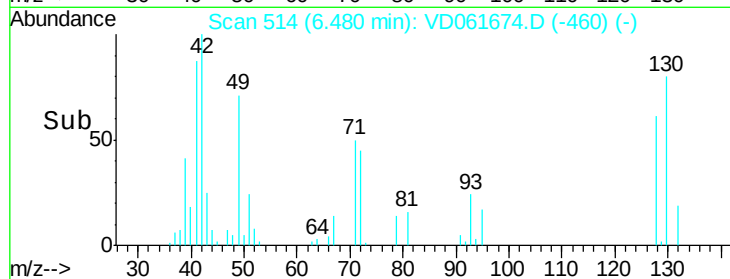
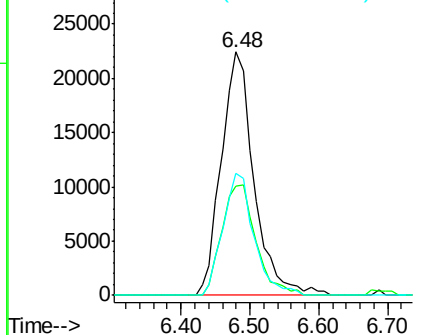
#29
Tetrahydrofuran
Concen: 100.505 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.03 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 73551
Ion Ratio Lower Upper
42 100
72 47.6 37.0 55.6
71 47.5 36.5 54.7

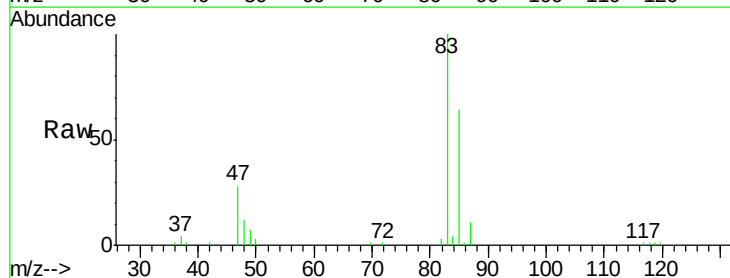


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

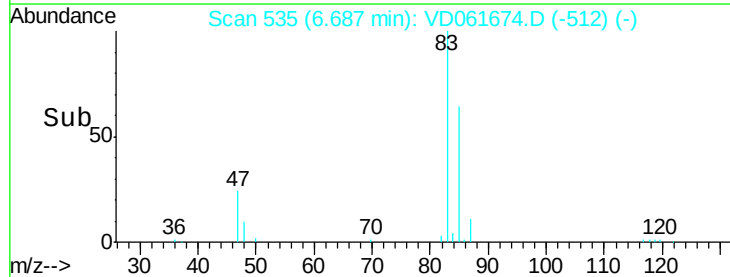
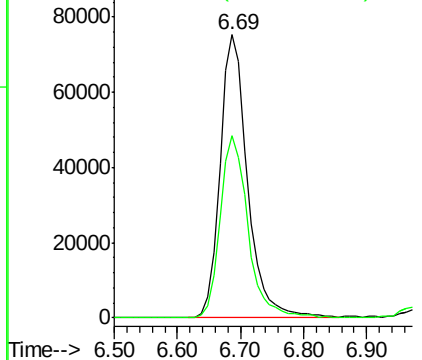


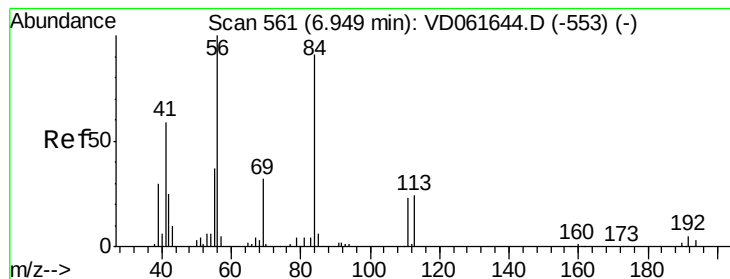
#30
Chloroform
Concen: 20.449 ug/l
RT: 6.69 min Scan# 535
Delta R.T. 0.02 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

Tgt Ion: 83 Resp: 227105
Ion Ratio Lower Upper
83 100
85 64.3 51.9 77.9



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





#31

Cyclohexane

Concen: 18.893 ug/l

RT: 6.98 min Scan# 565

Delta R.T. 0.03 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

Instrument :
MSVOA_D
ClientSampleId :

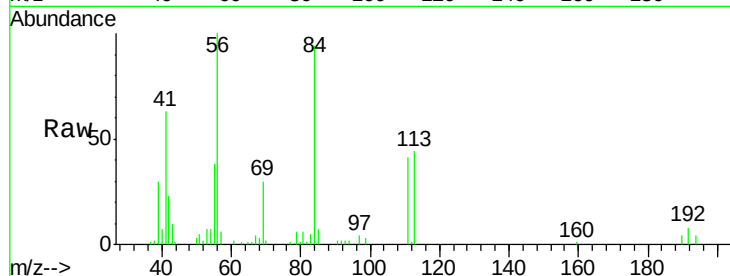
Tot Ion: 56 Resp: 156478

Ion Ratio Lower Upper

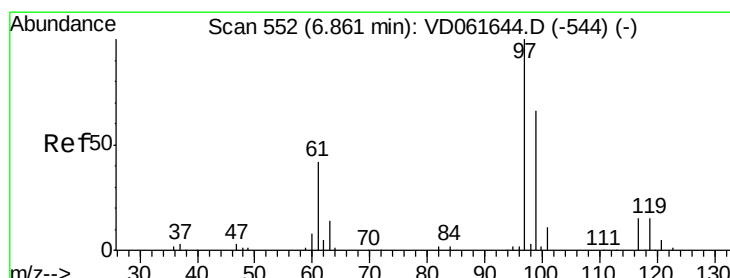
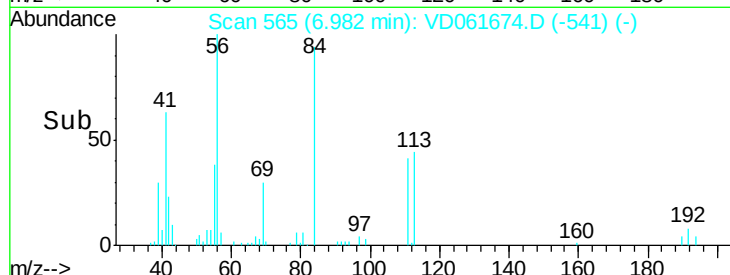
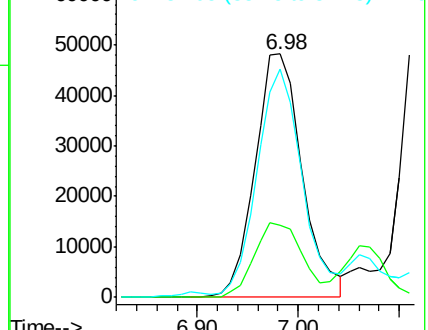
56 100

69 29.8 25.8 38.6

84 94.0 74.2 111.2



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: 20.853 ug/l

RT: 6.89 min Scan# 556

Delta R.T. 0.03 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

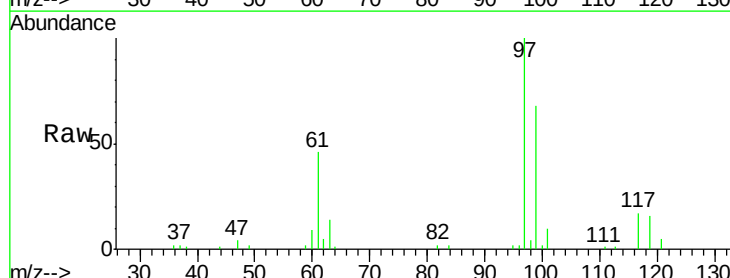
Tgt Ion: 97 Resp: 202952

Ion Ratio Lower Upper

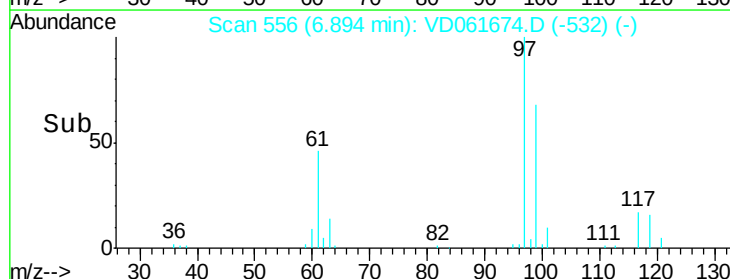
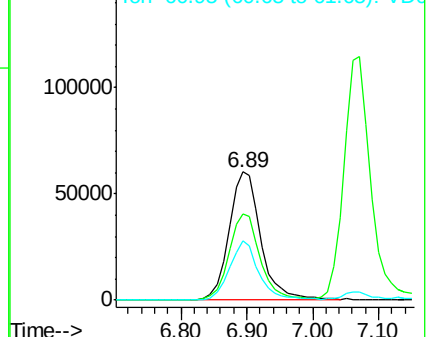
97 100

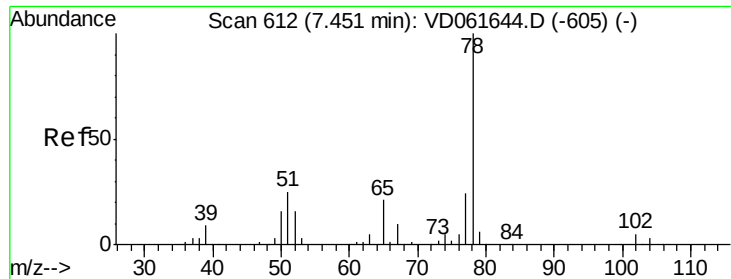
99 67.8 52.5 78.7

61 46.2 33.4 50.0



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

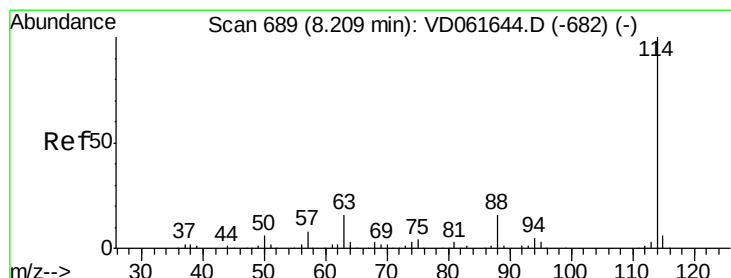
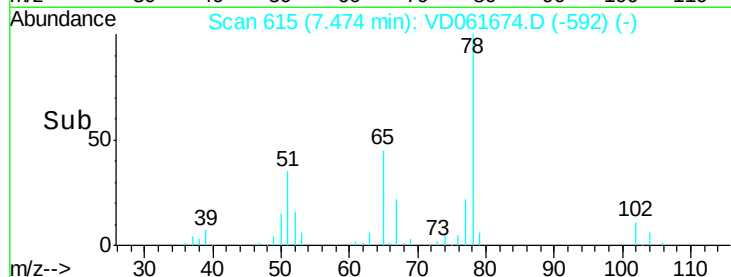
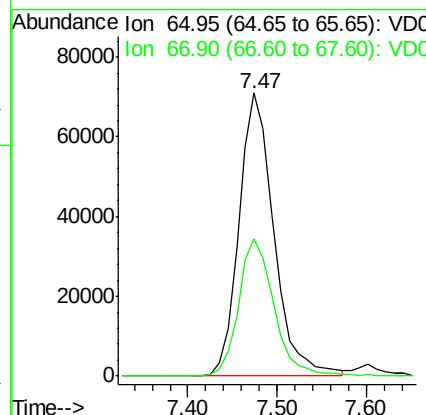
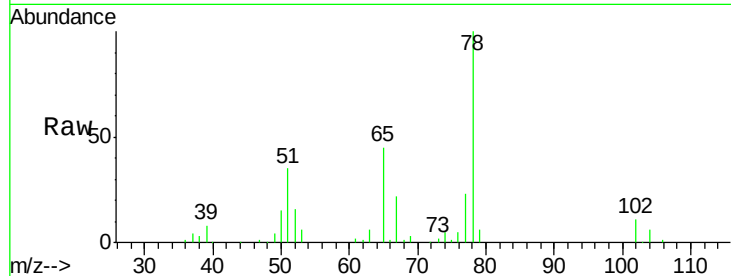




#33
 1,2-Dichloroethane-d4
 Concen: 20.853 ug/l
 RT: 7.47 min Scan# 615
 Delta R.T. 0.02 min
 Lab File: VD061674.D
 Acq: 9 Apr 2019 14:56

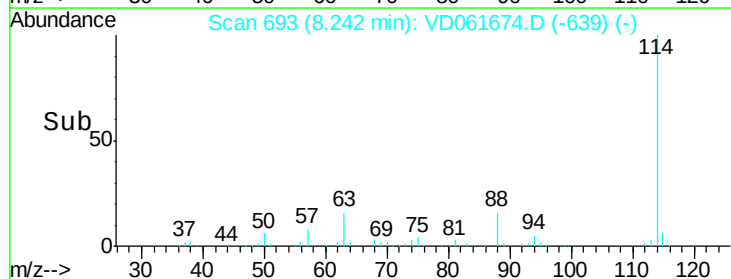
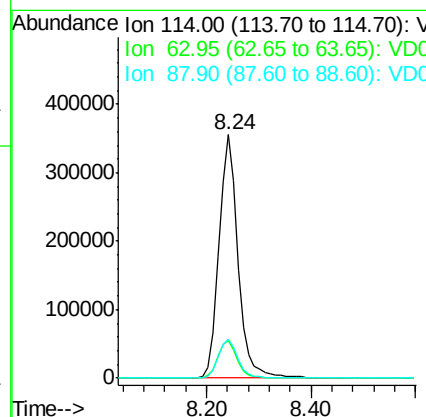
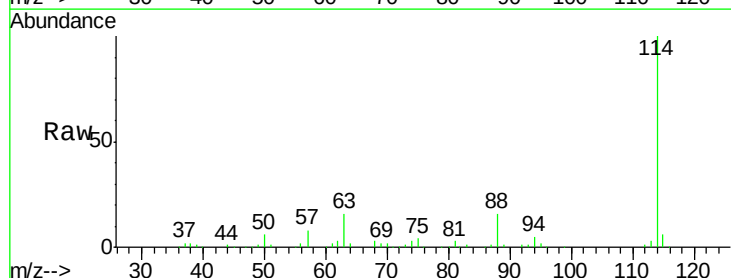
Instrument :
 MSVOA_D
 ClientSampleId :

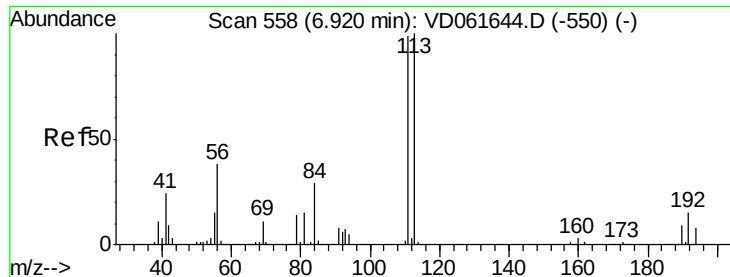
Tot Ion: 65 Resp: 192935
 Ion Ratio Lower Upper
 65 100
 67 48.5 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 693
 Delta R.T. 0.03 min
 Lab File: VD061674.D
 Acq: 9 Apr 2019 14:56

Tgt Ion: 114 Resp: 901069
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.2
 88 16.1 0.0 31.8

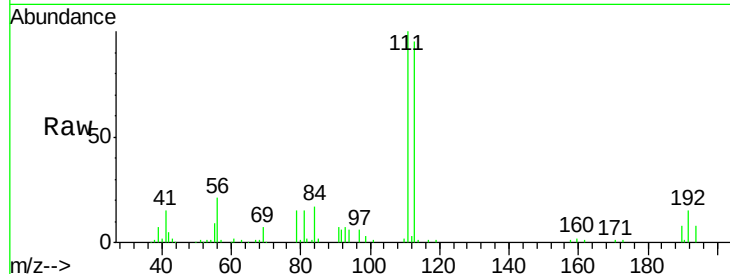




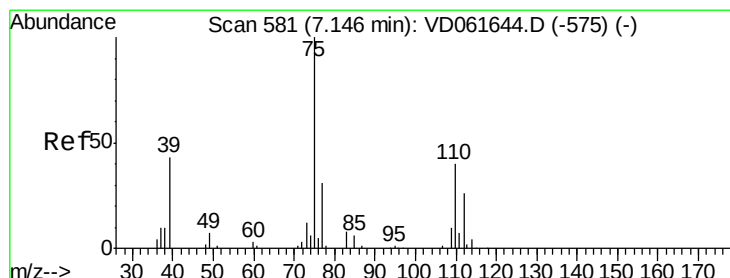
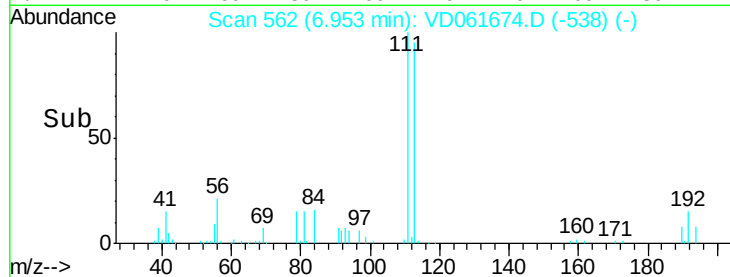
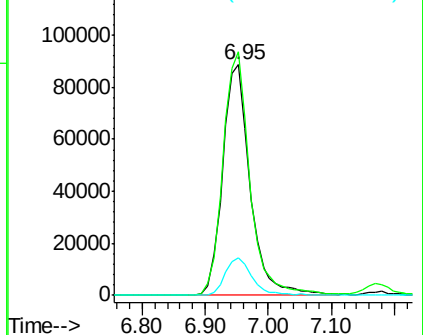
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.95 min Scan# 562
 Delta R.T. 0.03 min
 Lab File: VD061674.D
 Acq: 9 Apr 2019 14:56

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 268698
 Ion Ratio Lower Upper
 113 100
 111 105.5 79.3 118.9
 192 16.2 12.3 18.5

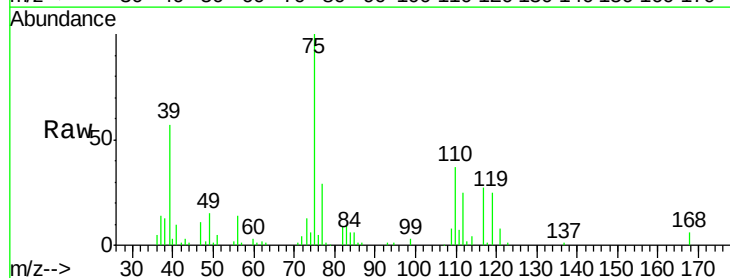


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

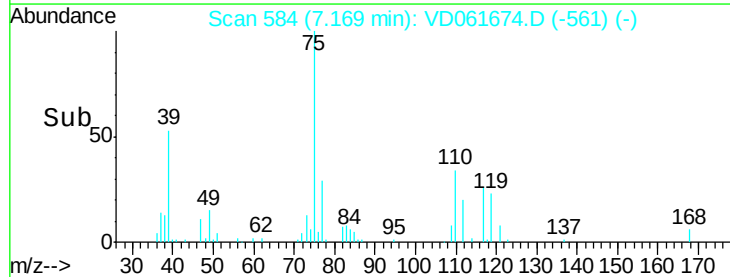
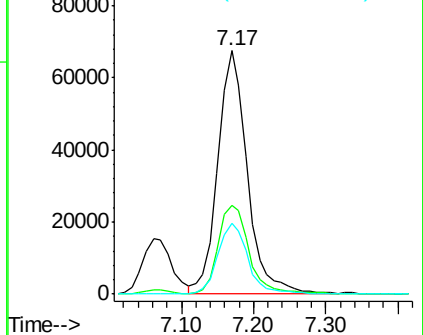


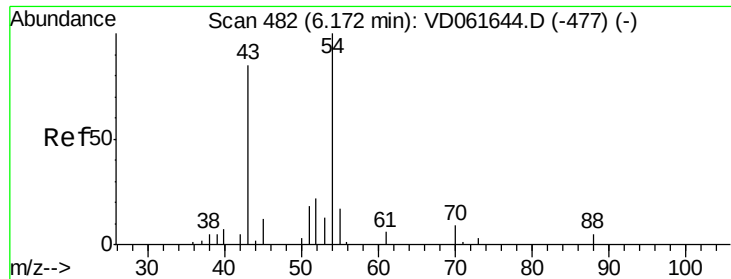
#36
 1,1-Dichloropropene
 Concen: 24.258 ug/l
 RT: 7.17 min Scan# 584
 Delta R.T. 0.02 min
 Lab File: VD061674.D
 Acq: 9 Apr 2019 14:56

Tgt Ion: 75 Resp: 191302
 Ion Ratio Lower Upper
 75 100
 110 36.6 19.7 59.0
 77 29.2 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC

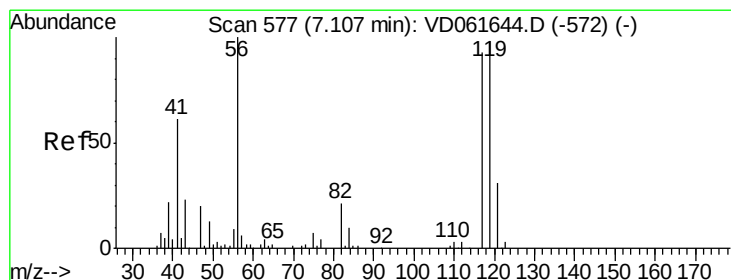
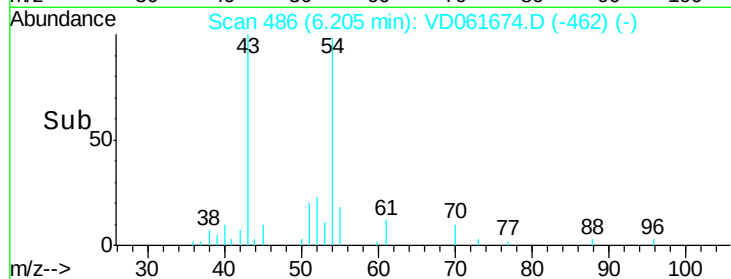
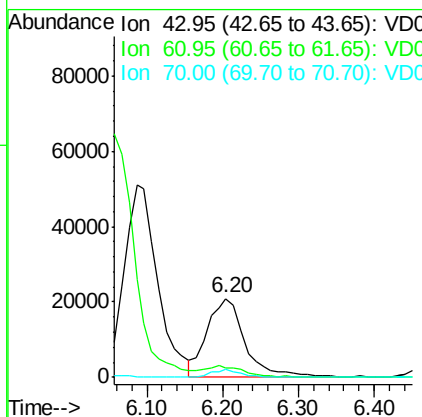
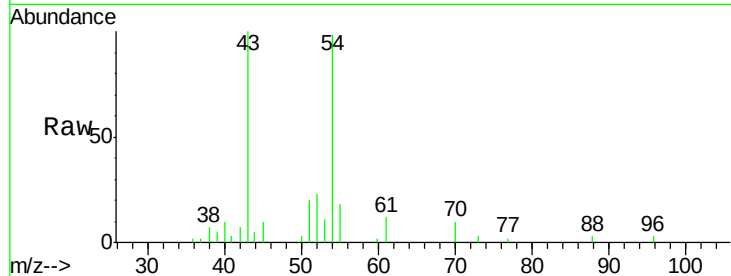




