

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
 Data File : VD061697.D
 Acq On : 10 Apr 2019 3:54
 Operator : VA/AP
 Sample : VD0409SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 10 05:10:23 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	563482	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	958976	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.39	117	798793	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	357466	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	231681	54.24	ug/l	0.02
Spiked Amount	50.000		Recovery	=	108.48%	
35) Dibromofluoromethane	6.95	113	334895	50.41	ug/l	0.03
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	10.43	98	780298	46.75	ug/l	0.02
Spiked Amount	50.000		Recovery	=	93.50%	
62) 4-Bromofluorobenzene	13.57	95	288329	48.92	ug/l	0.01
Spiked Amount	50.000		Recovery	=	97.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	105882	17.418	ug/l	97
3) Chloromethane	1.75	50	93530	19.039	ug/l	97
4) Vinyl Chloride	1.85	62	81146	17.677	ug/l	97
5) Bromomethane	2.15	94	18594	17.501	ug/l	92
6) Chloroethane	2.26	64	30145	20.967	ug/l	99
7) Trichlorofluoromethane	2.53	101	131724	19.005	ug/l	95
8) Diethyl Ether	2.88	74	45795	23.543	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.16	101	139345	20.450	ug/l	96
10) Methyl Iodide	3.32	142	170124	19.173	ug/l	92
11) Tert butyl alcohol	4.08	59	31534	110.163	ug/l #	92
12) 1,1-Dichloroethene	3.14	96	117642	20.027	ug/l	99
13) Acrolein	3.04	56	30877	88.473	ug/l	93
14) Allyl chloride	3.64	41	158213	19.747	ug/l	98
15) Acrylonitrile	4.22	53	105143	106.705	ug/l	92
16) Acetone	3.23	43	99107	77.622	ug/l	97
17) Carbon Disulfide	3.39	76	338141	17.716	ug/l	100
18) Methyl Acetate	3.65	43	53874	22.427	ug/l	99
19) Methyl tert-butyl Ether	4.26	73	229737	22.587	ug/l	99
20) Methylene Chloride	3.83	84	150972	20.837	ug/l	95
21) trans-1,2-Dichloroethene	4.24	96	129018	20.222	ug/l	97
22) Diisopropyl ether	5.14	45	366763	21.834	ug/l	99
23) Vinyl Acetate	5.08	43	1026799	110.781	ug/l	98
24) 1,1-Dichloroethane	5.01	63	210349	20.435	ug/l	99
25) 2-Butanone	6.10	43	154534	104.988	ug/l	99
26) 2,2-Dichloropropane	6.05	77	166873	19.909	ug/l	97
27) cis-1,2-Dichloroethene	6.06	96	153669	22.577	ug/l	96
28) Bromochloromethane	6.46	49	76967	20.270	ug/l	93
29) Tetrahydrofuran	6.48	42	79211	111.479	ug/l	99
30) Chloroform	6.69	83	235974	21.883	ug/l	98
31) Cyclohexane	6.98	56	145131	18.048	ug/l	95
32) 1,1,1-Trichloroethane	6.89	97	189185	20.020	ug/l	99
36) 1,1-Dichloropropene	7.17	75	168193	20.040	ug/l	98
37) Ethyl Acetate	6.20	43	72345	21.163	ug/l #	93
38) Carbon Tetrachloride	7.14	117	190919	19.410	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	155070	17.997	ug/l	98
40) Benzene	7.48	78	439409	21.702	ug/l	100
41) Methacrylonitrile	6.47	41	90747	22.740	ug/l	96
42) 1,2-Dichloroethane	7.60	62	143839	22.589	ug/l	98
43) Isopropyl Acetate	9.26	43	103541	20.870	ug/l #	100
44) Trichloroethene	8.57	130	156166	20.119	ug/l	89
45) 1,2-Dichloropropane	8.96	63	104975	20.906	ug/l	99
46) Dibromomethane	9.09	93	75615	21.070	ug/l	97
47) Bromodichloromethane	9.39	83	169729	21.534	ug/l	97
48) Methyl methacrylate	9.14	41	59228	20.710	ug/l	94
49) 1,4-Dioxane	9.11	88	13038	413.031	ug/l #	80
51) 4-Methyl-2-Pentanone	10.32	43	337984	115.193	ug/l	99
52) Toluene	10.53	92	277802	21.972	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	151297	21.899	ug/l	99
54) cis-1,3-Dichloropropene	10.06	75	184749	21.692	ug/l	98
55) 1,1,2-Trichloroethane	11.22	97	91927	21.558	ug/l	95
56) Ethyl methacrylate	11.06	69	99208	22.054	ug/l	93
57) 1,3-Dichloropropane	11.43	76	126986	20.335	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.88	63	248881	117.254	ug/l	97
59) 2-Hexanone	11.55	43	228598	100.391	ug/l	98
60) Dibromochloromethane	11.71	129	147310	21.865	ug/l	100
61) 1,2-Dibromoethane	11.83	107	108985	21.854	ug/l	98
64) Tetrachloroethene	11.27	164	123013	19.839	ug/l	98
65) Chlorobenzene	12.42	112	338931	21.396	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	139158	22.829	ug/l	98
67) Ethyl Benzene	12.53	91	534068	22.140	ug/l	99
68) m/p-Xylenes	12.68	106	385549	41.458	ug/l	96
69) o-Xylene	13.07	106	196539	21.893	ug/l	92
70) Styrene	13.09	104	320166	20.884	ug/l	98
71) Bromoform	13.25	173	81373	21.515	ug/l #	97
73) Isopropylbenzene	13.42	105	491299	20.627	ug/l	94
74) N-amyl acetate	13.27	43	135813	20.986	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.72	83	108226	21.975	ug/l	98
76) 1,2,3-Trichloropropane	13.75	75	109438	22.503	ug/l	100
77) Bromobenzene	13.69	156	159369	23.051	ug/l	80
78) n-propylbenzene	13.78	91	648061	22.746	ug/l	99
79) 2-Chlorotoluene	13.85	91	371681	22.812	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	408092	21.587	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.49	75	29097	19.716	ug/l	91
82) 4-Chlorotoluene	13.96	91	391848	21.948	ug/l	98
83) tert-Butylbenzene	14.20	119	484372	21.250	ug/l	99
84) 1,2,4-Trimethylbenzene	14.25	105	429055	22.487	ug/l	98
85) sec-Butylbenzene	14.38	105	479312	19.463	ug/l	100
86) p-Isopropyltoluene	14.50	119	440802	20.633	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	272940	22.939	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	271481	22.613	ug/l	98
89) n-Butylbenzene	14.81	91	382160	20.580	ug/l	100
90) Hexachloroethane	15.02	117	122580	21.146	ug/l	94
91) 1,2-Dichlorobenzene	14.82	146	211370	21.555	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	12857	21.634	ug/l	97

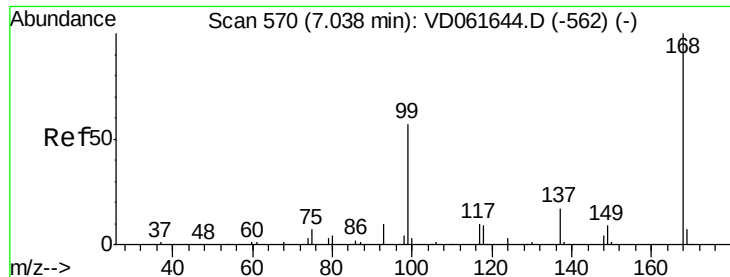
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	129439	25.908	µg/l	99
94) Hexachlorobutadiene	16.05	225	84761	21.972	µg/l	96
95) Naphthalene	16.14	128	209743	26.532	µg/l	99
96) 1,2,3-Trichlorobenzene	16.29	180	81018	32.493	µg/l	96

(#) = 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: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

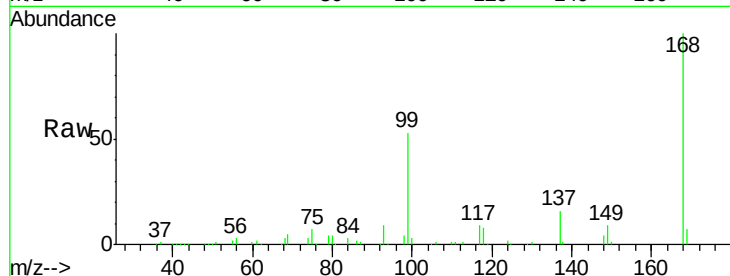
ClientSampled :

Tot Ion:168 Resp: 563482

Ion Ratio Lower Upper

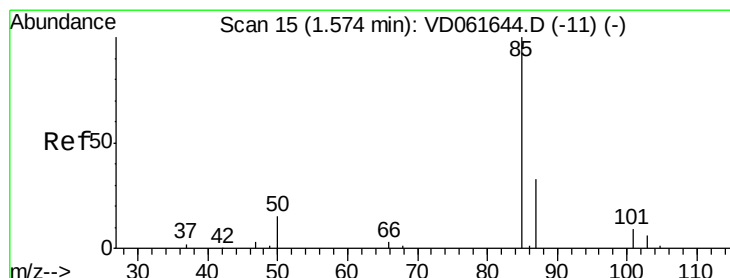
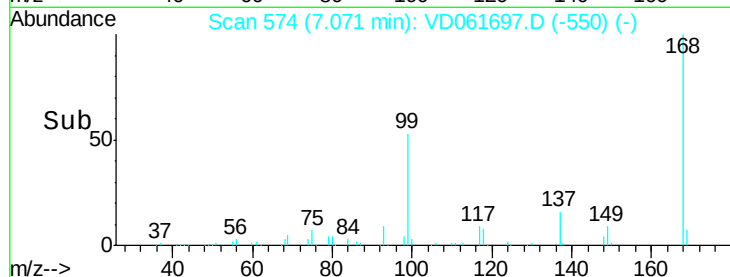
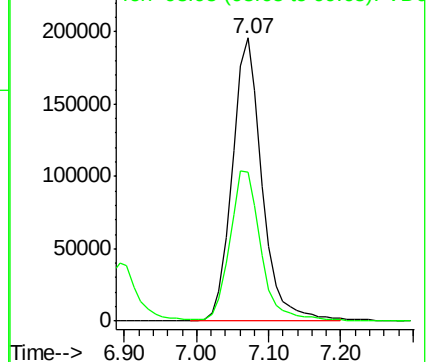
168 100

99 52.7 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.418 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061697.D

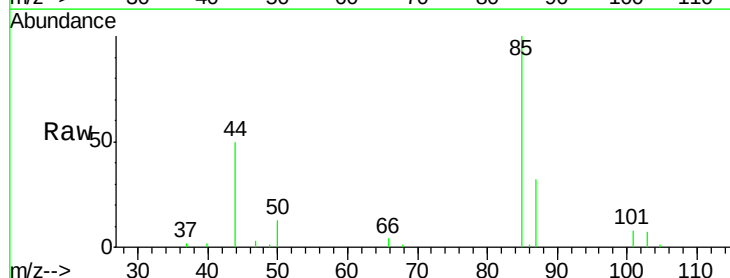
Acq: 10 Apr 2019 3:54

Tgt Ion: 85 Resp: 105882

Ion Ratio Lower Upper

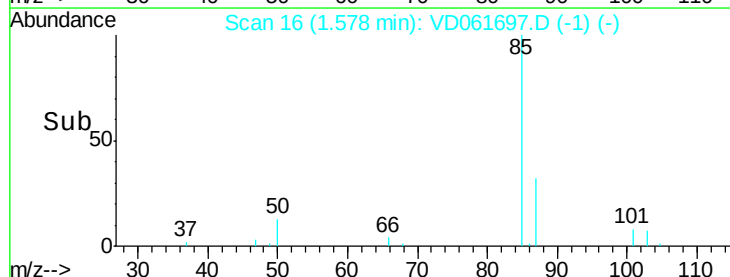
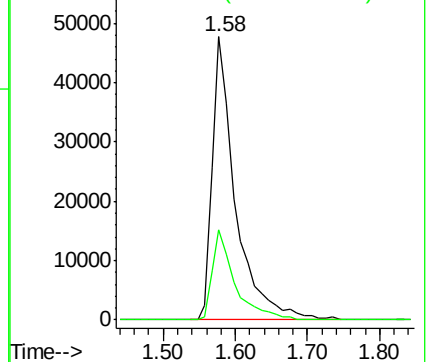
85 100

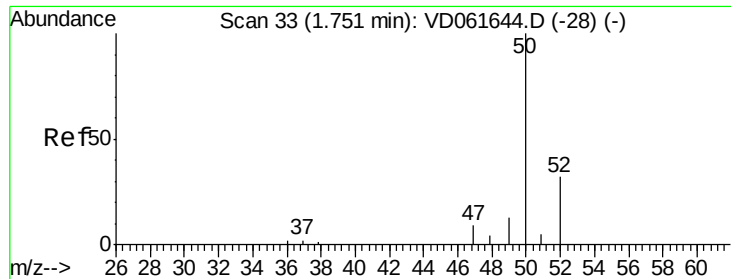
87 31.7 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

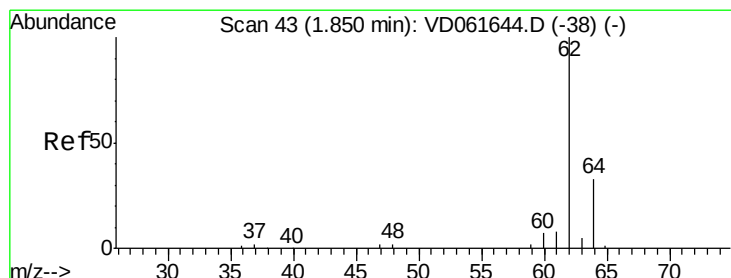
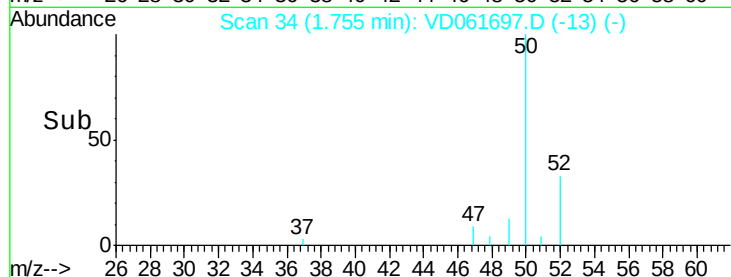
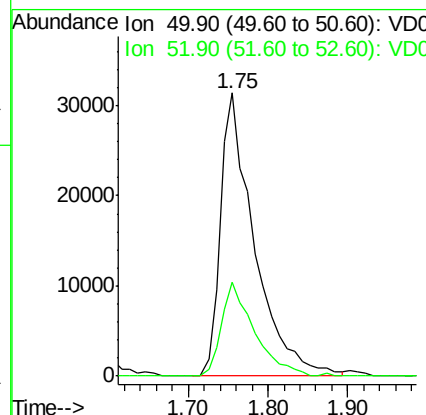
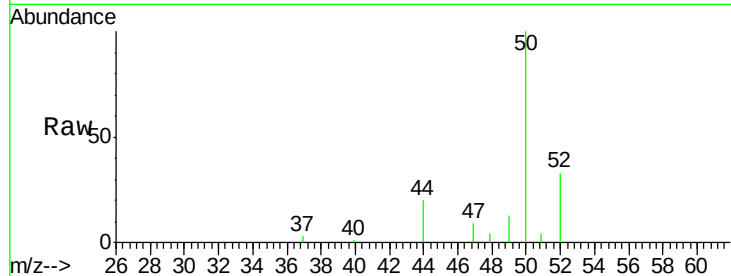




#3
Chloromethane
Concen: 19.039 ug/l
RT: 1.75 min Scan# 34
Delta R.T. 0.00 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

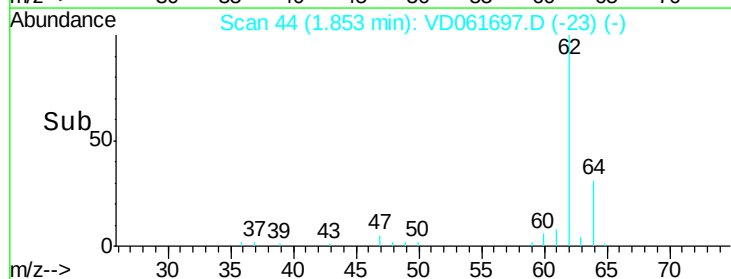
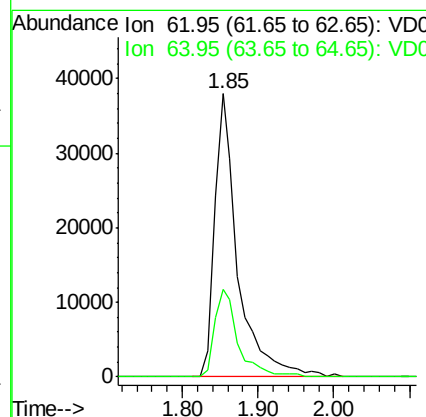
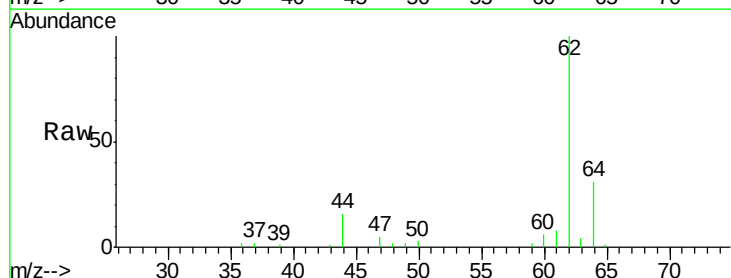
Instrument :
MSVOA_D
ClientSampleId :

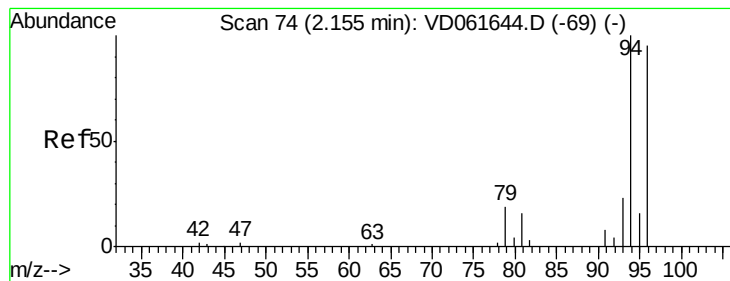
Tot Ion: 50 Resp: 93530
Ion Ratio Lower Upper
50 100
52 33.2 25.1 37.7



#4
Vinyl Chloride
Concen: 17.677 ug/l
RT: 1.85 min Scan# 44
Delta R.T. 0.00 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion: 62 Resp: 81146
Ion Ratio Lower Upper
62 100
64 31.0 26.2 39.2





#5

Bromomethane

Concen: 17.501 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

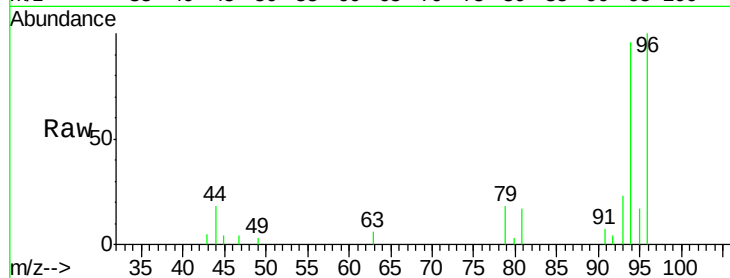
Tot Ion: 94 Resp: 18594

Ion Ratio Lower Upper

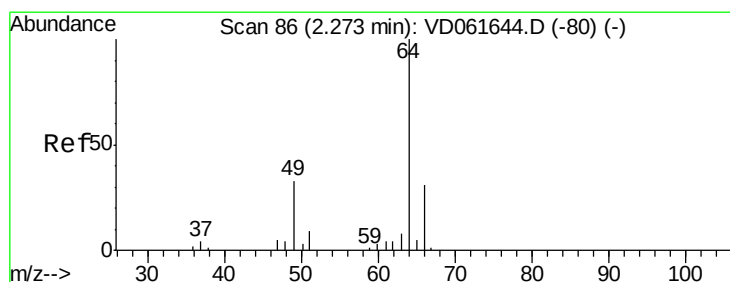
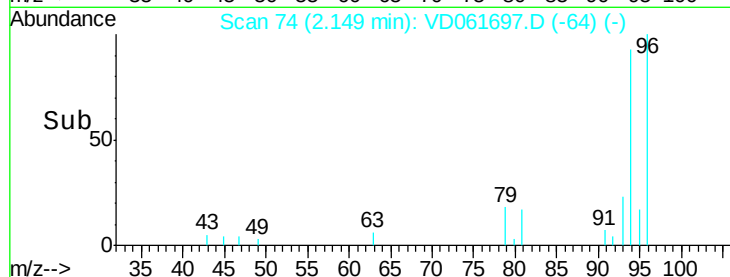
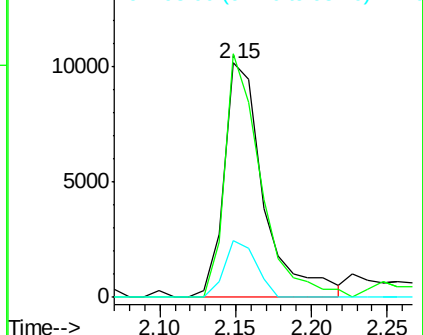
94 100

96 103.8 75.8 113.8

93 24.1 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: 20.967 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD061697.D

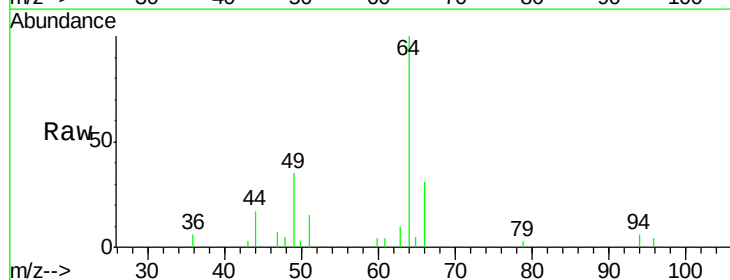
Acq: 10 Apr 2019 3:54

Tgt Ion: 64 Resp: 30145

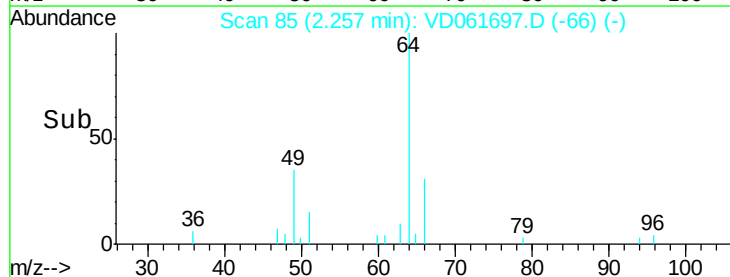
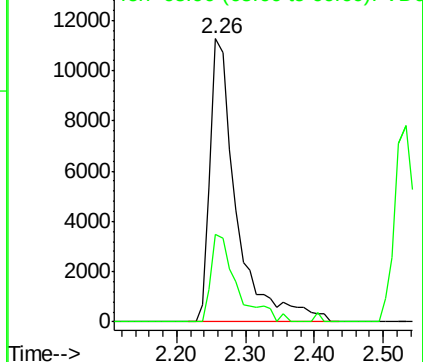
Ion Ratio Lower Upper

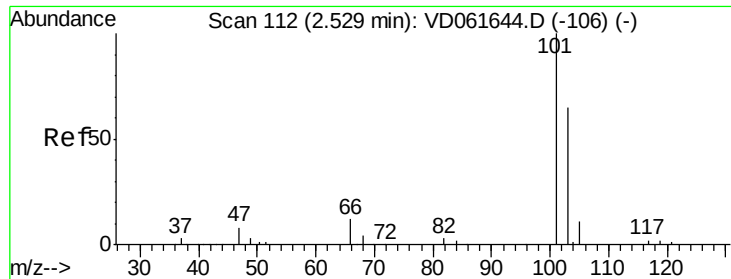
64 100

66 30.8 24.9 37.3



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



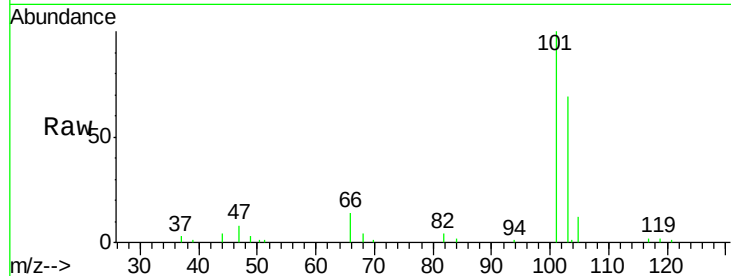


#7

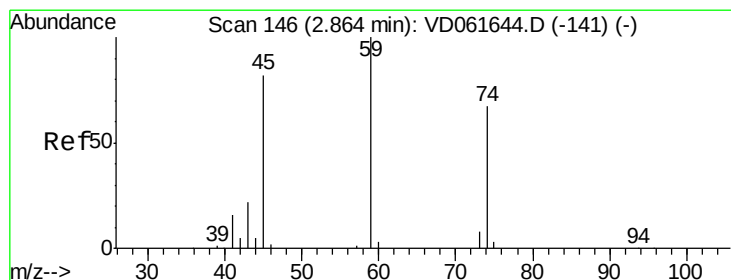
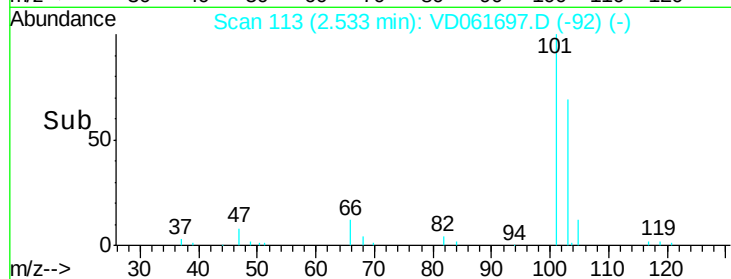
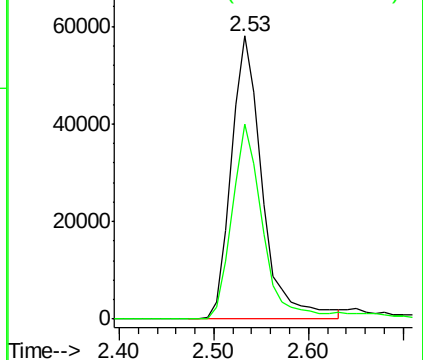
Trichlorofluoromethane
Concen: 19.005 ug/l
RT: 2.53 min Scan# 113
Delta R.T. 0.00 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 131724
Ion Ratio Lower Upper
101 100
103 69.0 52.0 78.0



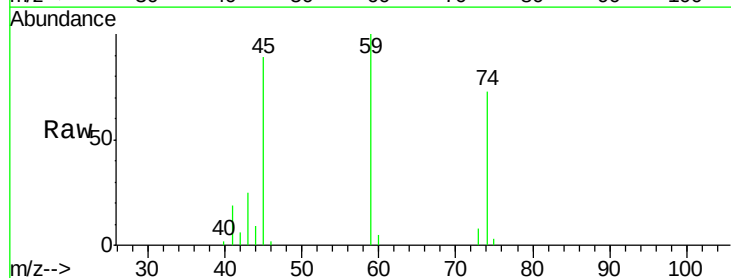
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



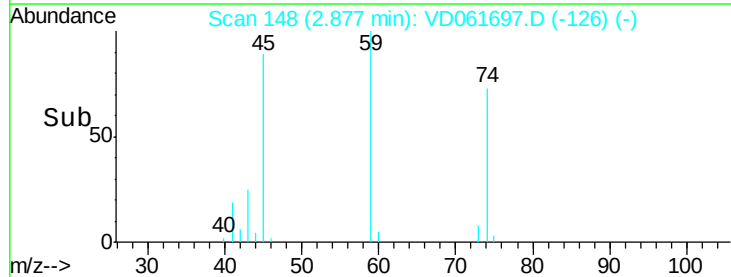
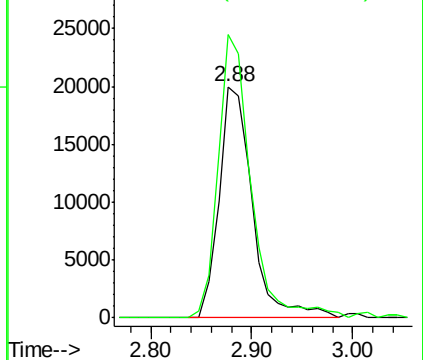
#8

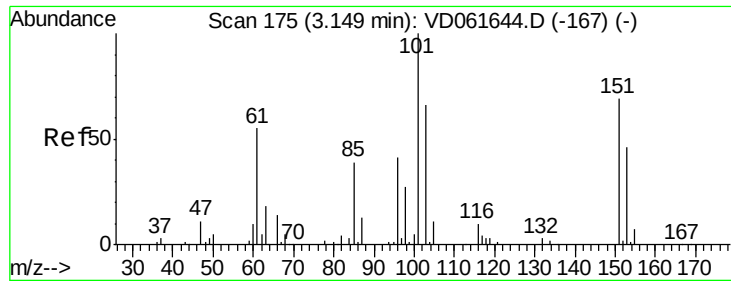
Diethyl Ether
Concen: 23.543 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.01 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion: 74 Resp: 45795
Ion Ratio Lower Upper
74 100
45 122.4 61.0 183.0



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC

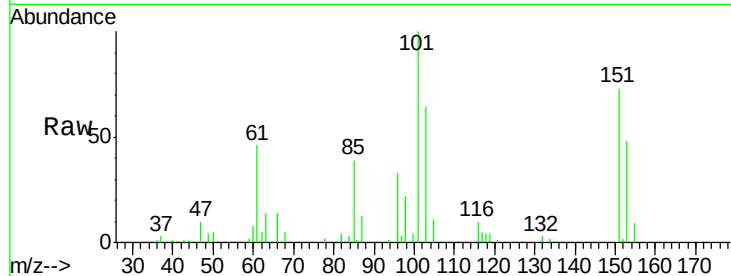




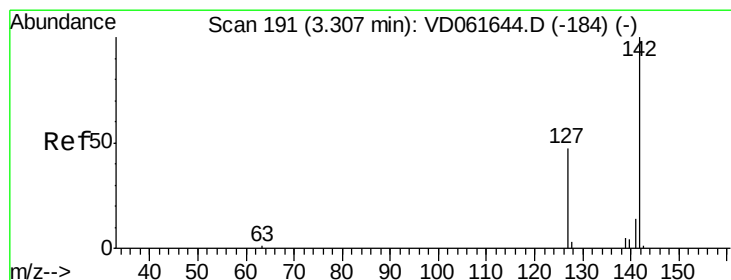
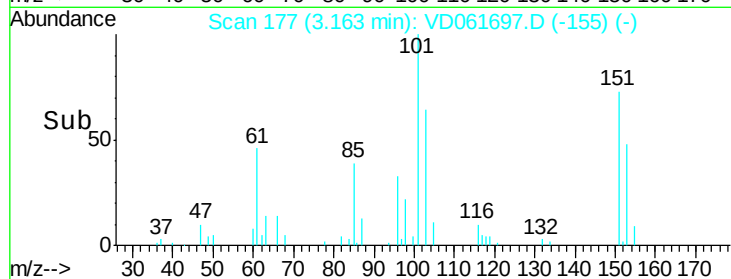
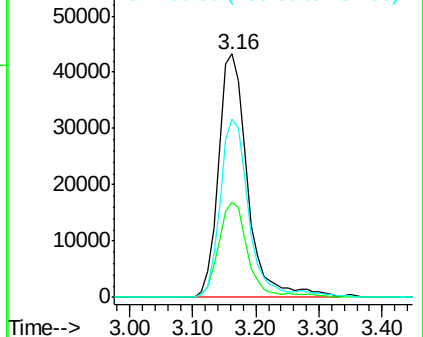
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.450 ug/l
RT: 3.16 min Scan# 177
Delta R.T. 0.01 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:101 Resp: 139345
Ion Ratio Lower Upper
101 100
85 39.0 31.0 46.6
151 73.4 55.3 82.9