#37
Ethyl Acetate
Concen: 22.826 ug/l
RT: 6.20 min Scan# 486
Delta R.T. 0.03 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

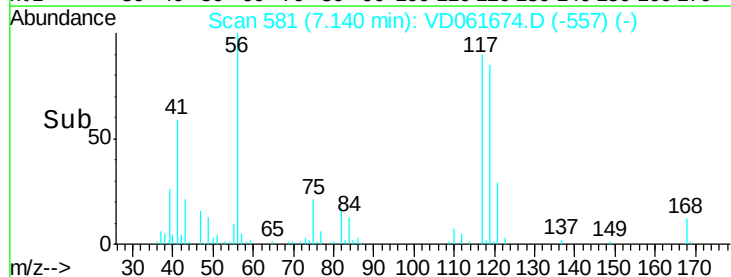
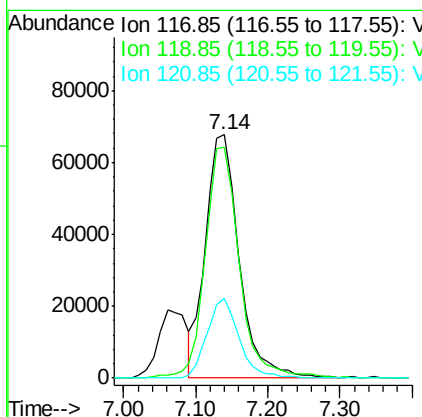
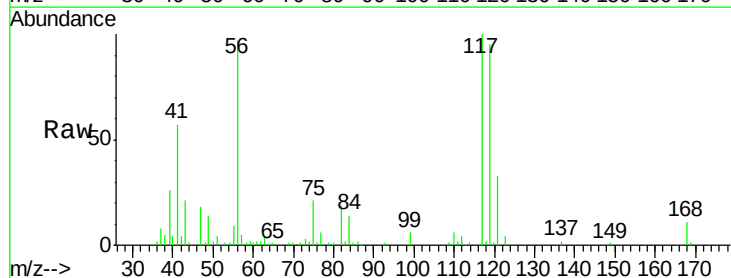
Instrument :
MSVOA_D
ClientSampled :

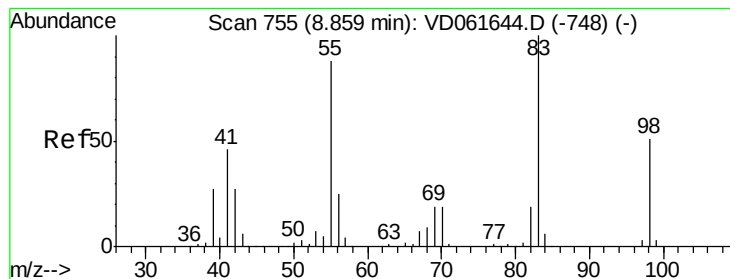
Tot Ion: 43 Resp: 73318
Ion Ratio Lower Upper
43 100
61 11.9 11.9 17.9
70 9.7 6.9 10.3



#38
Carbon Tetrachloride
Concen: 23.691 ug/l
RT: 7.14 min Scan# 581
Delta R.T. 0.03 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

Tgt Ion: 117 Resp: 218962
Ion Ratio Lower Upper
117 100
119 94.9 77.9 116.9
121 32.8 24.7 37.1





#39

Methylvlcyclohexane

Concen: 21.791 ug/l

RT: 8.89 min Scan# 759

Delta R.T. 0.03 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

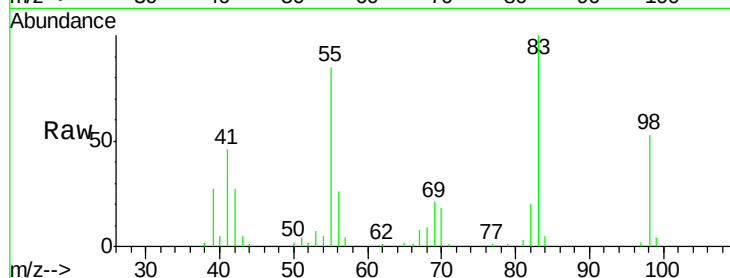
Tot Ion: 83 Resp: 176423

Ion Ratio Lower Upper

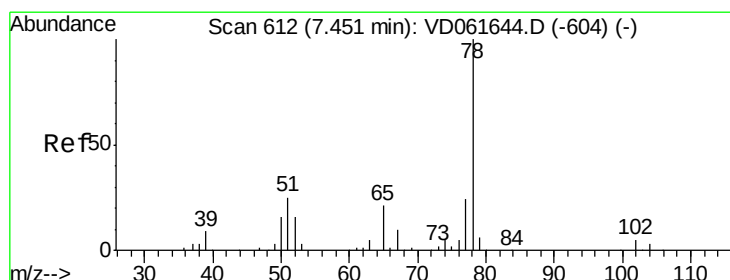
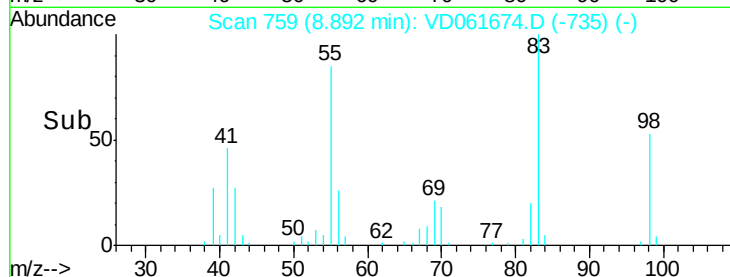
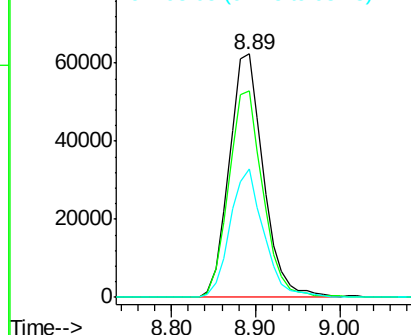
83 100

55 84.7 70.3 105.5

98 52.6 41.0 61.6



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: 23.434 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.02 min

Lab File: VD061674.D

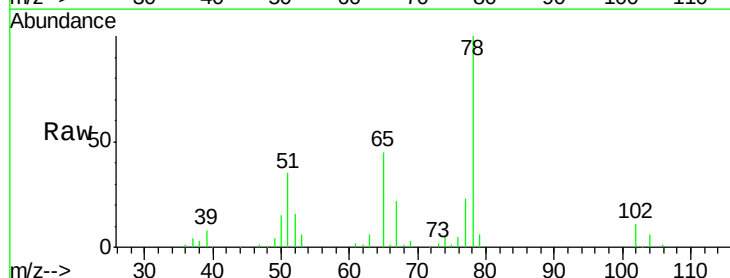
Acq: 9 Apr 2019 14:56

Tgt Ion: 78 Resp: 445830

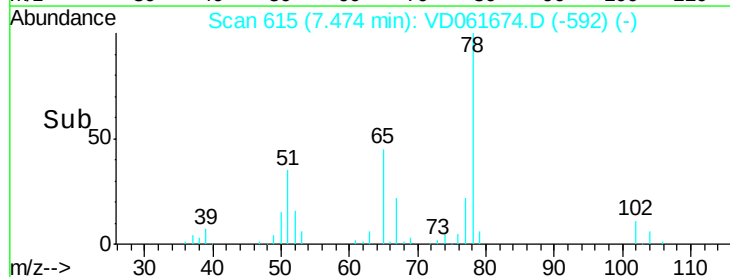
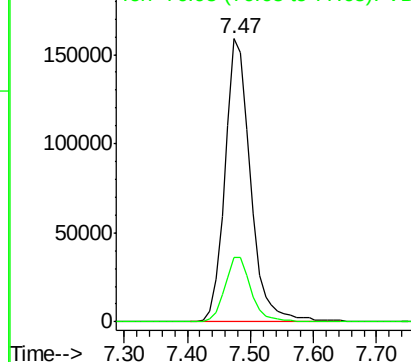
Ion Ratio Lower Upper

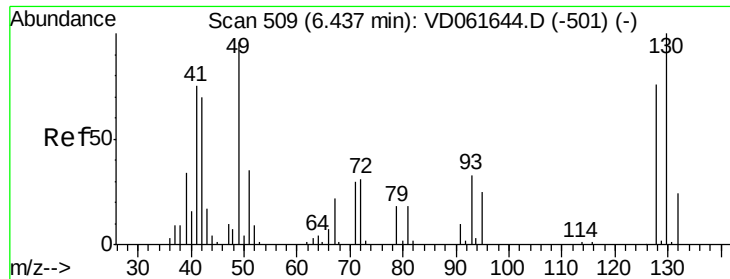
78 100

77 22.8 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

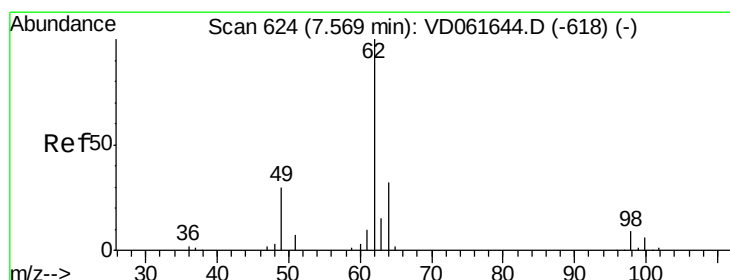
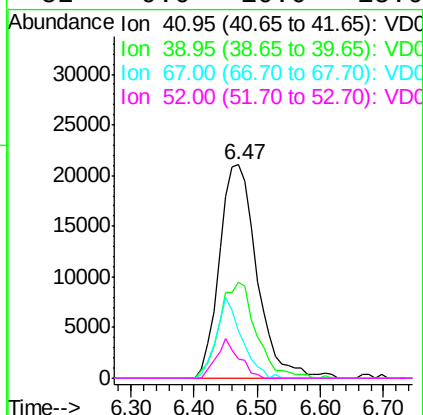
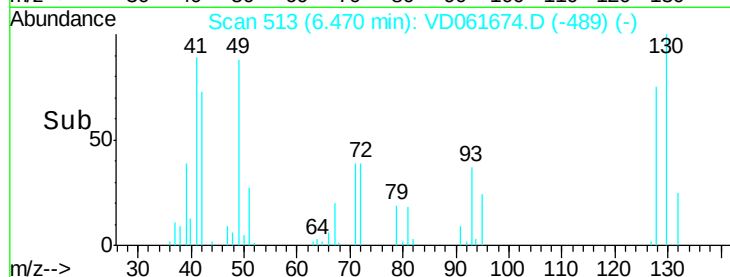
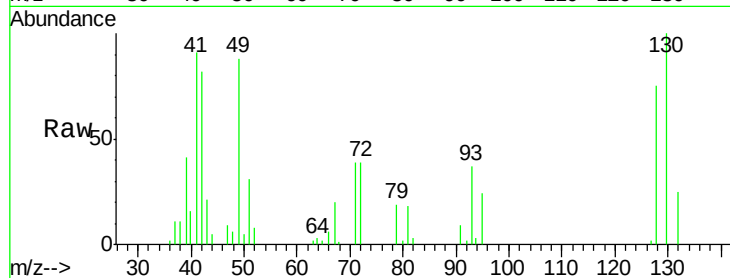




#41
Methacrylonitrile
Concen: 23.171 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

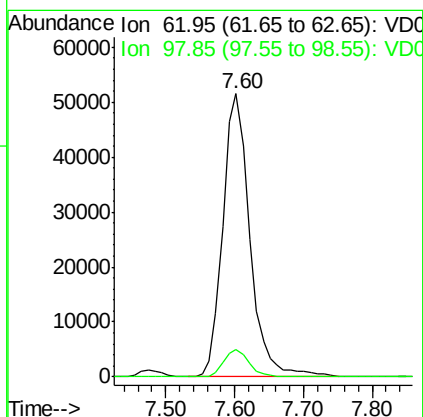
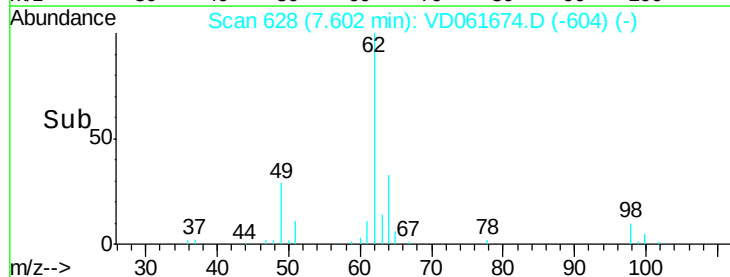
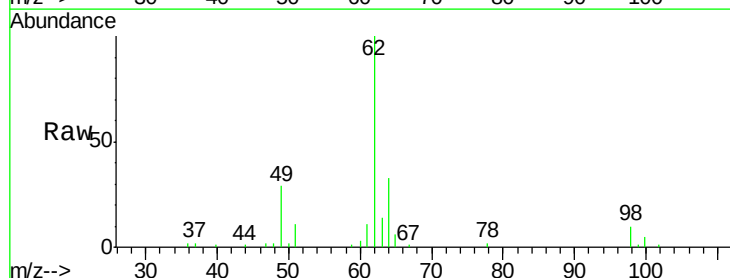
Instrument :
MSVOA_D
ClientSampleId :

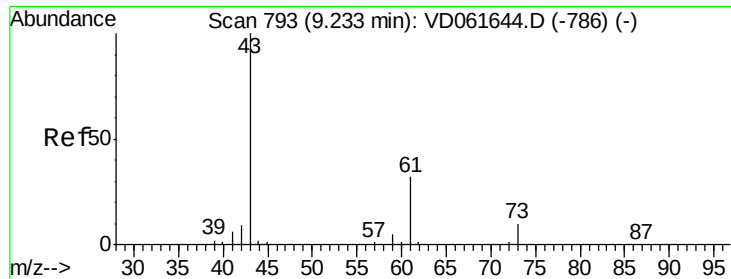
Tot Ion: 41 Resp: 86882
Ion Ratio Lower Upper
41 100
39 45.1 36.2 54.2
67 21.9 23.2 34.8#
52 9.0 10.0 15.0#



#42
1,2-Dichloroethane
Concen: 23.523 ug/l
RT: 7.60 min Scan# 628
Delta R.T. 0.03 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

Tgt Ion: 62 Resp: 140743
Ion Ratio Lower Upper
62 100
98 9.7 0.0 17.8





#43

Isopropyl Acetate

Concen: 21.946 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.02 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

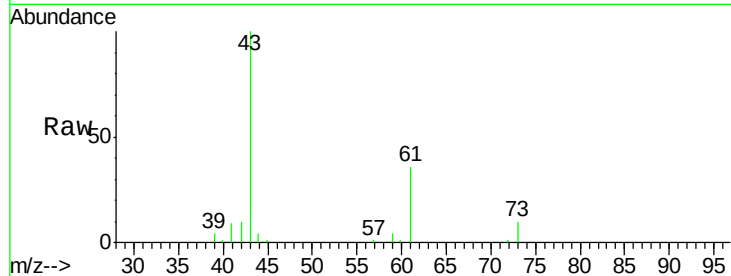
Tot Ion: 43 Resp: 102306

Ion Ratio Lower Upper

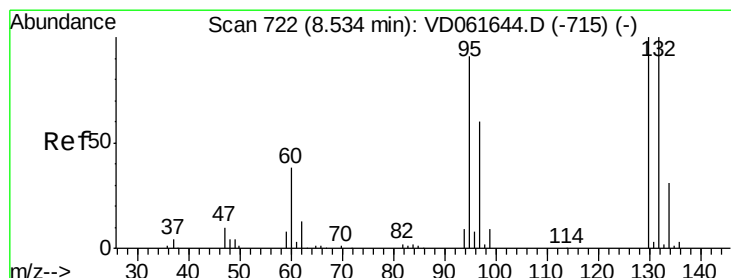
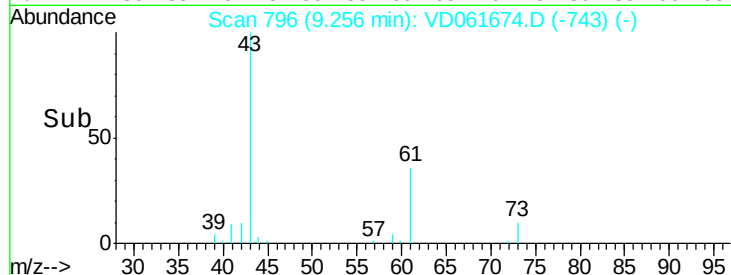
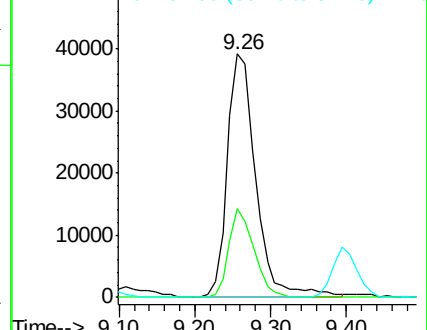
43 100

61 36.3 25.9 38.9

87 0.0 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: 22.294 ug/l

RT: 8.57 min Scan# 726

Delta R.T. 0.03 min

Lab File: VD061674.D

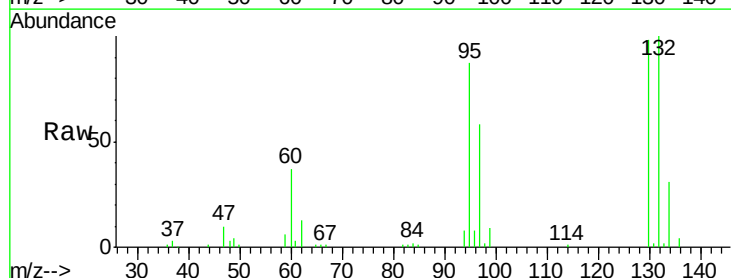
Acq: 9 Apr 2019 14:56

Tgt Ion:130 Resp: 162599

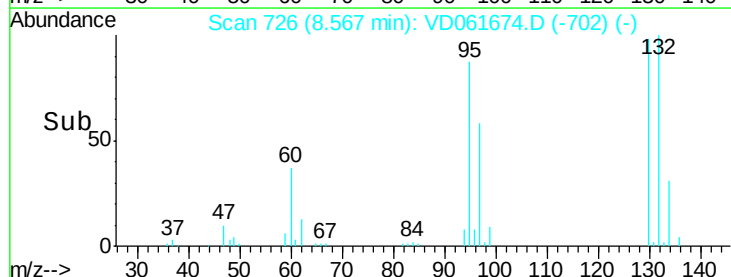
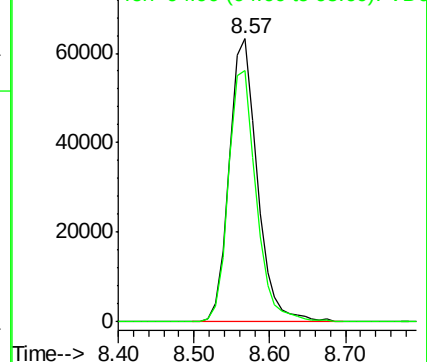
Ion Ratio Lower Upper

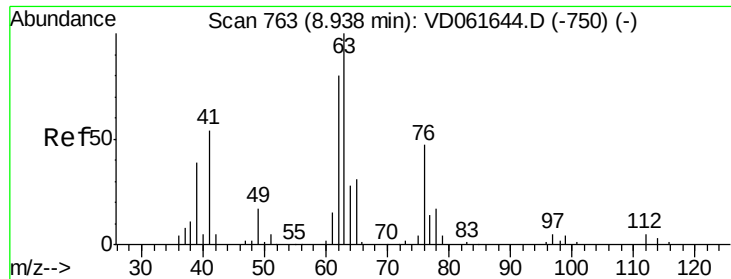
130 100

95 88.7 0.0 181.8



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

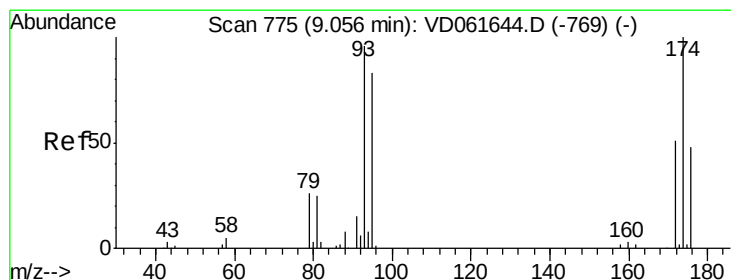
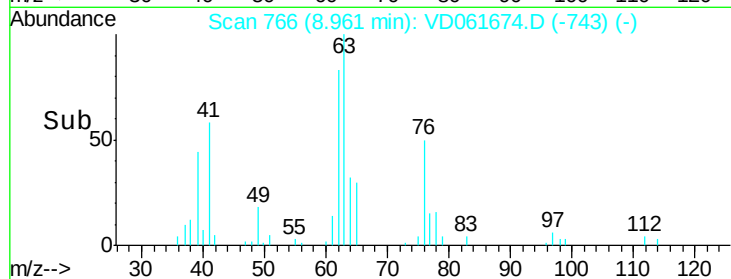
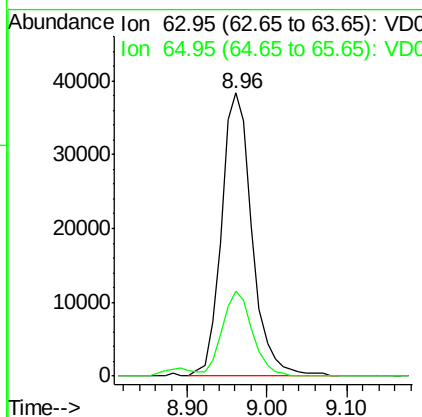
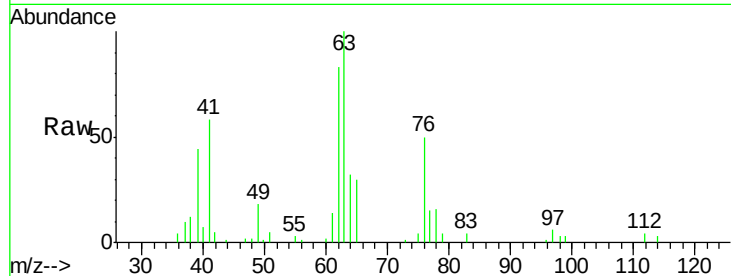




#45
 1,2-Dichloropropane
 Concen: 21.905 ug/l
 RT: 8.96 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: VD061674.D
 Acq: 9 Apr 2019 14:56

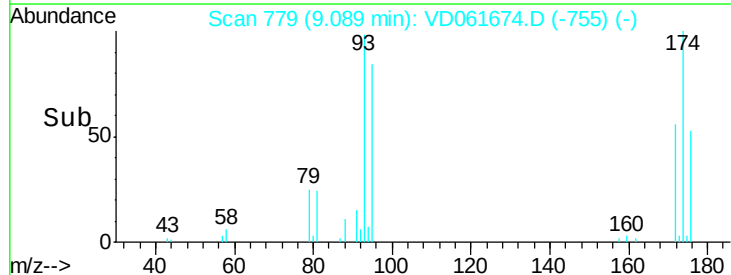
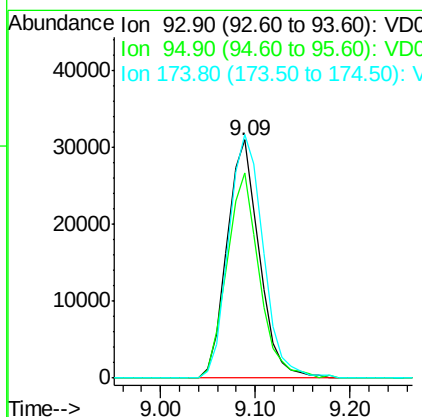
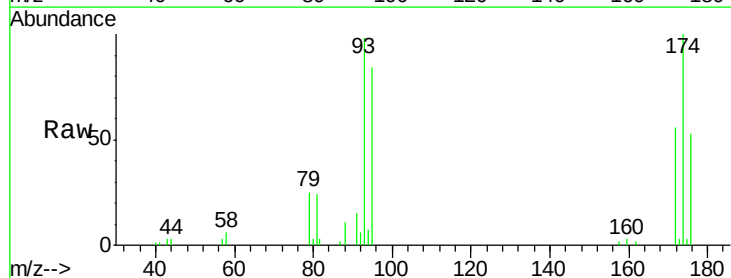
Instrument :
 MSVOA_D
 ClientSampleId :

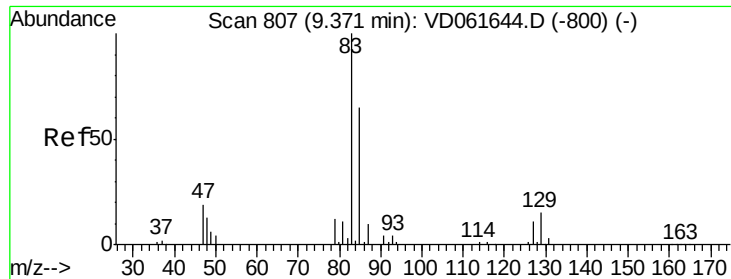
Tot Ion: 63 Resp: 103350
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.5 36.7



#46
 Dibromomethane
 Concen: 21.731 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. 0.03 min
 Lab File: VD061674.D
 Acq: 9 Apr 2019 14:56

Tgt Ion: 93 Resp: 73278
 Ion Ratio Lower Upper
 93 100
 95 86.3 68.6 103.0
 174 102.2 83.0 124.4





#47

Bromodichloromethane

Concen: 23.338 ug/l

RT: 9.39 min Scan# 810

Delta R.T. 0.02 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

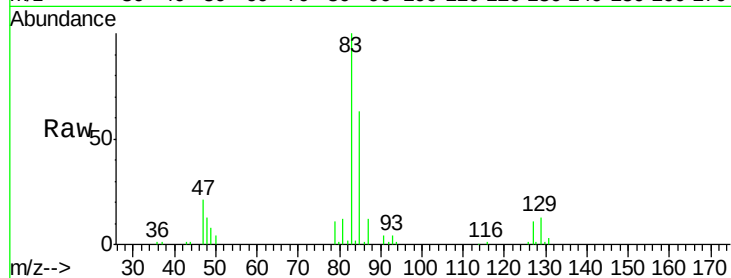
Tot Ion: 83 Resp: 172836

Ion Ratio Lower Upper

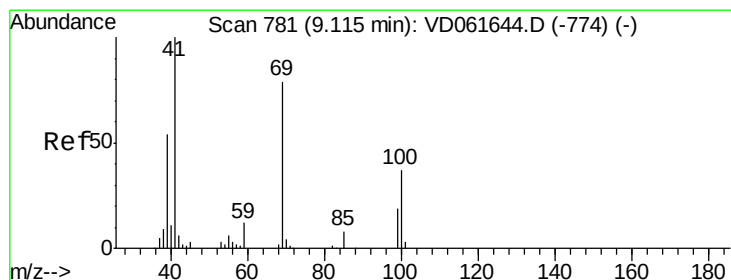
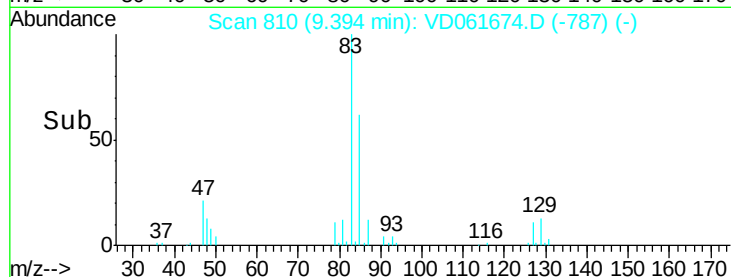
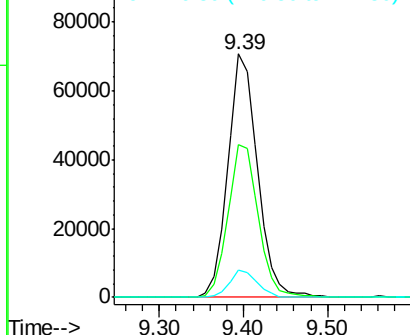
83 100

85 62.7 51.8 77.6

127 11.2 9.0 13.6



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: 21.912 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.02 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

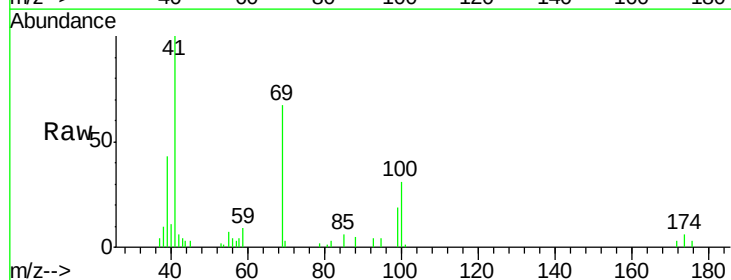
Tgt Ion: 41 Resp: 58882

Ion Ratio Lower Upper

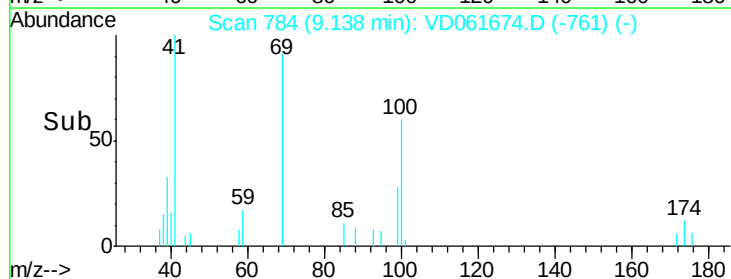
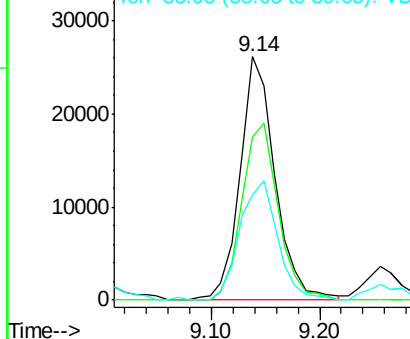
41 100

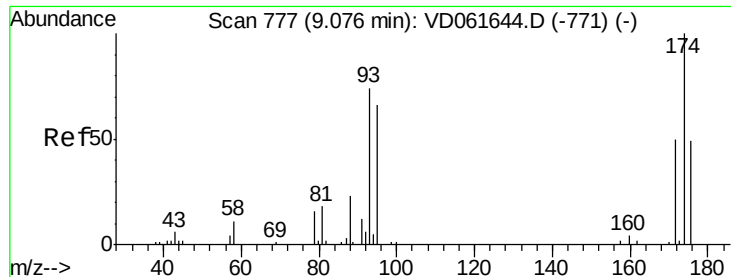
69 67.2 63.1 94.7

39 43.2 43.8 65.8#



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

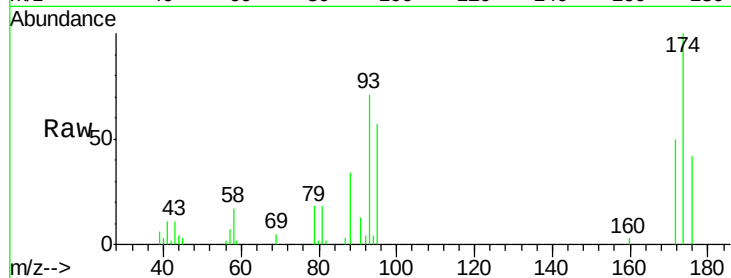




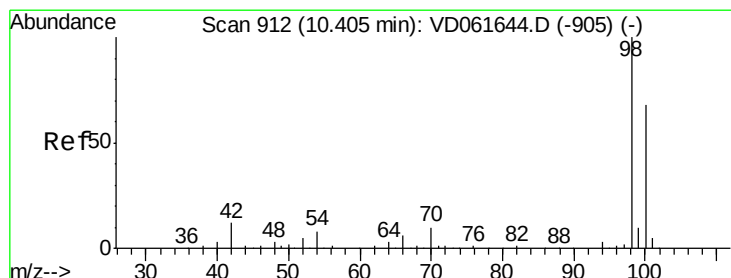
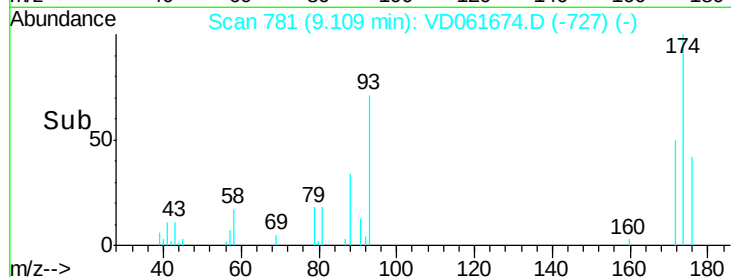
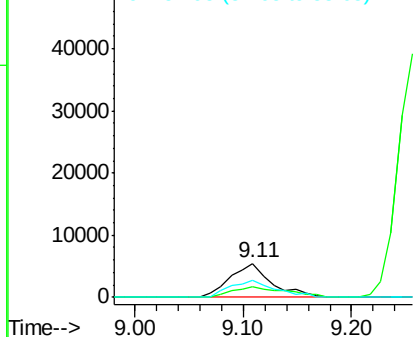
#49
1,4-Dioxane
Concen: 484.988 ug/l
RT: 9.11 min Scan# 781
Delta R.T. 0.03 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 14385
Ion Ratio Lower Upper
88 100
43 32.1 21.8 32.8
58 52.1 40.2 60.2

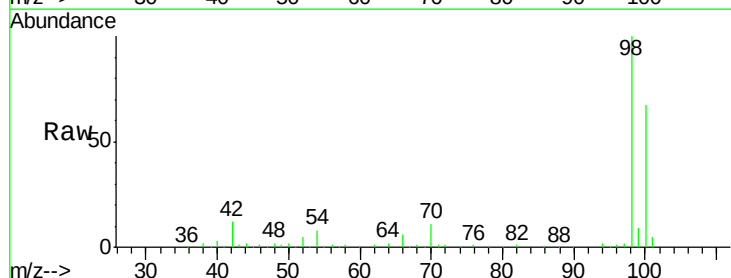


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

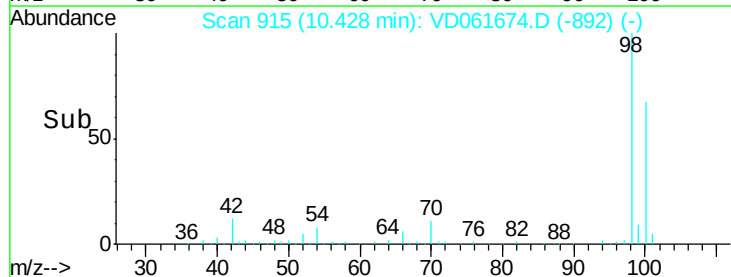
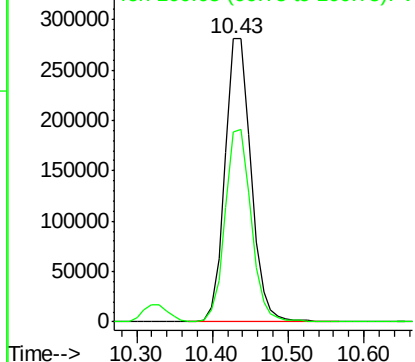


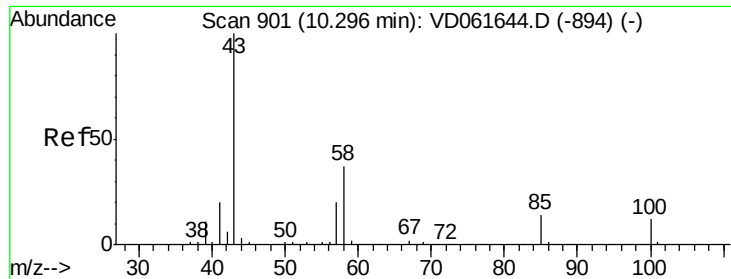
#50
Toluene-d8
Concen: 484.988 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.02 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

Tgt Ion: 98 Resp: 669281
Ion Ratio Lower Upper
98 100
100 67.0 55.4 83.0



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





#51

4-Methyl-2-Pentanone

Concen: 119.782 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.02 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

Instrument :

MSVOA_D

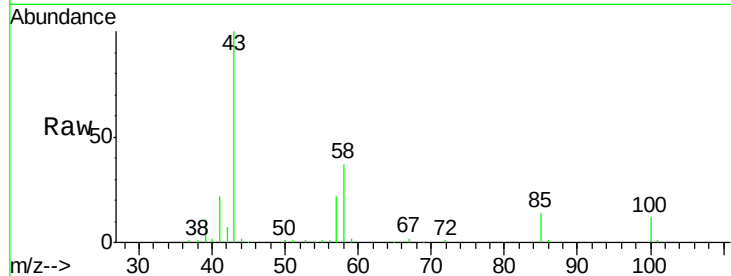
ClientSampleId :

Tot Ion: 43 Resp: 330227

Ion Ratio Lower Upper

43 100

58 36.6 29.8 44.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.32

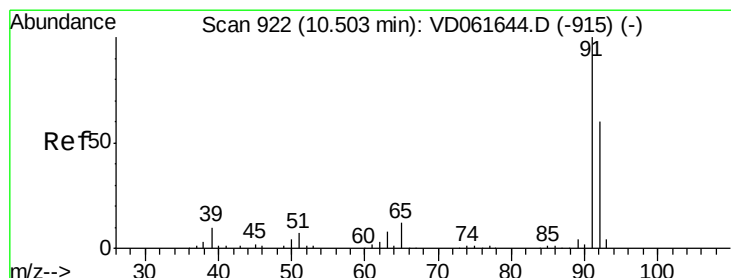
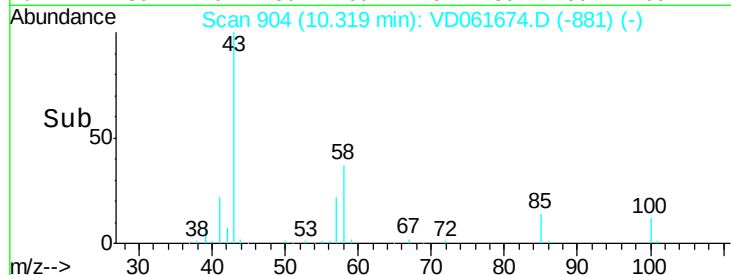
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 23.230 ug/l

RT: 10.54 min Scan# 926

Delta R.T. 0.03 min

Lab File: VD061674.D

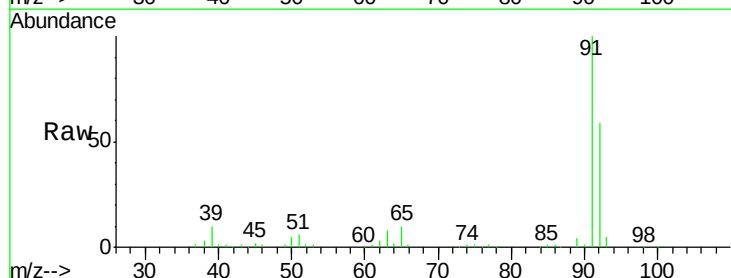
Acq: 9 Apr 2019 14:56

Tgt Ion: 92 Resp: 275969

Ion Ratio Lower Upper

92 100

91 168.2 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.54

200000

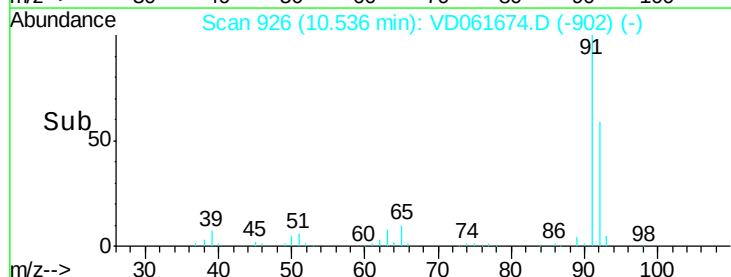
150000

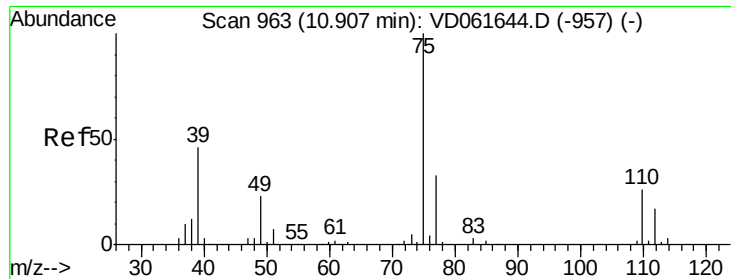
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.289 ug/l

RT: 10.93 min Scan# 966

Delta R.T. 0.02 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

Instrument :

MSVOA_D

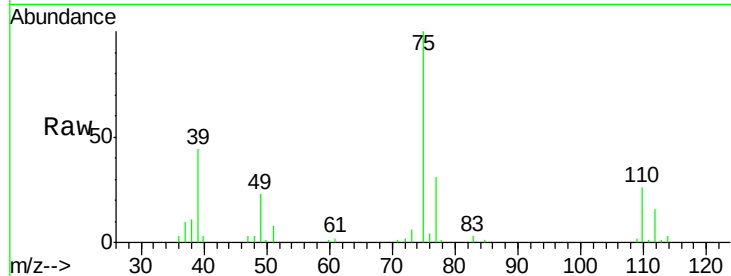
ClientSampleId :

Tot Ion: 75 Resp: 144693

Ion Ratio Lower Upper

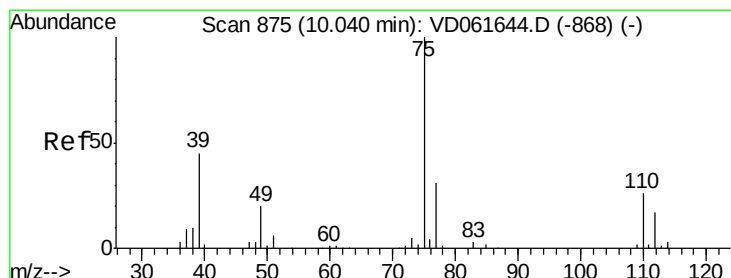
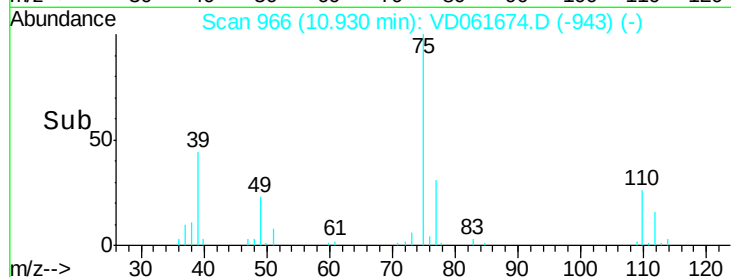
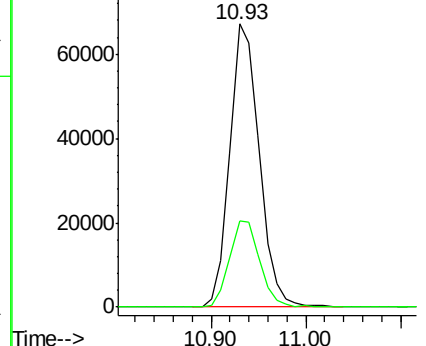
75 100

77 30.5 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 23.272 ug/l

RT: 10.06 min Scan# 878

Delta R.T. 0.02 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

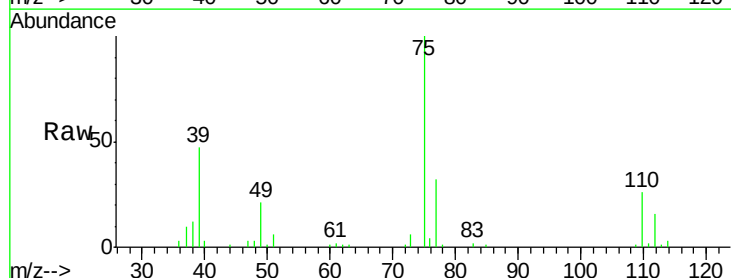
Tgt Ion: 75 Resp: 186234

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0

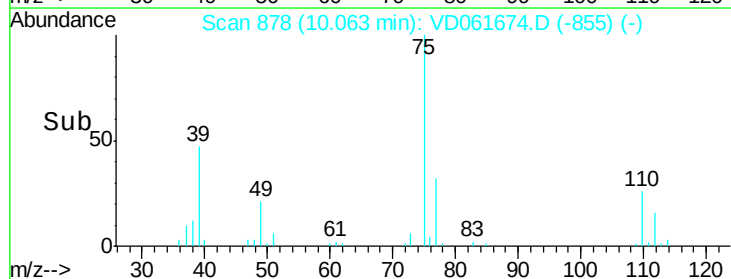
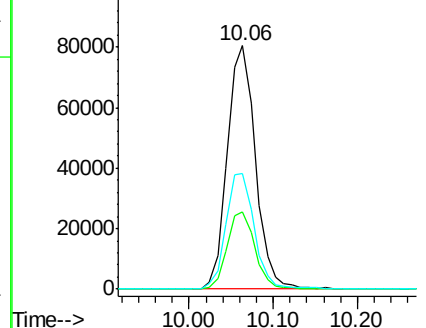
39 47.3 36.2 54.2