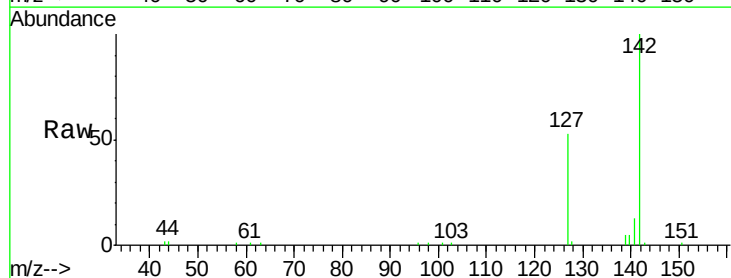


Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V

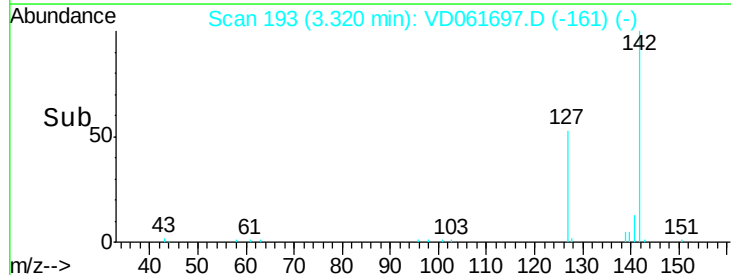
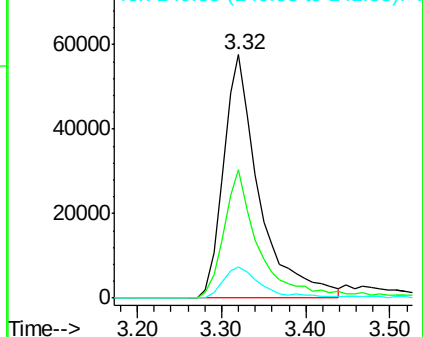


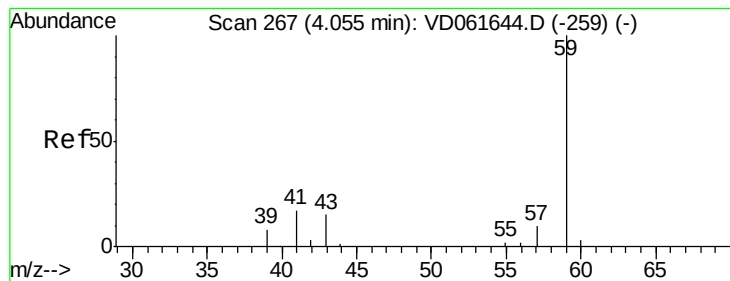
#10
Methyl Iodide
Concen: 19.173 ug/l
RT: 3.32 min Scan# 193
Delta R.T. 0.01 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion:142 Resp: 170124
Ion Ratio Lower Upper
142 100
127 52.8 37.2 55.8
141 12.9 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



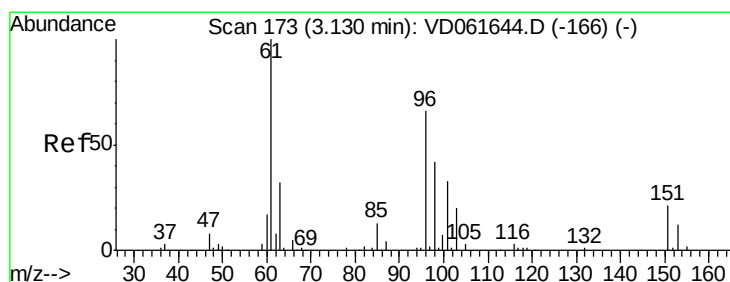
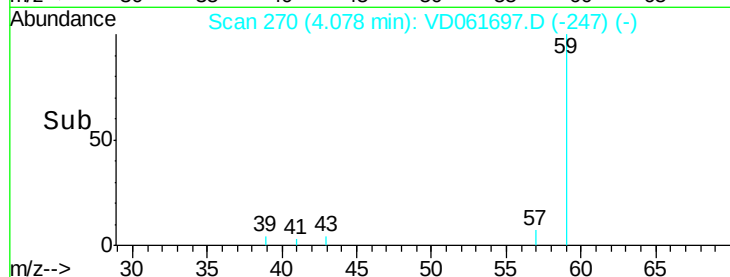
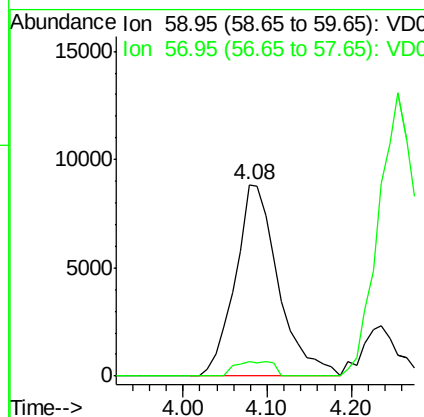
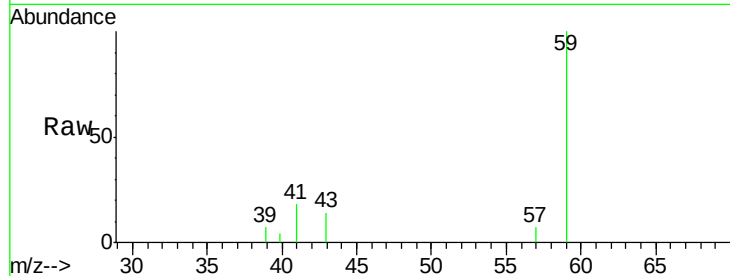


#11

Tert butyl alcohol
 Concen: 110.163 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. 0.02 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Instrument :
 MSVOA_D
 ClientSampled :

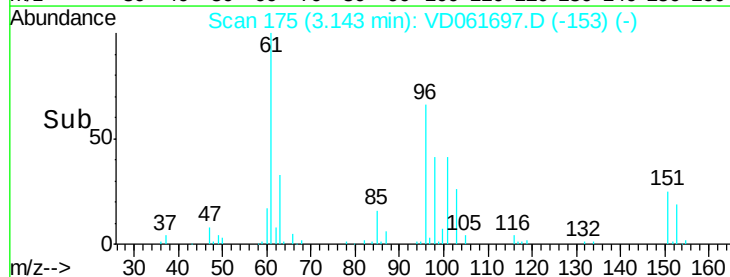
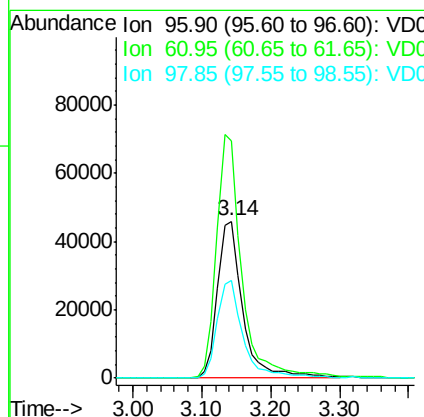
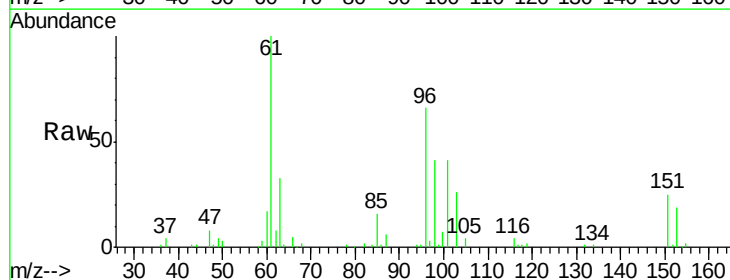
Tot Ion: 59 Resp: 31534
 Ion Ratio Lower Upper
 59 100
 57 7.5 8.4 12.6#

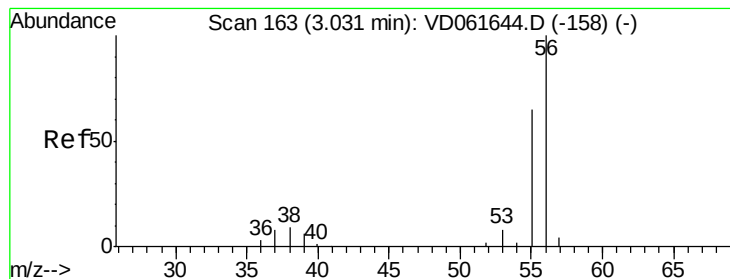


#12

1,1-Dichloroethene
 Concen: 20.027 ug/l
 RT: 3.14 min Scan# 175
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Tgt Ion: 96 Resp: 117642
 Ion Ratio Lower Upper
 96 100
 61 150.8 121.3 181.9
 98 62.1 50.6 76.0





#13

Acrolein

Concen: 88.473 ug/l

RT: 3.04 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

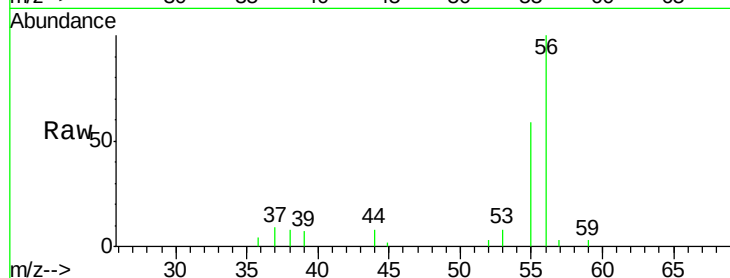
ClientSampleId :

Tot Ion: 56 Resp: 30877

Ion Ratio Lower Upper

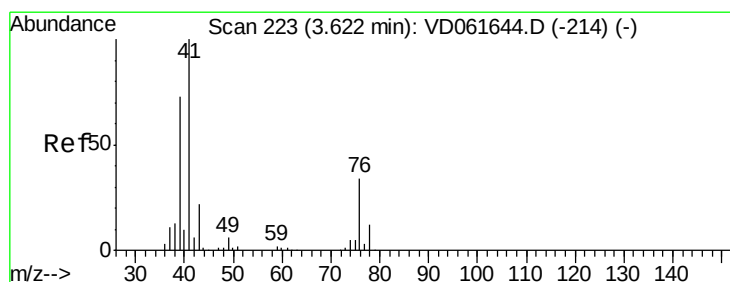
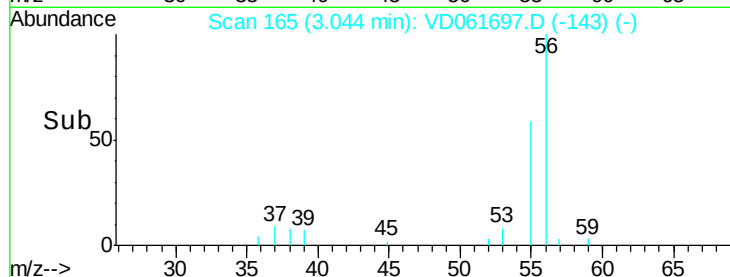
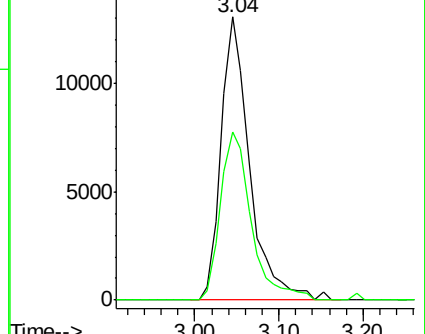
56 100

55 59.3 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: 19.747 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

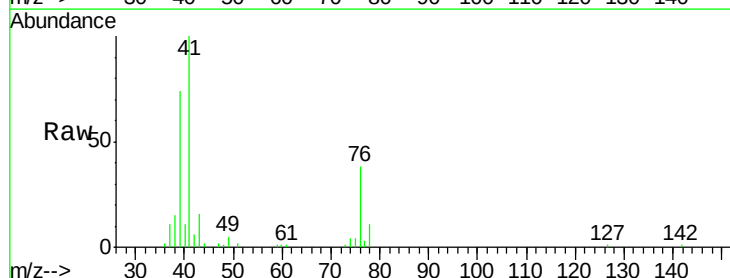
Tgt Ion: 41 Resp: 158213

Ion Ratio Lower Upper

41 100

39 74.2 58.2 87.4

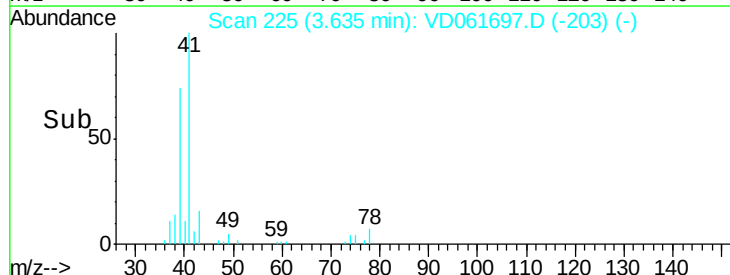
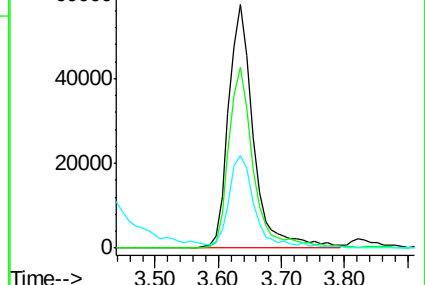
76 38.1 29.8 44.6

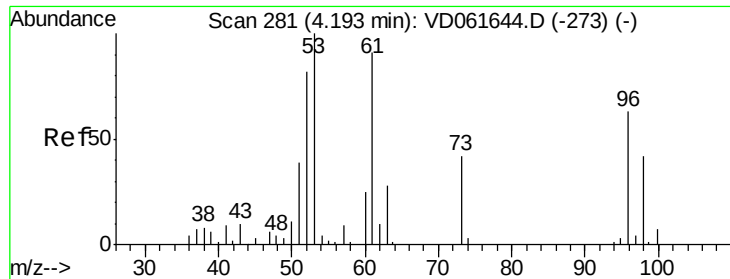


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

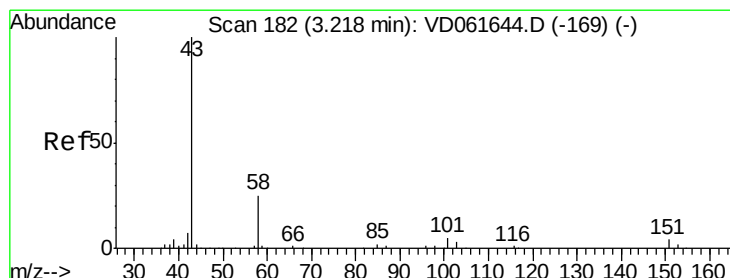
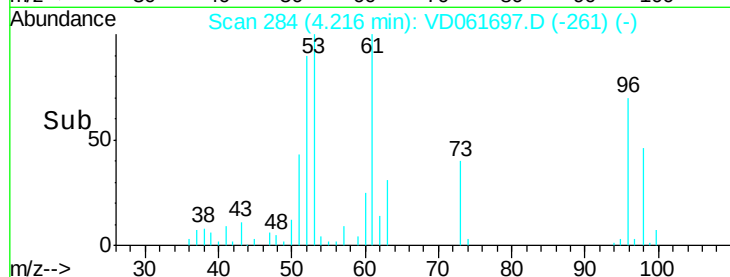
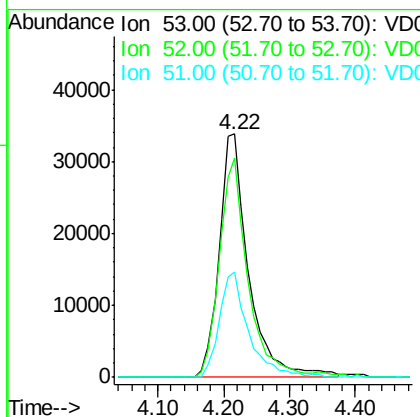
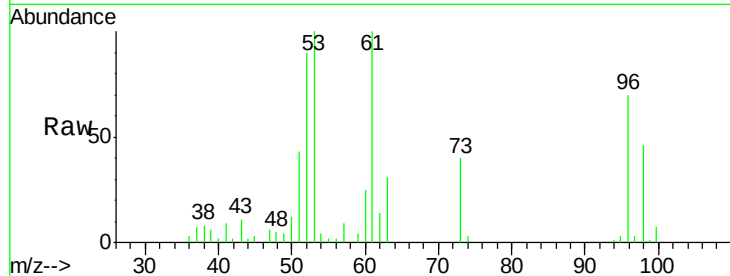




#15
Acrylonitrile
Concen: 106.705 ug/l
RT: 4.22 min Scan# 284
Delta R.T. 0.02 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

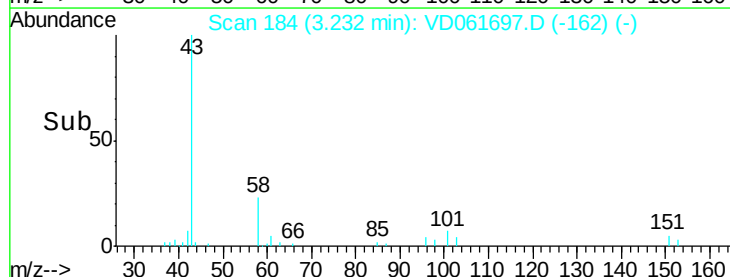
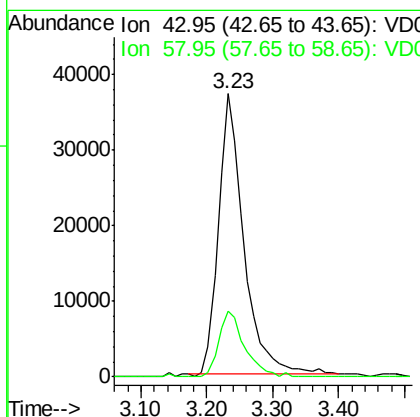
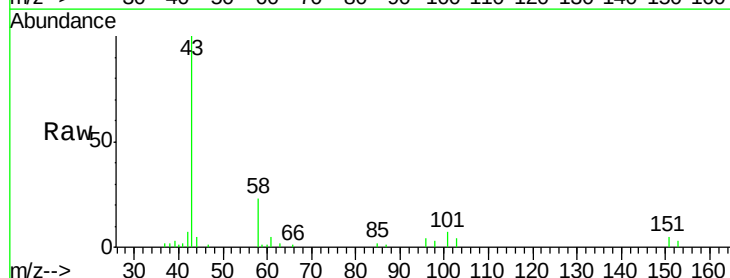
Instrument :
MSVOA_D
ClientSampleId :

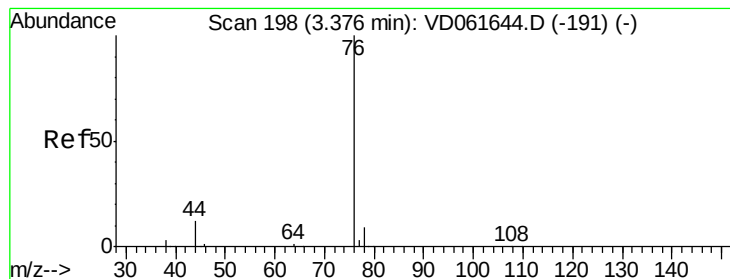
Tot Ion: 53 Resp: 105143
Ion Ratio Lower Upper
53 100
52 90.3 65.9 98.9
51 43.2 31.4 47.2



#16
Acetone
Concen: 77.622 ug/l
RT: 3.23 min Scan# 184
Delta R.T. 0.01 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion: 43 Resp: 99107
Ion Ratio Lower Upper
43 100
58 23.3 19.7 29.5





#17

Carbon Disulfide

Concen: 17.716 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.01 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

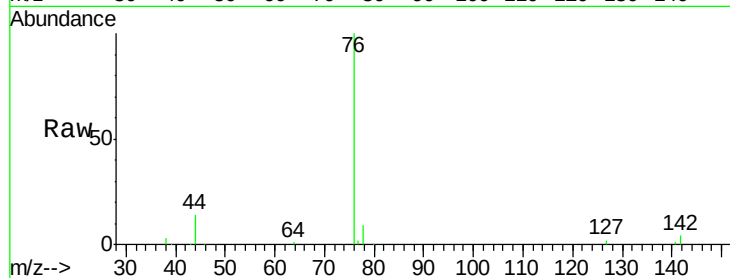
ClientSampled :

Tot Ion: 76 Resp: 338141

Ion Ratio Lower Upper

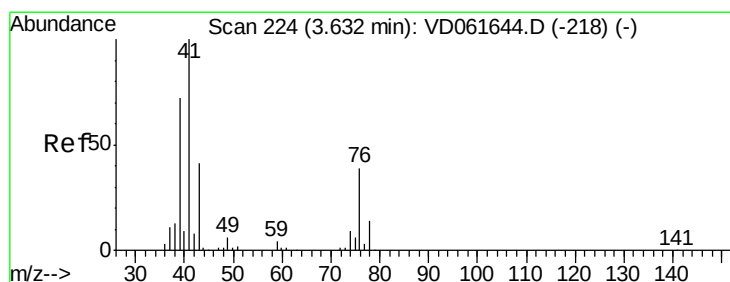
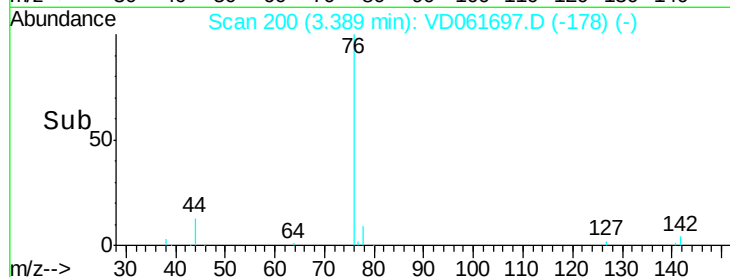
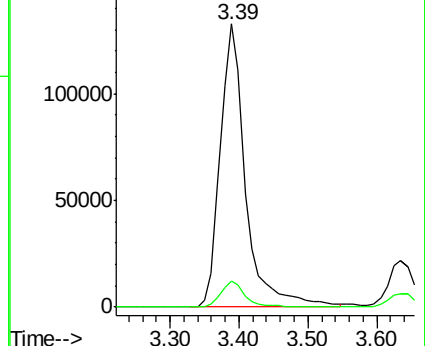
76 100

78 9.3 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: 22.427 ug/l

RT: 3.65 min Scan# 227

Delta R.T. 0.02 min

Lab File: VD061697.D

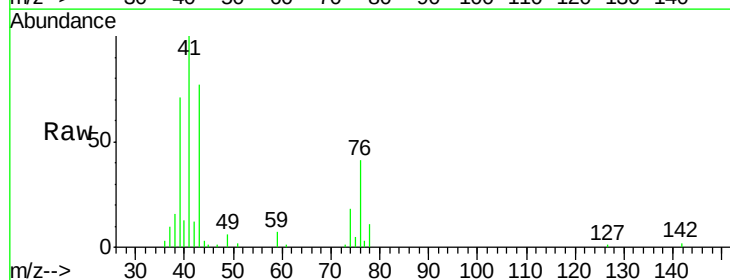
Acq: 10 Apr 2019 3:54

Tgt Ion: 43 Resp: 53874

Ion Ratio Lower Upper

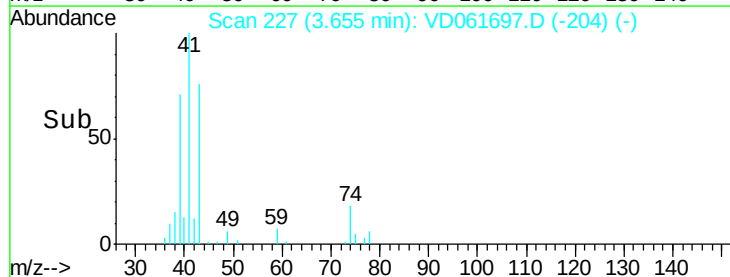
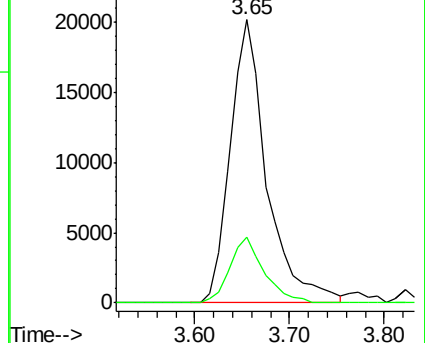
43 100

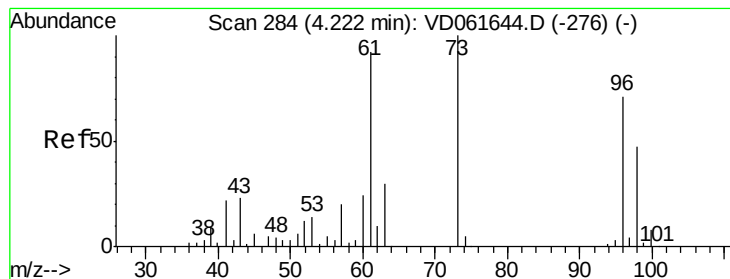
74 23.2 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



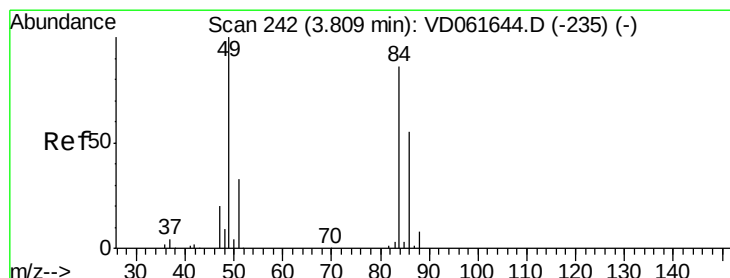
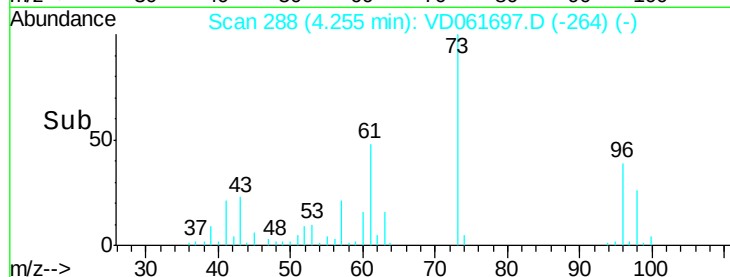
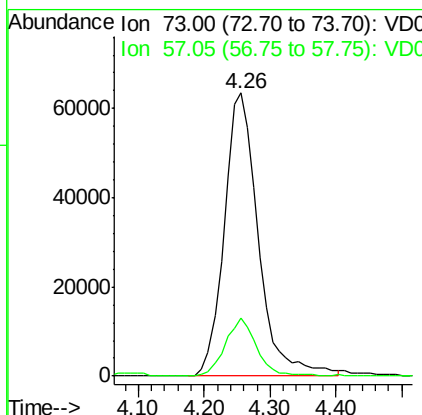
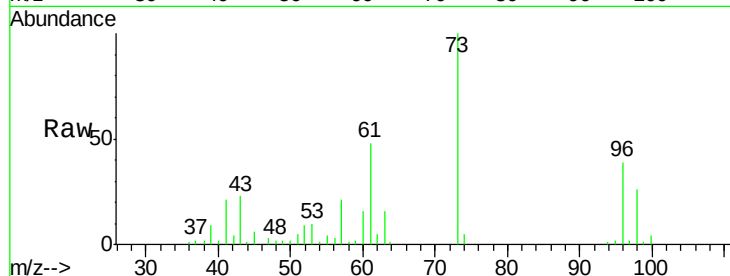


#19

Methyl tert-butyl Ether
 Concen: 22.587 ug/l
 RT: 4.26 min Scan# 288
 Delta R.T. 0.03 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Instrument :
 MSVOA_D
 ClientSampleId :

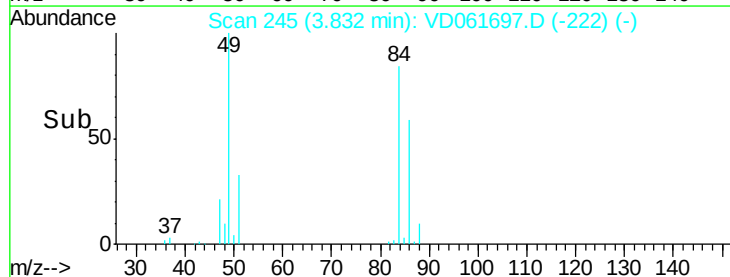
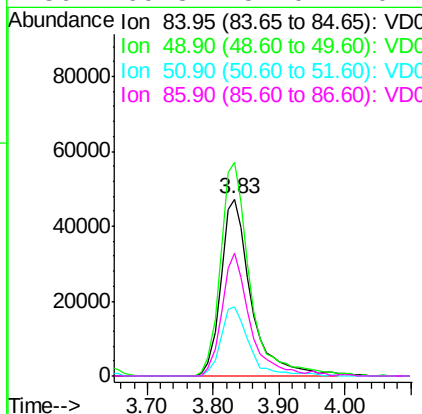
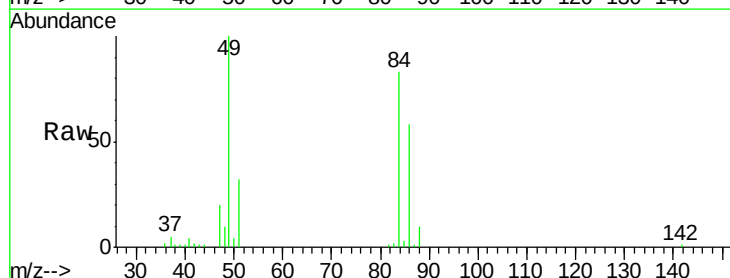
Tot Ion: 73 Resp: 229737
 Ion Ratio Lower Upper
 73 100
 57 20.6 16.0 24.0

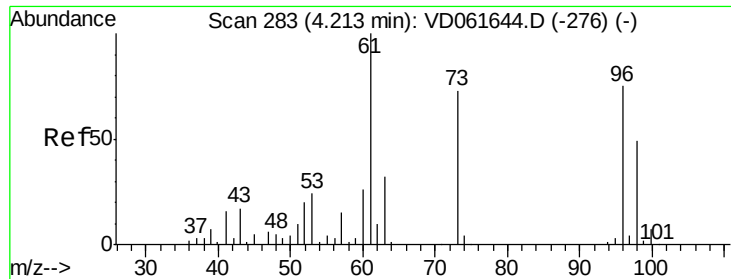


#20

Methylene Chloride
 Concen: 20.837 ug/l
 RT: 3.83 min Scan# 245
 Delta R.T. 0.02 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Tgt Ion: 84 Resp: 150972
 Ion Ratio Lower Upper
 84 100
 49 120.8 93.0 139.4
 51 39.1 30.4 45.6
 86 69.8 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 20.222 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.02 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampled :

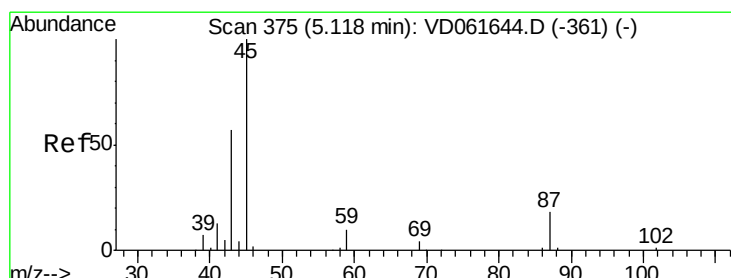
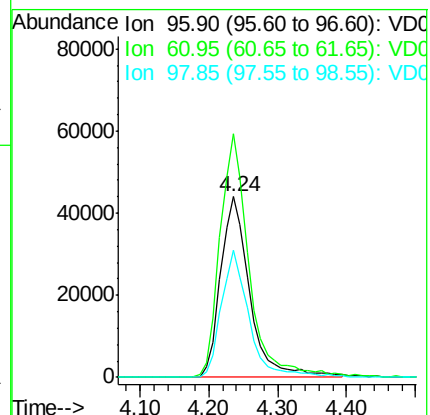
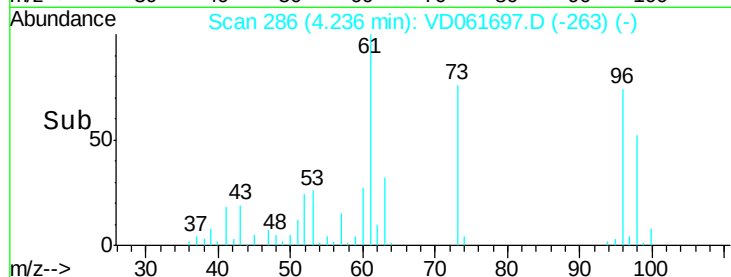
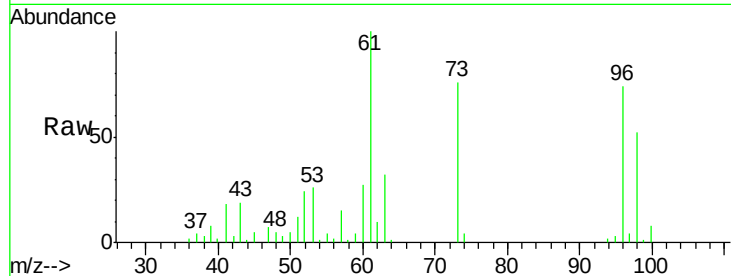
Tot Ion: 96 Resp: 129018