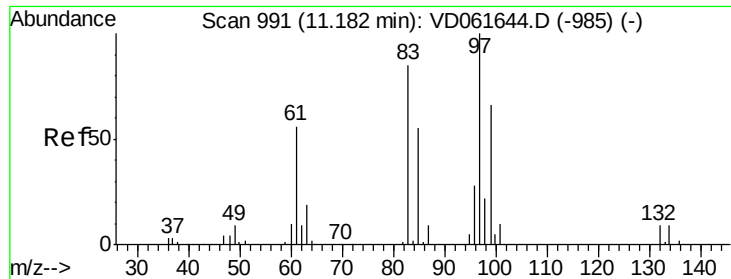


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

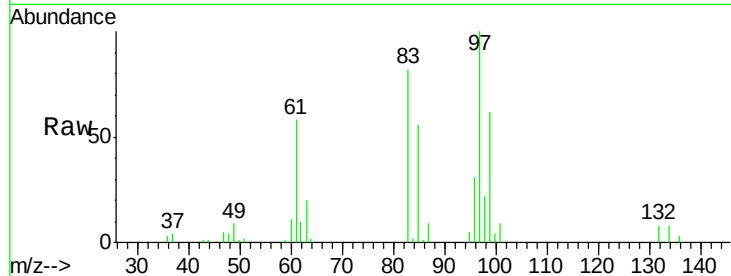




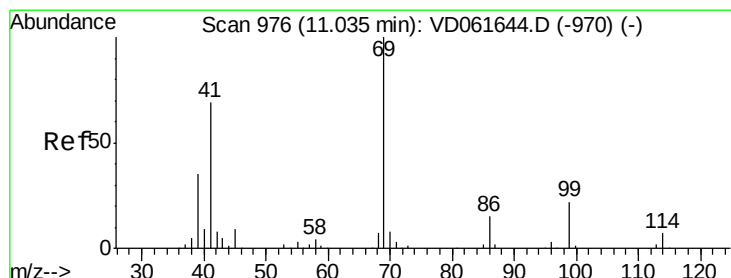
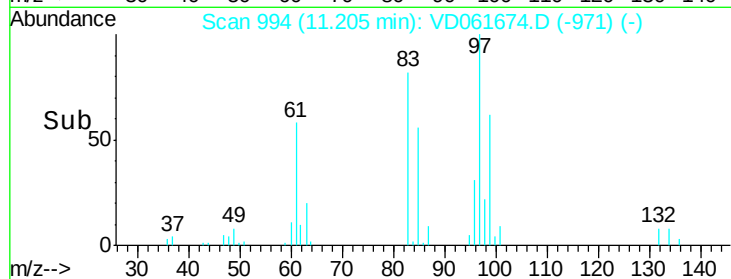
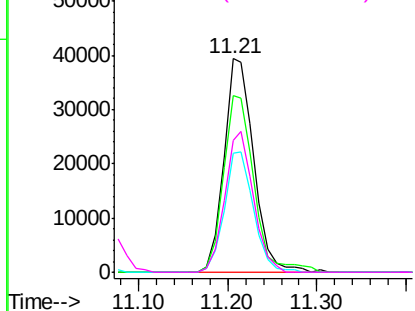
#55
 1,1,2-Trichloroethane
 Concen: 23.023 ug/l
 RT: 11.21 min Scan# 994
 Delta R.T. 0.02 min
 Lab File: VD061674.D
 Acq: 9 Apr 2019 14:56

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 97 Resp: 92248
 Ion Ratio Lower Upper
 97 100
 83 82.5 67.8 101.6
 85 55.7 43.8 65.8
 99 62.0 52.8 79.2

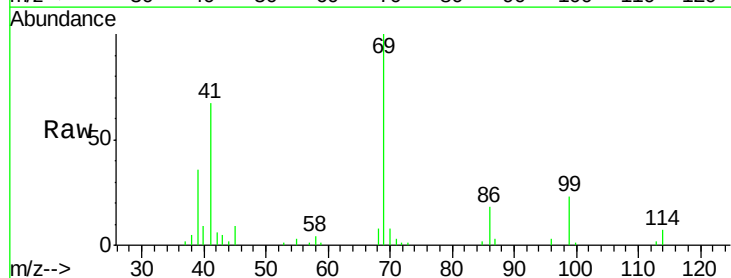


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

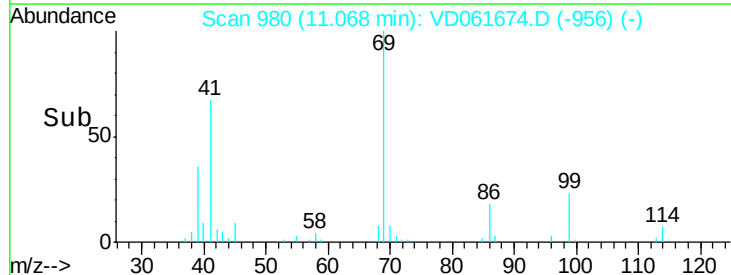
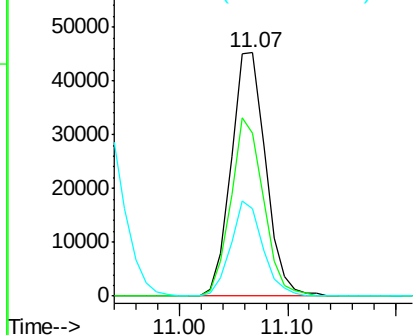


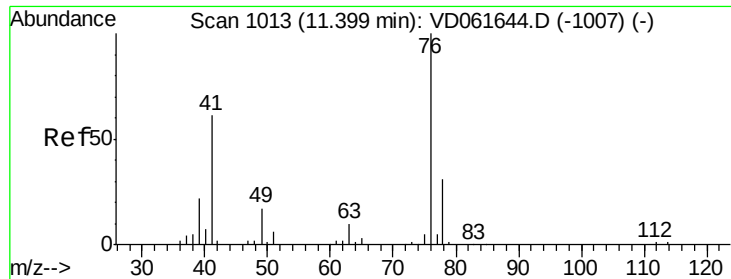
#56
 Ethyl methacrylate
 Concen: 23.788 ug/l
 RT: 11.07 min Scan# 980
 Delta R.T. 0.03 min
 Lab File: VD061674.D
 Acq: 9 Apr 2019 14:56

Tgt Ion: 69 Resp: 100550
 Ion Ratio Lower Upper
 69 100
 41 67.2 55.2 82.8
 39 36.2 28.6 43.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

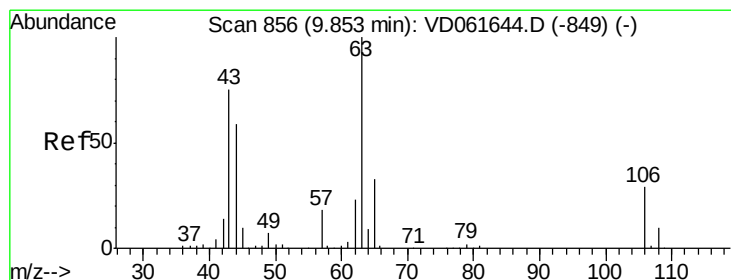
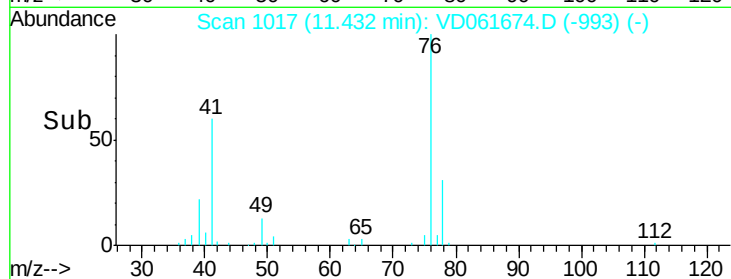
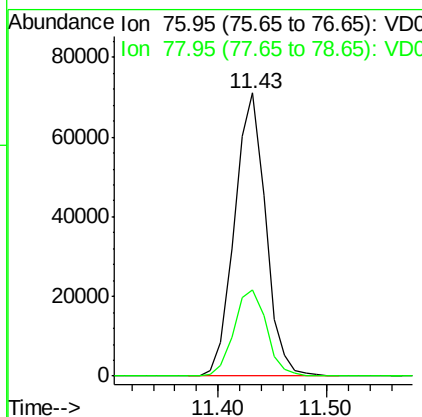
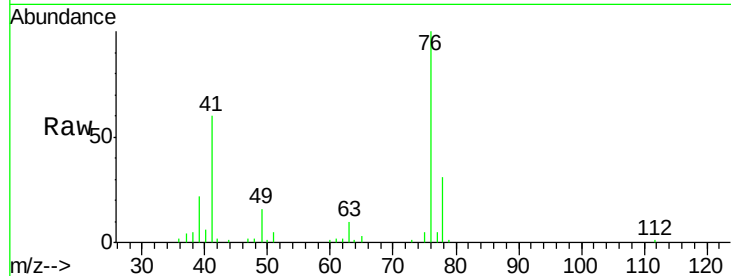




#57
 1,3-Dichloropropane
 Concen: 24.220 ug/l
 RT: 11.43 min Scan# 1017
 Delta R.T. 0.03 min
 Lab File: VD061674.D
 Acq: 9 Apr 2019 14:56

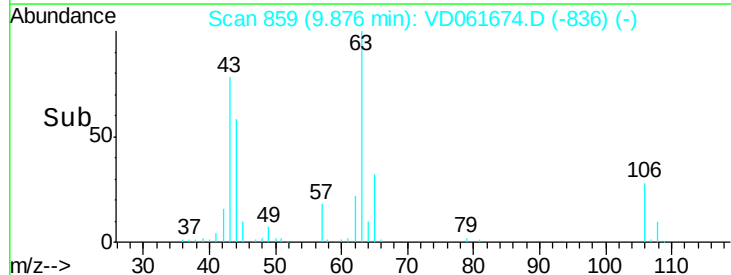
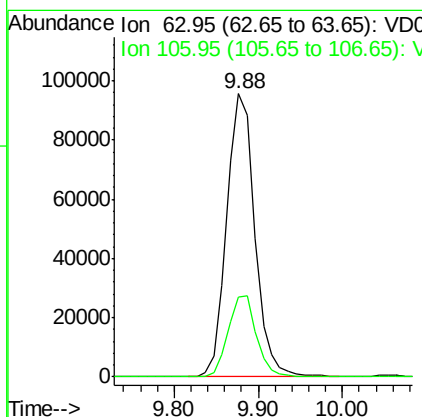
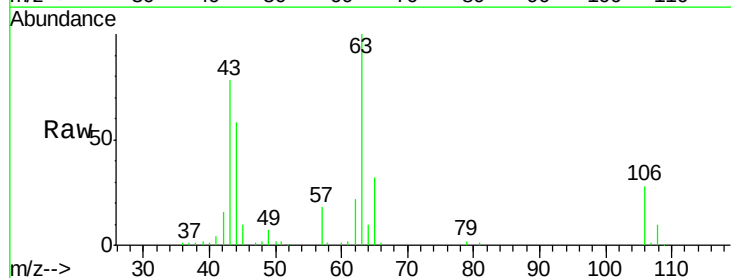
Instrument :
 MSVOA_D
 ClientSampleId :

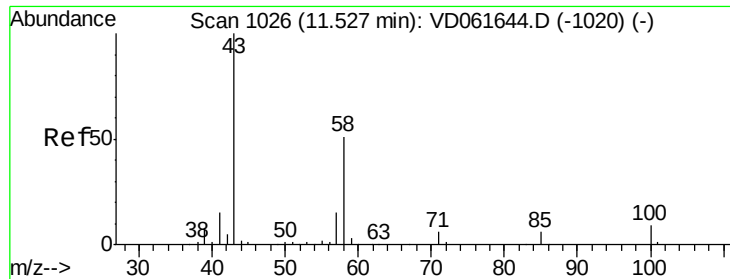
Tot Ion: 76 Resp: 142116
 Ion Ratio Lower Upper
 76 100
 78 30.5 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.466 ug/l
 RT: 9.88 min Scan# 859
 Delta R.T. 0.02 min
 Lab File: VD061674.D
 Acq: 9 Apr 2019 14:56

Tgt Ion: 63 Resp: 222310
 Ion Ratio Lower Upper
 63 100
 106 28.3 23.0 34.6





#59

2-Hexanone

Concen: 114.018 ug/l

RT: 11.55 min Scan# 1029

Delta R.T. 0.02 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

Instrument :

MSVOA_D

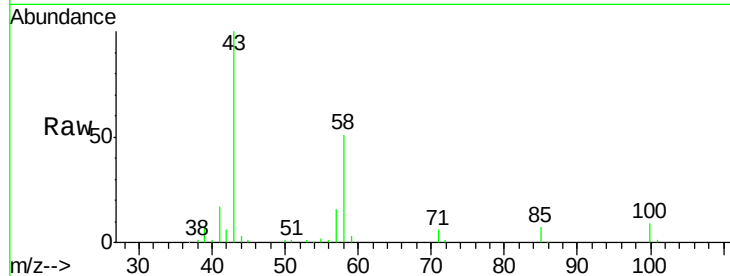
ClientSampled :

Tot Ion: 43 Resp: 243949

Ion Ratio Lower Upper

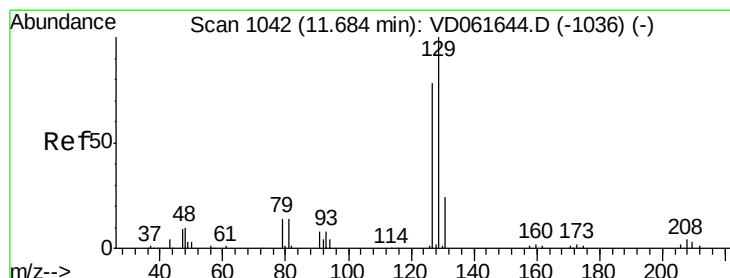
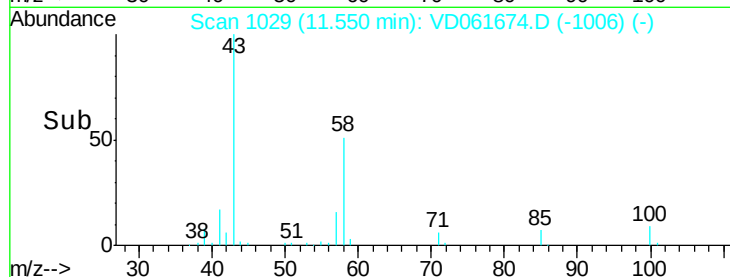
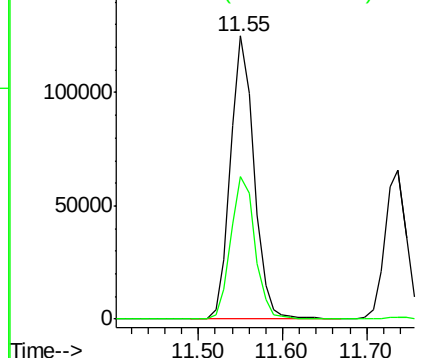
43 100

58 50.5 25.6 76.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 24.215 ug/l

RT: 11.71 min Scan# 1045

Delta R.T. 0.02 min

Lab File: VD061674.D

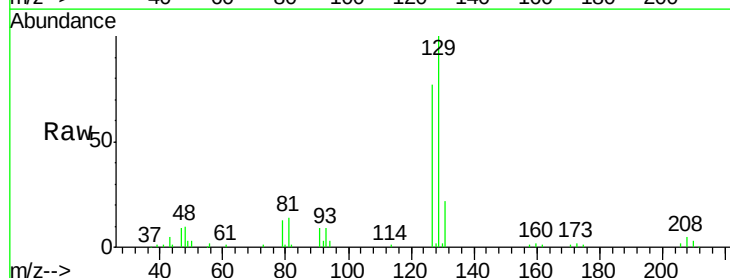
Acq: 9 Apr 2019 14:56

Tgt Ion:129 Resp: 153287

Ion Ratio Lower Upper

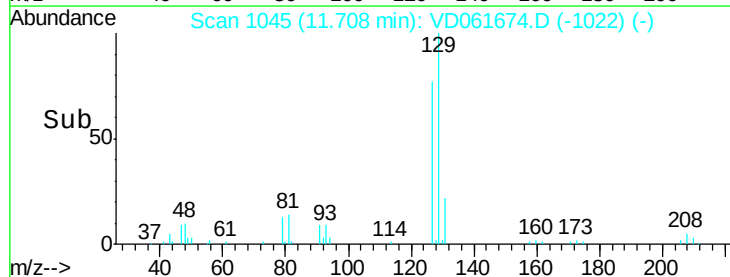
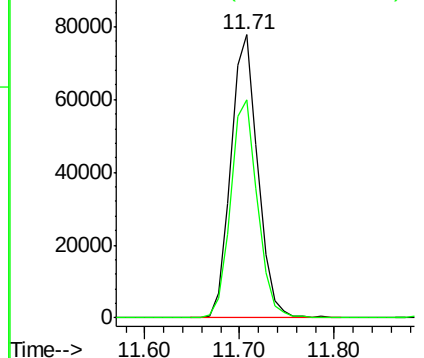
129 100

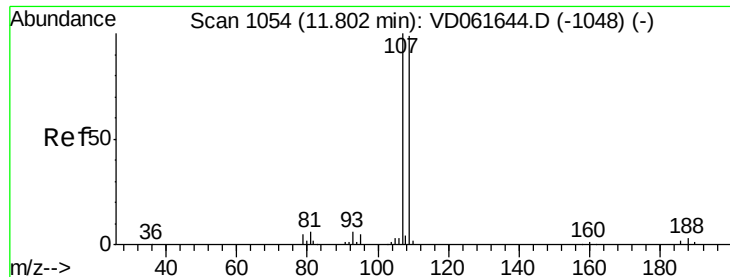
127 76.9 38.8 116.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 23.359 ug/l

RT: 11.83 min Scan# 1057

Delta R.T. 0.02 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

Instrument :

MSVOA_D

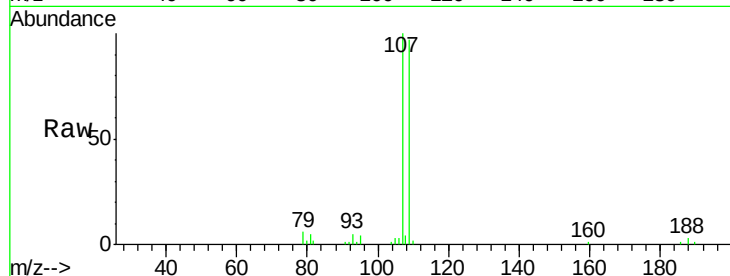
ClientSampleId :

Tot Ion: 107 Resp: 109457

Ion Ratio Lower Upper

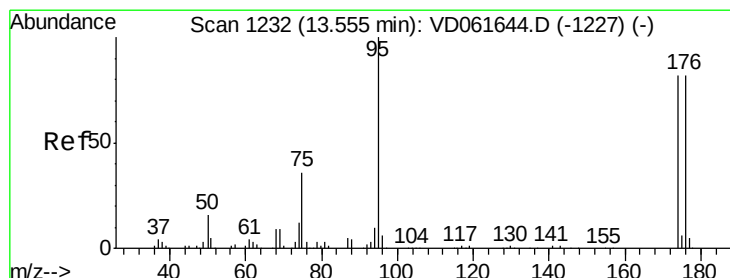
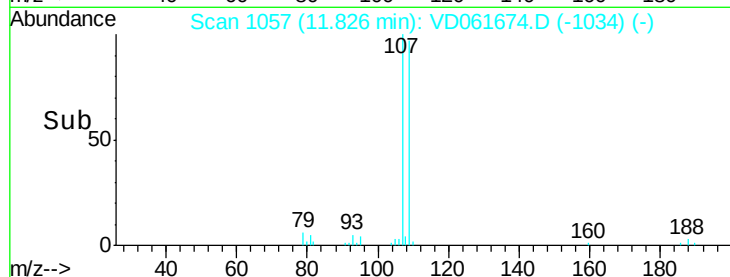
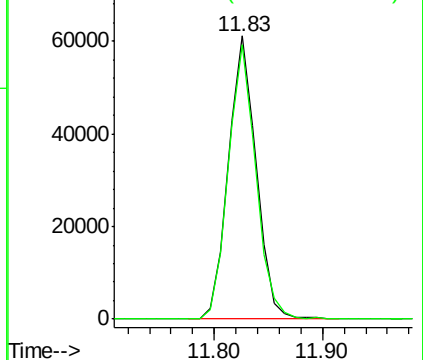
107 100

109 96.9 79.2 118.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 23.359 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.01 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

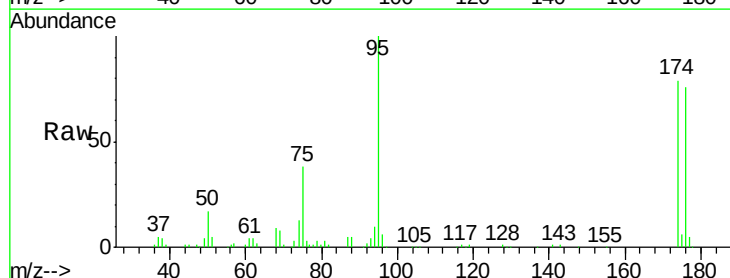
Tgt Ion: 95 Resp: 250656

Ion Ratio Lower Upper

95 100

174 79.3 0.0 164.6

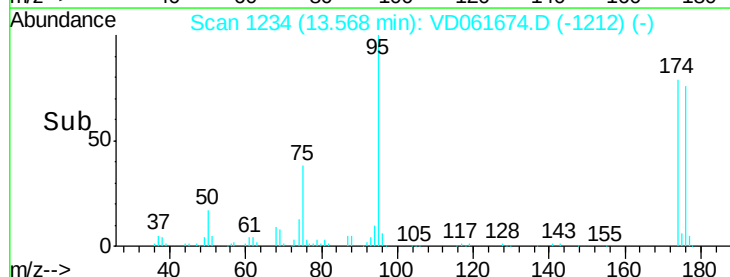
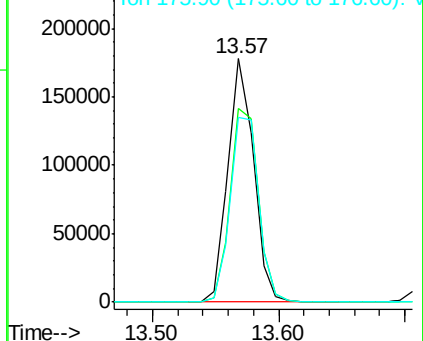
176 75.7 0.0 165.0

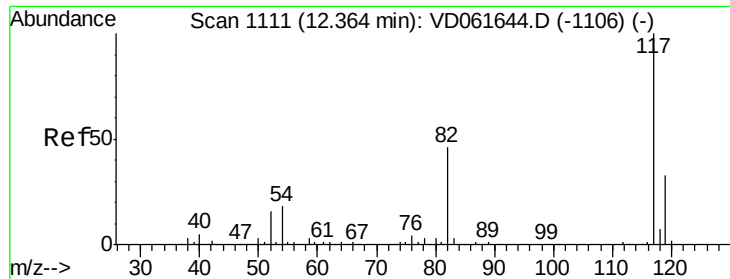


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

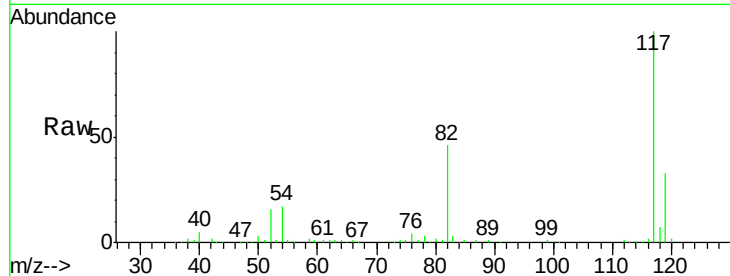




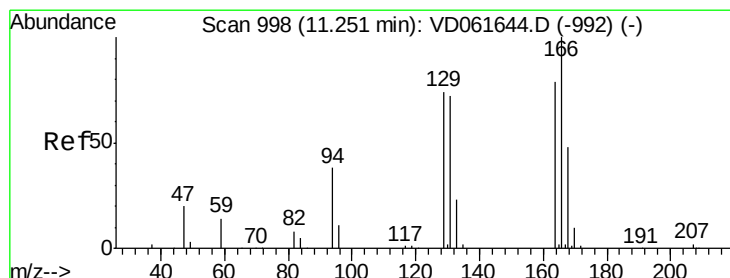
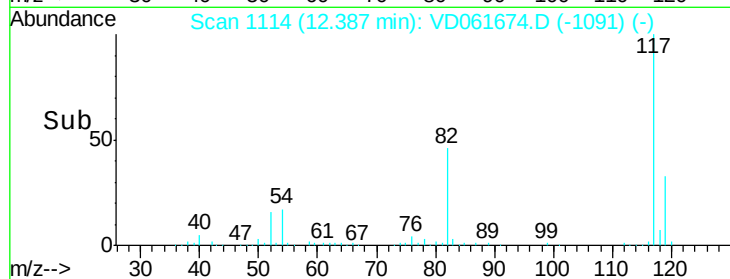
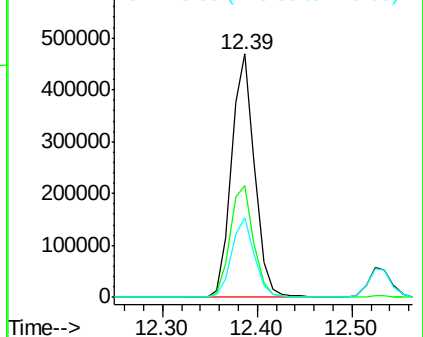
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.02 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 790073
Ion Ratio Lower Upper
117 100
82 45.7 36.8 55.2
119 32.7 26.1 39.1

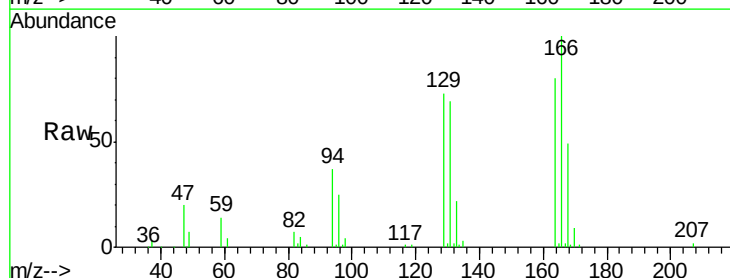


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

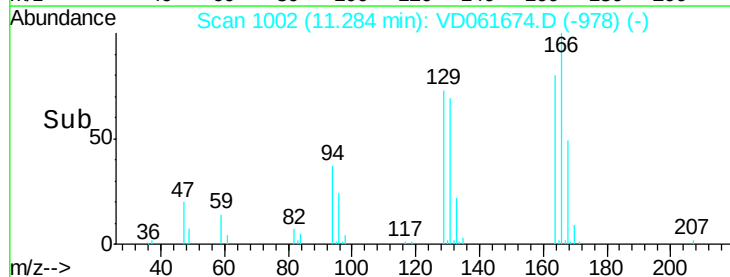
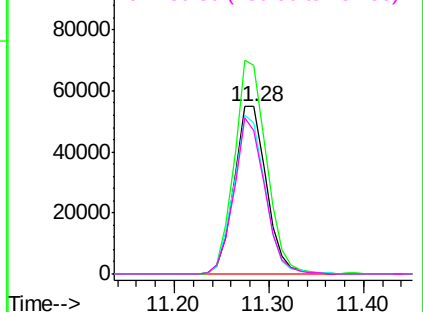


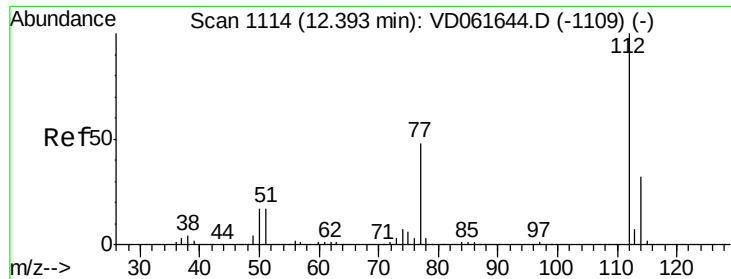
#64
Tetrachloroethene
Concen: 21.034 ug/l
RT: 11.28 min Scan# 1002
Delta R.T. 0.03 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

Tgt Ion:164 Resp: 128999
Ion Ratio Lower Upper
164 100
166 124.3 101.8 152.8
129 90.2 75.4 113.0
131 85.9 73.6 110.4



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

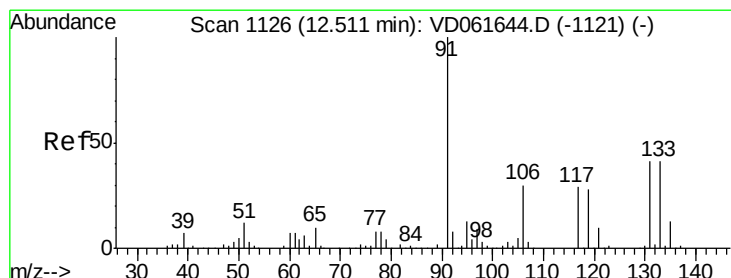
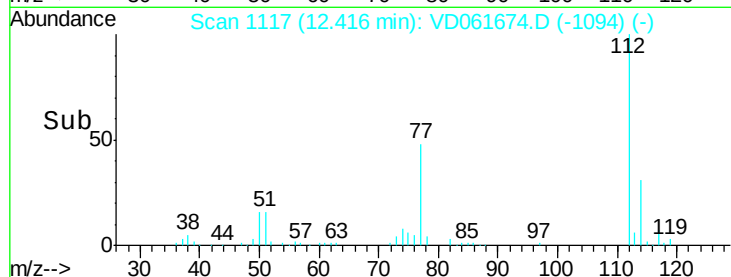
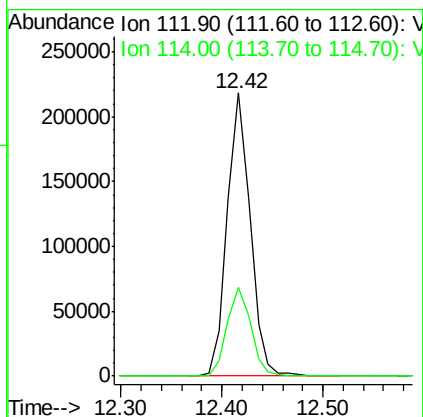
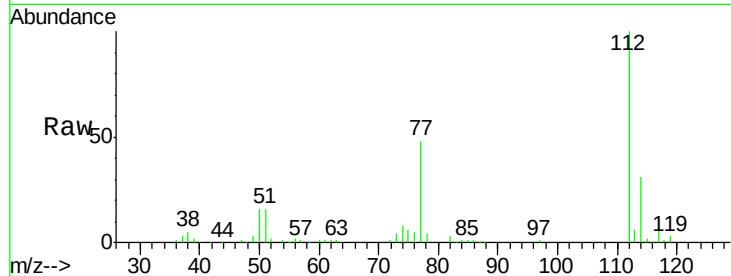




#65
Chlorobenzene
Concen: 22.160 ug/l
RT: 12.42 min Scan# 1117
Delta R.T. 0.02 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

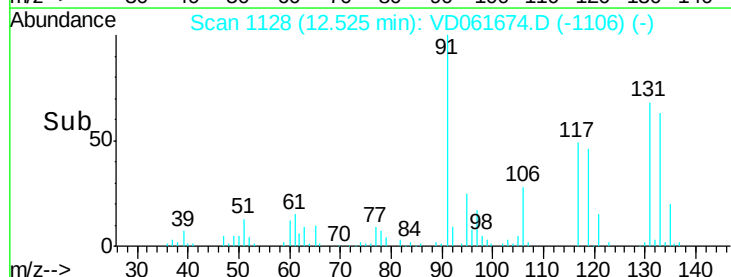
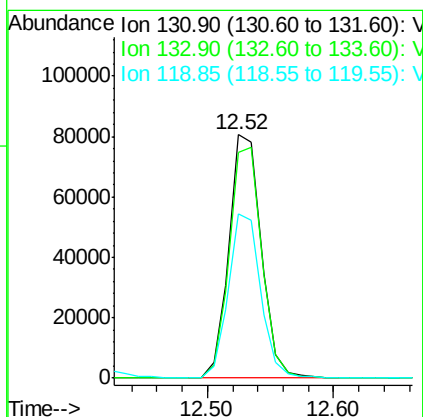
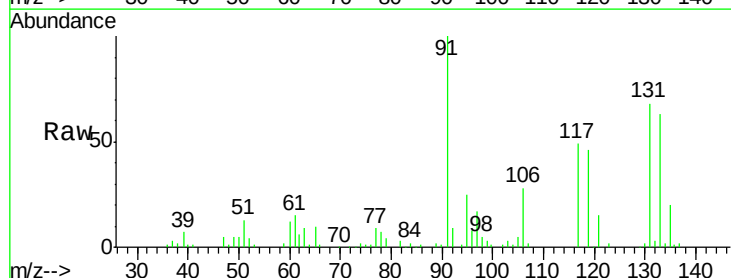
Instrument :
MSVOA_D
ClientSampled :

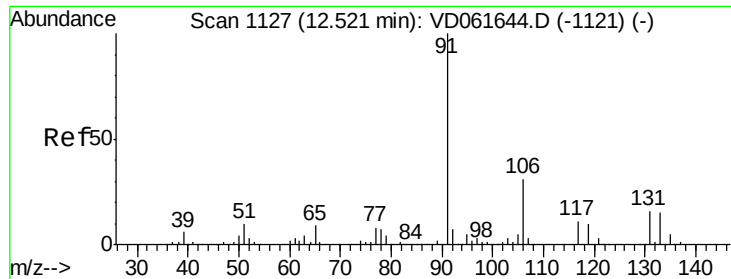
Tot Ion:112 Resp: 347197
Ion Ratio Lower Upper
112 100
114 31.5 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 23.500 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

Tgt Ion:131 Resp: 141687
Ion Ratio Lower Upper
131 100
133 92.7 49.5 148.3
119 67.6 34.7 104.1

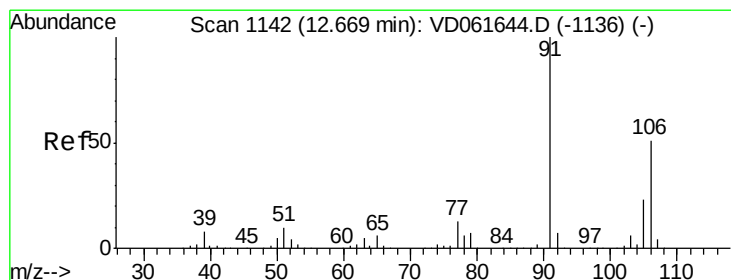
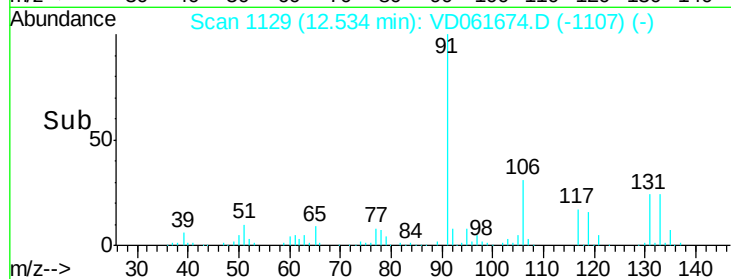
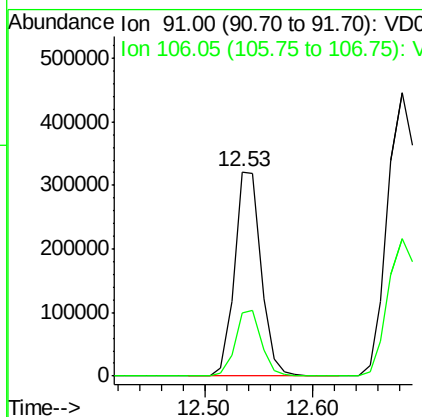
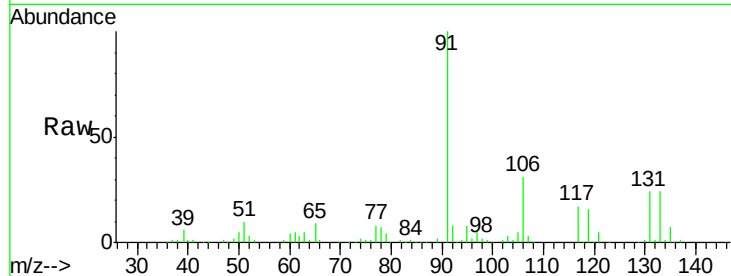




#67
Ethyl Benzene
Concen: 23.176 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

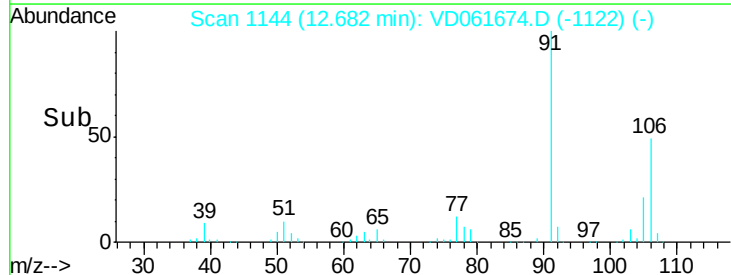
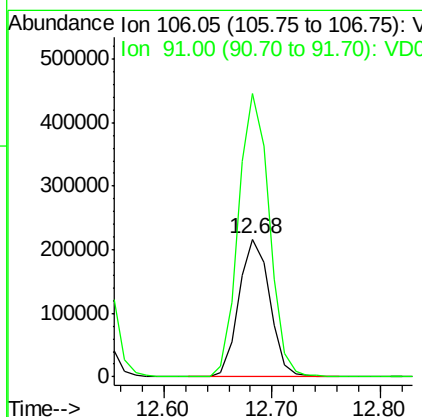
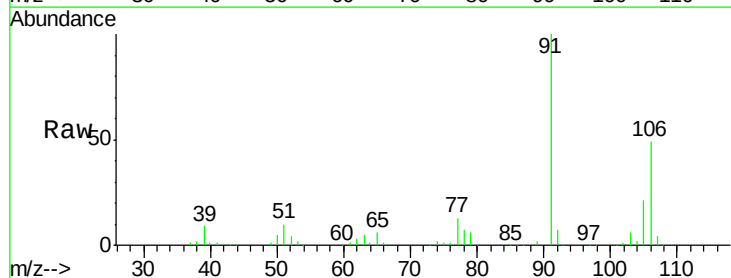
Instrument :
MSVOA_D
ClientSampleId :

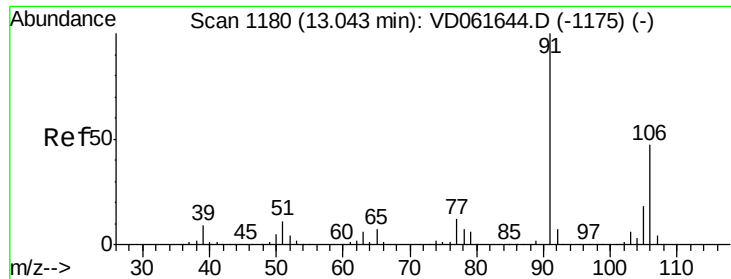
Tot Ion: 91 Resp: 552952
Ion Ratio Lower Upper
91 100
106 30.8 24.6 37.0



#68
m/p-Xylenes
Concen: 46.565 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

Tgt Ion: 106 Resp: 428316
Ion Ratio Lower Upper
106 100
91 205.8 156.7 235.1

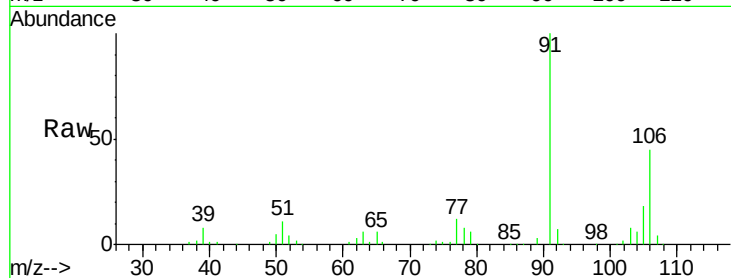




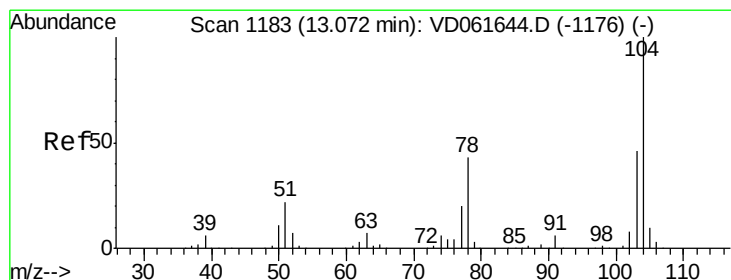
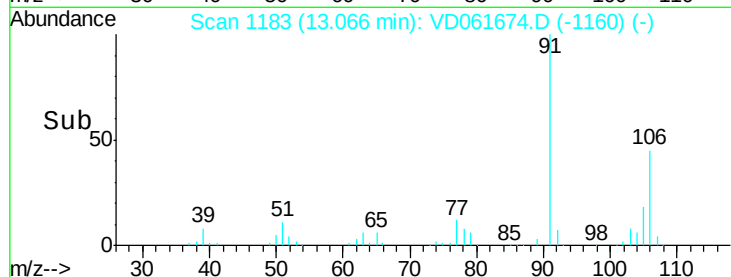
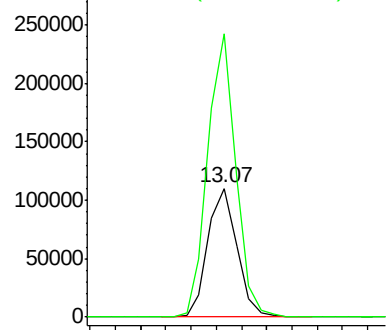
#69
o-Xylene
Concen: 19.773 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.02 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 175566
Ion Ratio Lower Upper
106 100
91 220.3 107.3 321.9

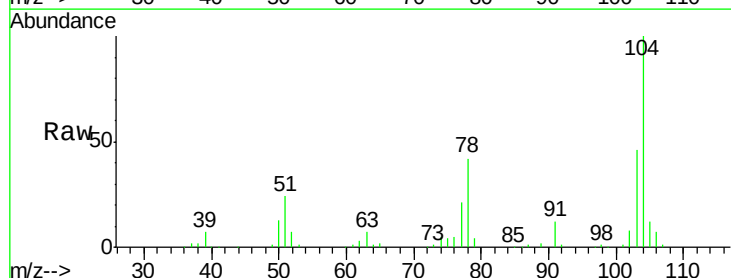


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

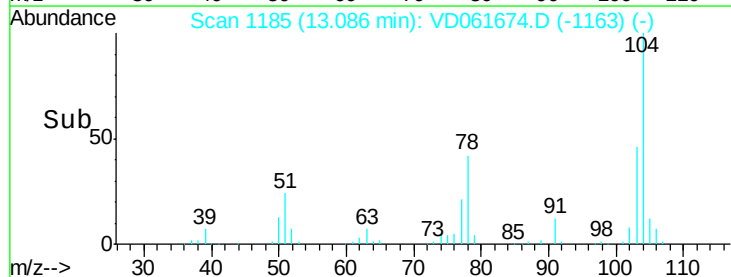
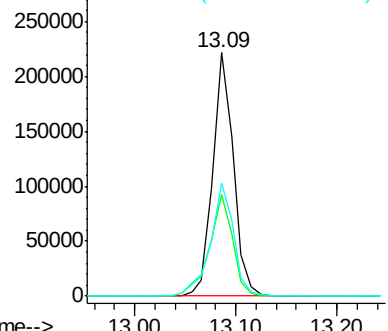


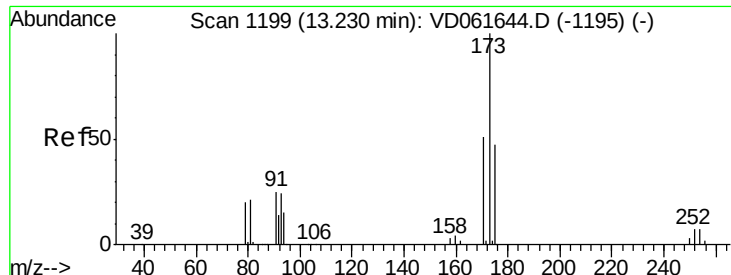
#70
Styrene
Concen: 20.740 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

Tgt Ion:104 Resp: 314493
Ion Ratio Lower Upper
104 100
78 41.8 34.2 51.4
103 46.4 37.2 55.8



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





#71

Bromoform

Concen: 21.984 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.02 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