Ion Ratio Lower Upper

96 100

61 134.9 106.8 160.2

98 70.3 52.2 78.2



#22

Diisopropyl ether

Concen: 21.834 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.02 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Tgt Ion: 45 Resp: 366763

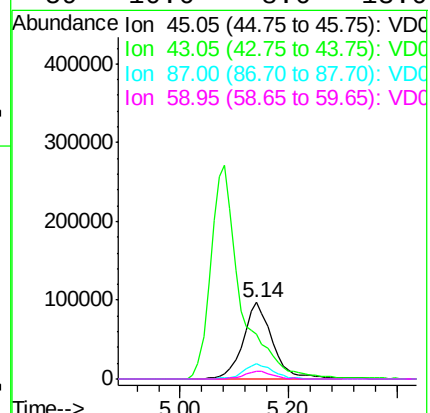
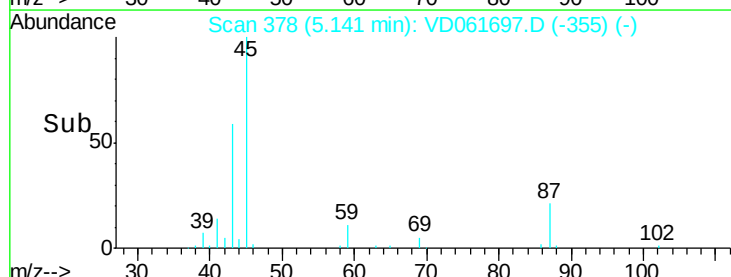
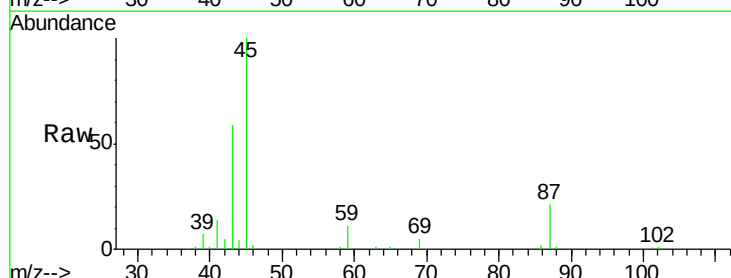
Ion Ratio Lower Upper

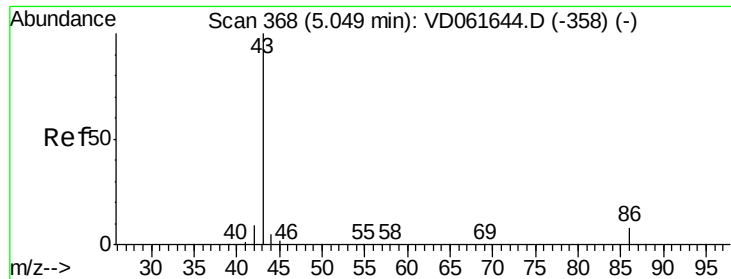
45 100

43 59.0 46.6 70.0

87 20.7 15.6 23.4

59 10.6 8.6 13.0





#23

Vinyl Acetate

Concen: 110.781 ug/l

RT: 5.08 min Scan# 372

Delta R.T. 0.03 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

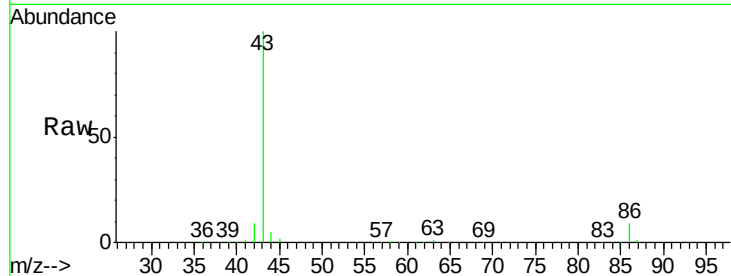
ClientSampleId :

Tot Ion: 43 Resp: 1026799

Ion Ratio Lower Upper

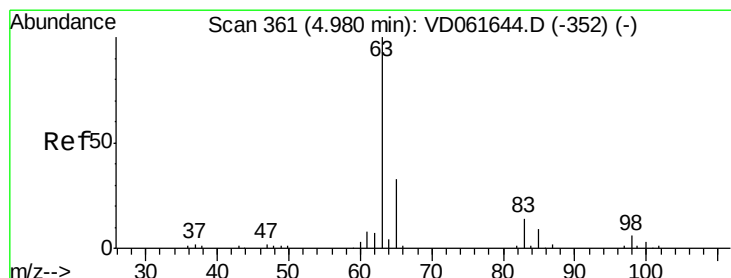
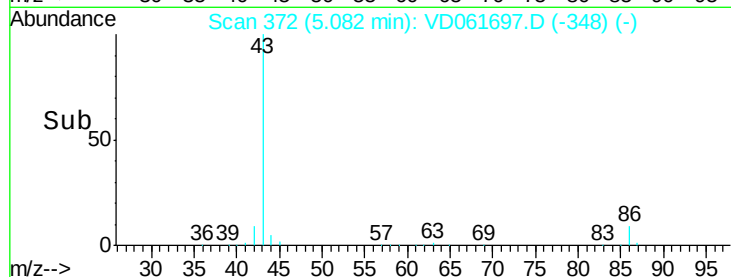
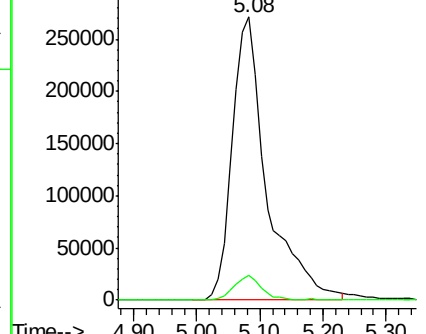
43 100

86 8.8 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: 20.435 ug/l

RT: 5.01 min Scan# 365

Delta R.T. 0.03 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

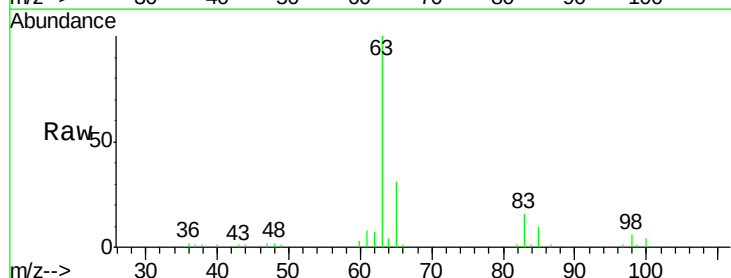
Tgt Ion: 63 Resp: 210349

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

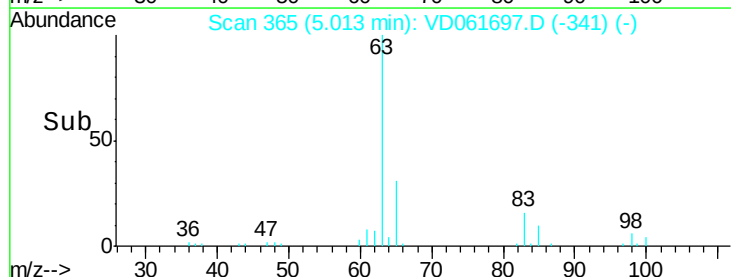
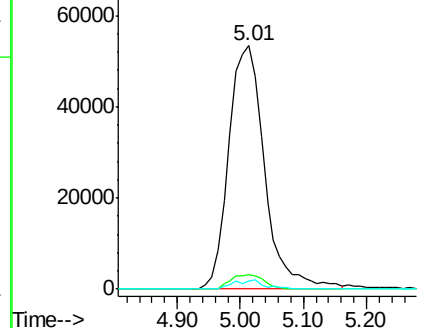
100 3.6 1.7 5.1

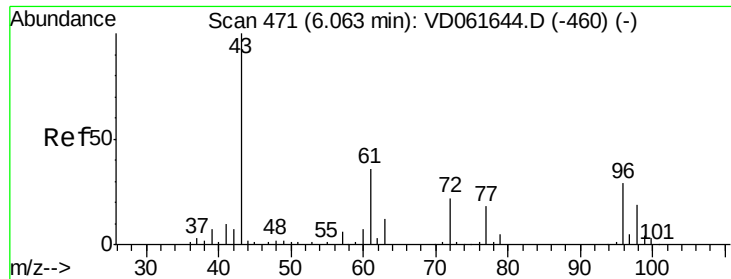


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 104.988 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.03 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

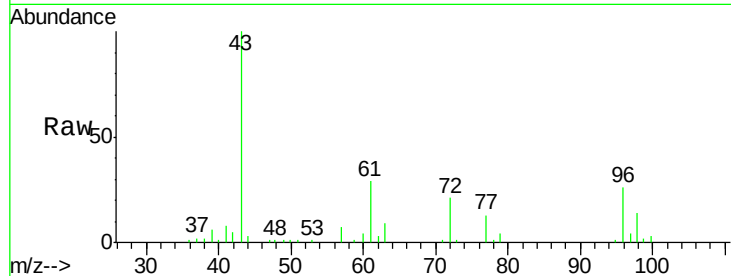
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 154534

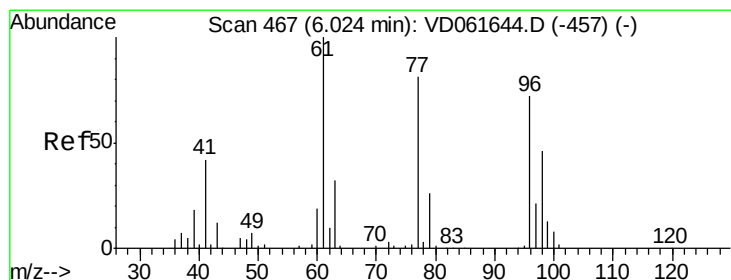
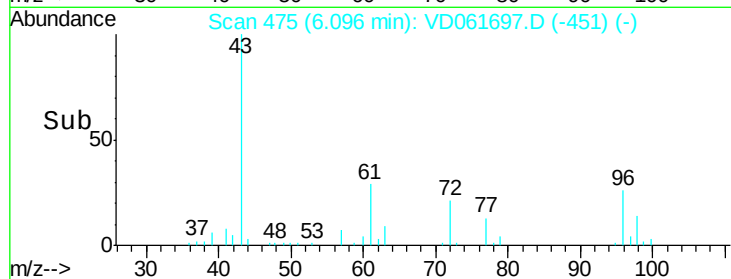
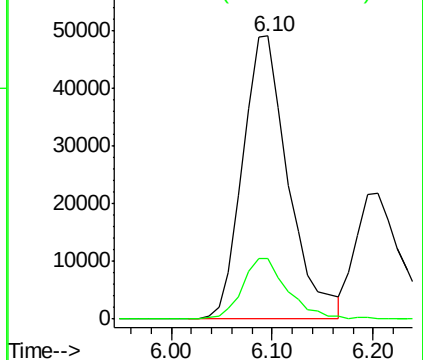
Ion Ratio Lower Upper

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: 19.909 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.02 min

Lab File: VD061697.D

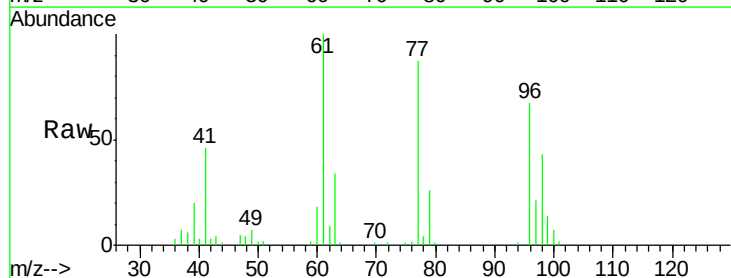
Acq: 10 Apr 2019 3:54

Tgt Ion: 77 Resp: 166873

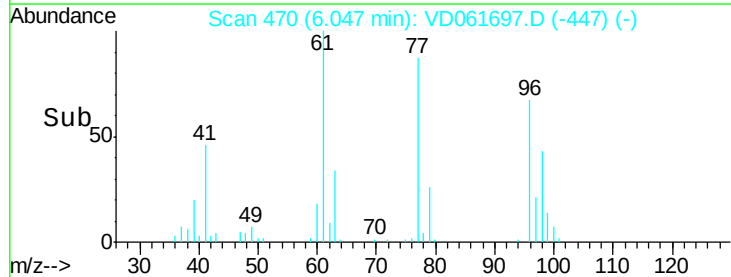
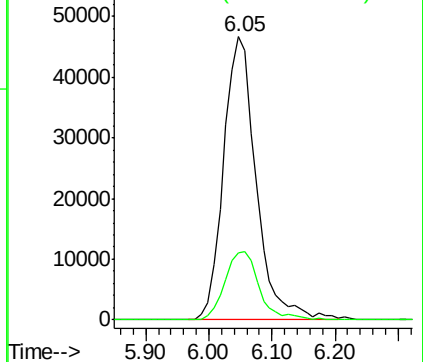
Ion Ratio Lower Upper

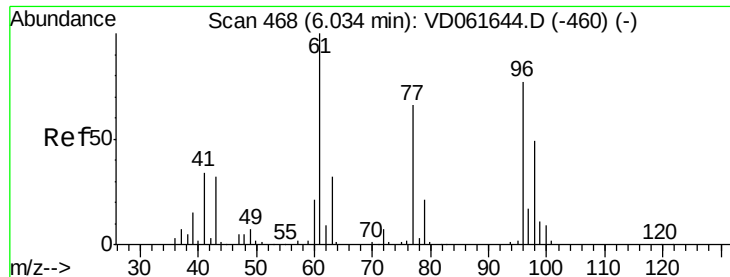
77 100

97 23.7 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



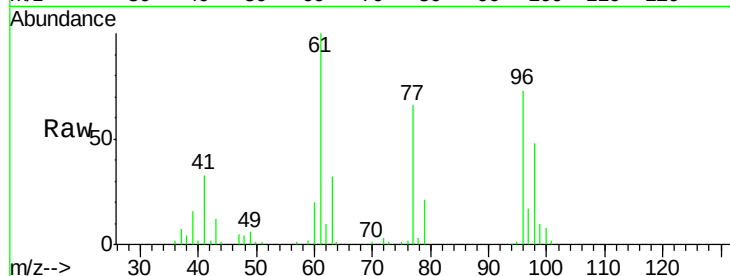


#27

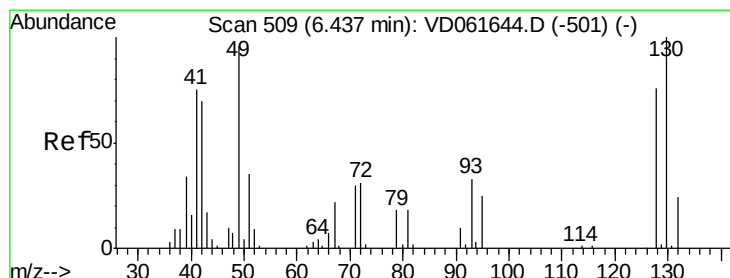
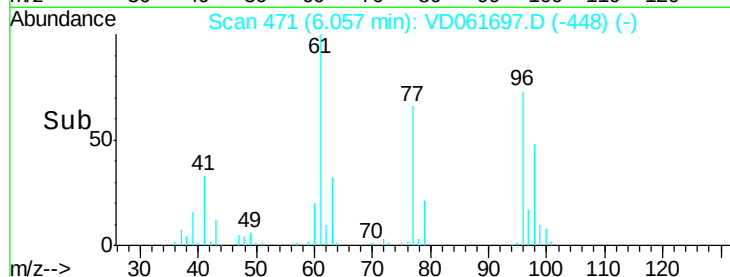
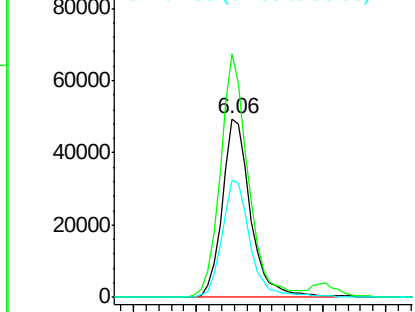
cis-1,2-Dichloroethene
Concen: 22.577 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.02 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 153669
Ion Ratio Lower Upper
96 100
61 136.3 0.0 259.8
98 65.5 0.0 127.6



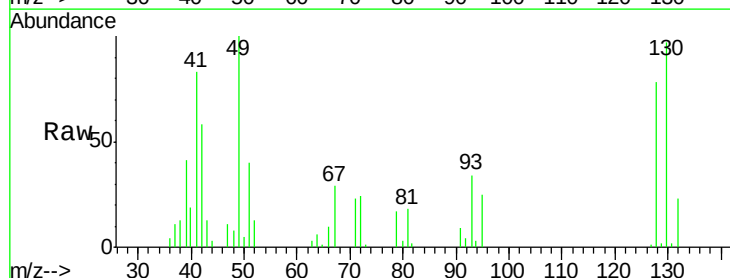
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



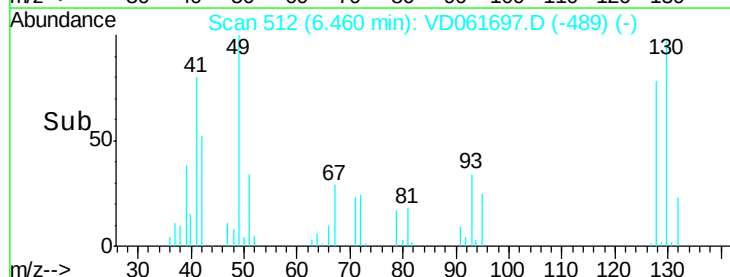
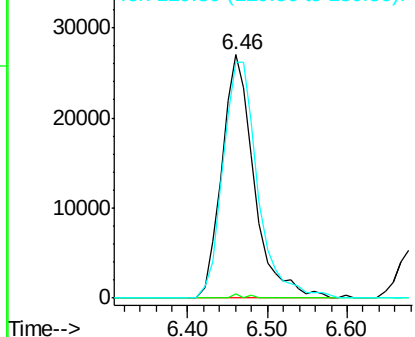
#28

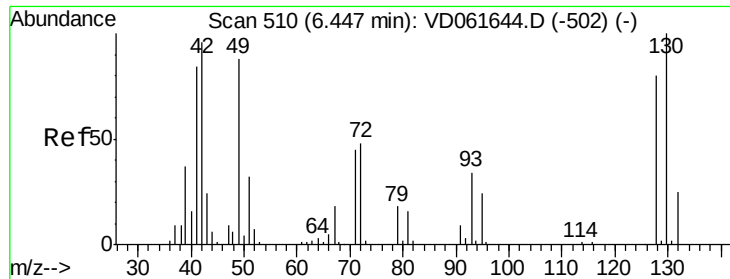
Bromochloromethane
Concen: 20.270 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion: 49 Resp: 76967
Ion Ratio Lower Upper
49 100
129 1.9 0.0 4.0
130 96.9 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

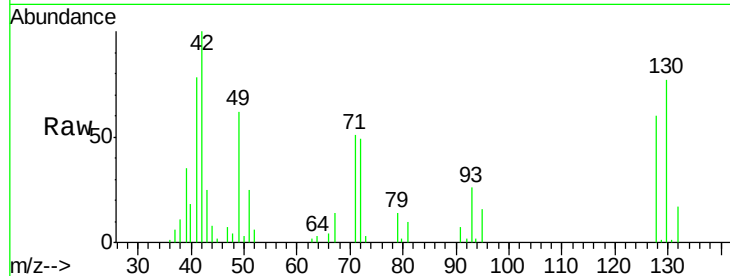




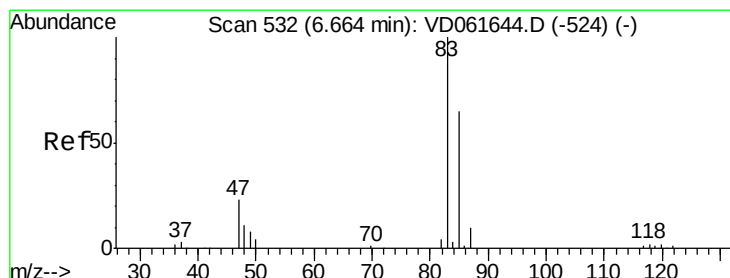
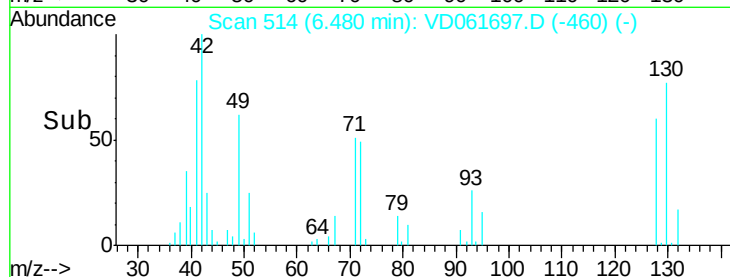
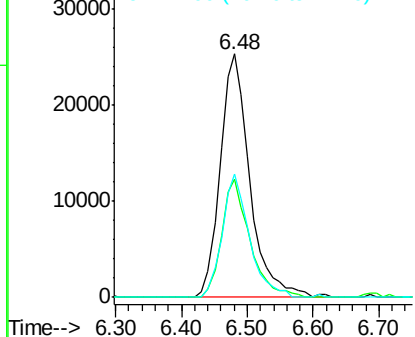
#29
Tetrahydrofuran
Concen: 111.479 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.03 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 79211
Ion Ratio Lower Upper
42 100
72 46.2 37.0 55.6
71 46.5 36.5 54.7

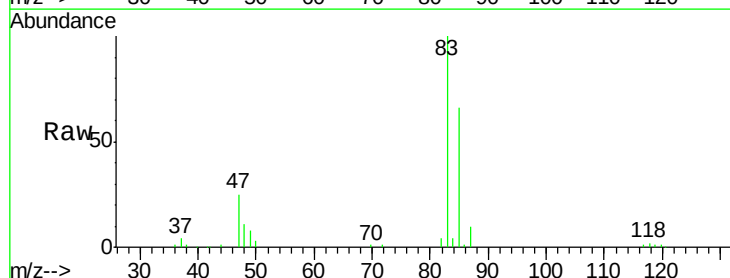


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

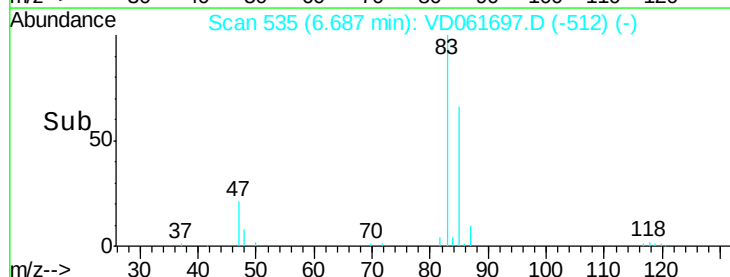
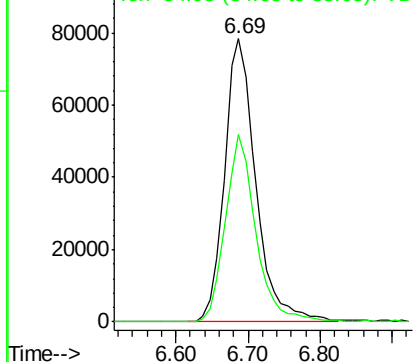


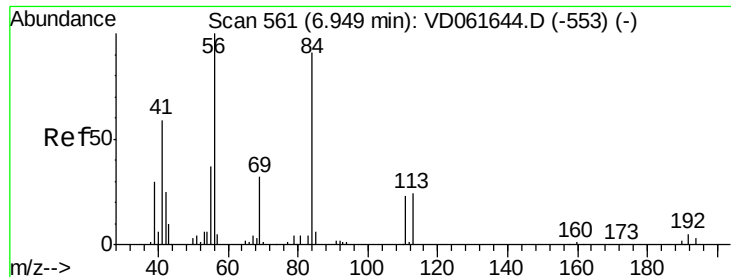
#30
Chloroform
Concen: 21.883 ug/l
RT: 6.69 min Scan# 535
Delta R.T. 0.02 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion: 83 Resp: 235974
Ion Ratio Lower Upper
83 100
85 66.1 51.9 77.9



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

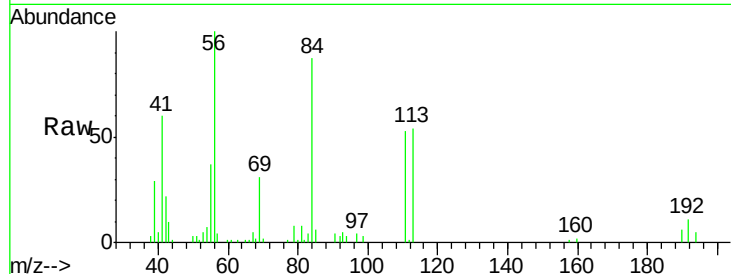




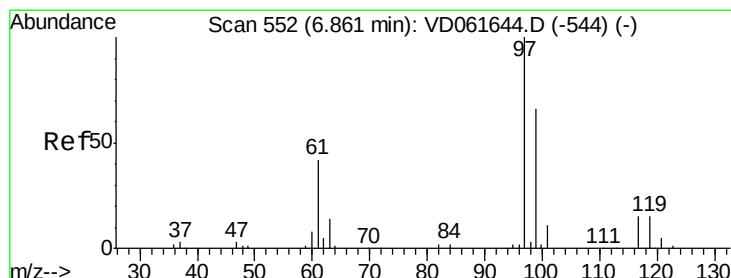
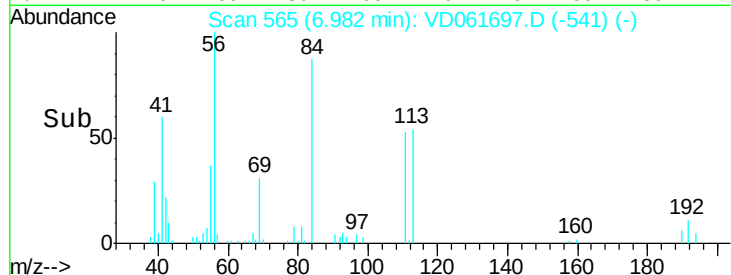
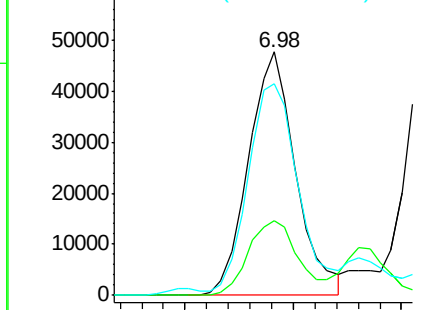
#31
Cyclohexane
Concen: 18.048 ug/l
RT: 6.98 min Scan# 565
Delta R.T. 0.03 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 145131
Ion Ratio Lower Upper
56 100
69 30.5 25.8 38.6
84 87.0 74.2 111.2

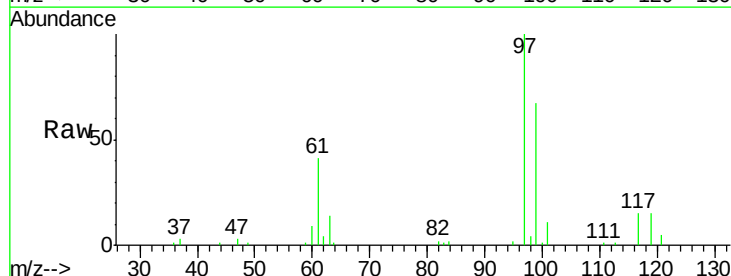


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

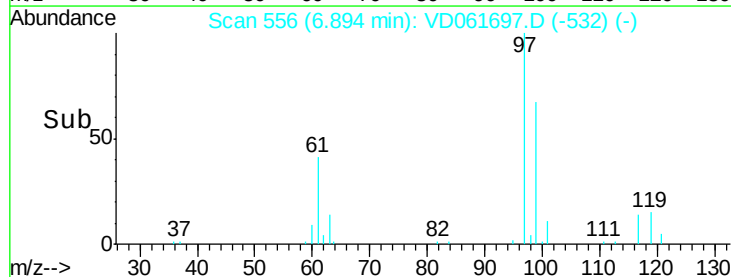
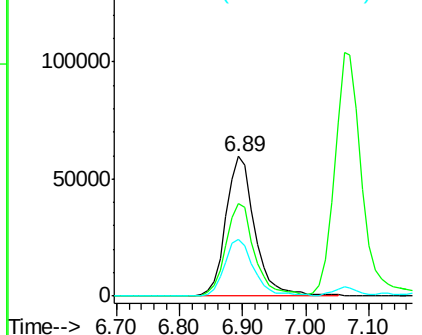


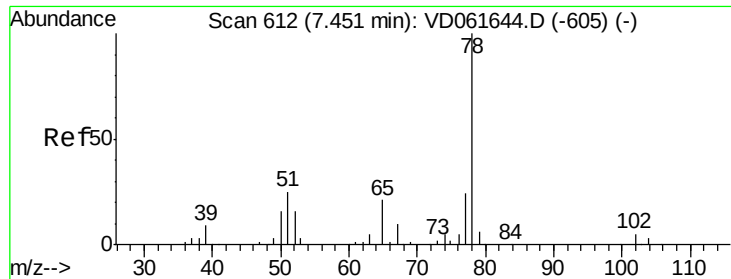
#32
1,1,1-Trichloroethane
Concen: 20.020 ug/l
RT: 6.89 min Scan# 556
Delta R.T. 0.03 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion: 97 Resp: 189185
Ion Ratio Lower Upper
97 100
99 66.6 52.5 78.7
61 40.9 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

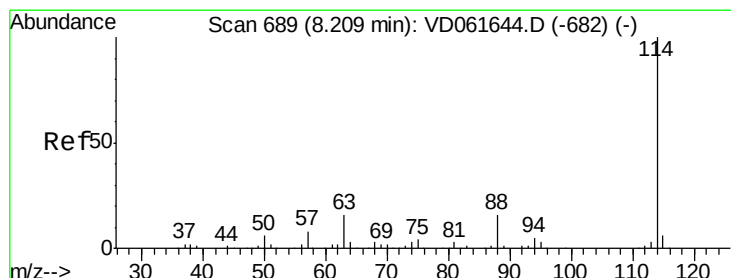
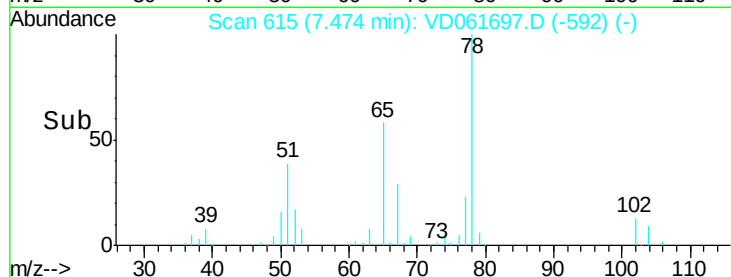
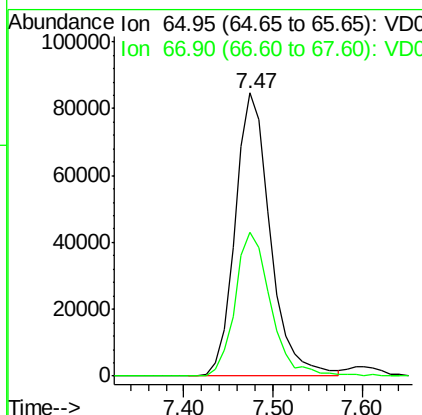
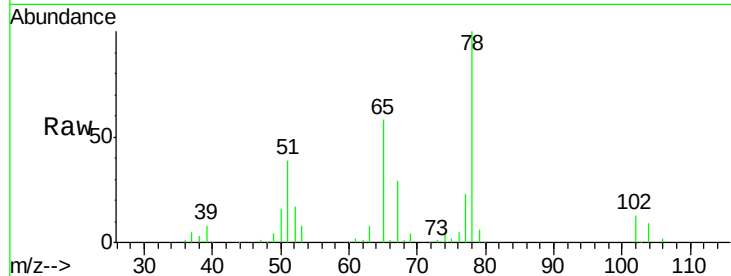