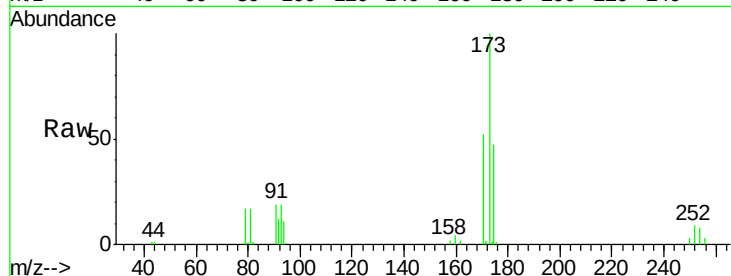
Tot Ion:173 Resp: 82239

Ion Ratio Lower Upper

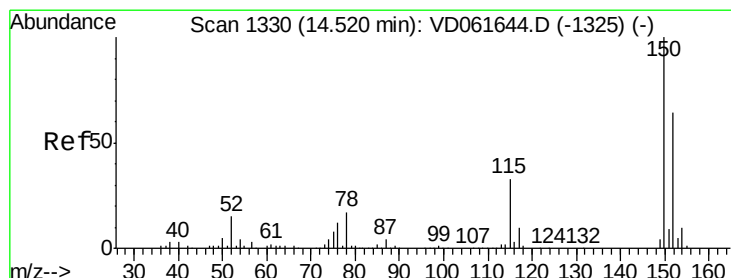
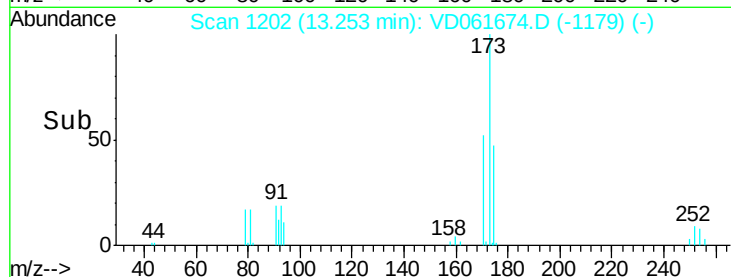
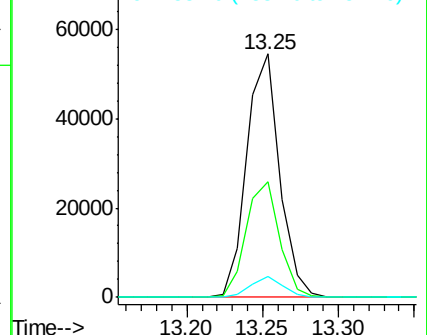
173 100

175 47.3 23.7 71.1

254 8.4 5.8 8.6



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: 14.53 min Scan# 1332

Delta R.T. 0.01 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

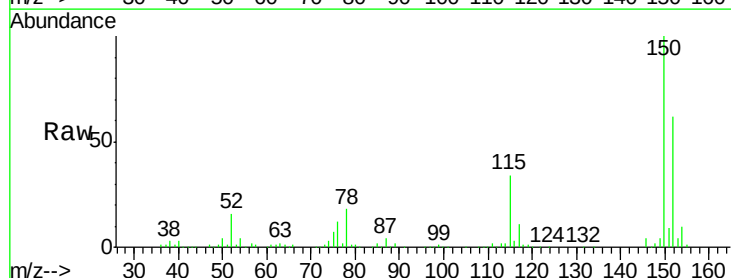
Tgt Ion:152 Resp: 356015

Ion Ratio Lower Upper

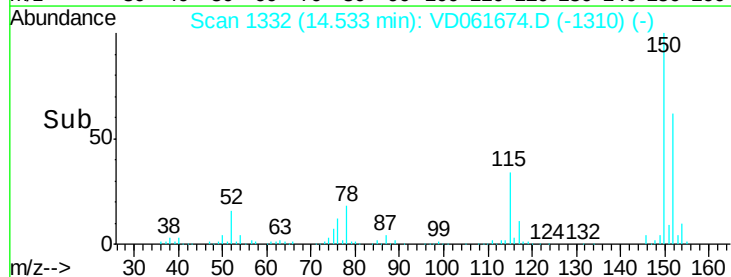
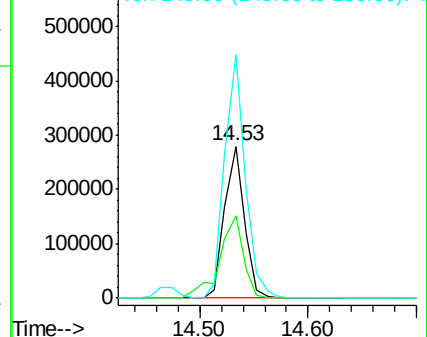
152 100

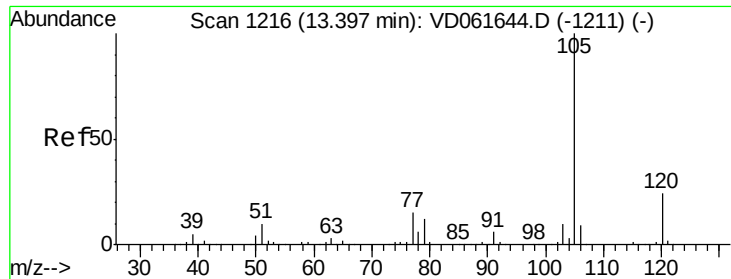
115 54.4 26.4 79.2

150 160.2 0.0 320.6



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: 23.852 ug/l

RT: 13.42 min Scan# 1219

Delta R.T. 0.02 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

Instrument :

MSVOA_D

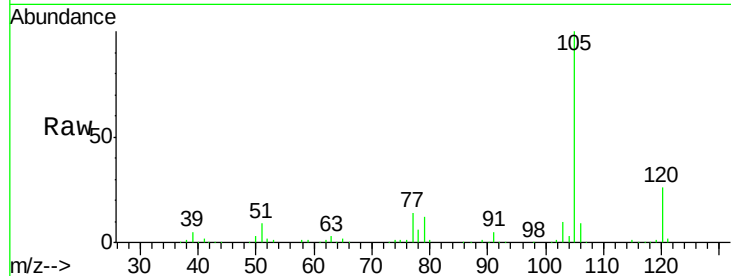
ClientSampleId :

Tot Ion:105 Resp: 565814

Ion Ratio Lower Upper

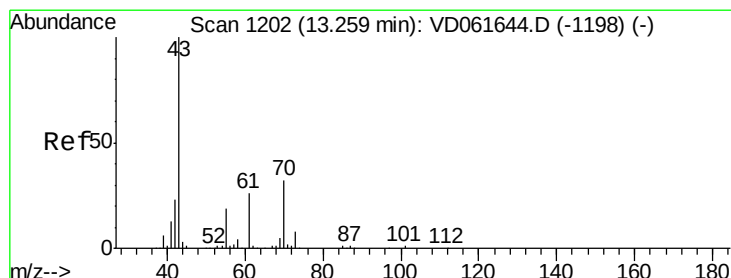
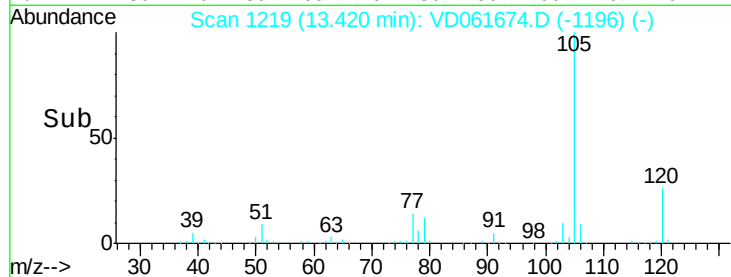
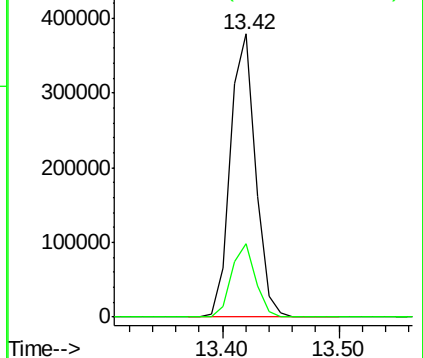
105 100

120 25.8 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.701 ug/l

RT: 13.28 min Scan# 1205

Delta R.T. 0.02 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

Tgt Ion: 43 Resp: 133424

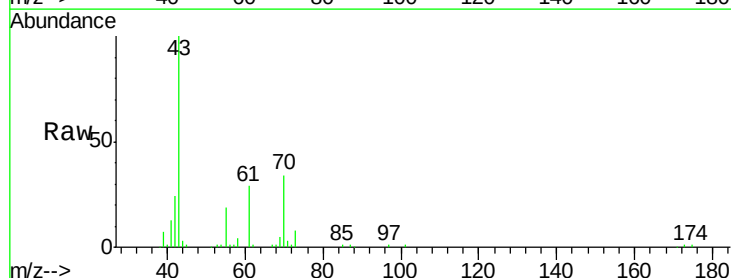
Ion Ratio Lower Upper

43 100

70 34.5 25.4 38.2

55 19.3 15.0 22.4

61 28.8 20.9 31.3

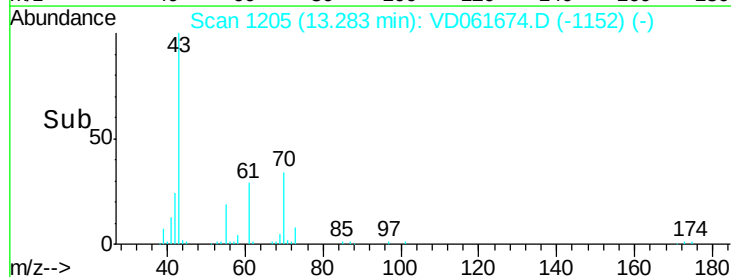
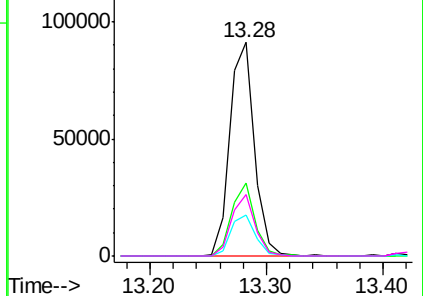


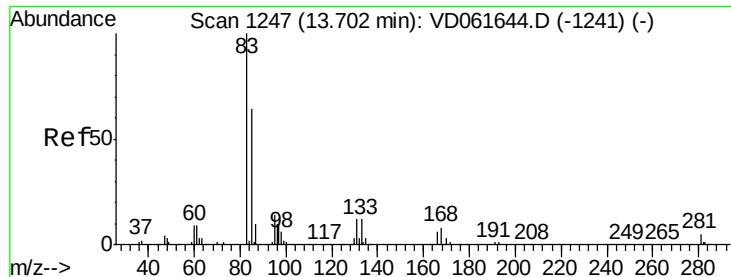
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.766 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

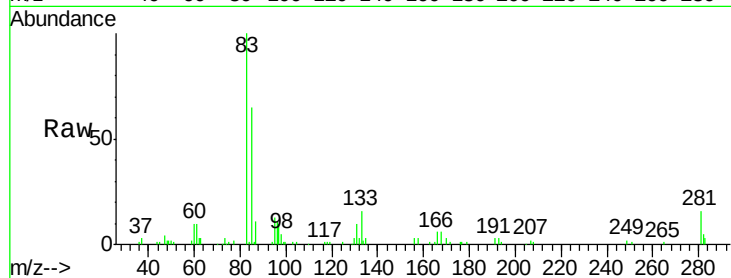
Tot Ion: 83 Resp: 96951

Ion Ratio Lower Upper

83 100

131 10.3 5.9 17.6

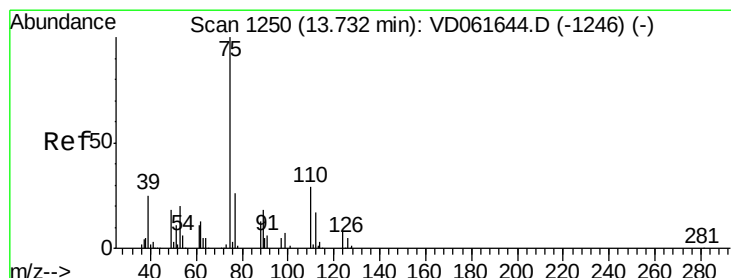
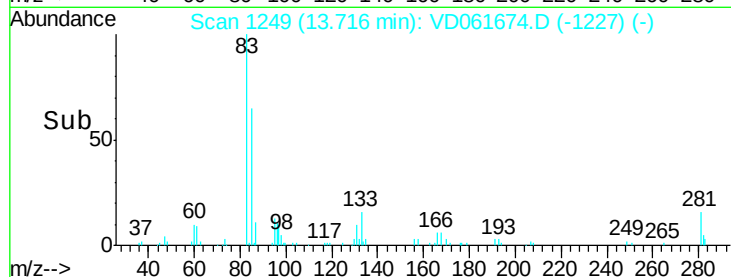
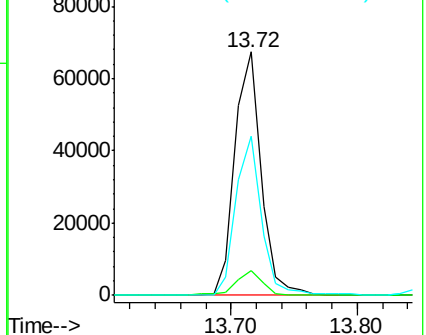
85 65.3 32.0 96.2



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: 22.442 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VD061674.D

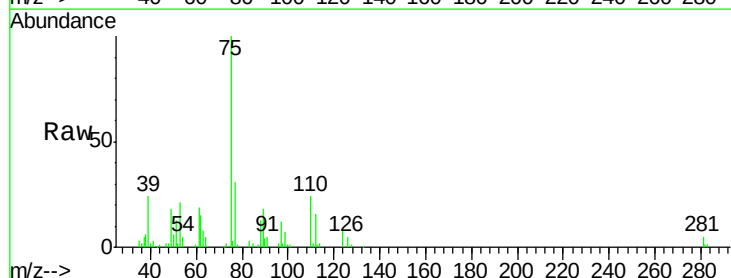
Acq: 9 Apr 2019 14:56

Tgt Ion: 75 Resp: 108701

Ion Ratio Lower Upper

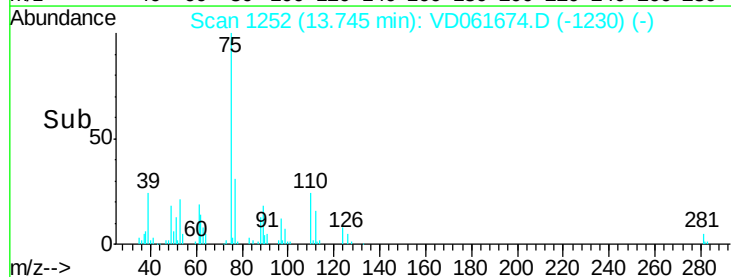
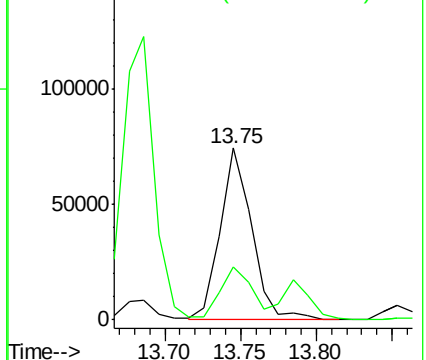
75 100

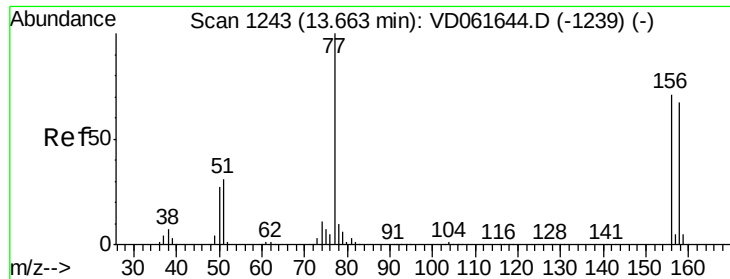
77 30.7 15.7 47.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.851 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.02 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

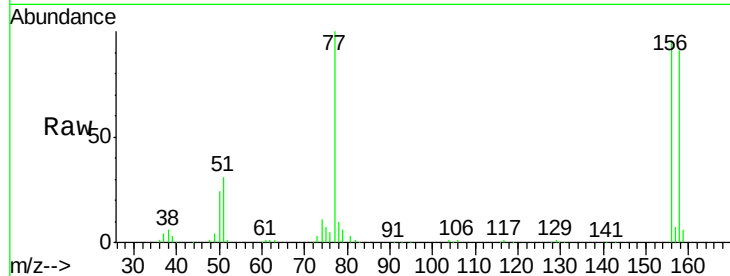
Tot Ion:156 Resp: 150455

Ion Ratio Lower Upper

156 100

77 104.5 70.3 210.8

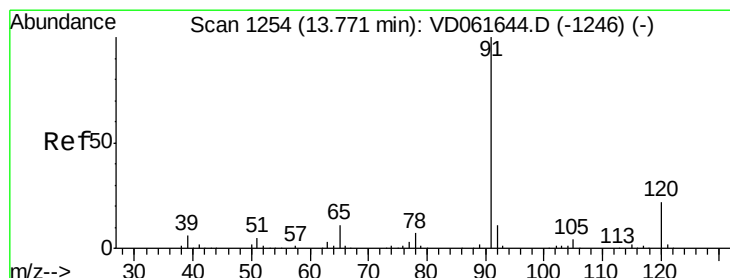
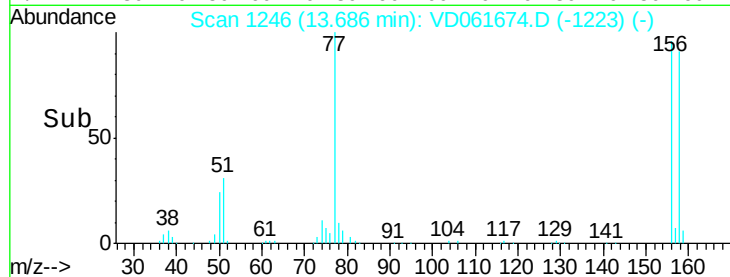
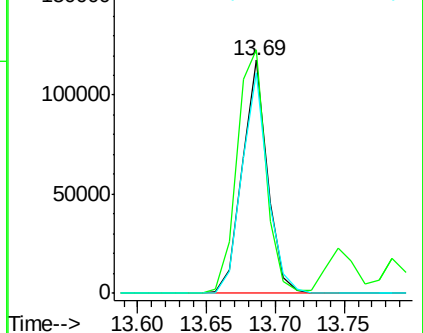
158 94.8 47.4 142.2



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: 22.129 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD061674.D

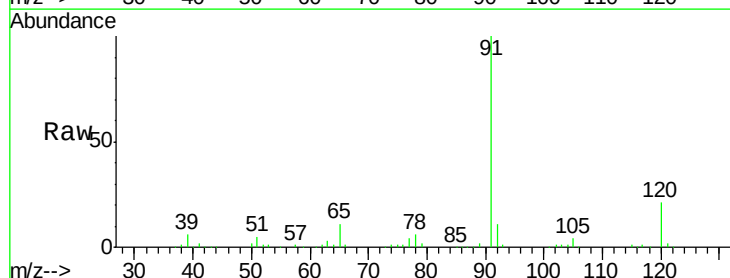
Acq: 9 Apr 2019 14:56

Tgt Ion: 91 Resp: 627931

Ion Ratio Lower Upper

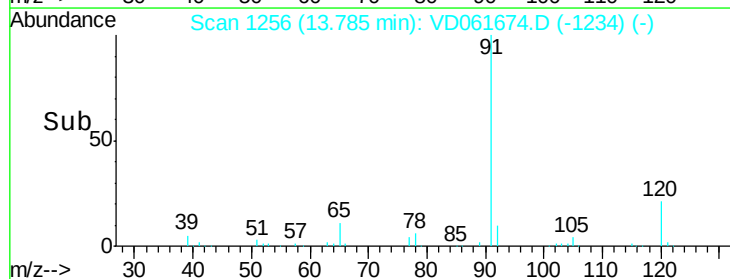
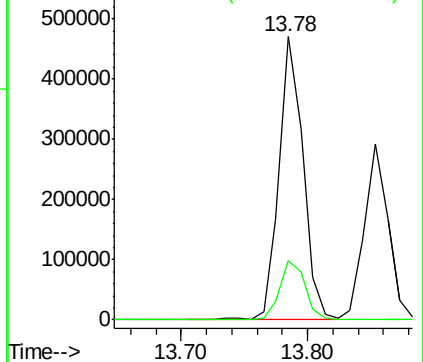
91 100

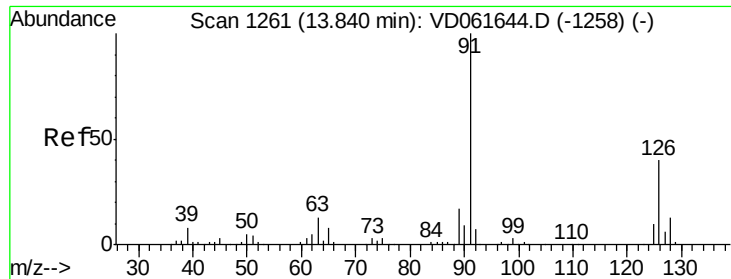
120 21.0 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

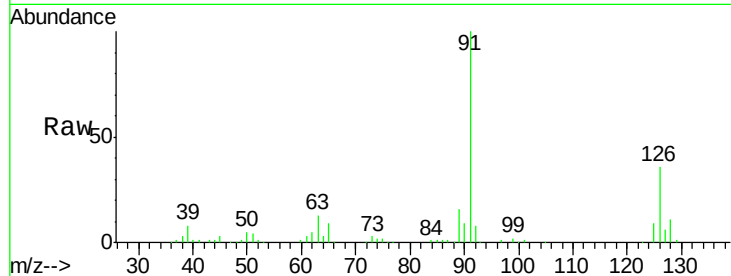




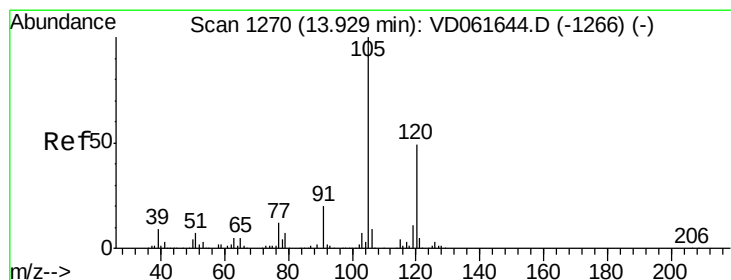
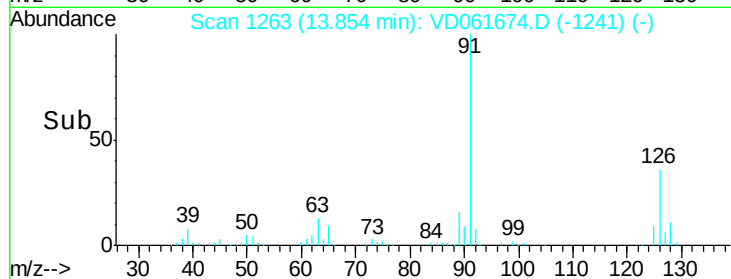
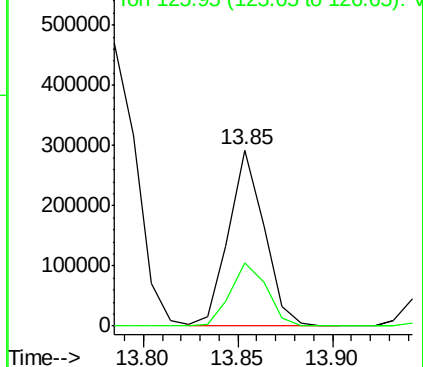
#79
 2-Chlorotoluene
 Concen: 23.393 ug/l
 RT: 13.85 min Scan# 1263
 Delta R.T. 0.01 min
 Lab File: VD061674.D
 Acq: 9 Apr 2019 14:56