#33
 1,2-Dichloroethane-d4
 Concen: 20.020 ug/l
 RT: 7.47 min Scan# 615
 Delta R.T. 0.02 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

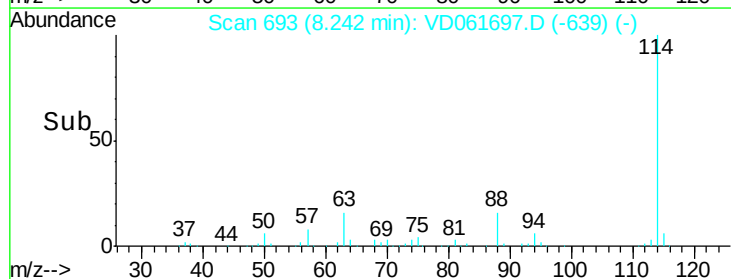
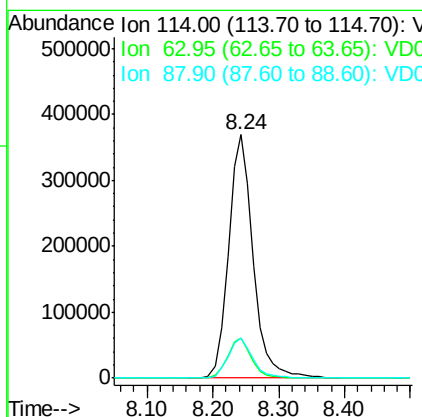
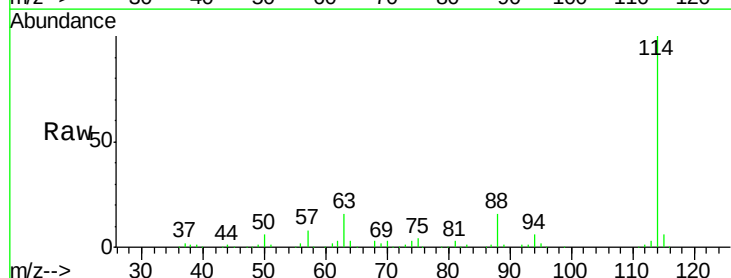
Instrument :
 MSVOA_D
 ClientSampleID :

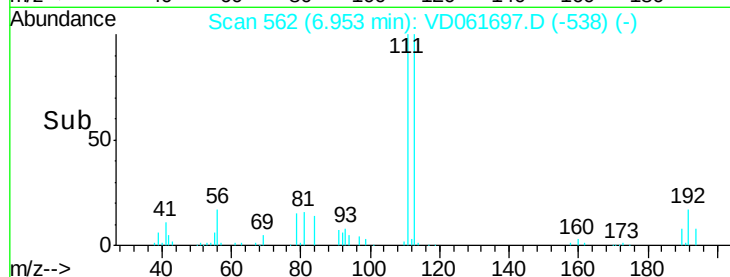
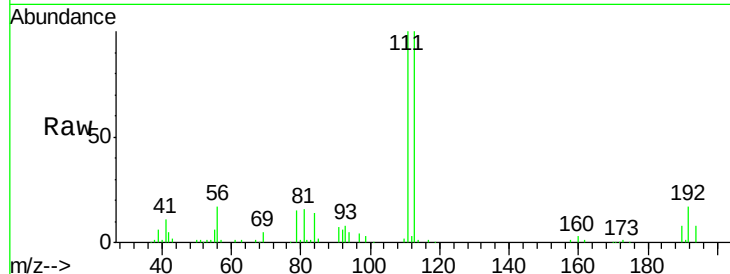
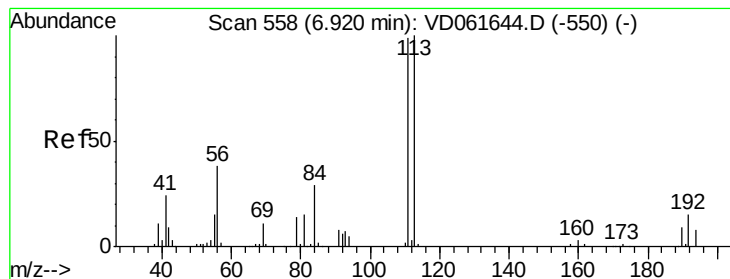
Tot Ion: 65 Resp: 231681
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 693
 Delta R.T. 0.03 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Tgt Ion: 114 Resp: 958976
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 31.2
 88 16.2 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: VD061697.D

Acq: 10 Apr 2019 3:54

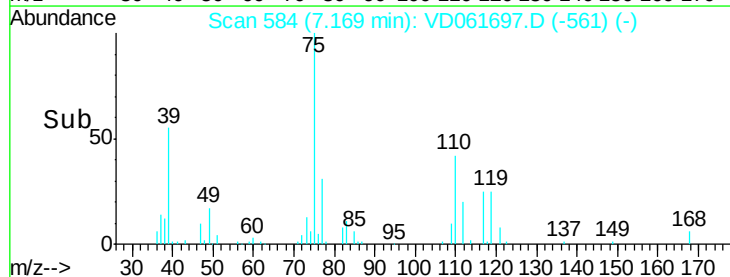
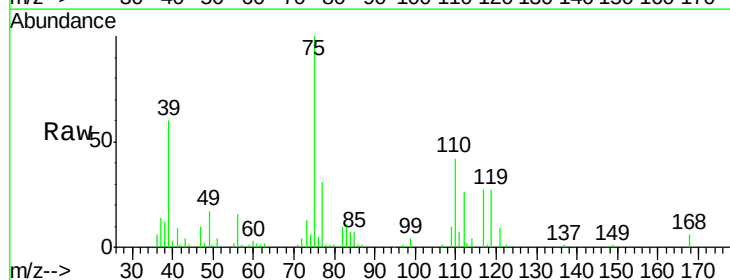
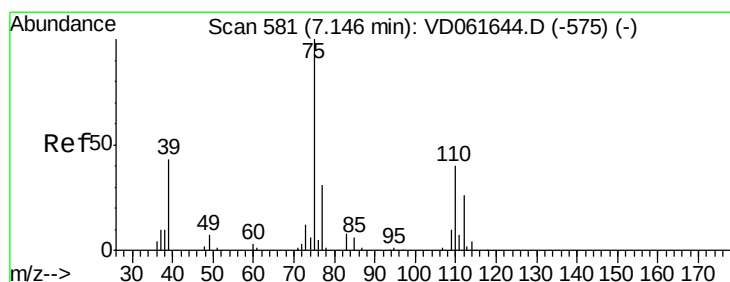
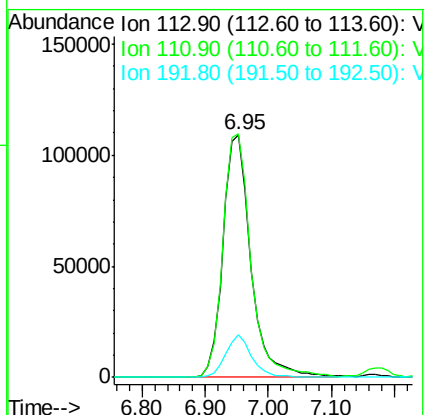
Tot Ion:113 Resp: 334895

Ion Ratio Lower Upper

113 100

111 100.3 79.3 118.9

192 17.5 12.3 18.5



#36

1,1-Dichloropropene

Concen: 20.040 ug/l

RT: 7.17 min Scan# 584

Delta R.T. 0.02 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

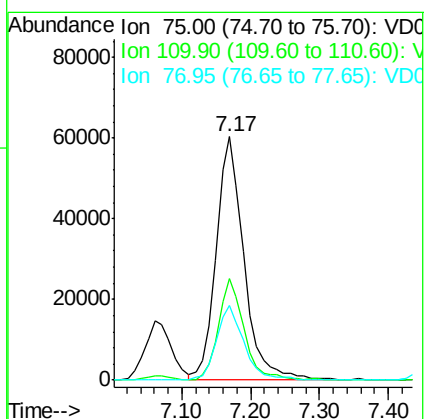
Tgt Ion: 75 Resp: 168193

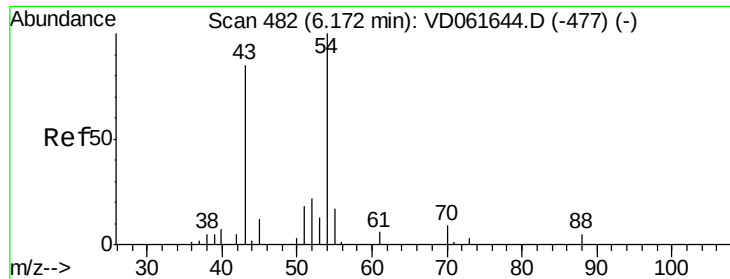
Ion Ratio Lower Upper

75 100

110 41.7 19.7 59.0

77 30.7 24.8 37.2

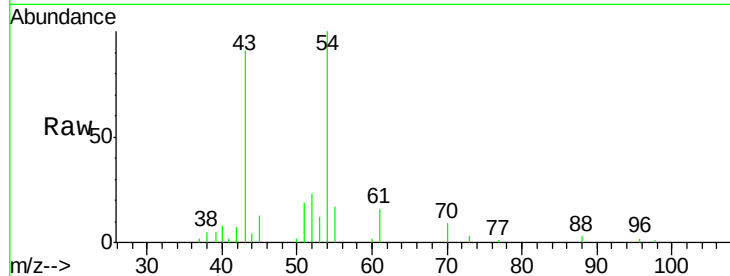




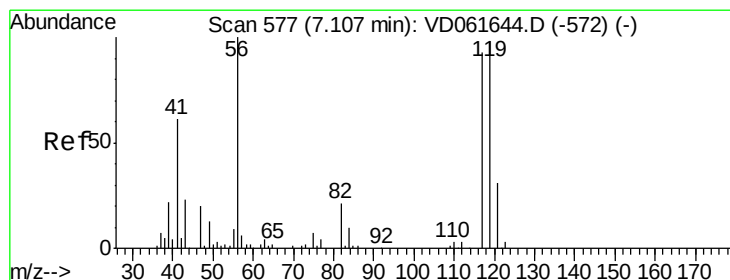
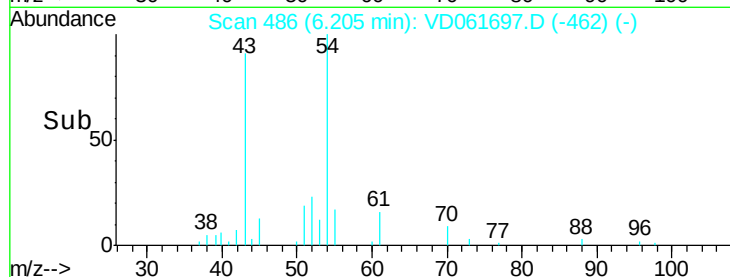
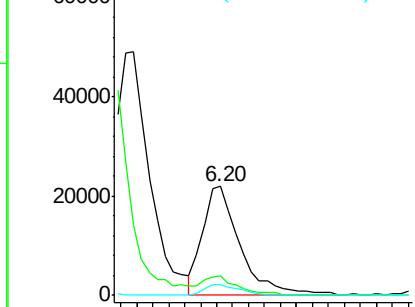
#37
Ethyl Acetate
Concen: 21.163 ug/l
RT: 6.20 min Scan# 486
Delta R.T. 0.03 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 72345
Ion Ratio Lower Upper
43 100
61 18.1 11.9 17.9#
70 10.3 6.9 10.3

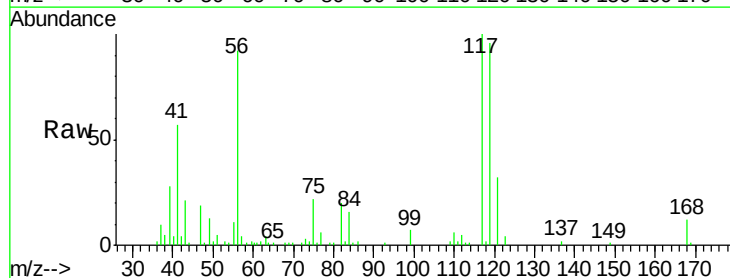


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

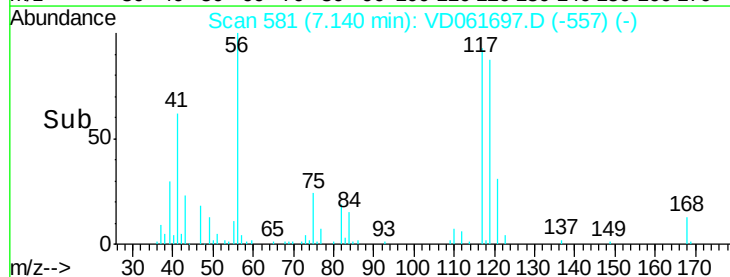
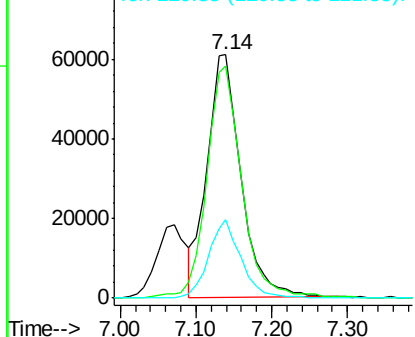


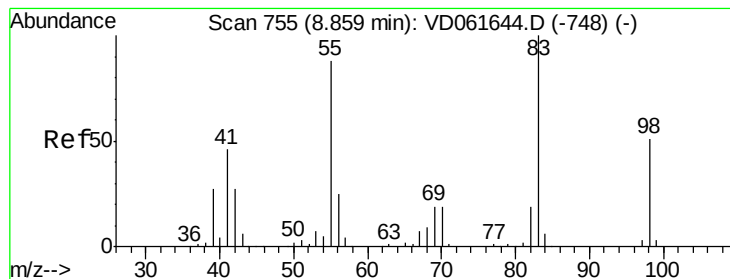
#38
Carbon Tetrachloride
Concen: 19.410 ug/l
RT: 7.14 min Scan# 581
Delta R.T. 0.03 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion: 117 Resp: 190919
Ion Ratio Lower Upper
117 100
119 95.5 77.9 116.9
121 32.4 24.7 37.1



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





#39

Methylvlcyclohexane

Concen: 17.997 ug/l

RT: 8.89 min Scan# 759

Delta R.T. 0.03 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

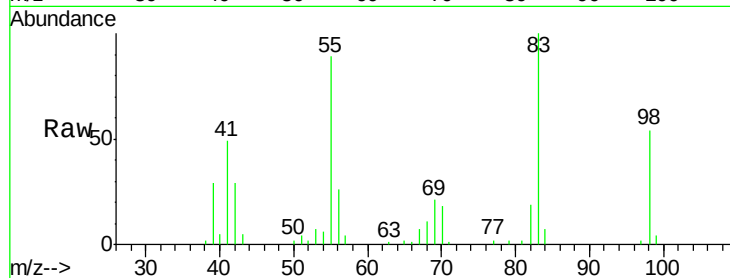
Tot Ion: 83 Resp: 155070

Ion Ratio Lower Upper

83 100

55 89.0 70.3 105.5

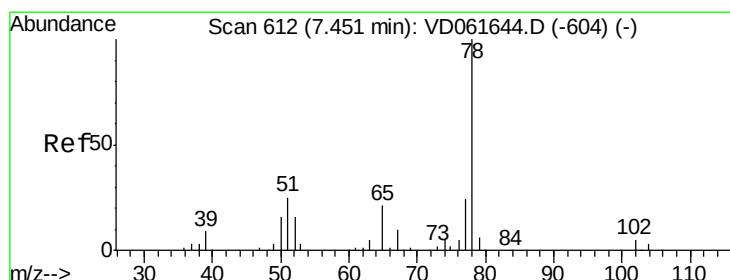
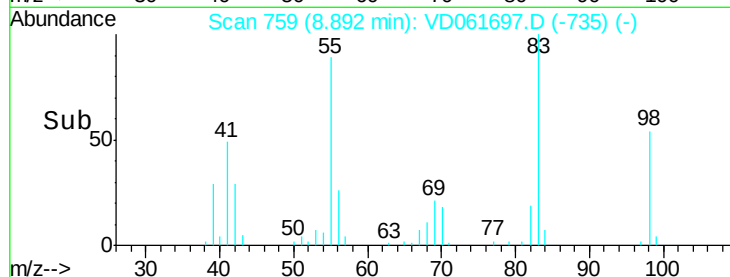
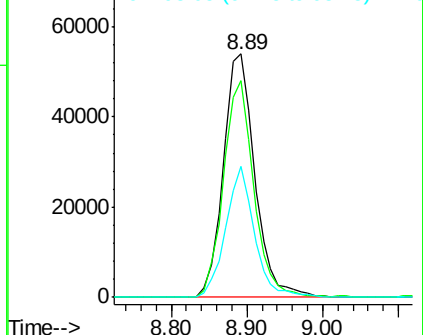
98 54.0 41.0 61.6



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: 21.702 ug/l

RT: 7.48 min Scan# 616

Delta R.T. 0.03 min

Lab File: VD061697.D

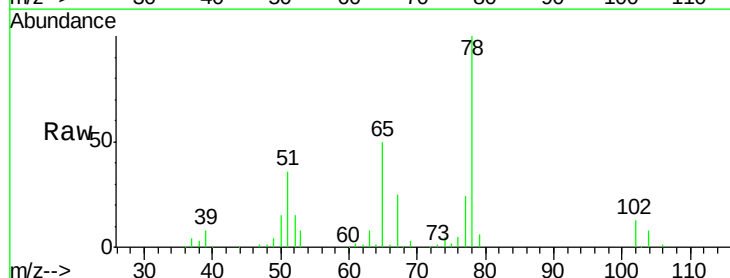
Acq: 10 Apr 2019 3:54

Tgt Ion: 78 Resp: 439409

Ion Ratio Lower Upper

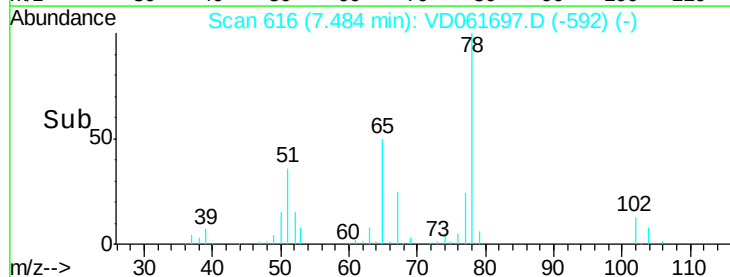
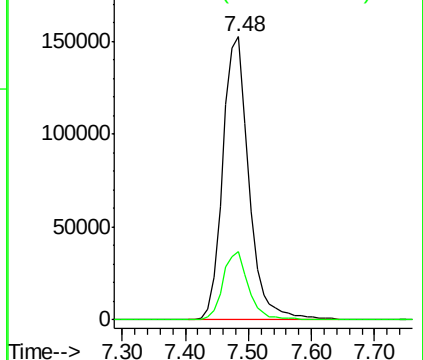
78 100

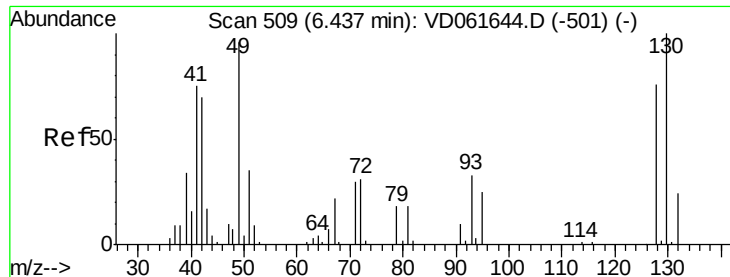
77 24.3 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

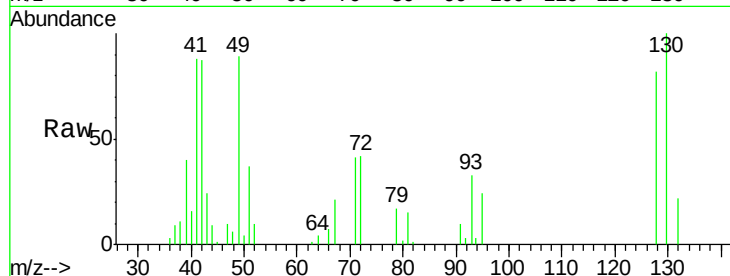




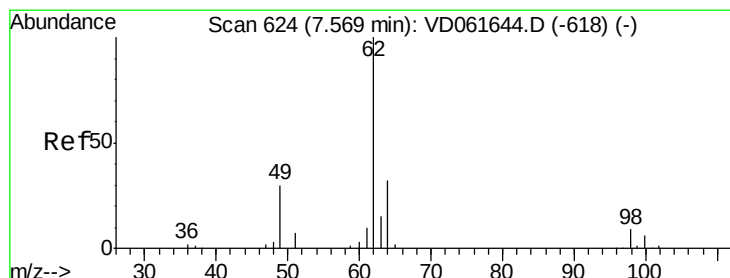
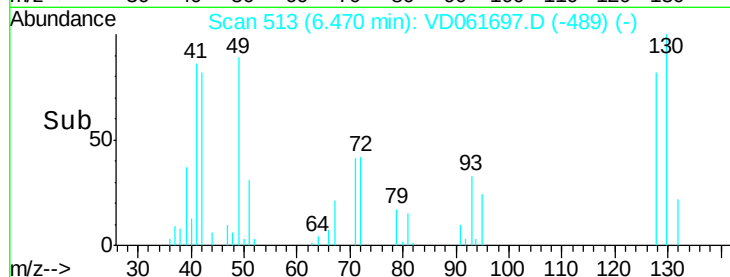
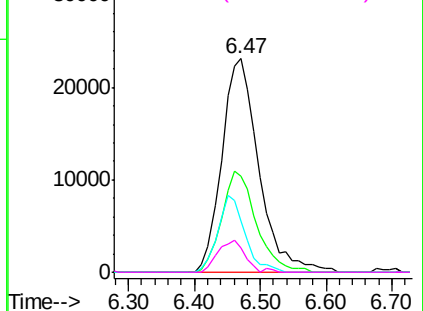
#41
Methacrylonitrile
Concen: 22.740 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	41	Resp:	90747
Ion	Ratio	Lower	Upper
41	100		
39	45.2	36.2	54.2
67	24.0	23.2	34.8
52	11.4	10.0	15.0

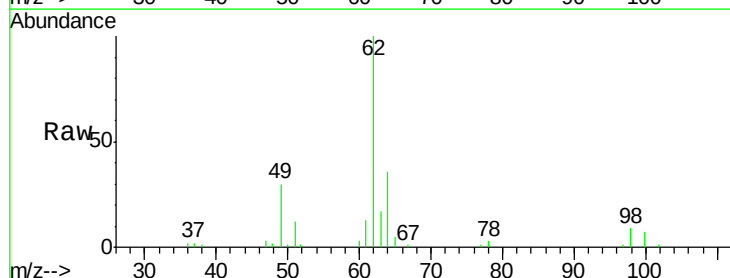


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

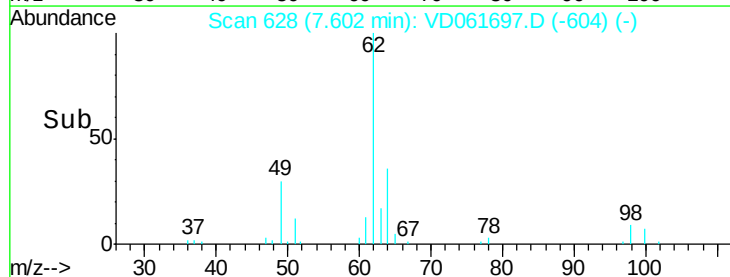
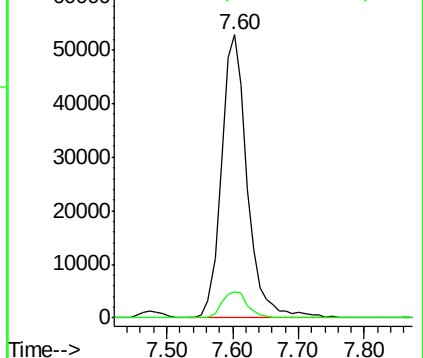


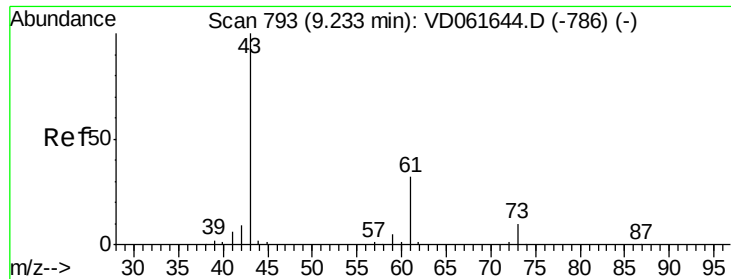
#42
1,2-Dichloroethane
Concen: 22.589 ug/l
RT: 7.60 min Scan# 628
Delta R.T. 0.03 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion:	62	Resp:	143839
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 20.870 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.02 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampled :

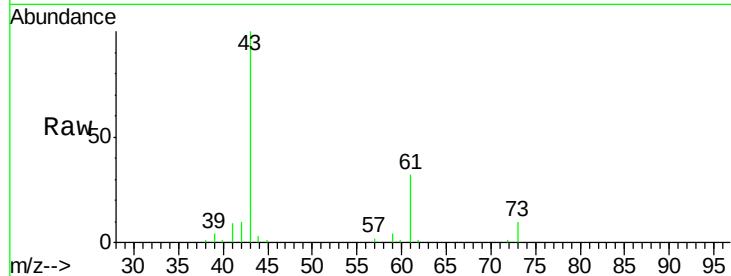
Tot Ion: 43 Resp: 103541

Ion Ratio Lower Upper

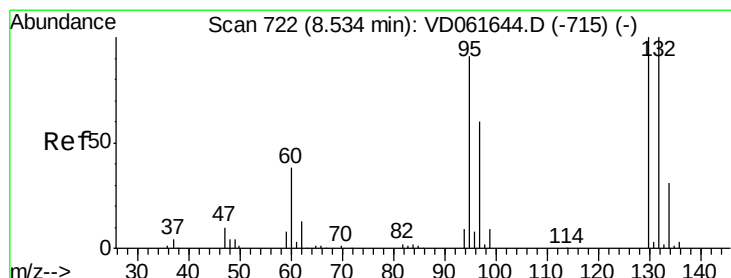
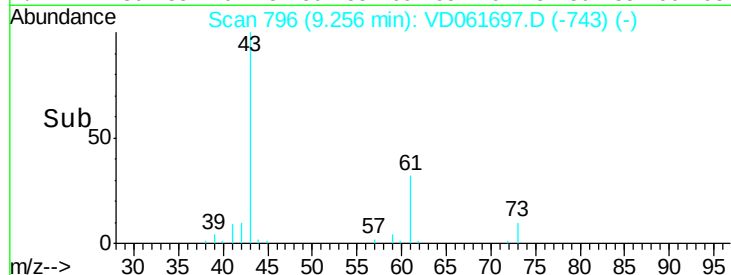
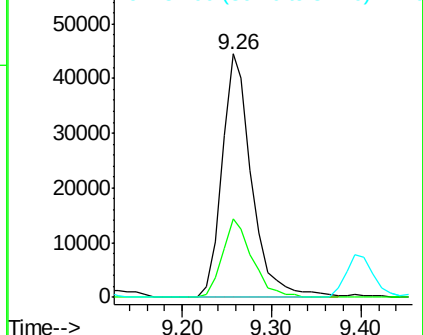
43 100

61 32.2 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: 20.119 ug/l

RT: 8.57 min Scan# 726

Delta R.T. 0.03 min

Lab File: VD061697.D

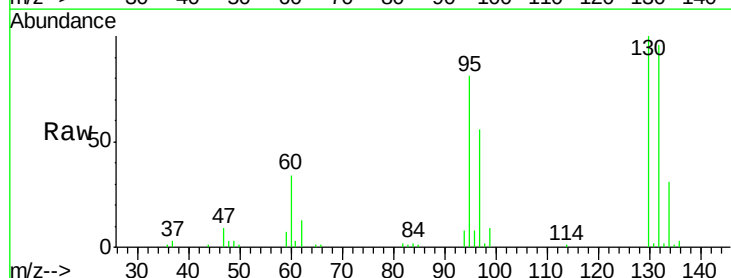
Acq: 10 Apr 2019 3:54

Tgt Ion:130 Resp: 156166

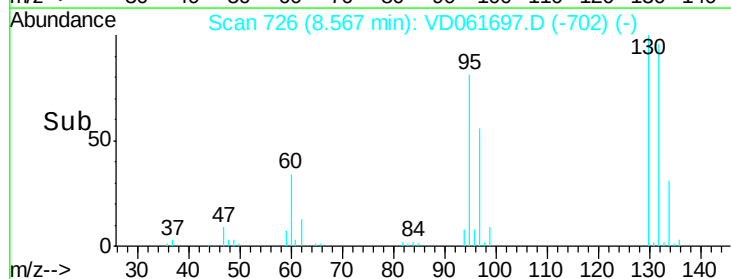
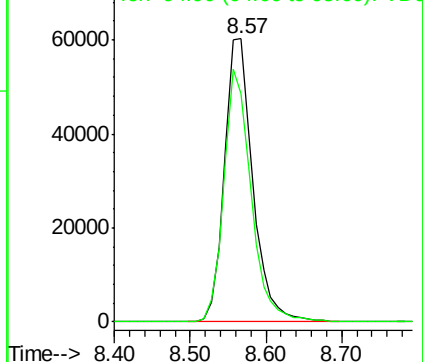
Ion Ratio Lower Upper

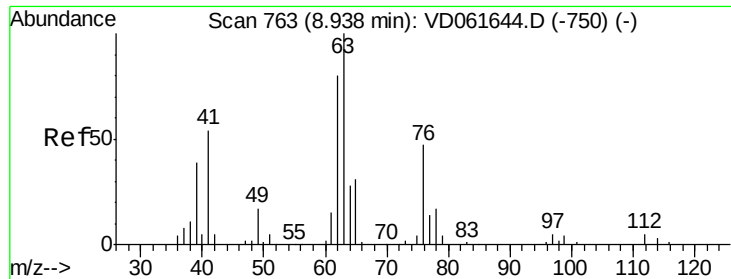
130 100

95 80.6 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: 20.906 ug/l

RT: 8.96 min Scan# 766

Delta R.T. 0.02 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

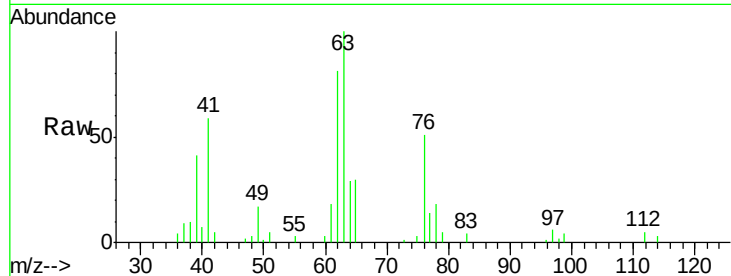
ClientSampleId :

Tot Ion: 63 Resp: 104975

Ion Ratio Lower Upper

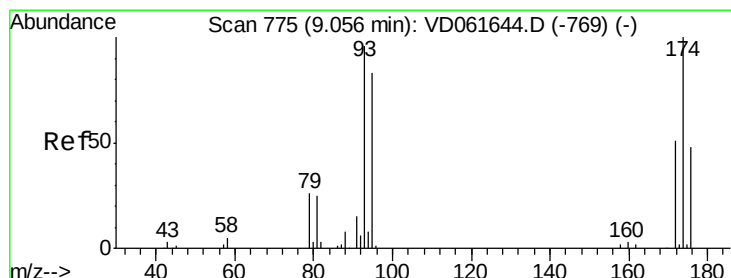
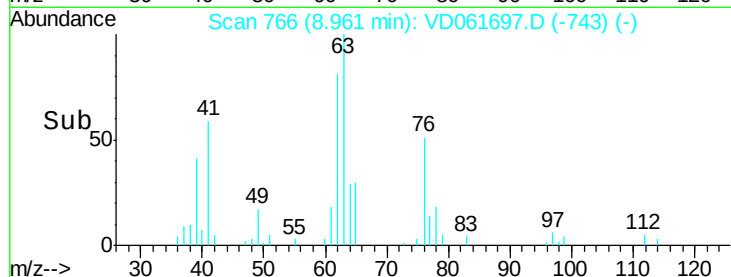
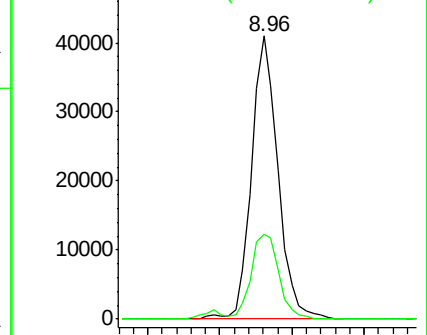
63 100

65 29.9 24.5 36.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.070 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.03 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

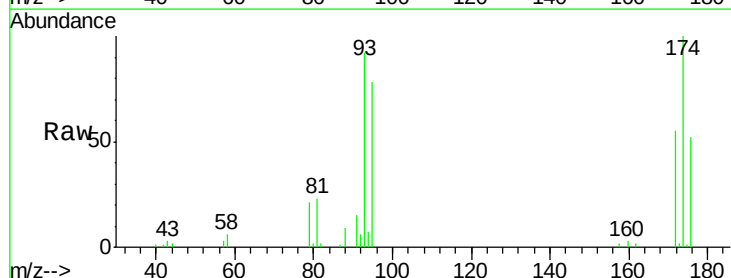
Tgt Ion: 93 Resp: 75615

Ion Ratio Lower Upper

93 100

95 85.5 68.6 103.0

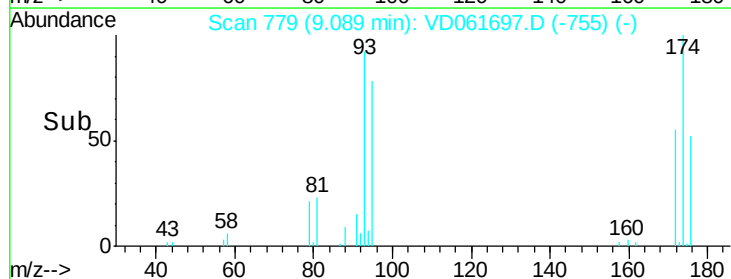
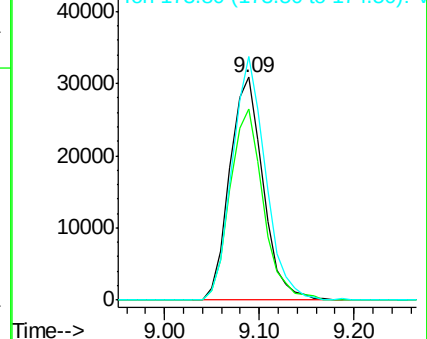
174 109.1 83.0 124.4

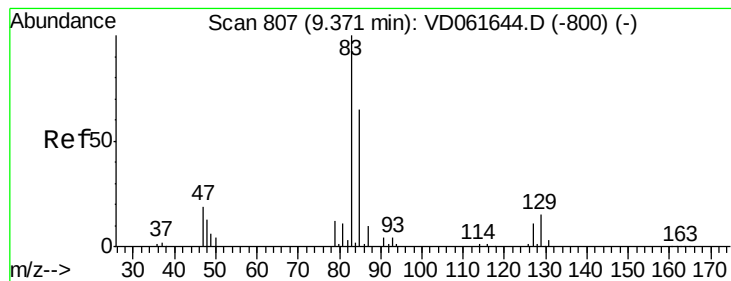


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.534 ug/l

RT: 9.39 min Scan# 810

Delta R.T. 0.02 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

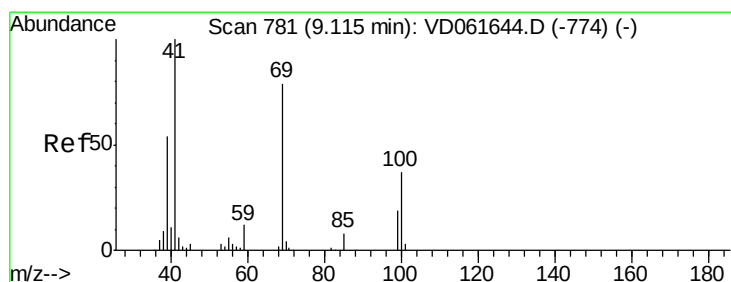
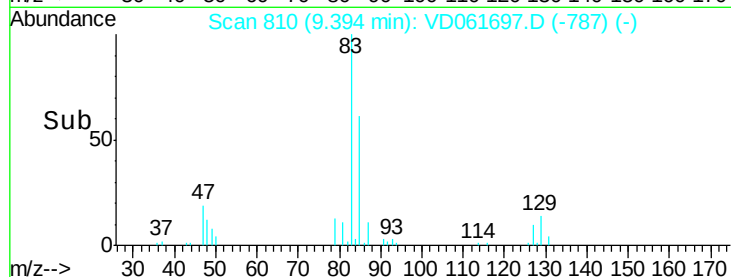
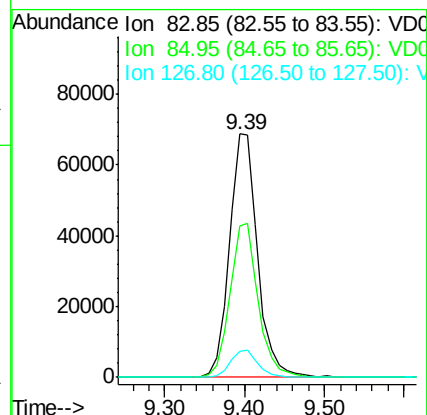
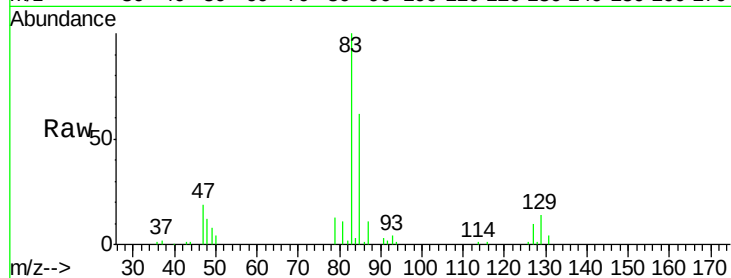
Tot Ion: 83 Resp: 169729

Ion Ratio Lower Upper

83 100

85 62.2 51.8 77.6

127 10.5 9.0 13.6



#48

Methyl methacrylate

Concen: 20.710 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.02 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

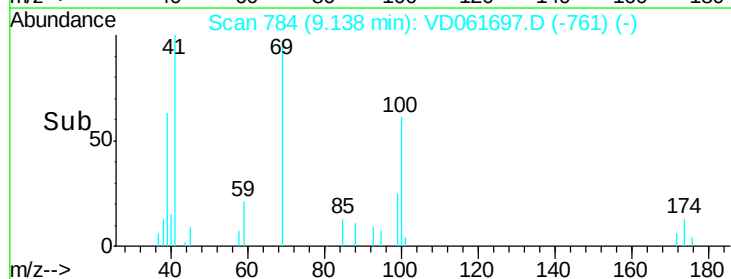
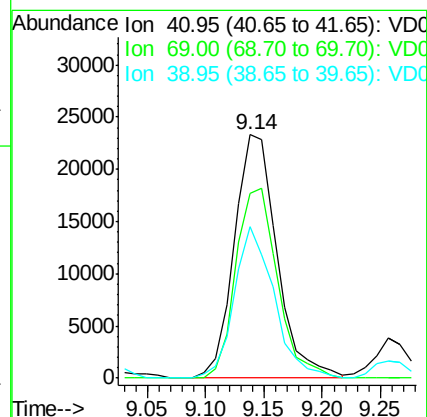
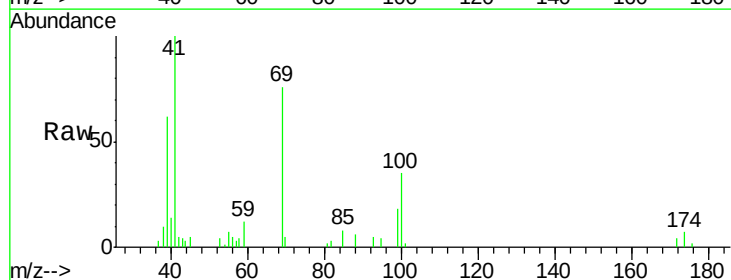
Tgt Ion: 41 Resp: 59228

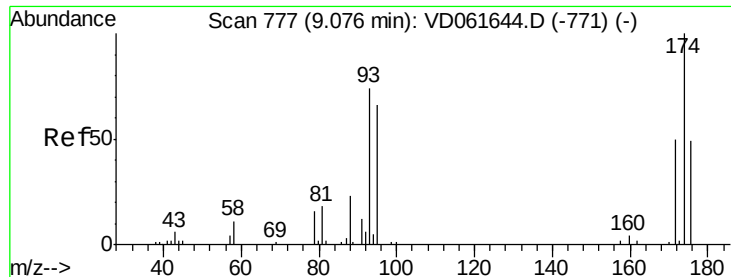
Ion Ratio Lower Upper

41 100

69 76.1 63.1 94.7

39 62.0 43.8 65.8

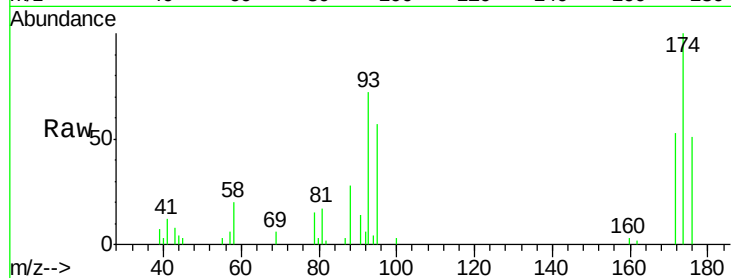




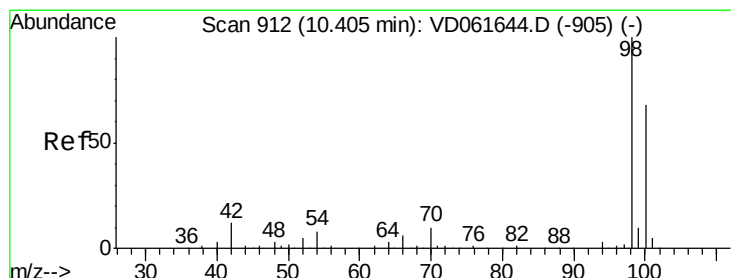
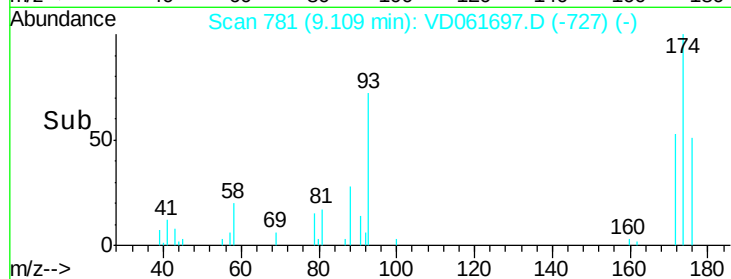
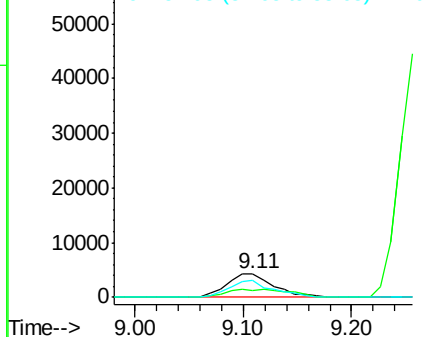
#49
1,4-Dioxane
Concen: 413.031 ug/l
RT: 9.11 min Scan# 781
Delta R.T. 0.03 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 13038
Ion Ratio Lower Upper
88 100
43 29.5 21.8 32.8
58 70.3 40.2 60.2#

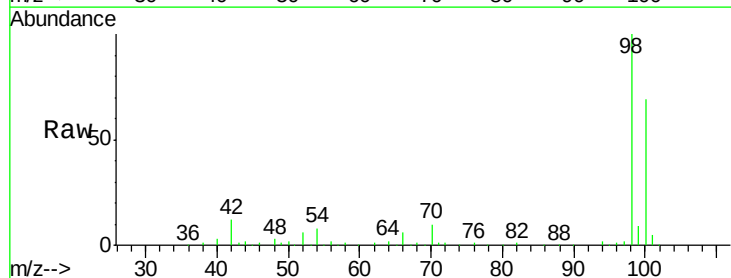


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

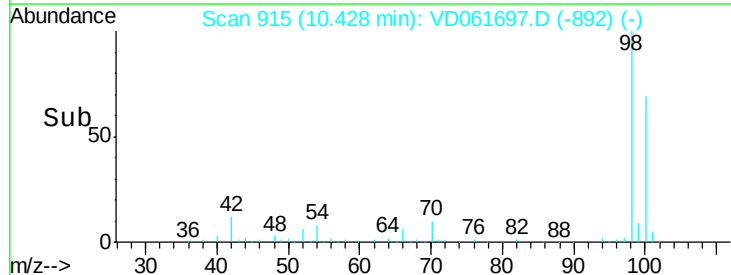
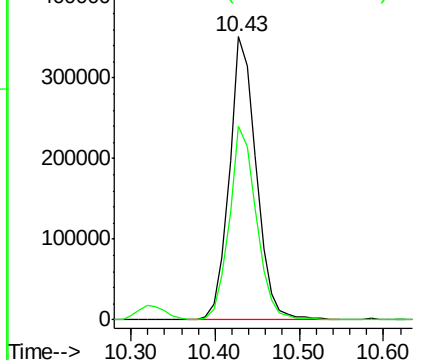


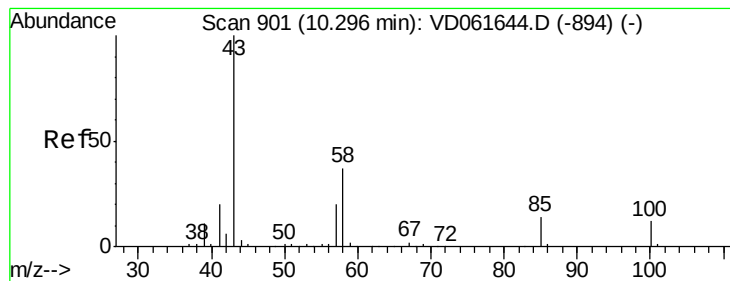
#50
Toluene-d8
Concen: 413.031 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.02 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion: 98 Resp: 780298
Ion Ratio Lower Upper
98 100
100 68.5 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: 115.193 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.02 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

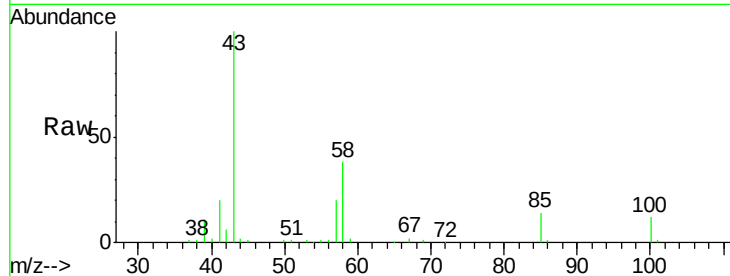
ClientSampleId :

Tot Ion: 43 Resp: 337984

Ion Ratio Lower Upper

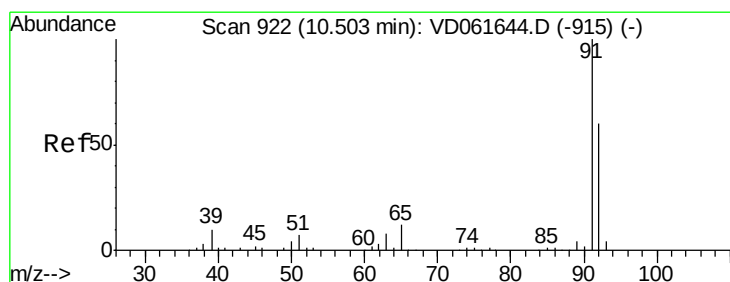
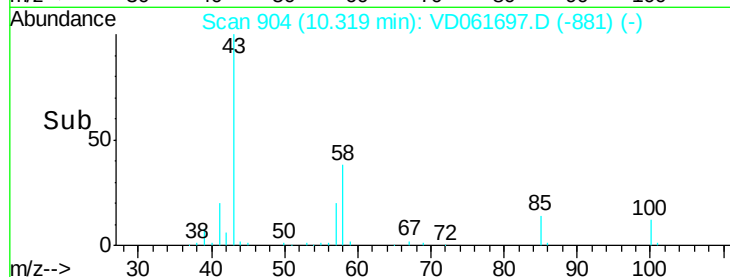
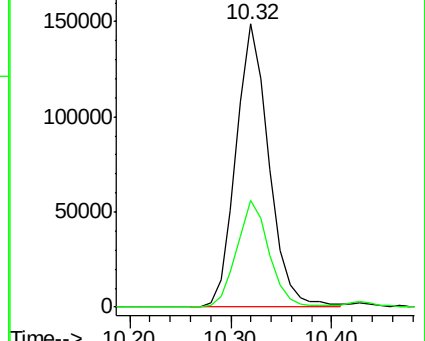
43 100

58 37.6 29.8 44.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.972 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.02 min

Lab File: VD061697.D

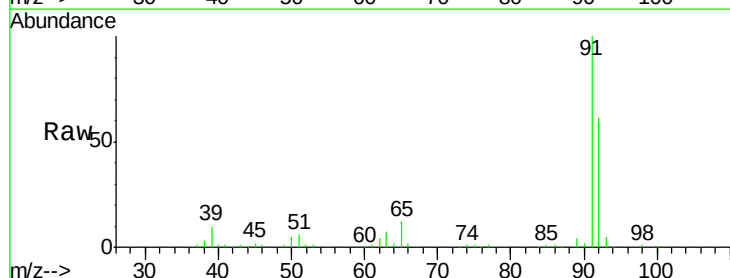
Acq: 10 Apr 2019 3:54

Tgt Ion: 92 Resp: 277802

Ion Ratio Lower Upper

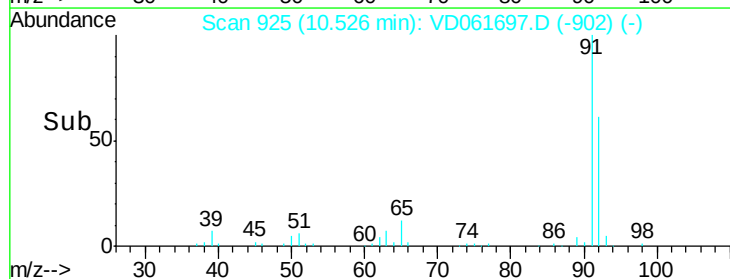
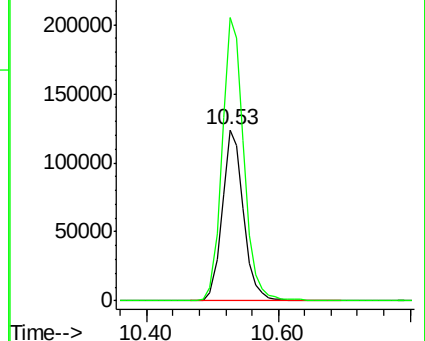
92 100

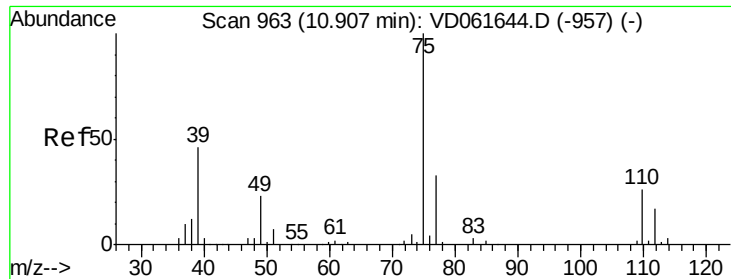
91 165.3 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

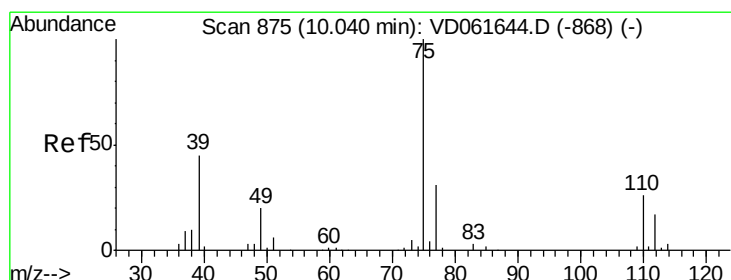
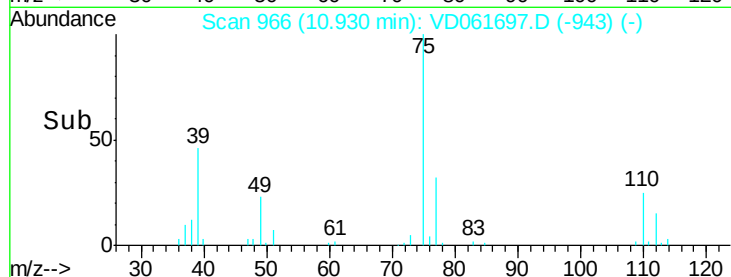
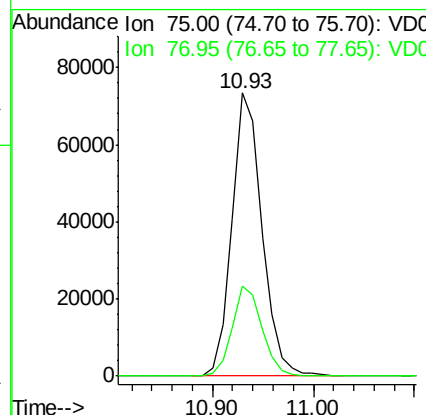
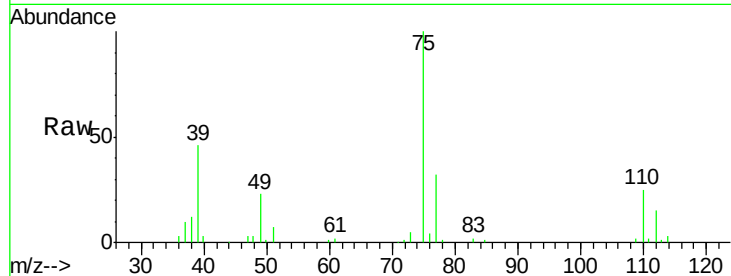




#53
 t-1,3-Dichloropropene
 Concen: 21.899 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.02 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

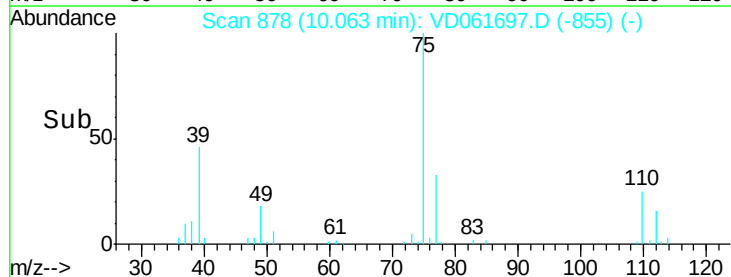
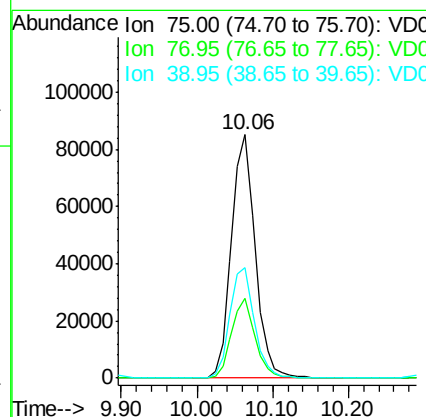
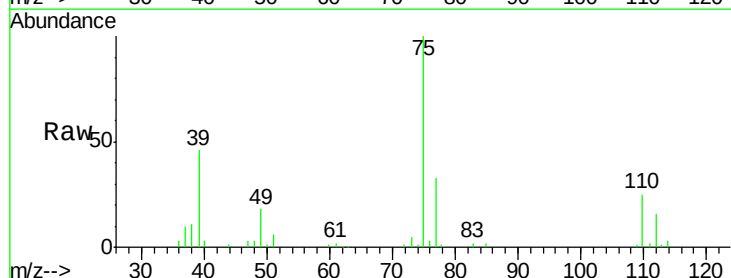
Instrument :
 MSVOA_D
 ClientSampleId :

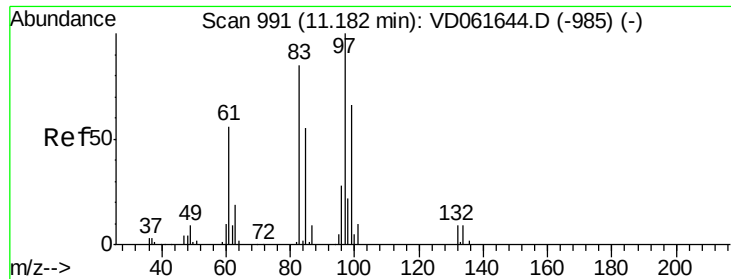
Tot Ion: 75 Resp: 151297
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 21.692 ug/l
 RT: 10.06 min Scan# 878
 Delta R.T. 0.02 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Tgt Ion: 75 Resp: 184749
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.6 37.0
 39 45.6 36.2 54.2

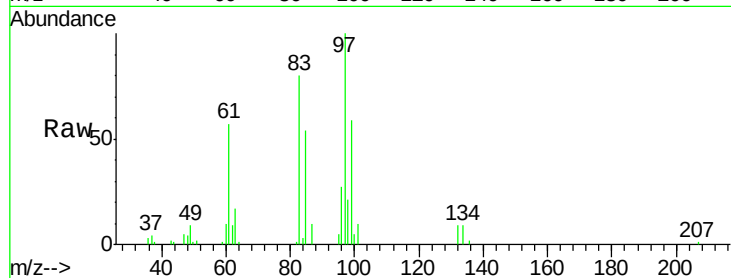




#55
 1,1,2-Trichloroethane
 Concen: 21.558 ug/l
 RT: 11.22 min Scan# 995
 Delta R.T. 0.03 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	97	Resp	91927
Ion	Ratio	Lower	Upper
97	100		
83	79.7	67.8	101.6
85	53.9	43.8	65.8
99	59.1	52.8	79.2

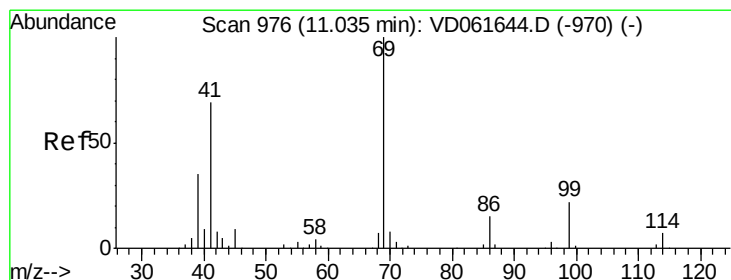
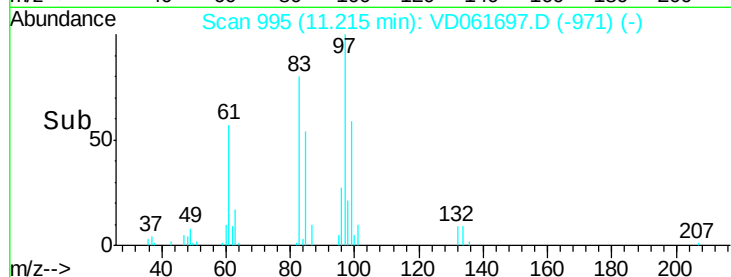
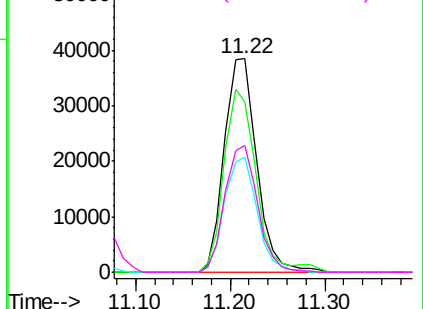


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

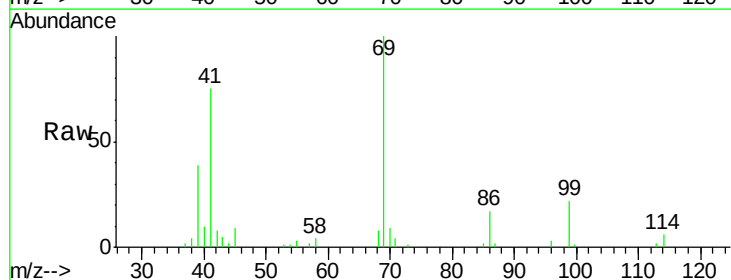
Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56
 Ethyl methacrylate
 Concen: 22.054 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.02 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

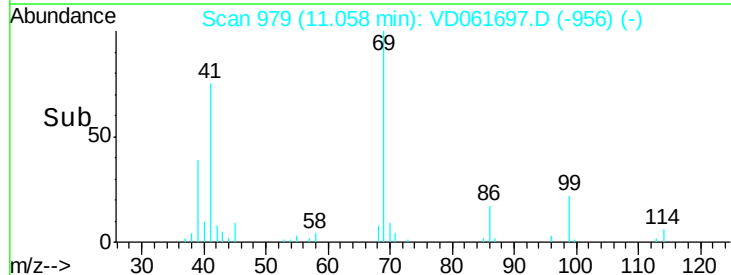
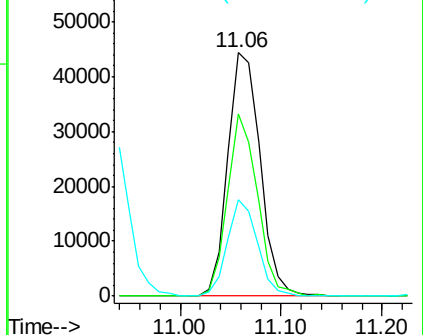
Tgt Ion	69	Resp	99208
Ion	Ratio	Lower	Upper
69	100		
41	74.9	55.2	82.8
39	39.4	28.6	43.0

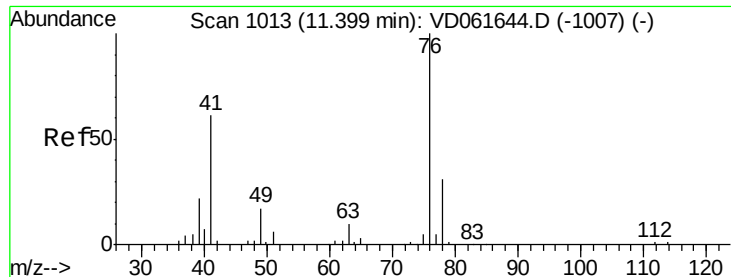


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

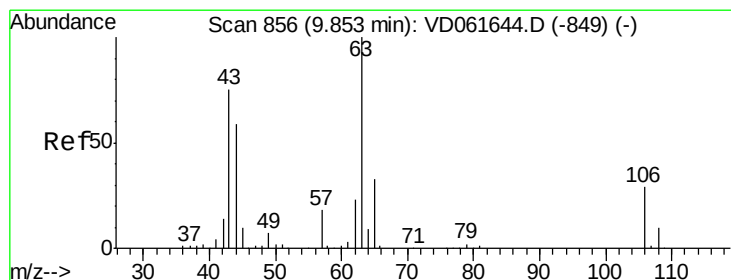
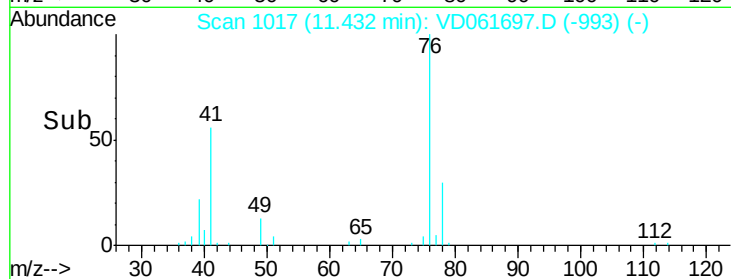
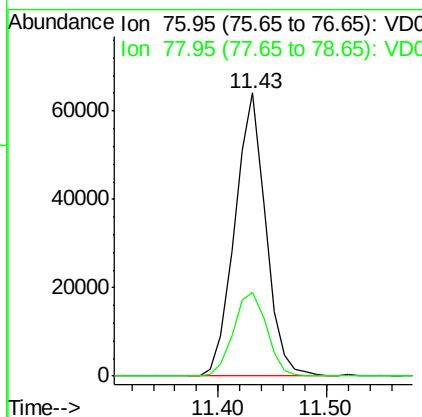
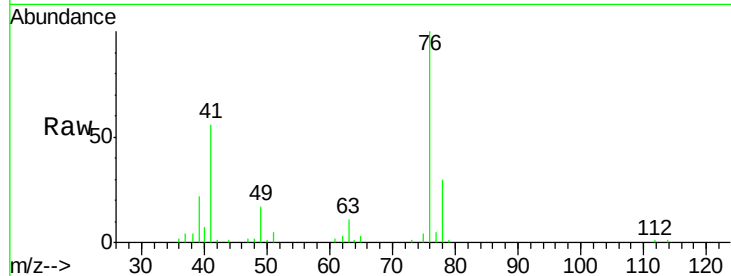