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 379589
 Ion Ratio Lower Upper
 91 100
 126 35.5 20.0 59.9

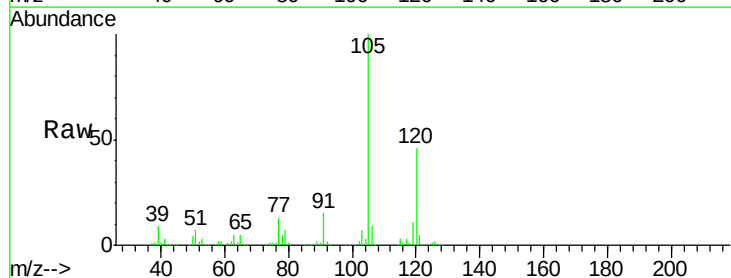


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

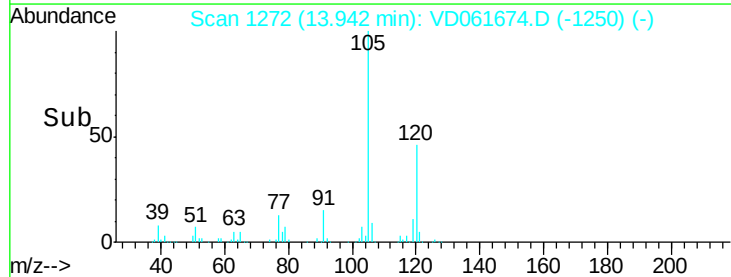
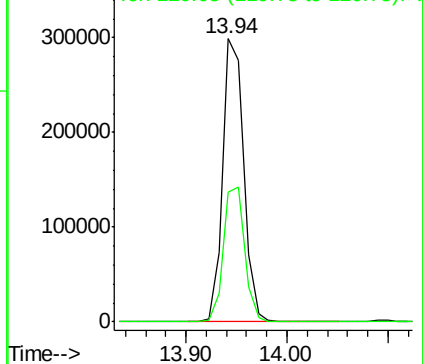


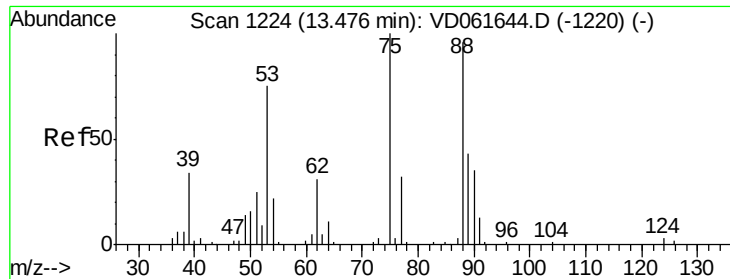
#80
 1,3,5-Trimethylbenzene
 Concen: 23.118 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD061674.D
 Acq: 9 Apr 2019 14:56

Tgt Ion: 105 Resp: 435271
 Ion Ratio Lower Upper
 105 100
 120 45.9 24.4 73.2



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: 21.789 ug/l

RT: 13.49 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

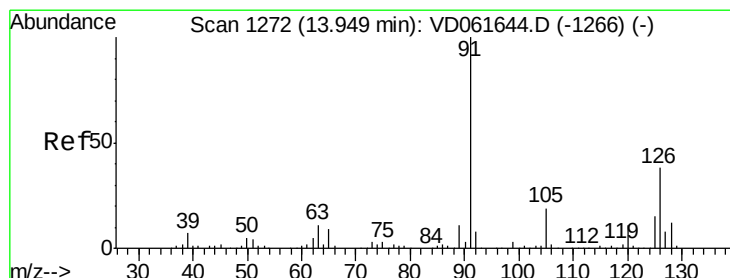
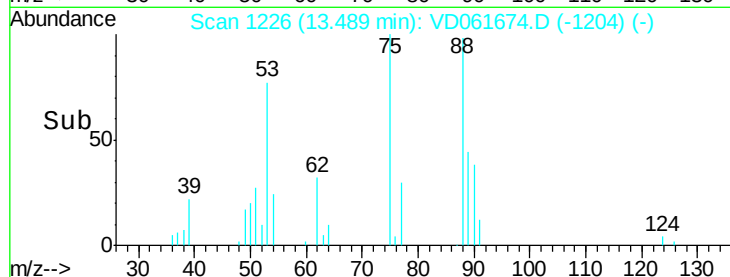
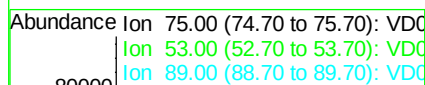
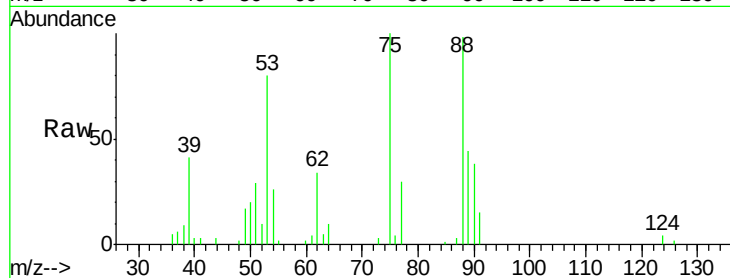
Tot Ion: 75 Resp: 32025

Ion Ratio Lower Upper

75 100

53 80.5 60.2 90.2

89 43.8 34.2 51.2



#82

4-Chlorotoluene

Concen: 23.094 ug/l

RT: 13.96 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD061674.D

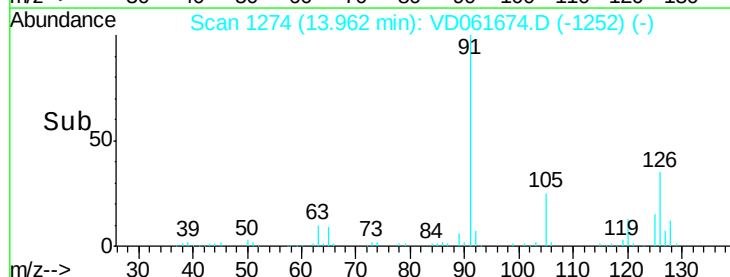
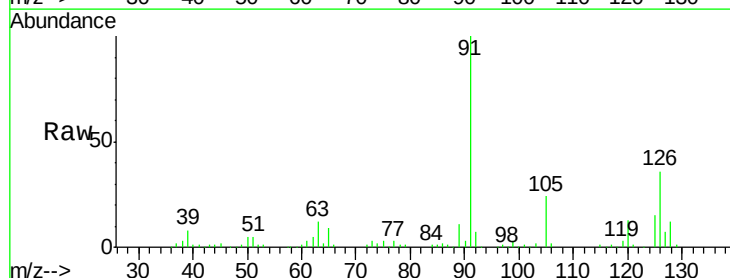
Acq: 9 Apr 2019 14:56

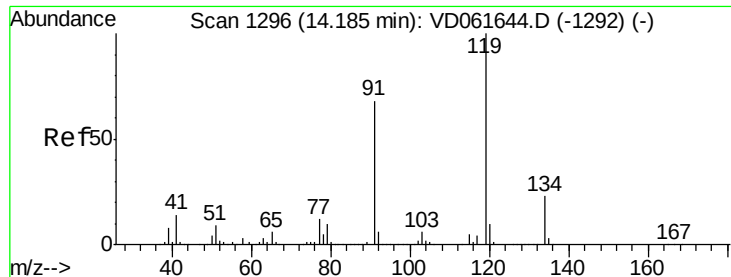
Tgt Ion: 91 Resp: 410633

Ion Ratio Lower Upper

91 100

126 36.0 19.0 57.0





#83

tert-Butylbenzene

Concen: 21.832 ug/l

RT: 14.21 min Scan# 1299

Delta R.T. 0.02 min

Lab File: VD061674.D

Acq: 9 Apr 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

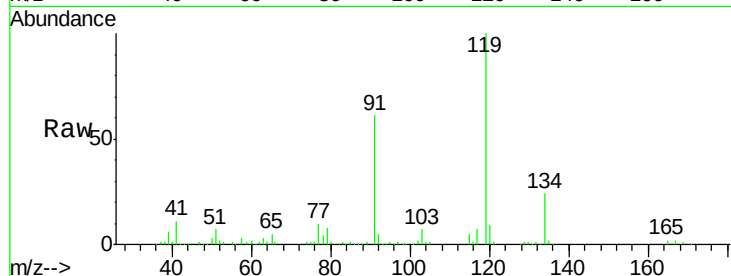
Tot Ion:119 Resp: 495612

Ion Ratio Lower Upper

119 100

91 61.2 33.9 101.6

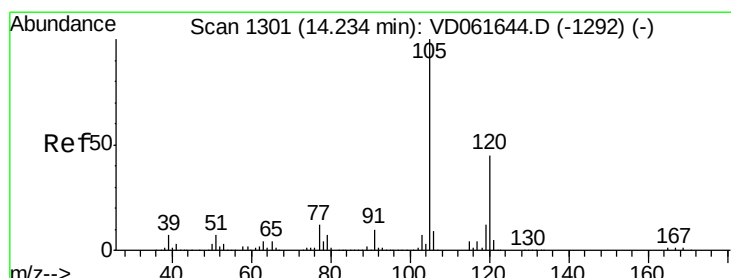
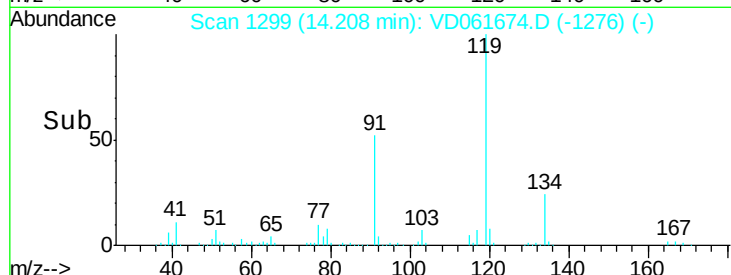
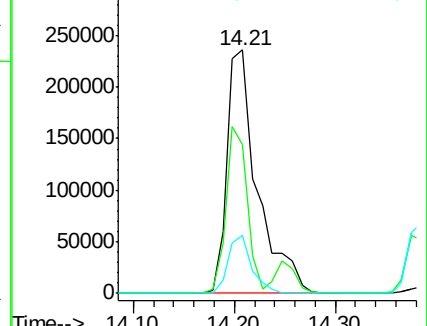
134 24.1 11.6 34.8



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: 23.086 ug/l

RT: 14.25 min Scan# 1303

Delta R.T. 0.01 min

Lab File: VD061674.D

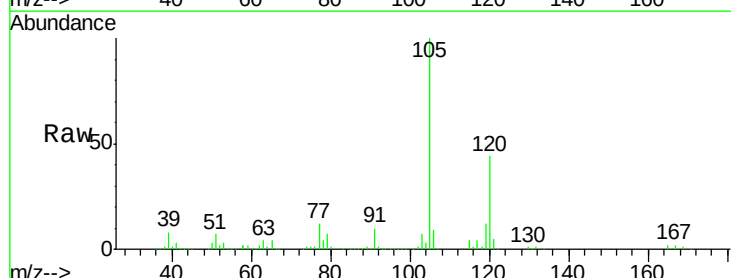
Acq: 9 Apr 2019 14:56

Tgt Ion:105 Resp: 438691

Ion Ratio Lower Upper

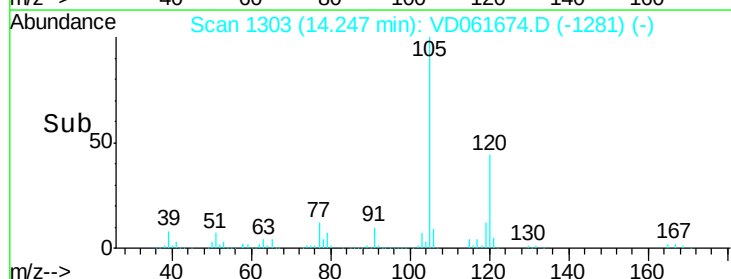
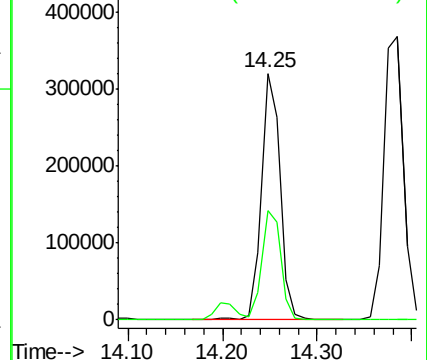
105 100

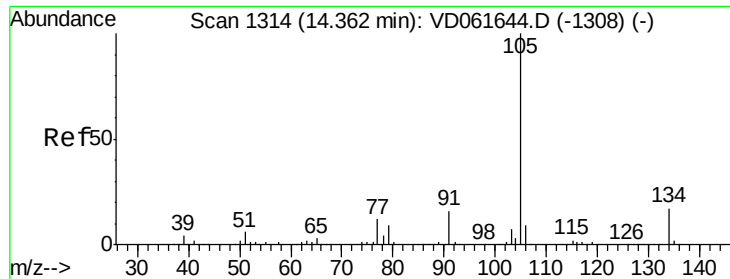
120 44.4 22.6 67.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

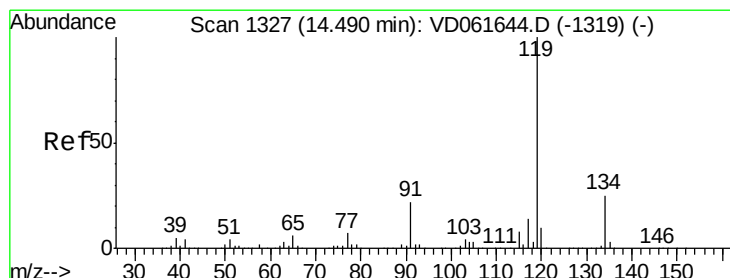
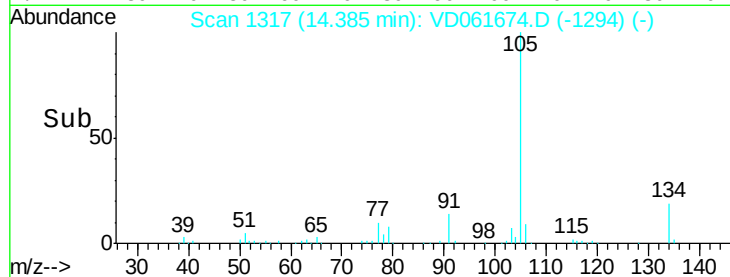
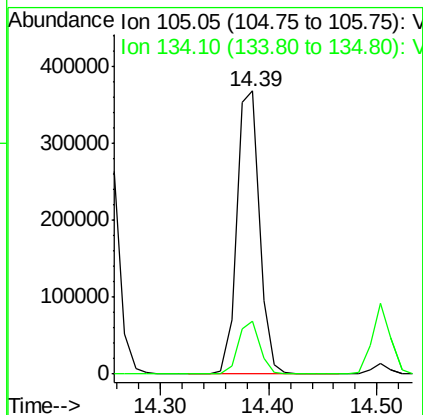
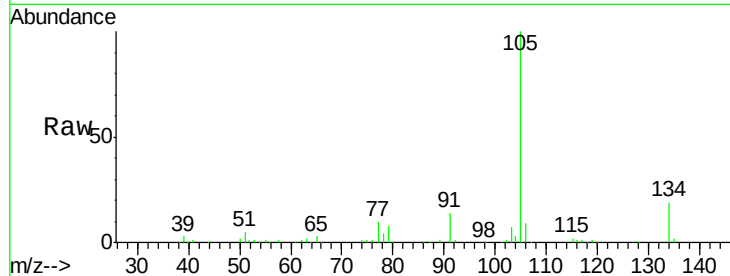




#85
 sec-Butylbenzene
 Concen: 21.872 ug/l
 RT: 14.39 min Scan# 1317
 Delta R.T. 0.02 min
 Lab File: VD061674.D
 Acq: 9 Apr 2019 14:56

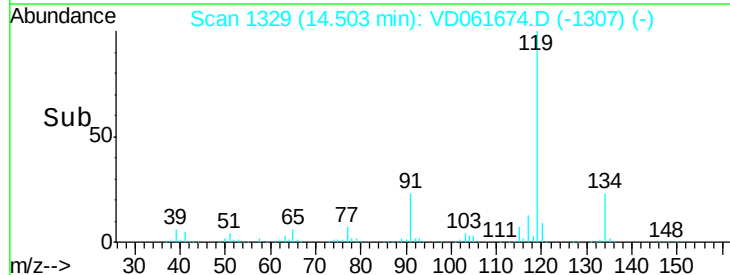
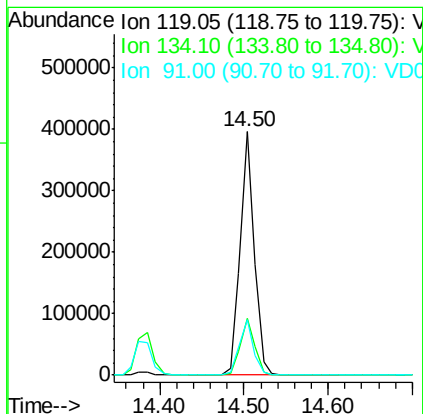
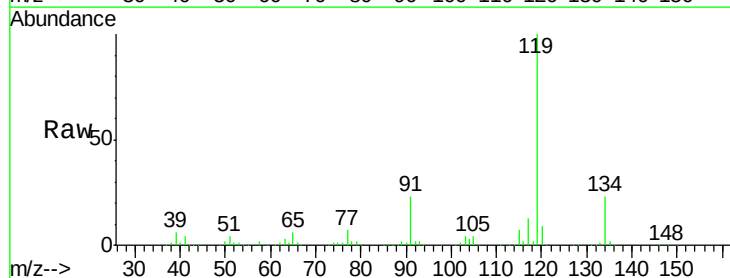
Instrument :
 MSVOA_D
 ClientSampleId :

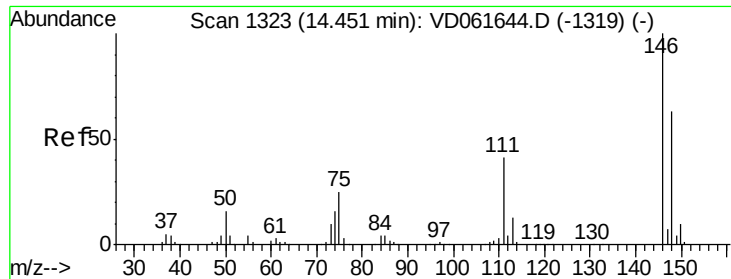
Tot Ion:105 Resp: 536455
 Ion Ratio Lower Upper
 105 100
 134 18.6 8.6 25.7



#86
 p-Isopropyltoluene
 Concen: 21.685 ug/l
 RT: 14.50 min Scan# 1329
 Delta R.T. 0.01 min
 Lab File: VD061674.D
 Acq: 9 Apr 2019 14:56

Tgt Ion:119 Resp: 461389
 Ion Ratio Lower Upper
 119 100
 134 23.2 12.5 37.5
 91 22.9 11.0 33.0

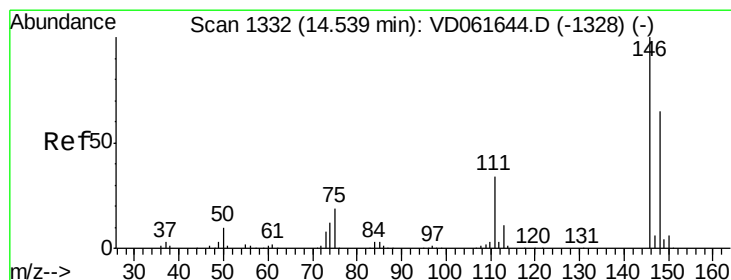
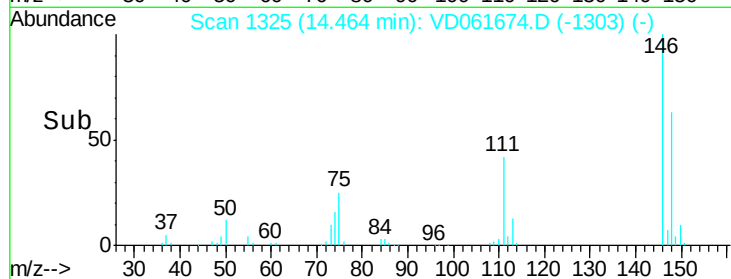
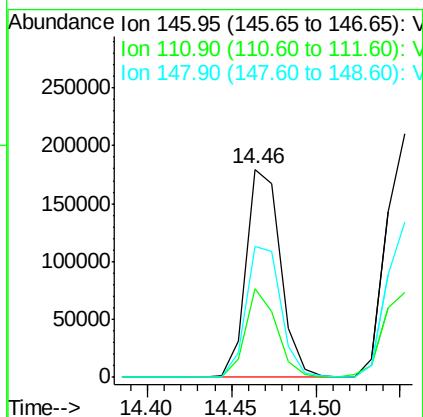
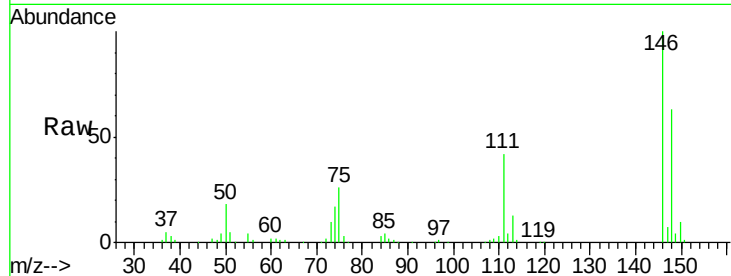




#87
 1,3-Dichlorobenzene
 Concen: 21.482 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD061674.D
 Acq: 9 Apr 2019 14:56

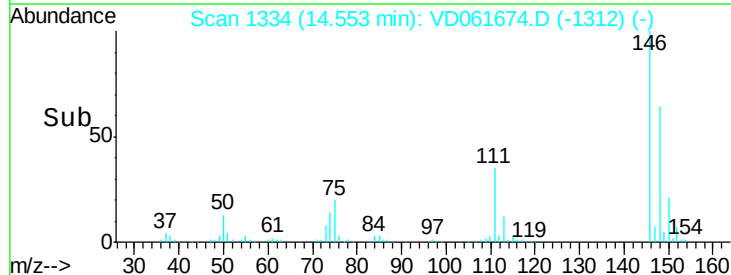
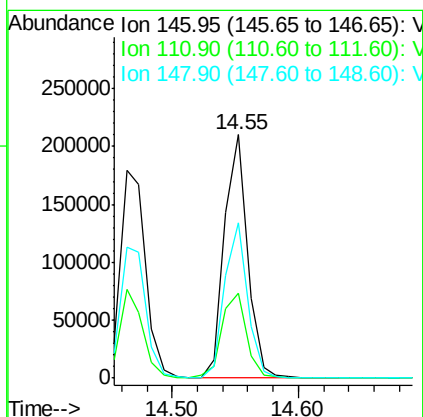
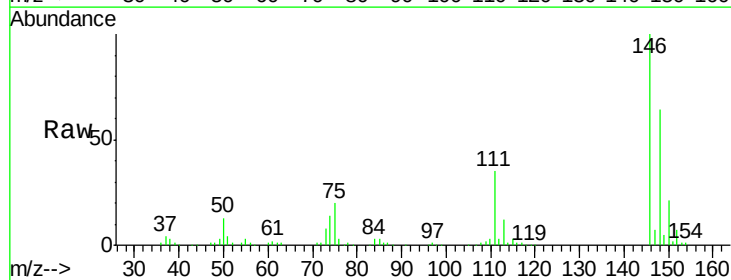
Instrument :
 MSVOA_D
 ClientSampleId :

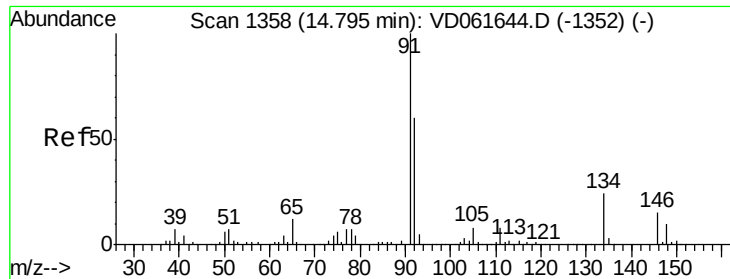
Tot Ion:146 Resp: 254567
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.3 61.0
 148 62.8 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 22.341 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. 0.01 min
 Lab File: VD061674.D
 Acq: 9 Apr 2019 14:56

Tgt Ion:146 Resp: 267127
 Ion Ratio Lower Upper
 146 100
 111 35.0 17.1 51.2
 148 63.9 32.6 97.7

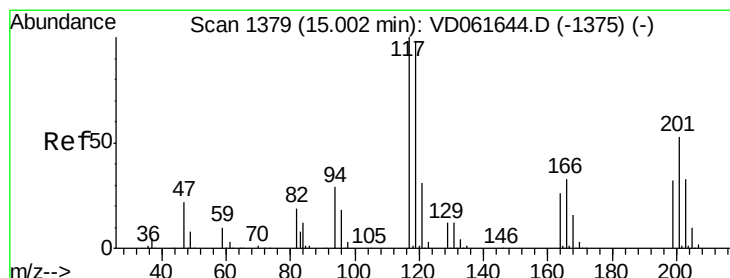
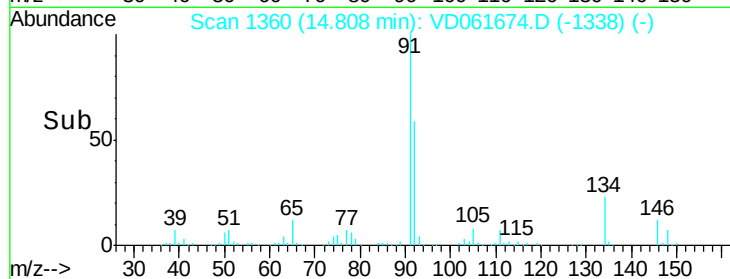
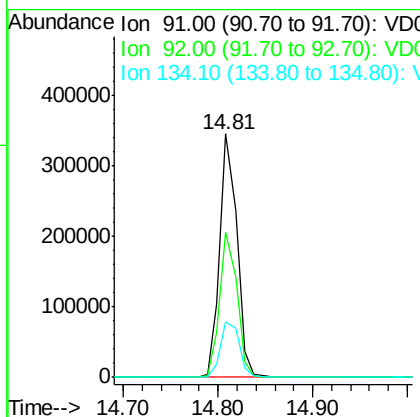
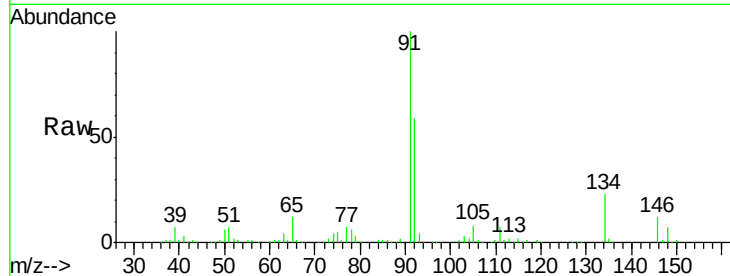




#89
n-Butylbenzene
Concen: 23.570 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

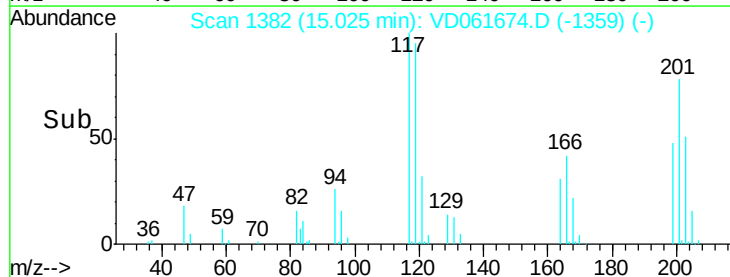
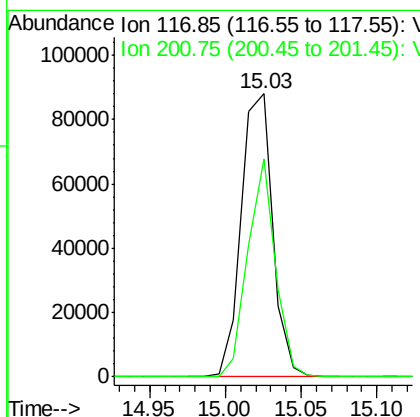
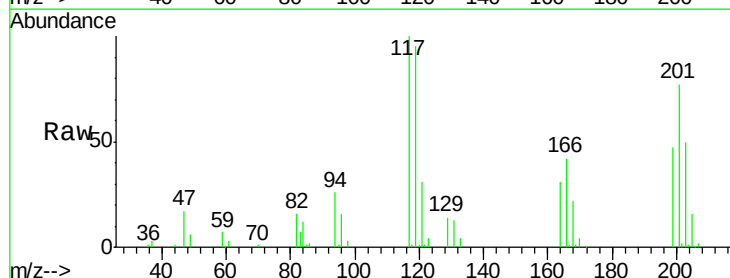
Instrument :
MSVOA_D
ClientSampled :

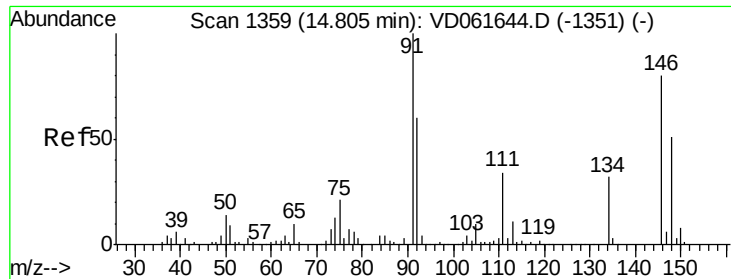
Tot Ion: 91 Resp: 435904
Ion Ratio Lower Upper
91 100
92 59.4 29.8 89.4
134 23.0 12.2 36.4



#90
Hexachloroethane
Concen: 21.964 ug/l
RT: 15.03 min Scan# 1382
Delta R.T. 0.02 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

Tgt Ion: 117 Resp: 126804
Ion Ratio Lower Upper
117 100
201 77.0 26.3 78.8

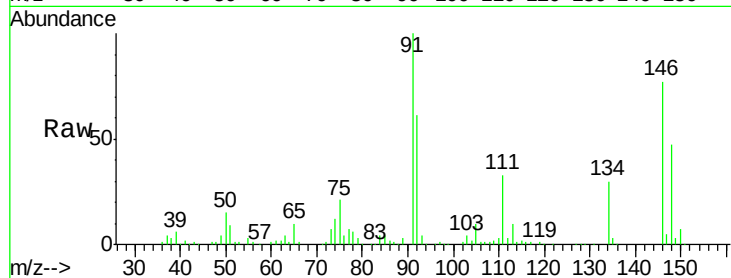




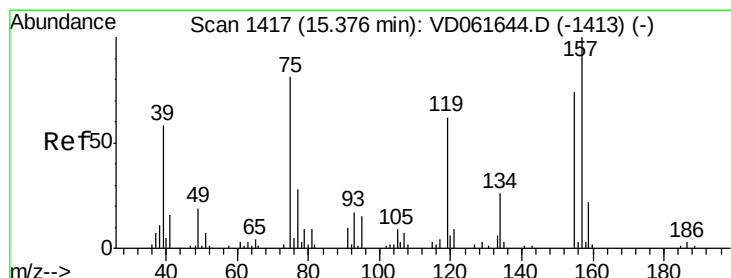
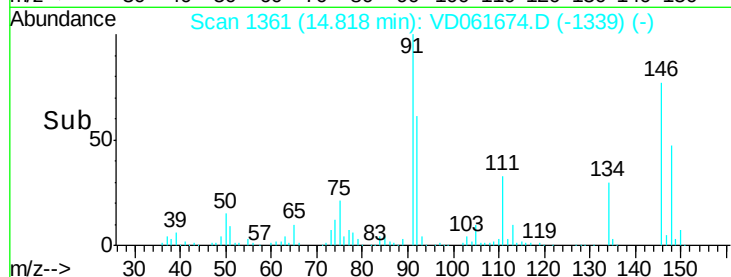
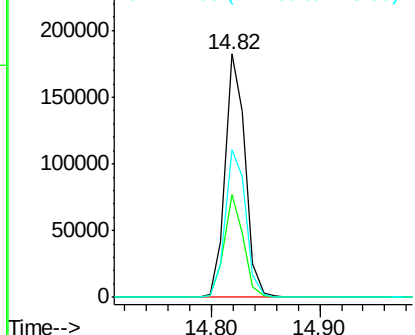
#91
 1,2-Dichlorobenzene
 Concen: 23.981 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD061674.D
 Acq: 9 Apr 2019 14:56

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 234207
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.1 63.3
 148 60.7 31.7 95.1

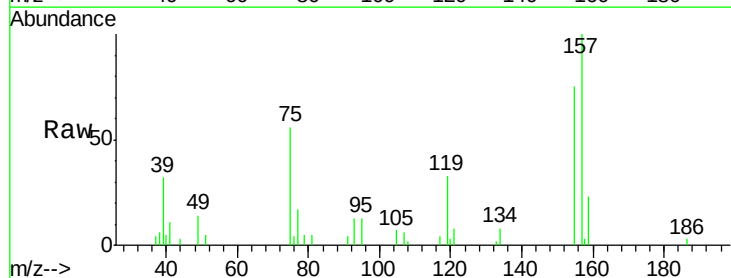


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

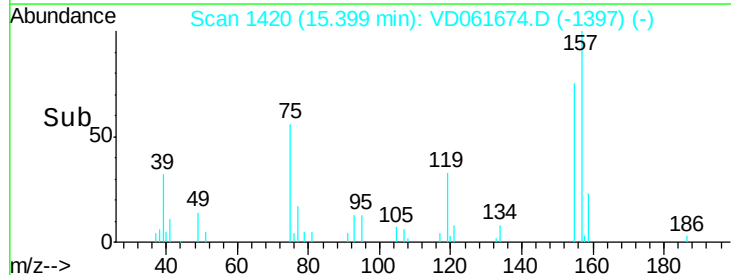
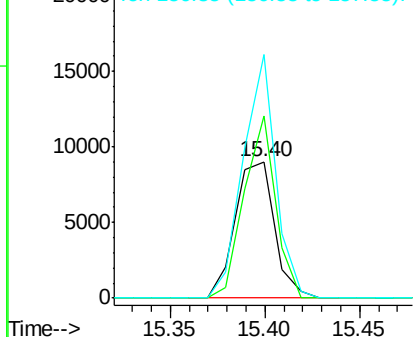


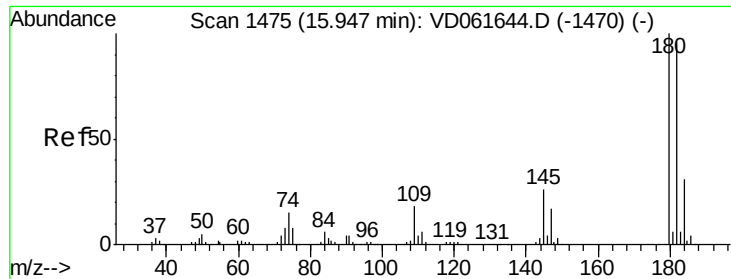
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.881 ug/l
 RT: 15.40 min Scan# 1420
 Delta R.T. 0.02 min
 Lab File: VD061674.D
 Acq: 9 Apr 2019 14:56

Tgt Ion: 75 Resp: 12951
 Ion Ratio Lower Upper
 75 100
 155 134.2 45.6 136.7
 157 178.8 61.4 184.2



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

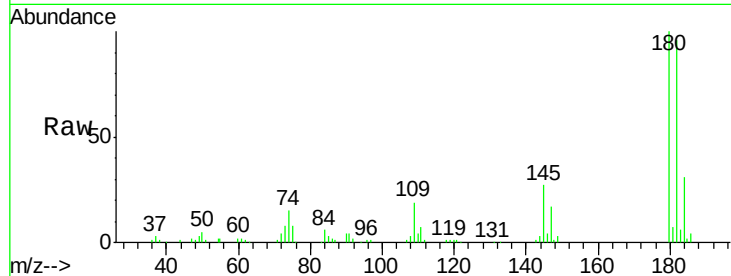




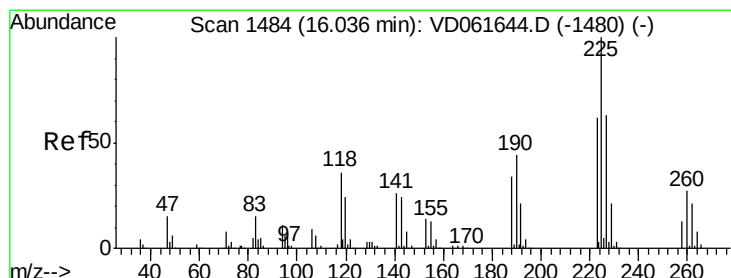
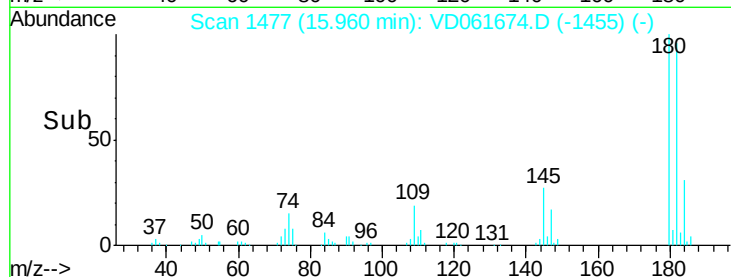
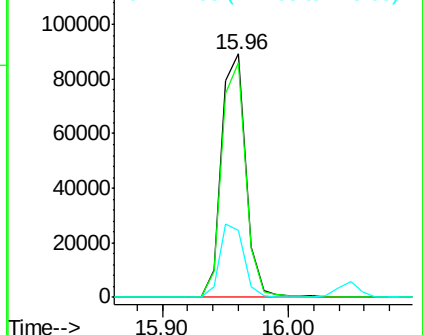
#93
 1,2,4-Trichlorobenzene
 Concen: 24.081 ug/l
 RT: 15.96 min Scan# 1477
 Delta R.T. 0.01 min
 Lab File: VD061674.D
 Acq: 9 Apr 2019 14:56

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:180 Resp: 119819
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.8 143.3
 145 27.3 13.3 39.8

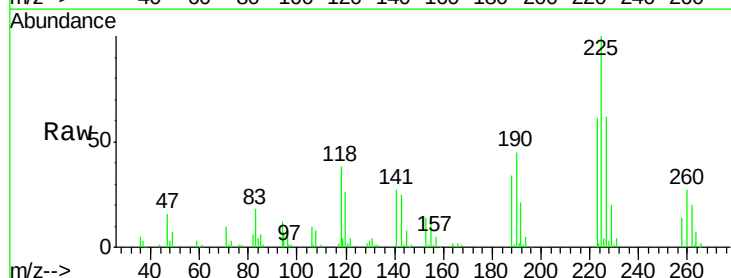


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

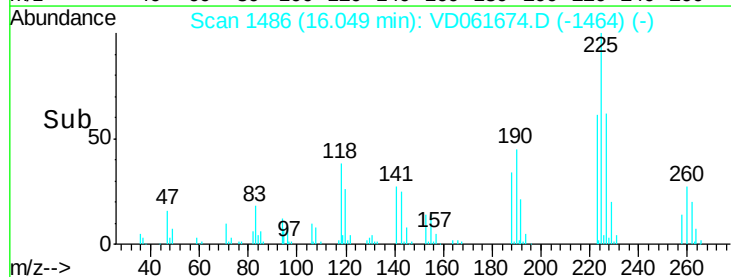
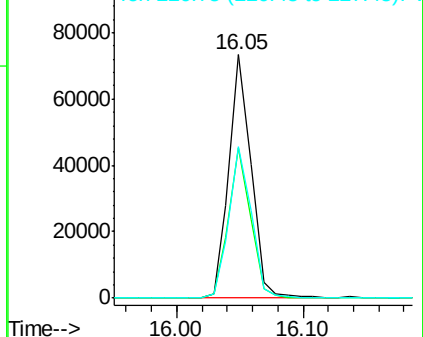


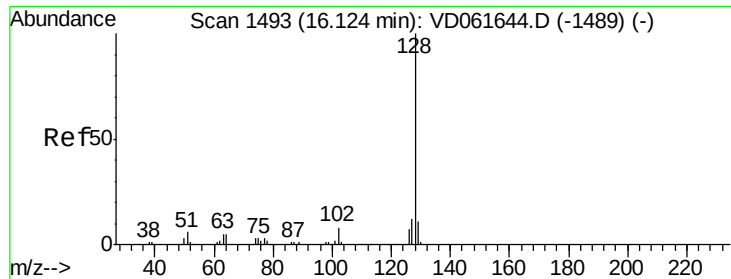
#94
 Hexachlorobutadiene
 Concen: 23.148 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VD061674.D
 Acq: 9 Apr 2019 14:56

Tgt Ion:225 Resp: 88938
 Ion Ratio Lower Upper
 225 100
 223 61.4 30.8 92.3
 227 62.0 31.5 94.5



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

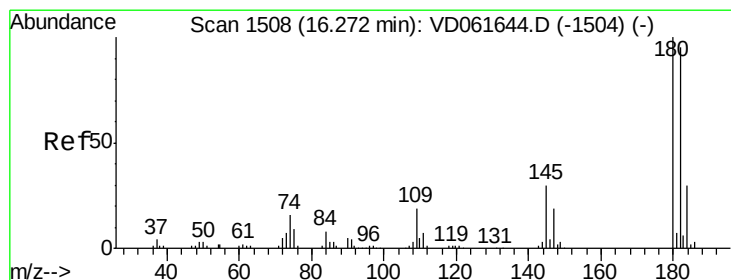
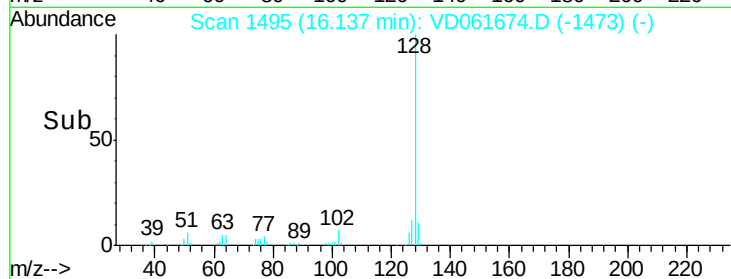
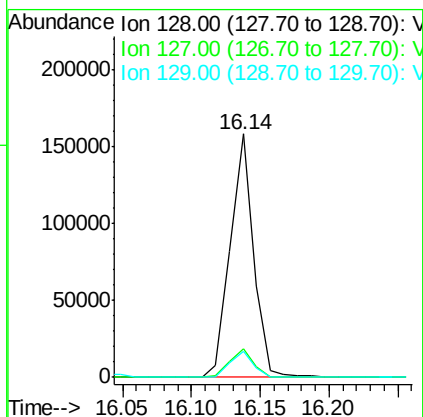
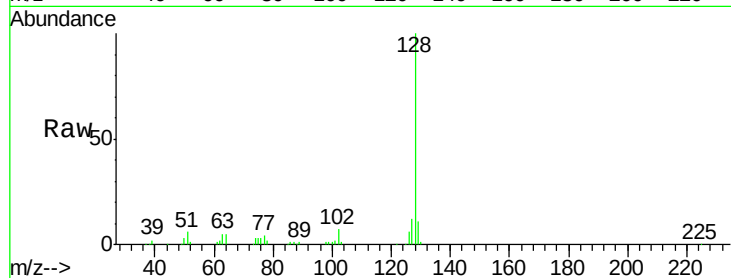




#95
Naphthalene
Concen: 23.692 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 186532
Ion Ratio Lower Upper
128 100
127 11.8 9.4 14.2
129 10.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 30.615 ug/l
RT: 16.29 min Scan# 1510
Delta R.T. 0.01 min
Lab File: VD061674.D
Acq: 9 Apr 2019 14:56

Tgt Ion:180 Resp: 76027
Ion Ratio Lower Upper
180 100
182 100.5 47.3 142.0
145 32.5 15.1 45.3