#57
 1,3-Dichloropropane
 Concen: 20.335 ug/l
 RT: 11.43 min Scan# 1017
 Delta R.T. 0.03 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

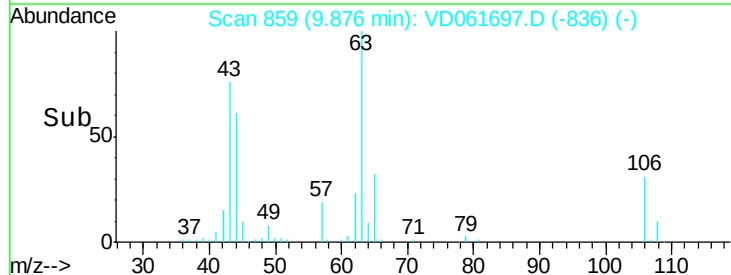
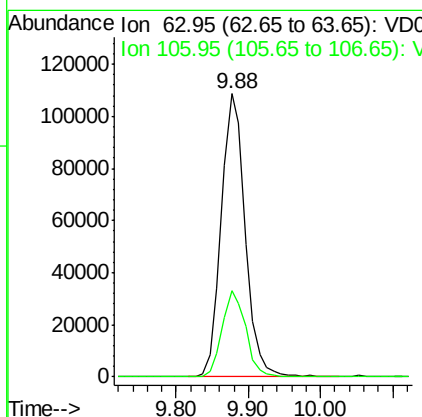
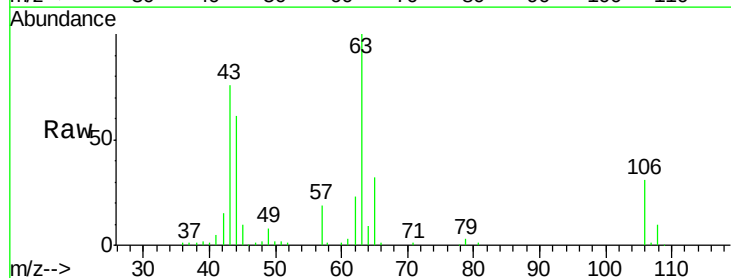
Instrument :
 MSVOA_D
 ClientSampled :

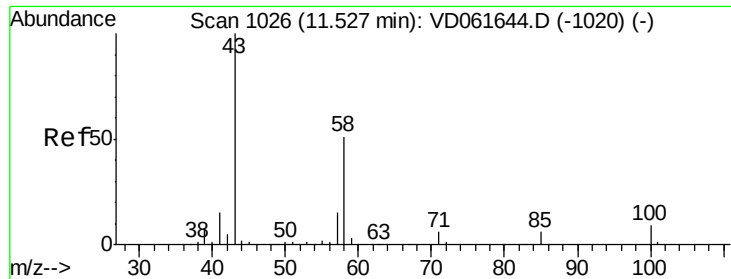
Tot Ion: 76 Resp: 126986
 Ion Ratio Lower Upper
 76 100
 78 29.5 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 117.254 ug/l
 RT: 9.88 min Scan# 859
 Delta R.T. 0.02 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Tgt Ion: 63 Resp: 248881
 Ion Ratio Lower Upper
 63 100
 106 30.5 23.0 34.6

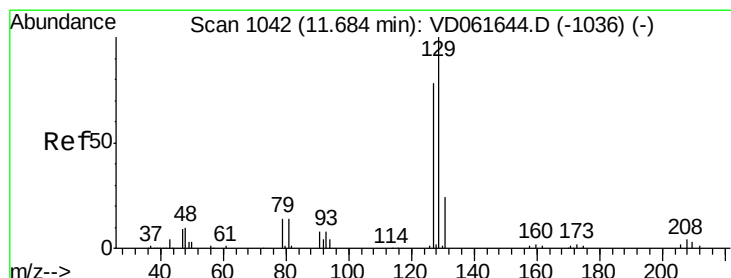
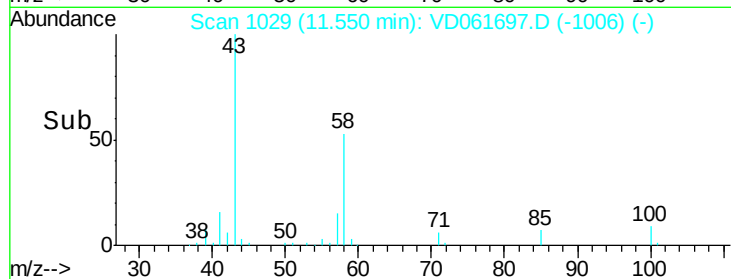
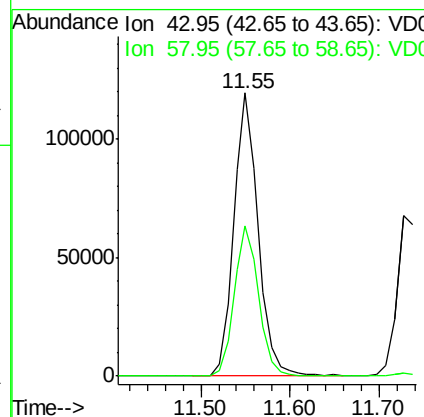
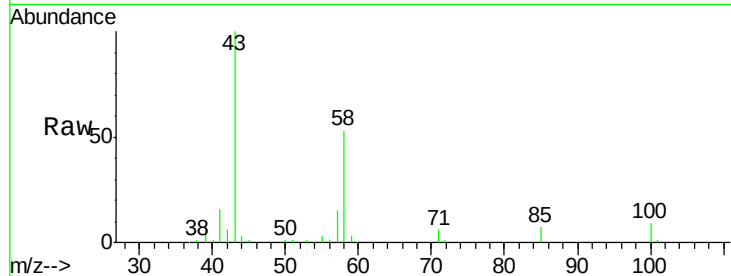




#59
2-Hexanone
Concen: 100.391 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.02 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

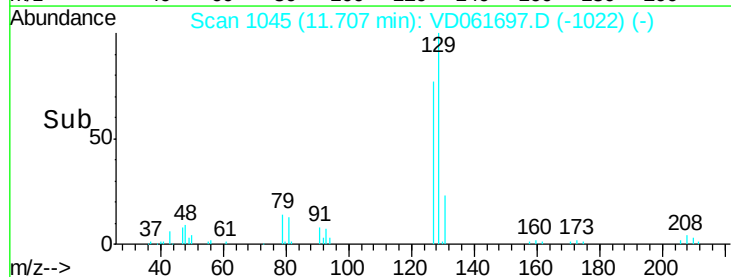
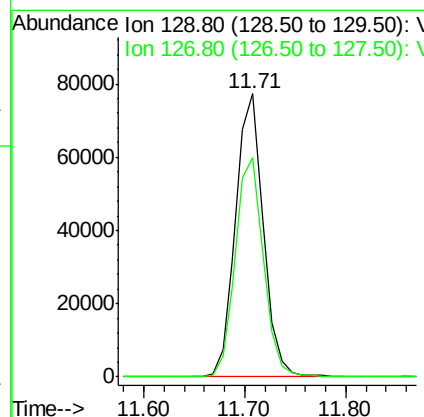
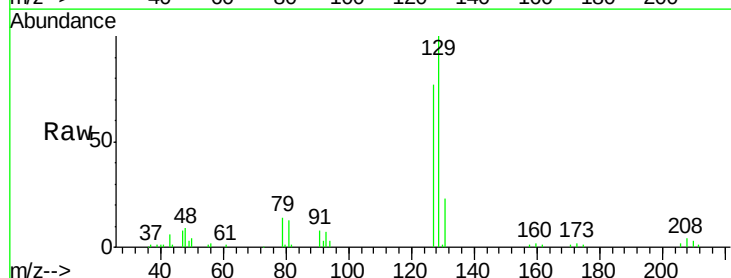
Instrument :
MSVOA_D
ClientSampled :

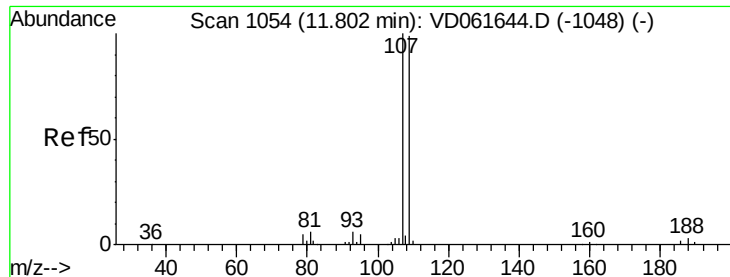
Tot Ion: 43 Resp: 228598
Ion Ratio Lower Upper
43 100
58 52.9 25.6 76.8



#60
Dibromochloromethane
Concen: 21.865 ug/l
RT: 11.71 min Scan# 1045
Delta R.T. 0.02 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion: 129 Resp: 147310
Ion Ratio Lower Upper
129 100
127 77.3 38.8 116.4

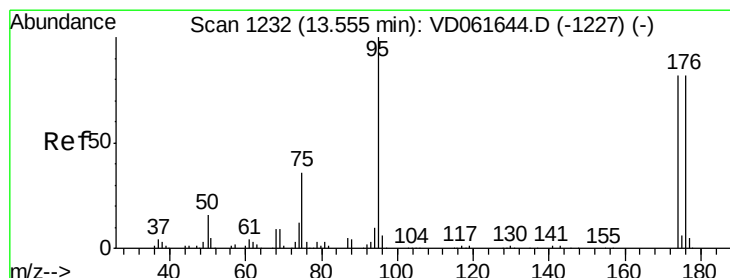
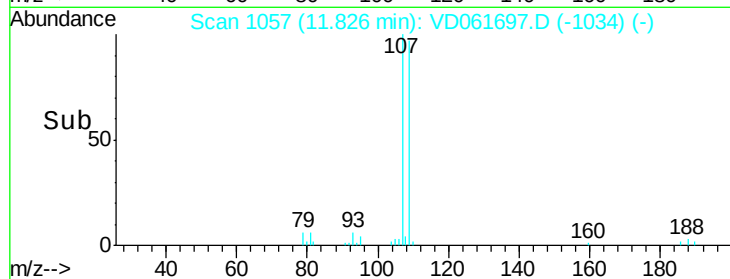
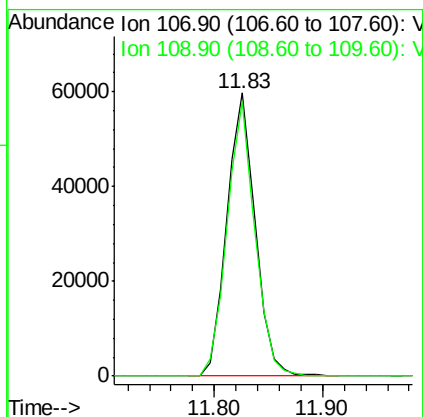
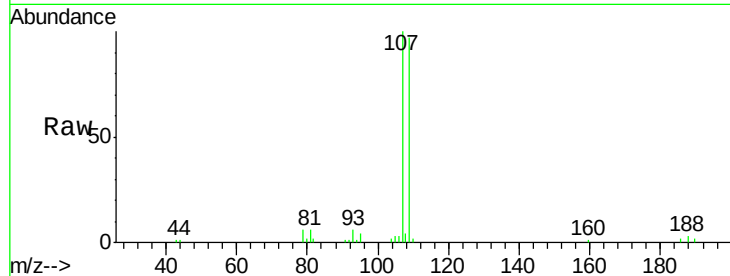




#61
 1,2-Dibromoethane
 Concen: 21.854 ug/l
 RT: 11.83 min Scan# 1057
 Delta R.T. 0.02 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

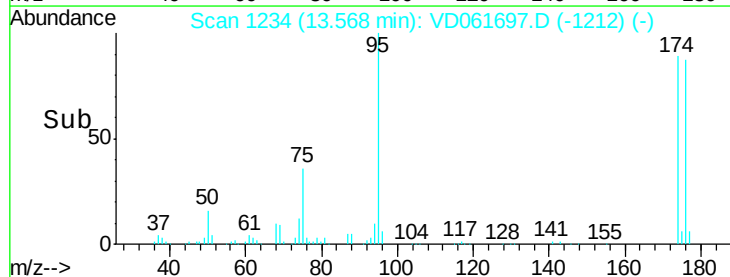
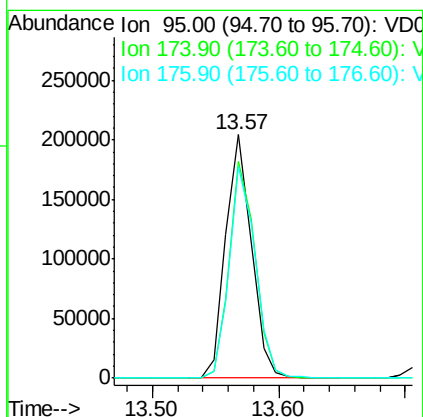
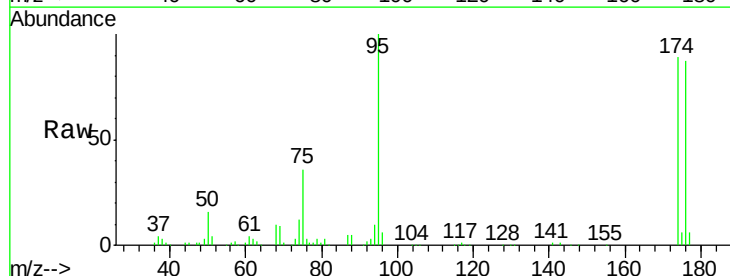
Instrument :
 MSVOA_D
 ClientSampleId :

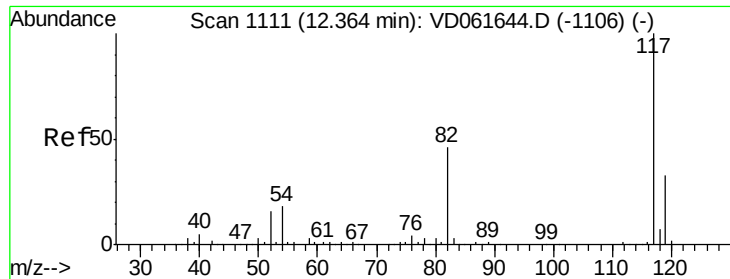
Tot Ion: 107 Resp: 108985
 Ion Ratio Lower Upper
 107 100
 109 97.2 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 21.854 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Tgt Ion: 95 Resp: 288329
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 164.6
 176 87.1 0.0 165.0

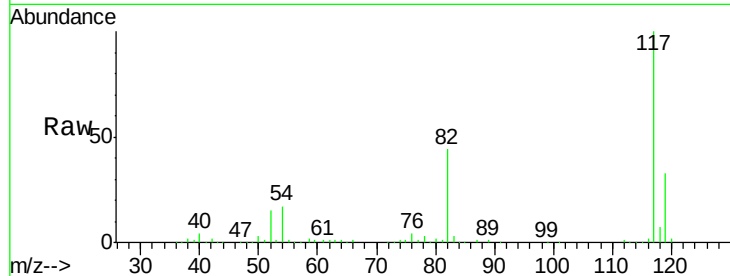




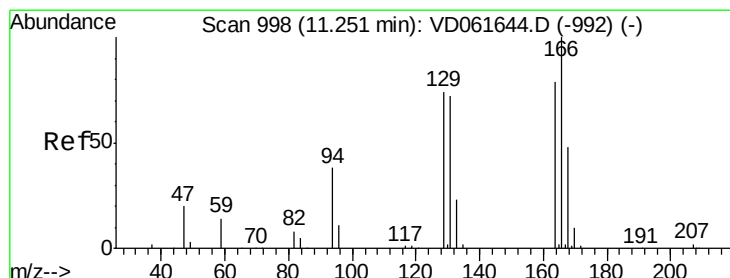
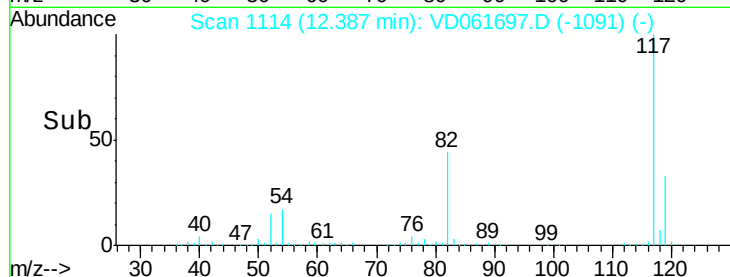
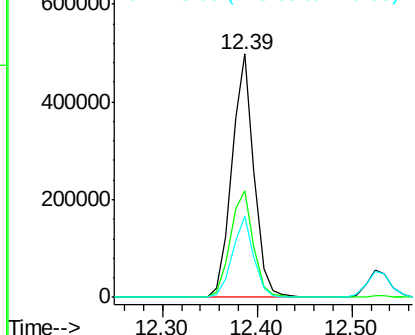
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.02 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 798793
Ion Ratio Lower Upper
117 100
82 43.9 36.8 55.2
119 33.2 26.1 39.1

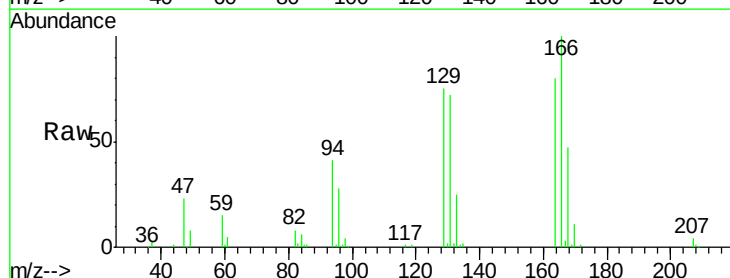


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

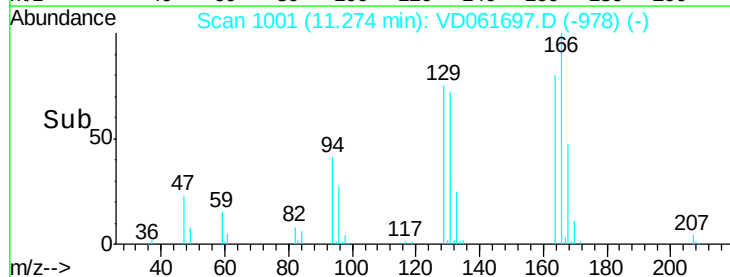
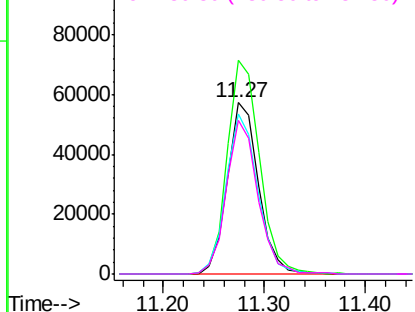


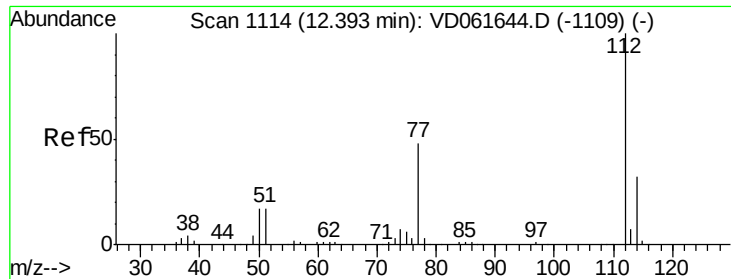
#64
Tetrachloroethene
Concen: 19.839 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. 0.02 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion:164 Resp: 123013
Ion Ratio Lower Upper
164 100
166 124.6 101.8 152.8
129 93.5 75.4 113.0
131 89.3 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

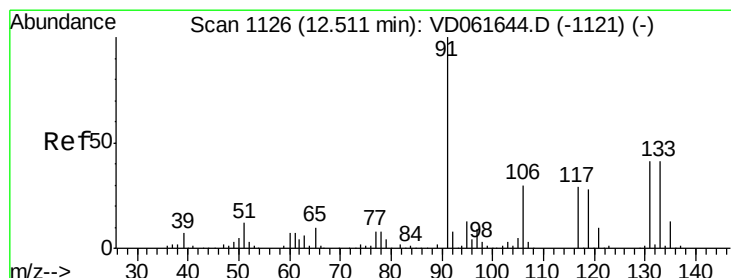
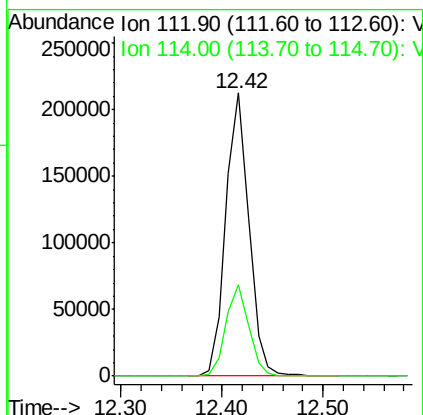
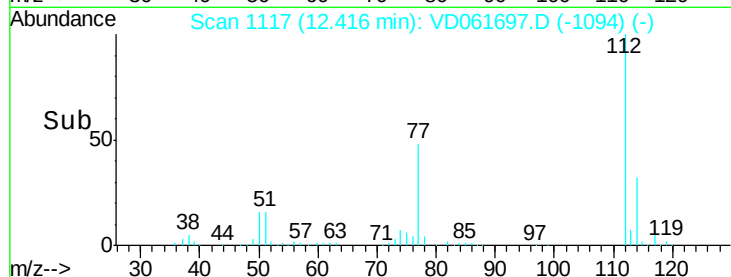
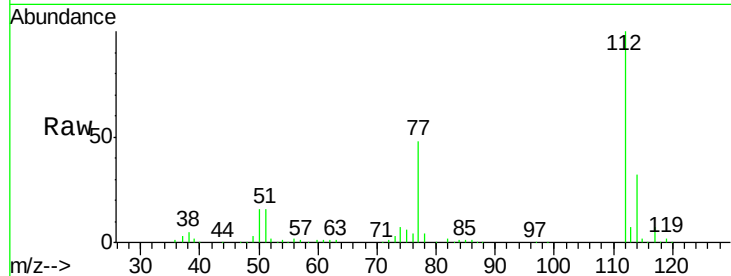




#65
Chlorobenzene
Concen: 21.396 ug/l
RT: 12.42 min Scan# 1117
Delta R.T. 0.02 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

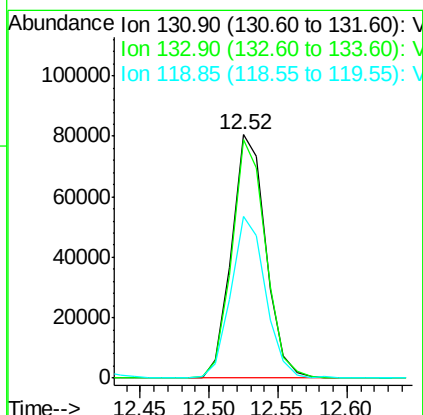
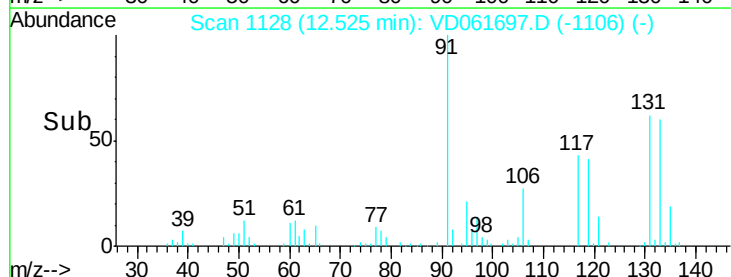
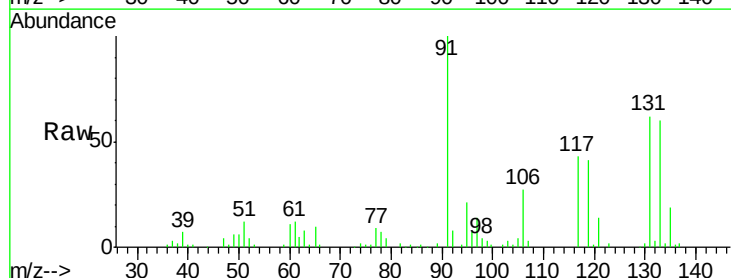
Instrument :
MSVOA_D
ClientSampled :

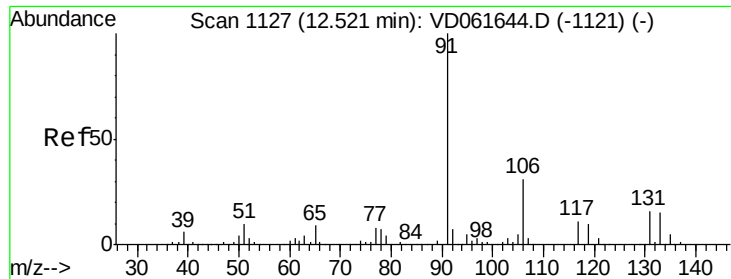
Tot Ion:112 Resp: 338931
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 22.829 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion:131 Resp: 139158
Ion Ratio Lower Upper
131 100
133 97.8 49.5 148.3
119 66.5 34.7 104.1

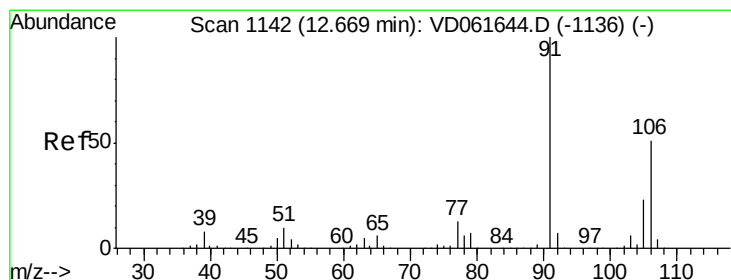
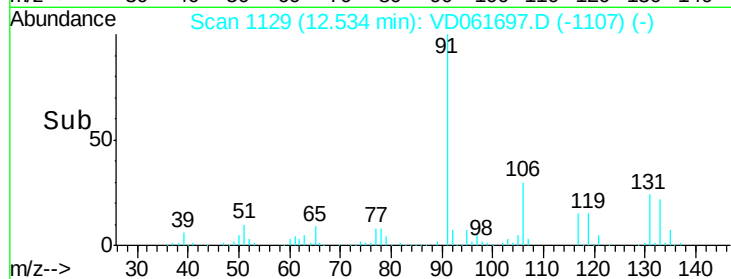
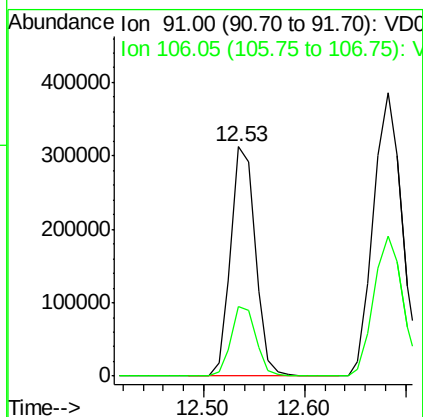
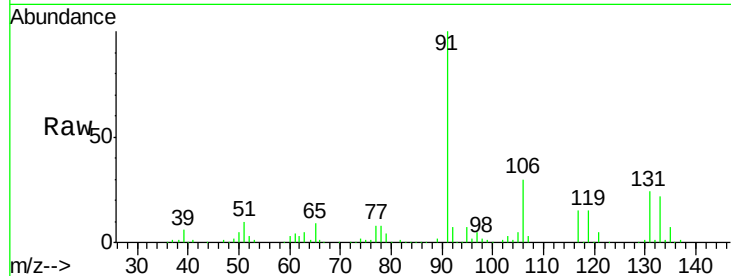




#67
Ethyl Benzene
Concen: 22.140 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

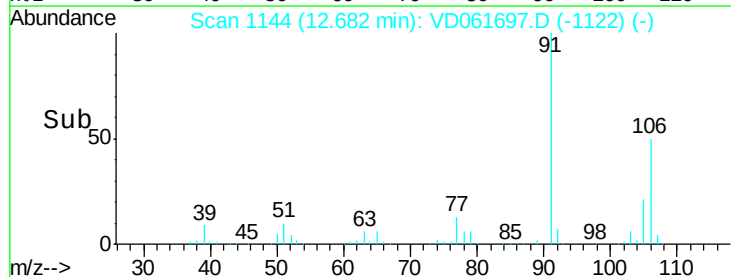
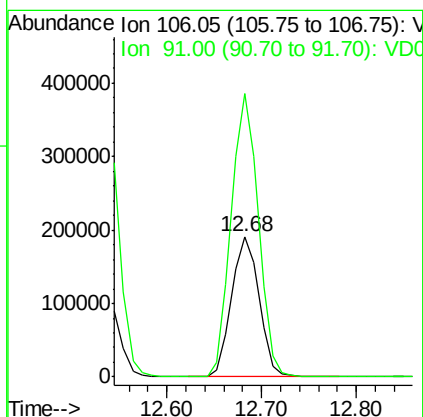
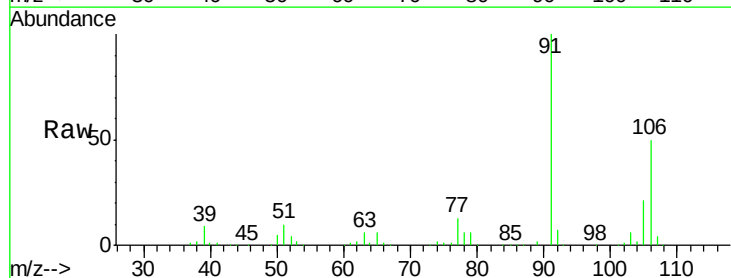
Instrument :
MSVOA_D
ClientSampleId :

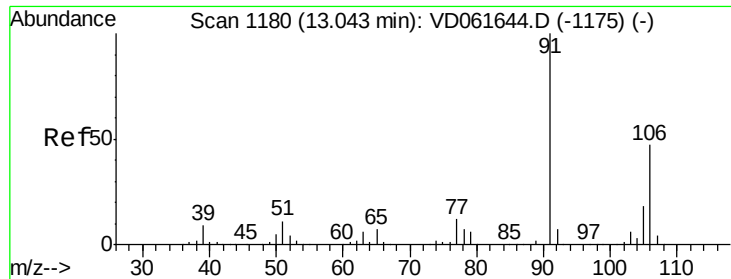
Tot Ion: 91 Resp: 534068
Ion Ratio Lower Upper
91 100
106 30.2 24.6 37.0



#68
m/p-Xylenes
Concen: 41.458 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion: 106 Resp: 385549
Ion Ratio Lower Upper
106 100
91 202.0 156.7 235.1

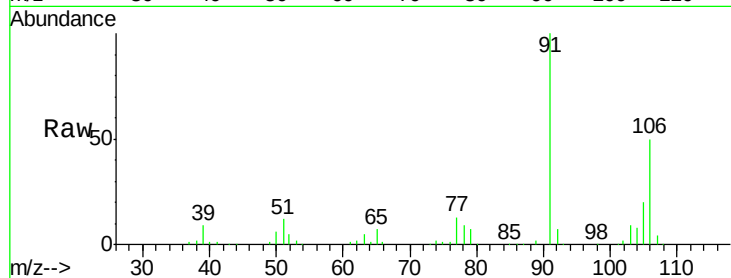




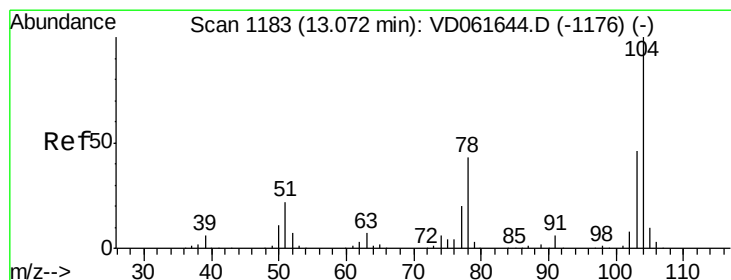
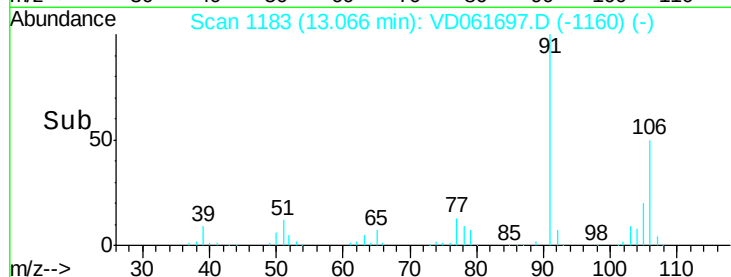
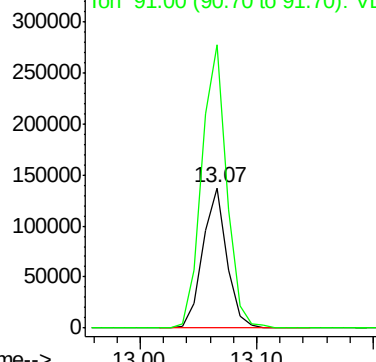
#69
o-Xylene
Concen: 21.893 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.02 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 196539
Ion Ratio Lower Upper
106 100
91 201.7 107.3 321.9

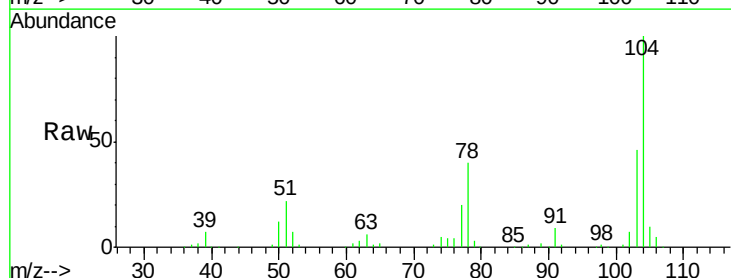


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

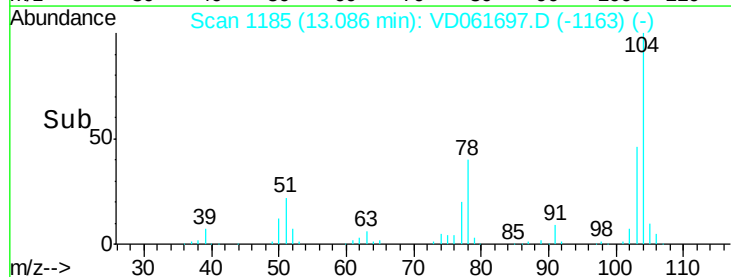
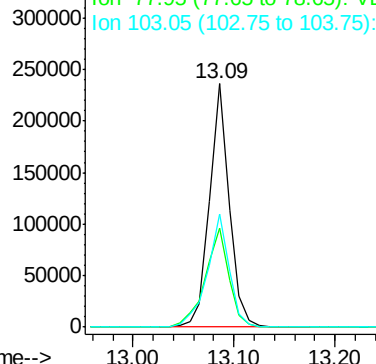


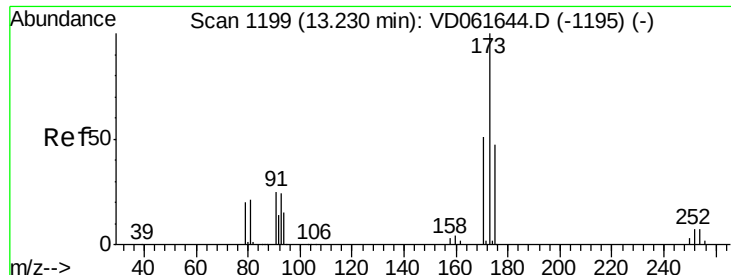
#70
Styrene
Concen: 20.884 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion:104 Resp: 320166
Ion Ratio Lower Upper
104 100
78 40.4 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: 21.515 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.02 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

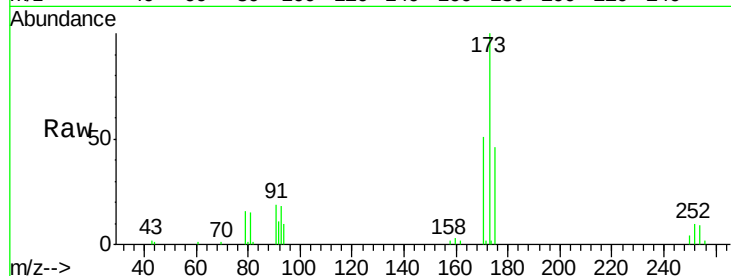
Tot Ion:173 Resp: 81373

Ion Ratio Lower Upper

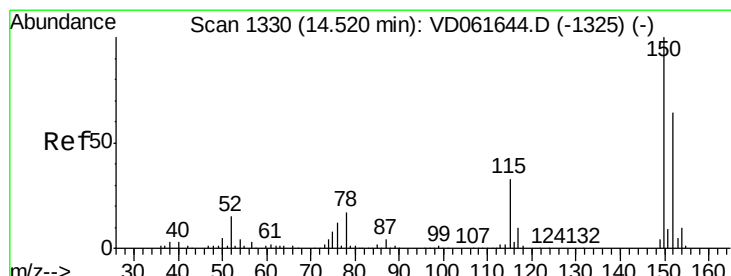
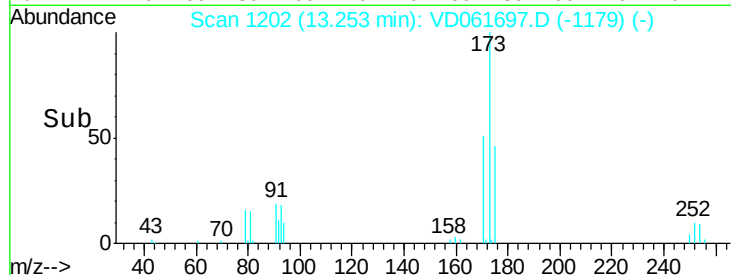
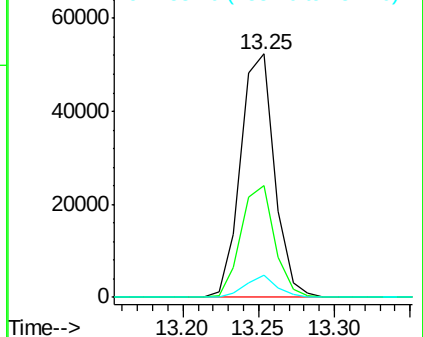
173 100

175 45.8 23.7 71.1

254 9.2 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: VD061697.D

Acq: 10 Apr 2019 3:54

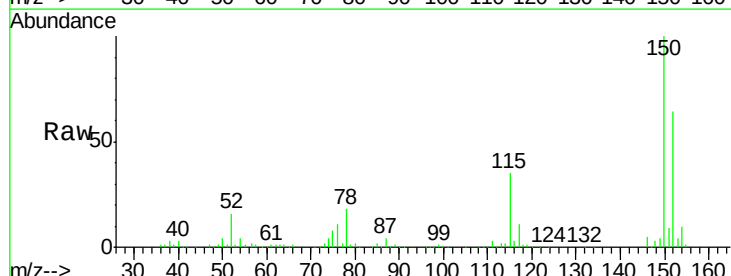
Tgt Ion:152 Resp: 357466

Ion Ratio Lower Upper

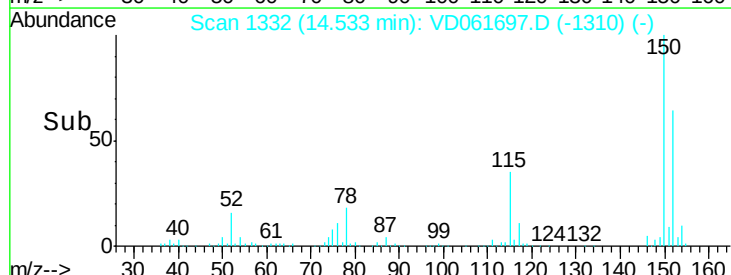
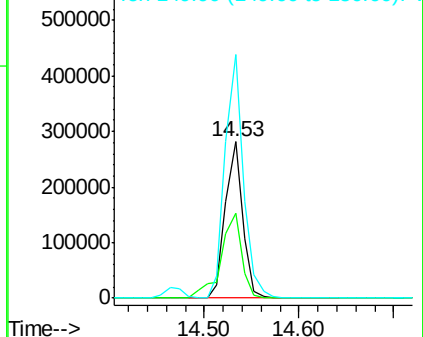
152 100

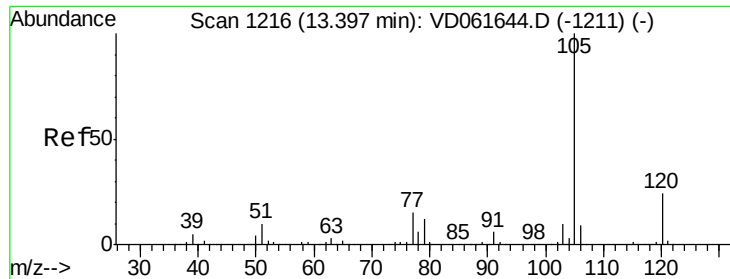
115 54.7 26.4 79.2

150 155.8 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

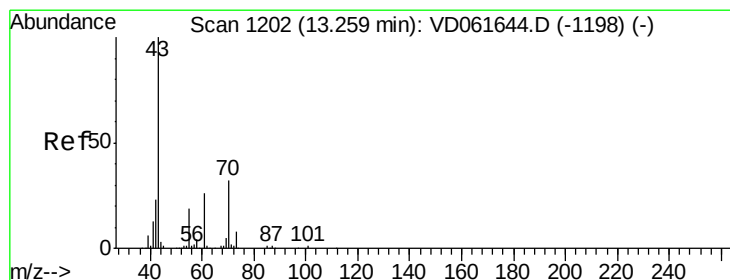
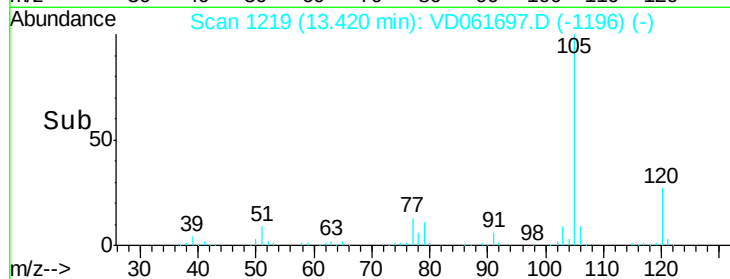
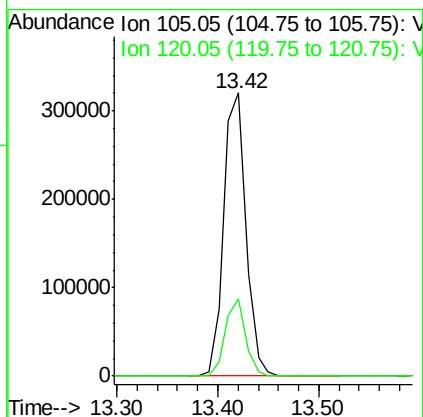
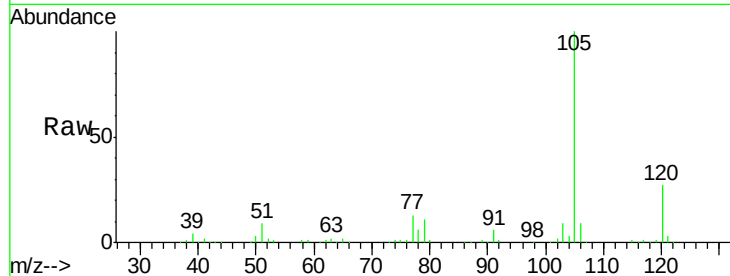




#73
Isopropylbenzene
Concen: 20.627 ug/l
RT: 13.42 min Scan# 1219
Delta R.T. 0.02 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

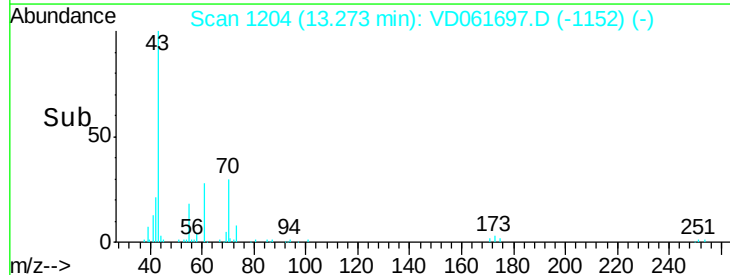
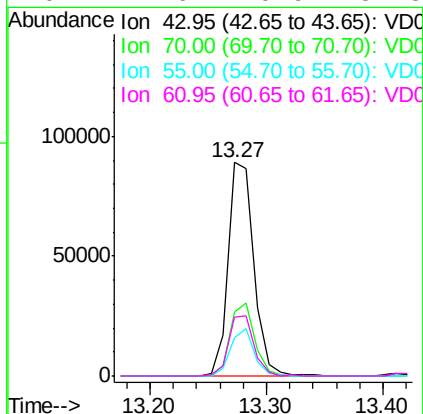
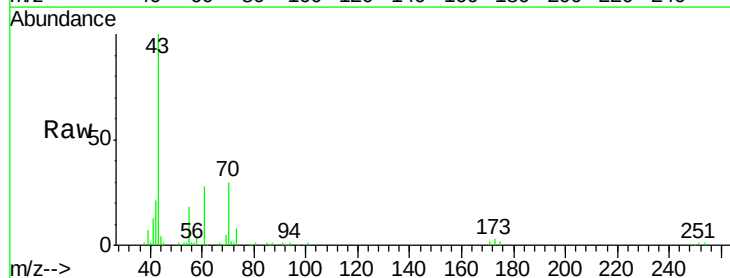
Instrument :
MSVOA_D
ClientSampleId :

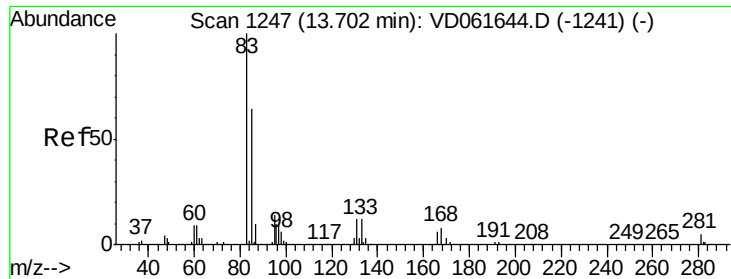
Tot Ion:105 Resp: 491299
Ion Ratio Lower Upper
105 100
120 27.3 12.2 36.4



#74
N-ethyl acetate
Concen: 20.986 ug/l
RT: 13.27 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion: 43 Resp: 135813
Ion Ratio Lower Upper
43 100
70 30.2 25.4 38.2
55 18.2 15.0 22.4
61 27.6 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 21.975 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

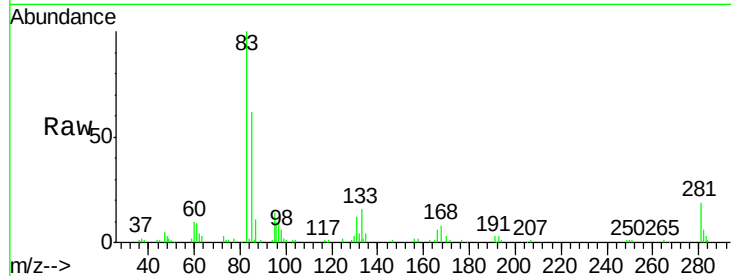
Tot Ion: 83 Resp: 108226

Ion	Ratio	Lower	Upper
83	100		
131	11.7	5.9	17.6
85	62.2	32.0	96.2

83 100

131 11.7 5.9 17.6

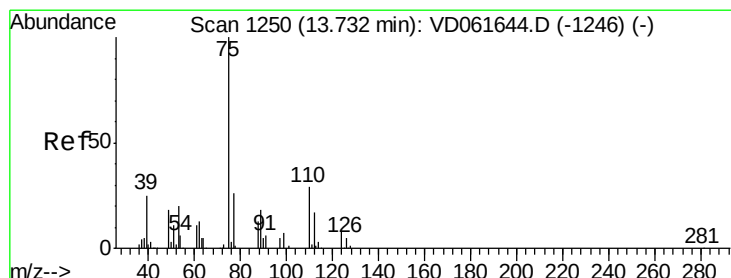
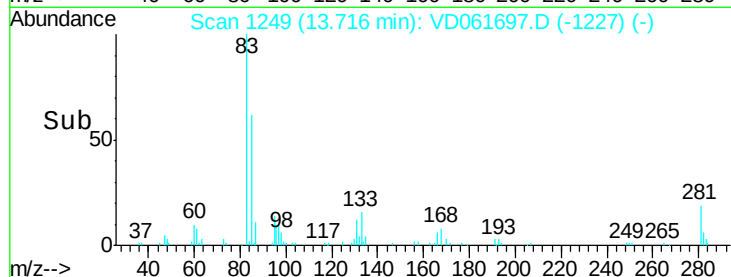
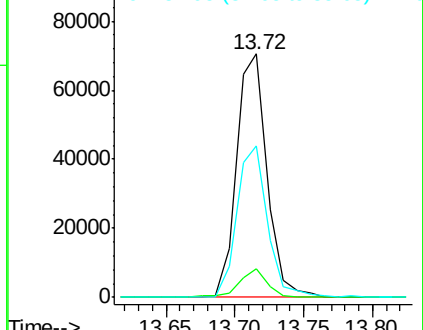
85 62.2 32.0 96.2



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: 22.503 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VD061697.D

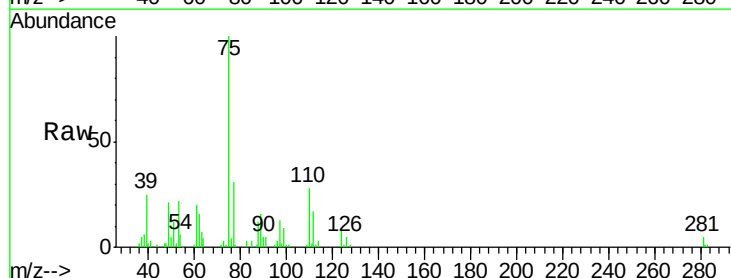
Acq: 10 Apr 2019 3:54

Tgt Ion: 75 Resp: 109438

Ion	Ratio	Lower	Upper
75	100		
77	31.3	15.7	47.1

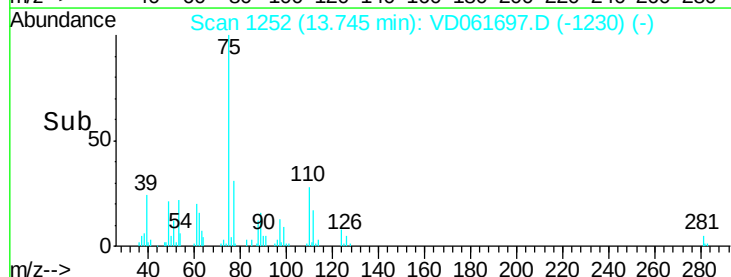
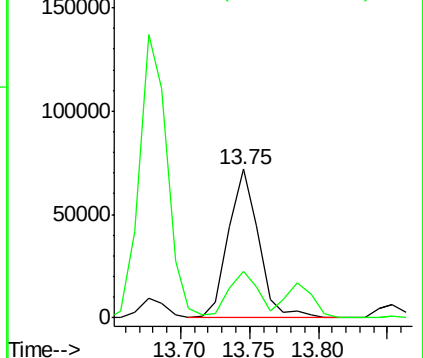
75 100

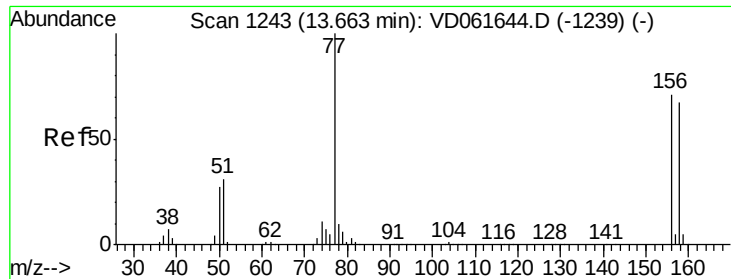
77 31.3 15.7 47.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 23.051 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.02 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

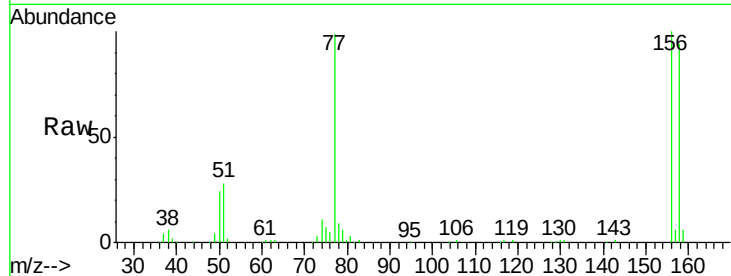
Tot Ion:156 Resp: 159369

Ion Ratio Lower Upper

156 100

77 99.1 70.3 210.8

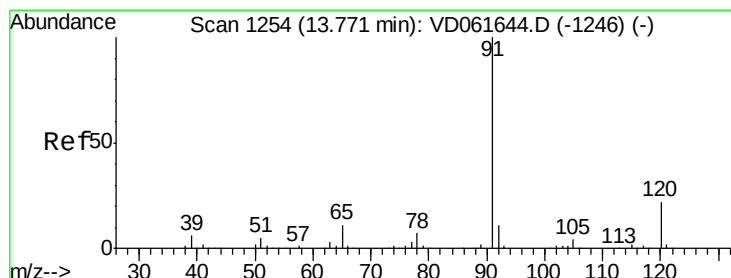
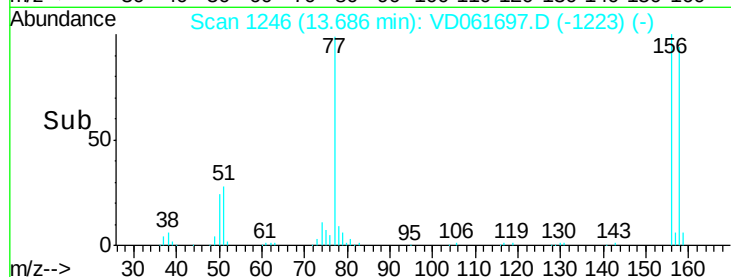
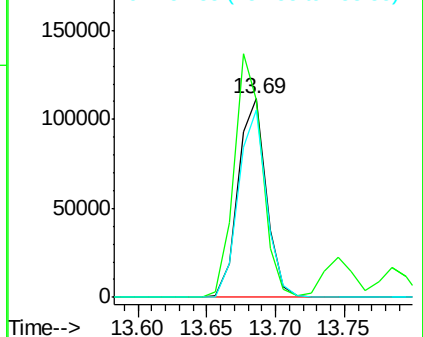
158 94.4 47.4 142.2



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: 22.746 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD061697.D

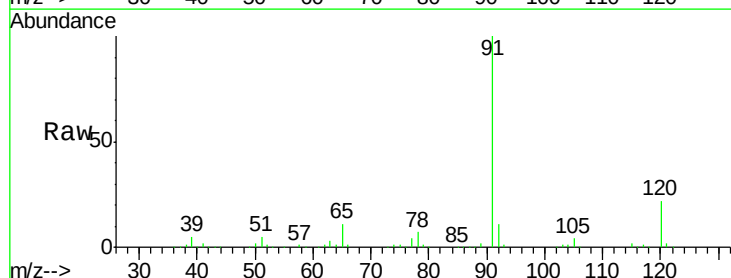
Acq: 10 Apr 2019 3:54

Tgt Ion: 91 Resp: 648061

Ion Ratio Lower Upper

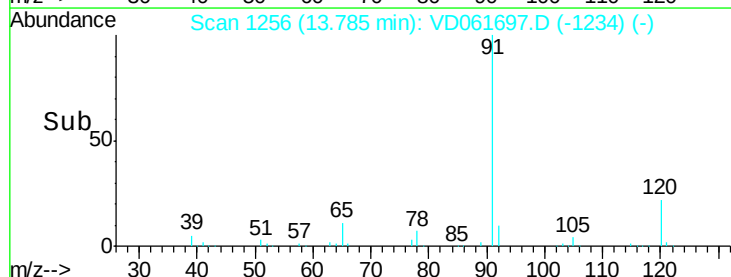
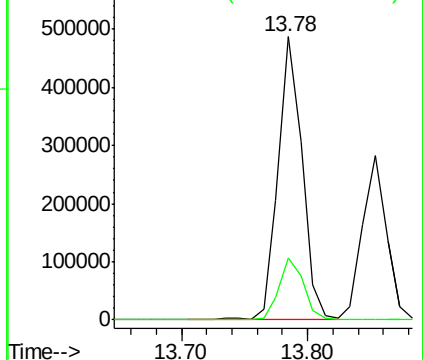
91 100

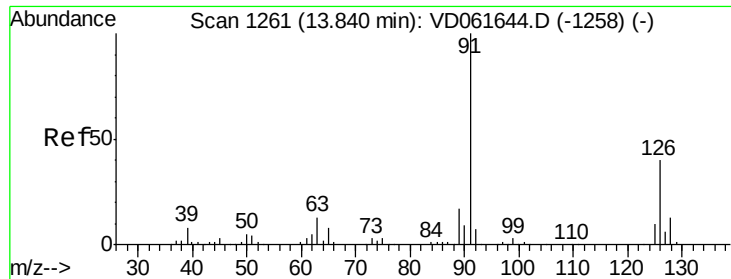
120 21.9 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

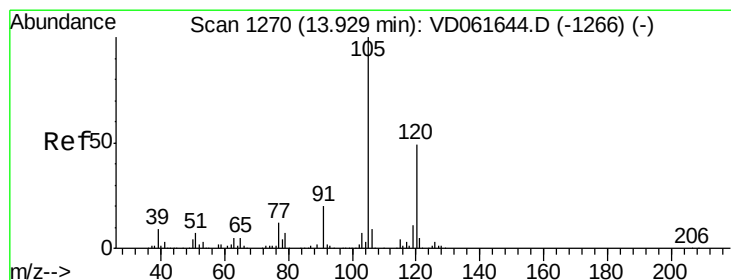
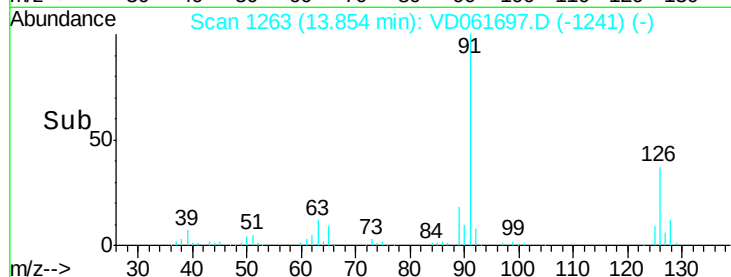
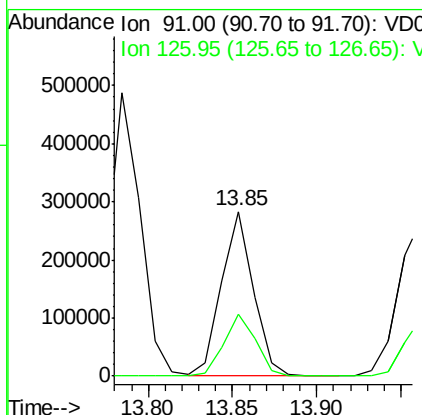
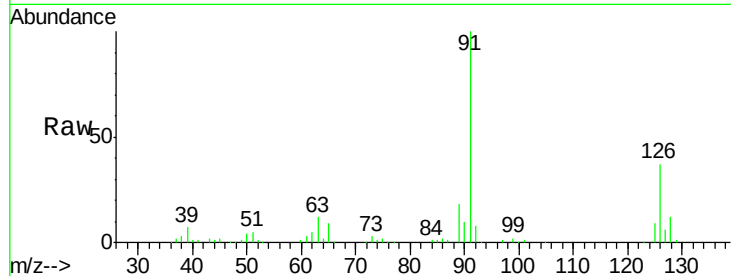




#79
 2-Chlorotoluene
 Concen: 22.812 ug/l
 RT: 13.85 min Scan# 1263
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

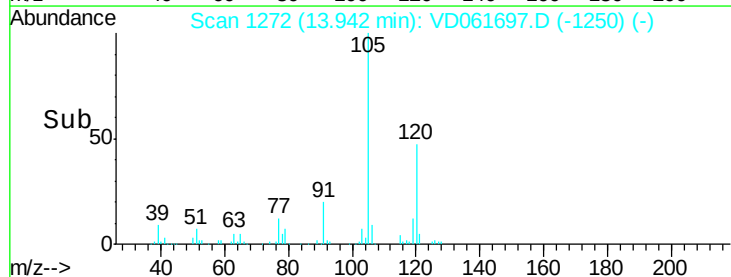
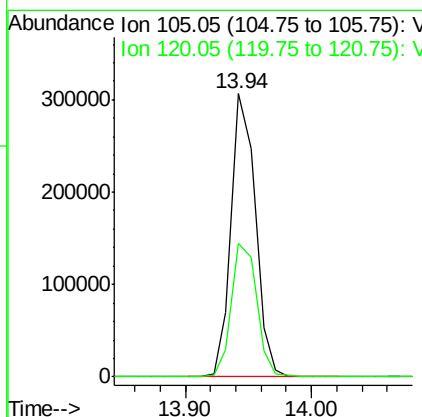
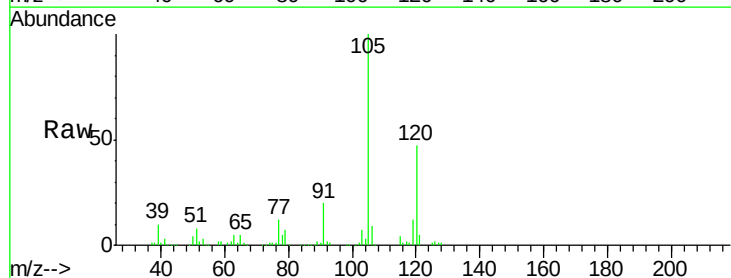
Instrument :
 MSVOA_D
 ClientSampleId :

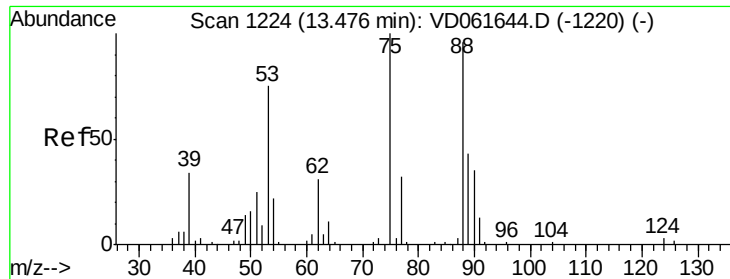
Tot Ion: 91 Resp: 371681
 Ion Ratio Lower Upper
 91 100
 126 37.5 20.0 59.9



#80
 1,3,5-Trimethylbenzene
 Concen: 21.587 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Tgt Ion: 105 Resp: 408092
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.716 ug/l

RT: 13.49 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

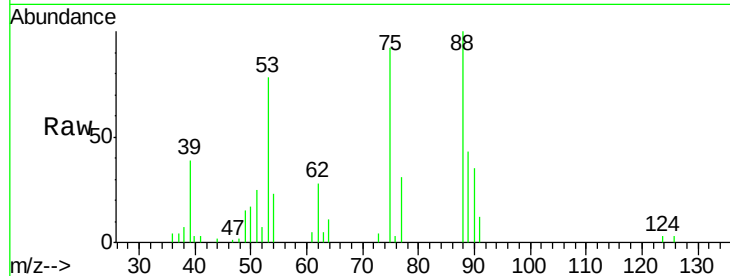
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 29097

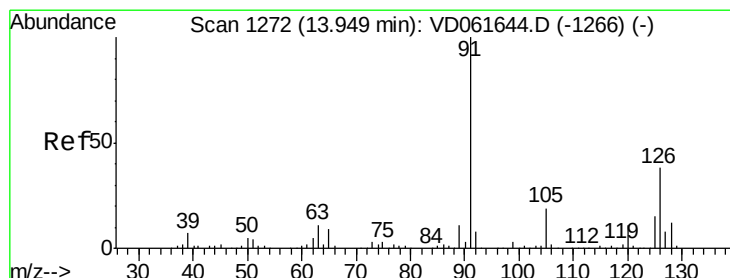
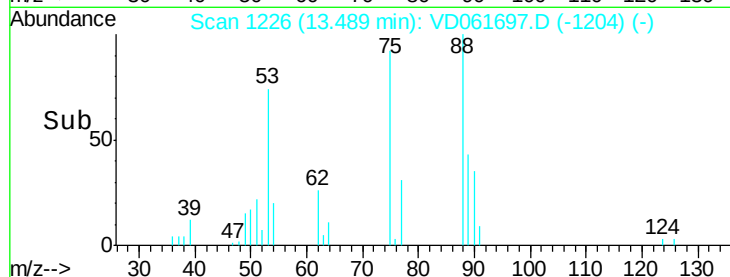
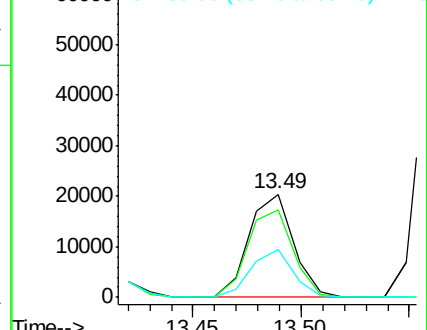
Ion	Ratio	Lower	Upper
75	100		
53	85.0	60.2	90.2
89	46.4	34.2	51.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.948 ug/l

RT: 13.96 min Scan# 1274

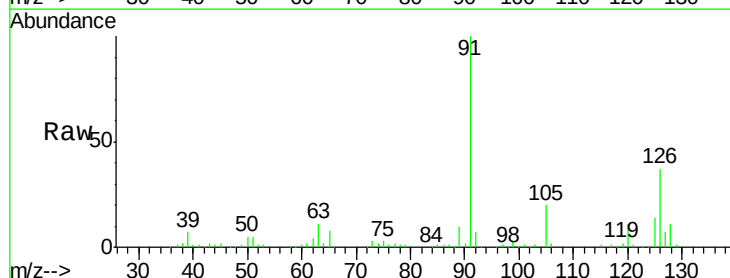
Delta R.T. 0.01 min

Lab File: VD061697.D

Acq: 10 Apr 2019 3:54

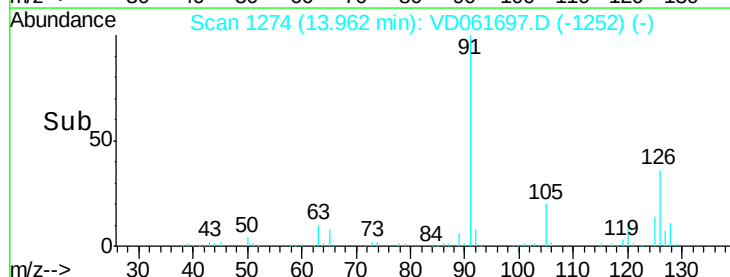
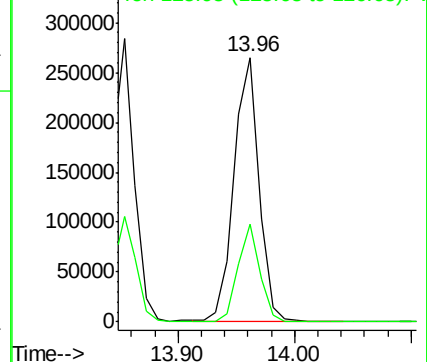
Tgt Ion: 91 Resp: 391848

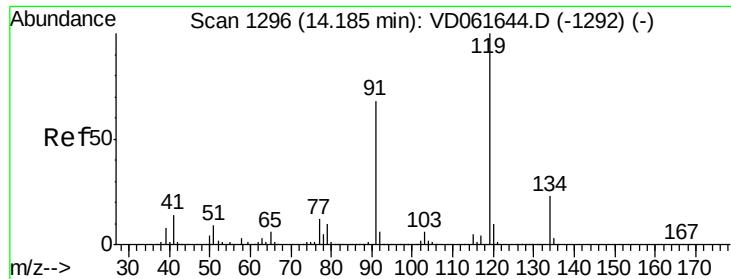
Ion	Ratio	Lower	Upper
91	100		
126	36.9	19.0	57.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

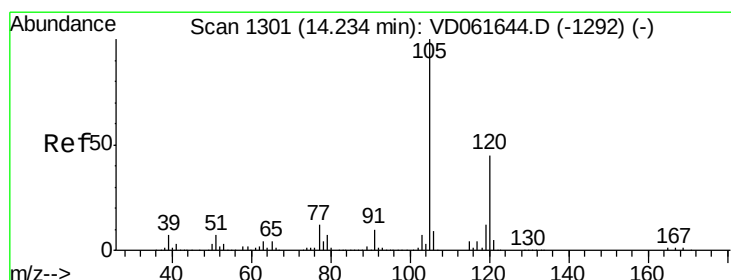
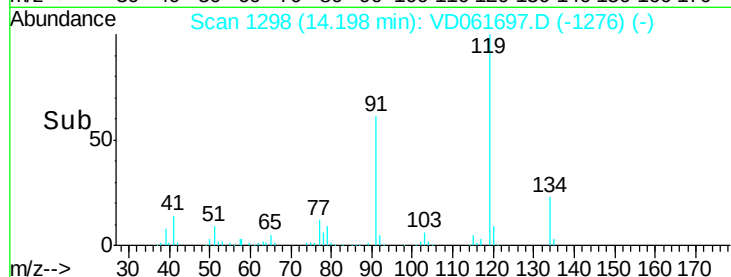
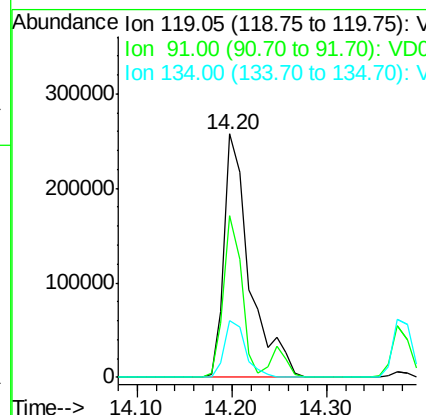
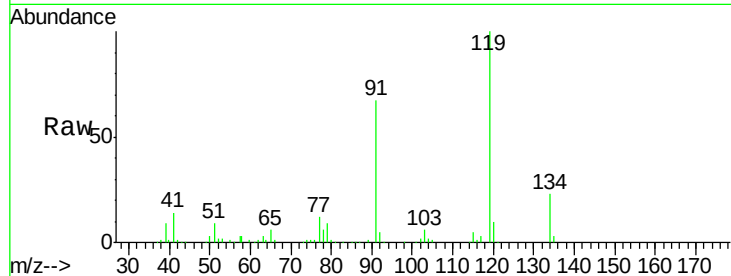




#83
 tert-Butylbenzene
 Concen: 21.250 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

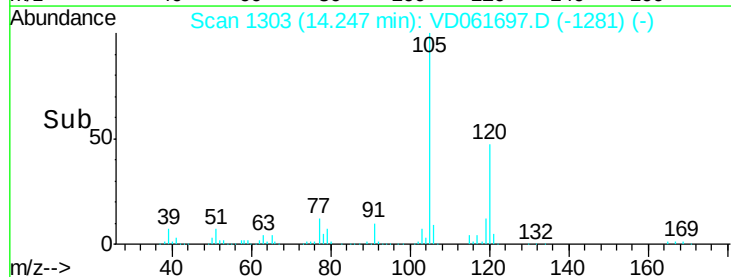
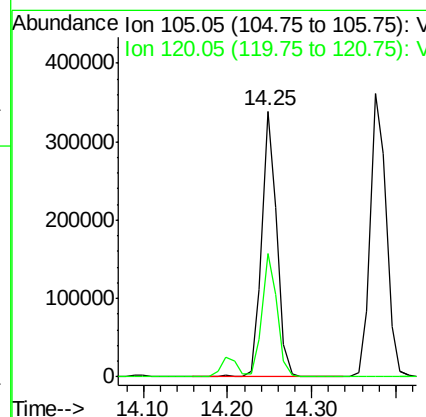
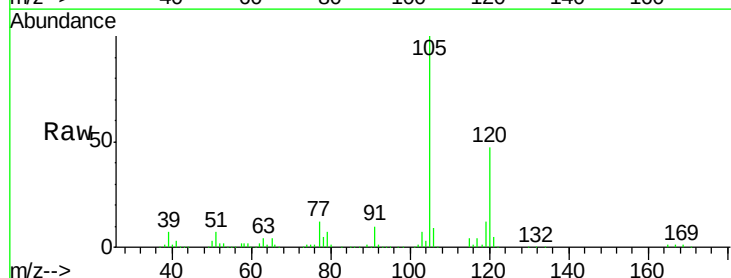
Instrument :
 MSVOA_D
 ClientSampleId :

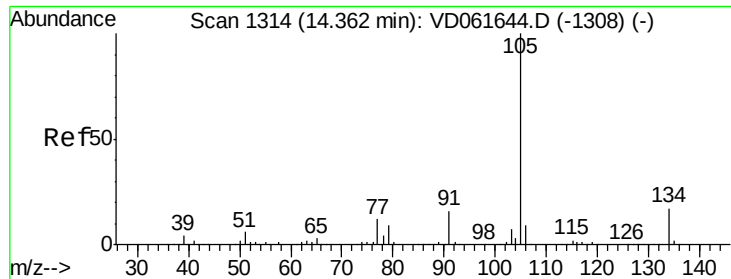
Tot Ion:119 Resp: 484372
 Ion Ratio Lower Upper
 119 100
 91 66.5 33.9 101.6
 134 23.2 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 22.487 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Tgt Ion:105 Resp: 429055
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.6 67.8

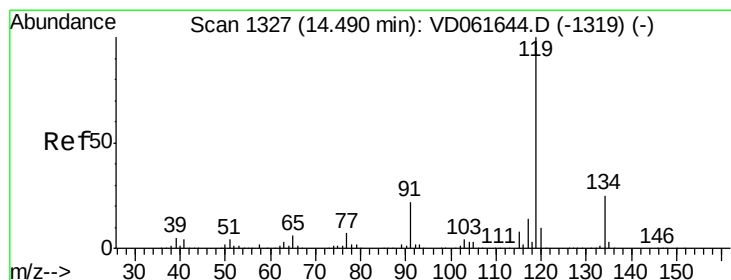
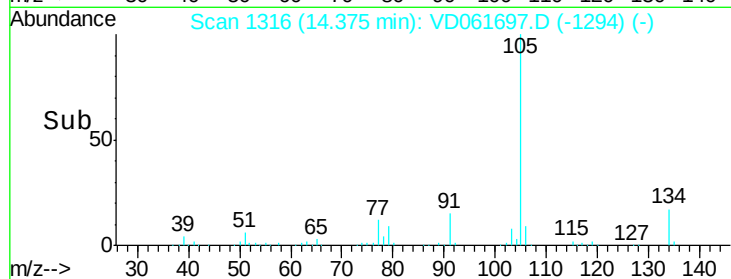
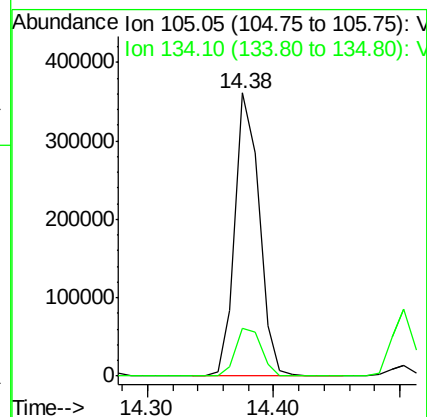
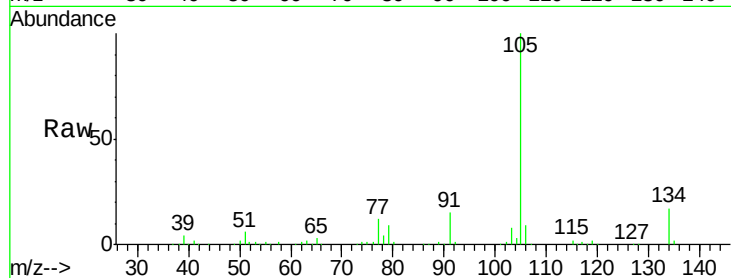




#85
 sec-Butylbenzene
 Concen: 19.463 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

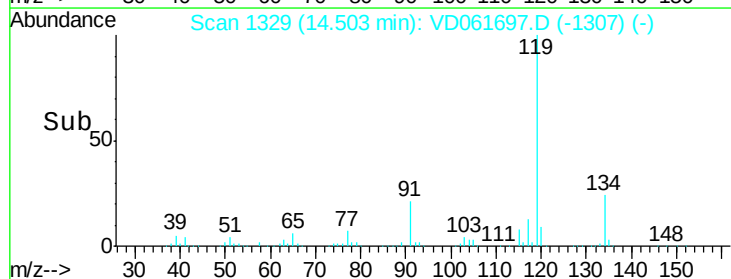
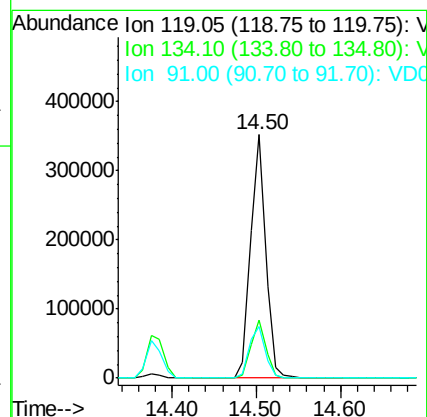
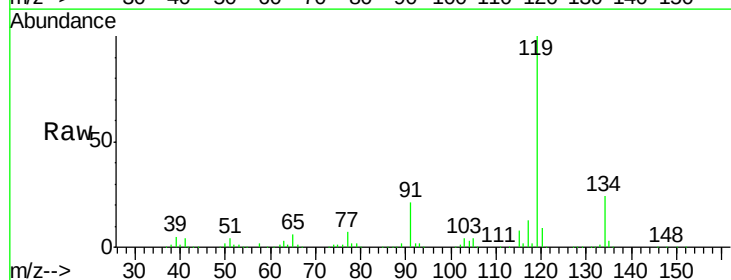
Instrument :
 MSVOA_D
 ClientSampleId :

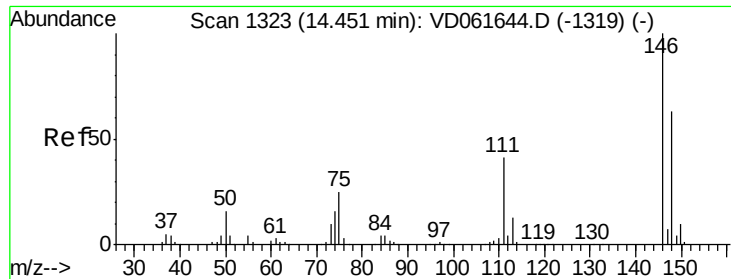
Tot Ion:105 Resp: 479312
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.6 25.7



#86
 p-Isopropyltoluene
 Concen: 20.633 ug/l
 RT: 14.50 min Scan# 1329
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Tgt Ion:119 Resp: 440802
 Ion Ratio Lower Upper
 119 100
 134 24.1 12.5 37.5
 91 21.3 11.0 33.0

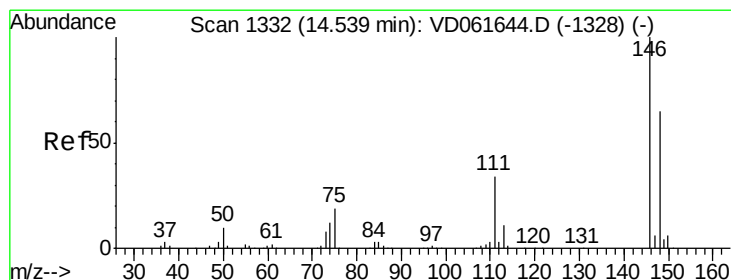
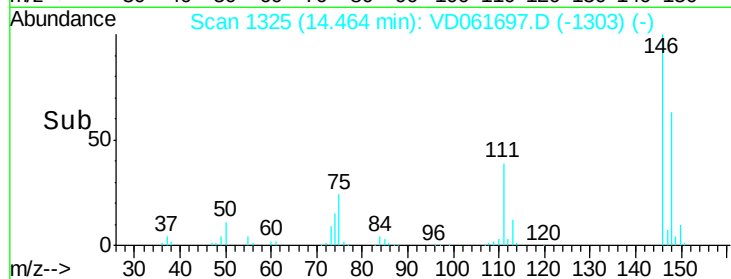
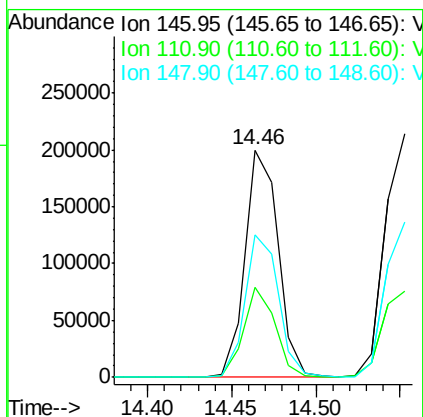
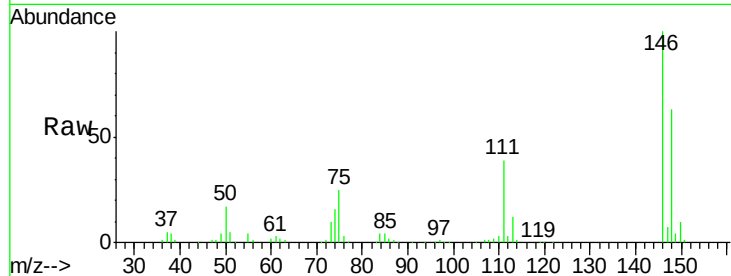




#87
 1,3-Dichlorobenzene
 Concen: 22.939 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

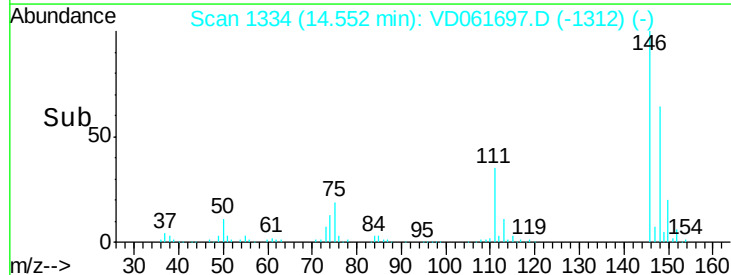
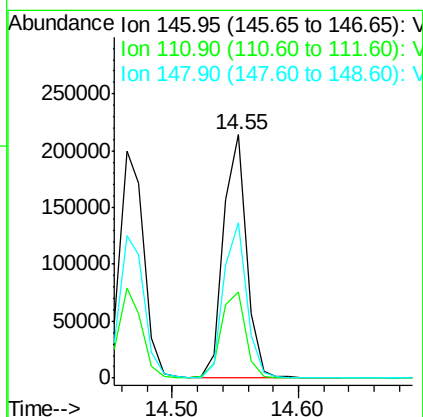
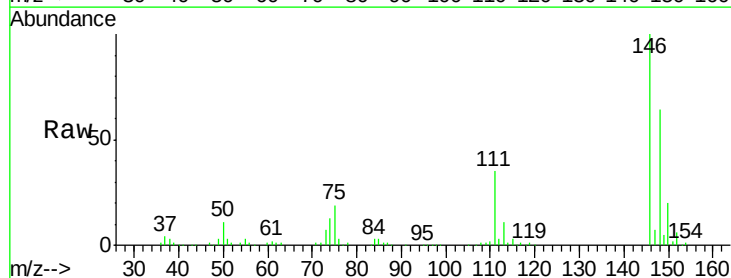
Instrument :
 MSVOA_D
 ClientSampleID :

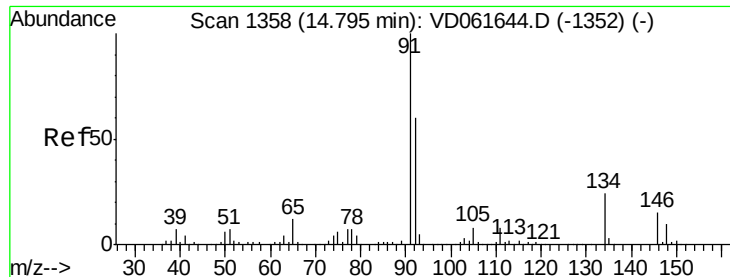
Tot Ion:146 Resp: 272940
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.3 61.0
 148 62.7 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 22.613 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Tgt Ion:146 Resp: 271481
 Ion Ratio Lower Upper
 146 100
 111 35.3 17.1 51.2
 148 63.6 32.6 97.7

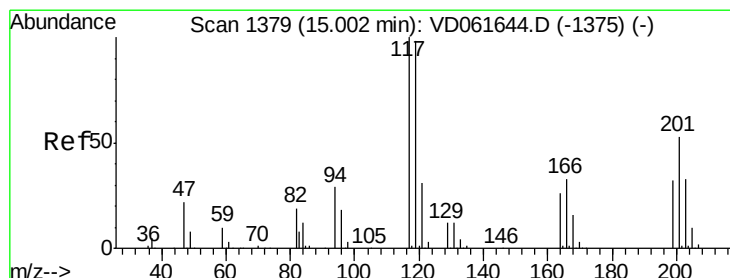
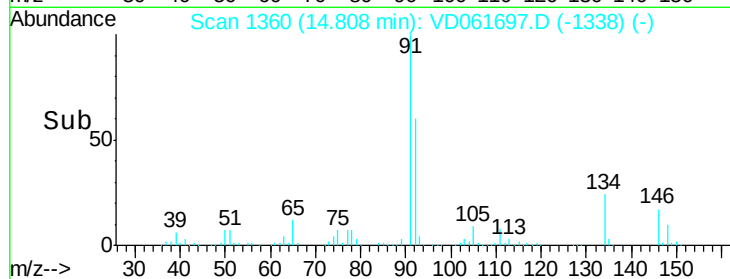
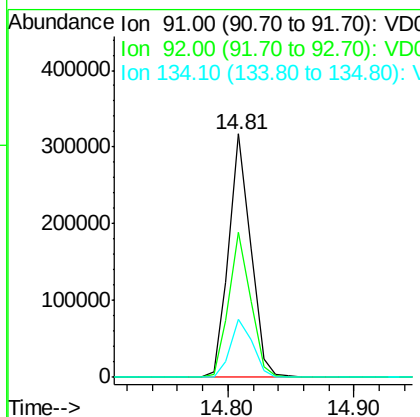
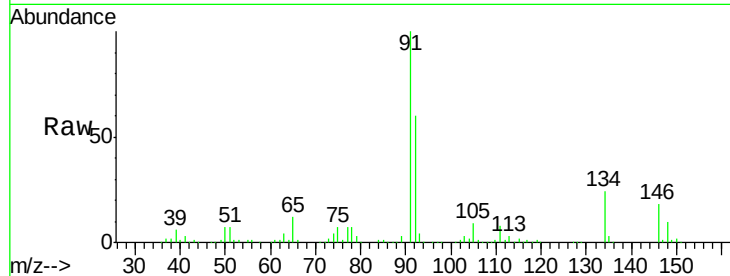




#89
n-Butylbenzene
Concen: 20.580 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

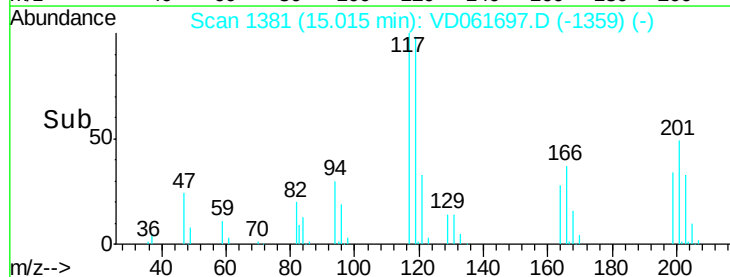
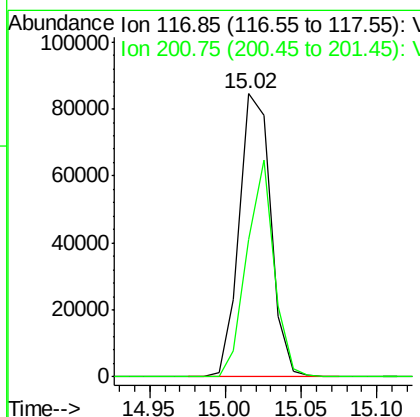
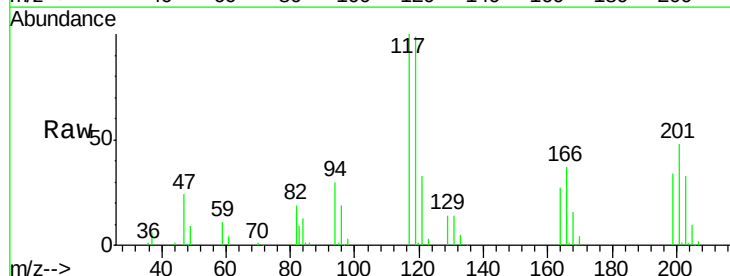
Instrument :
MSVOA_D
ClientSampled :

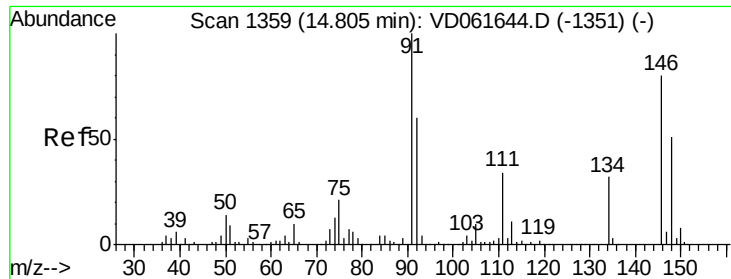
Tot Ion: 91 Resp: 382160
Ion Ratio Lower Upper
91 100
92 59.5 29.8 89.4
134 23.7 12.2 36.4



#90
Hexachloroethane
Concen: 21.146 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion: 117 Resp: 122580
Ion Ratio Lower Upper
117 100
201 48.4 26.3 78.8

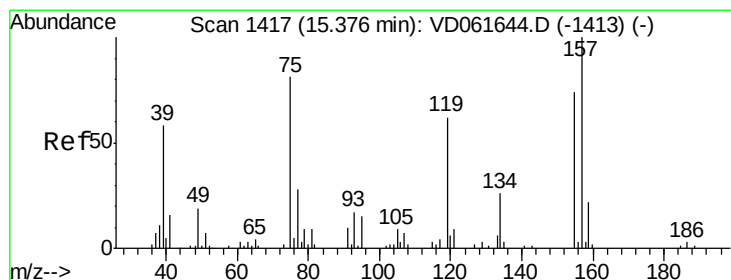
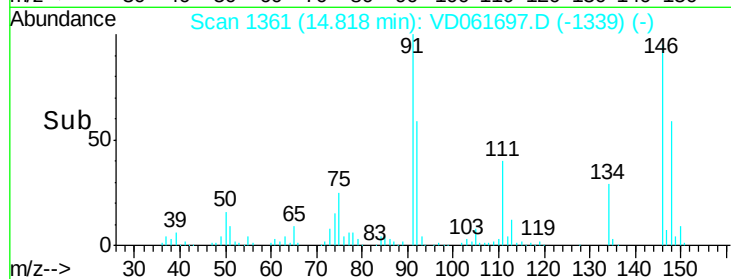
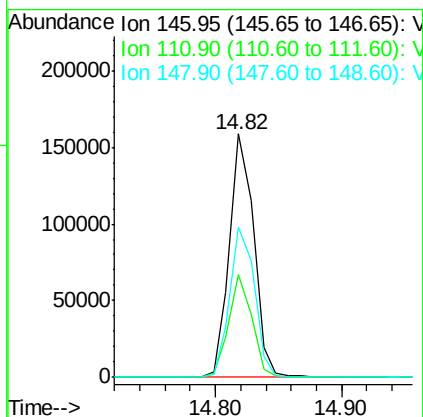
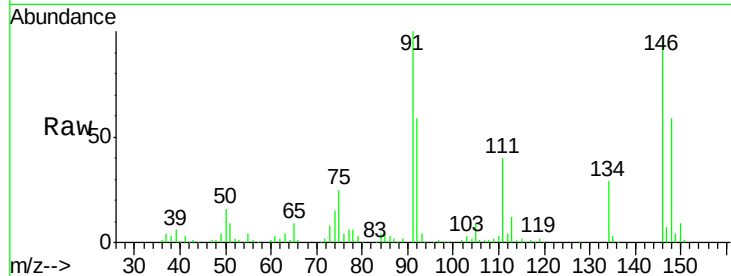




#91
 1,2-Dichlorobenzene
 Concen: 21.555 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

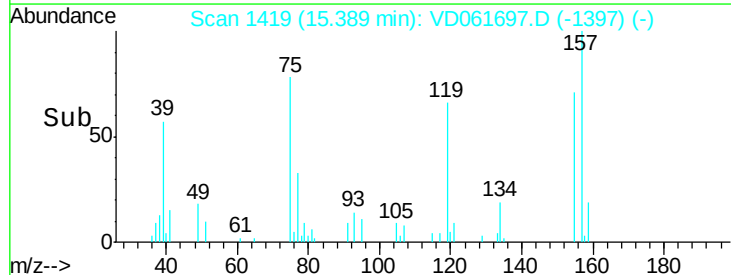
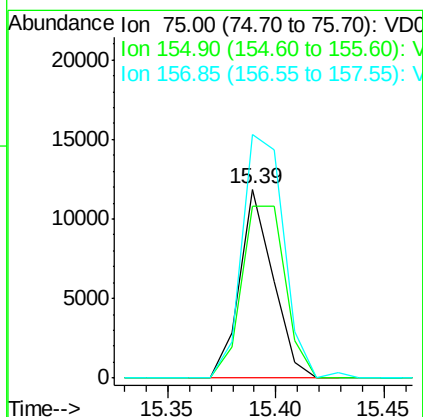
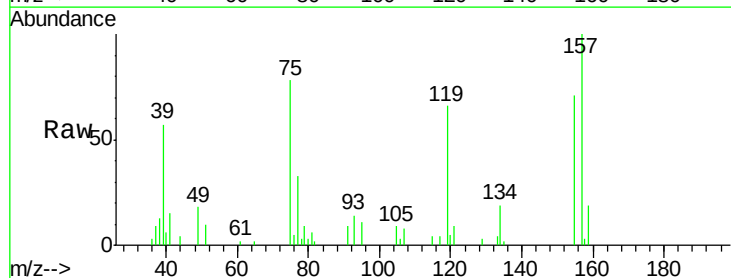
Instrument :
 MSVOA_D
 ClientSampleId :

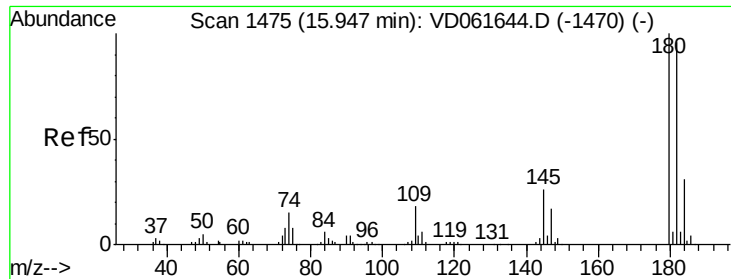
Tot Ion:146 Resp: 211370
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.1 63.3
 148 61.9 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.634 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Tgt Ion: 75 Resp: 12857
 Ion Ratio Lower Upper
 75 100
 155 91.0 45.6 136.7
 157 128.9 61.4 184.2

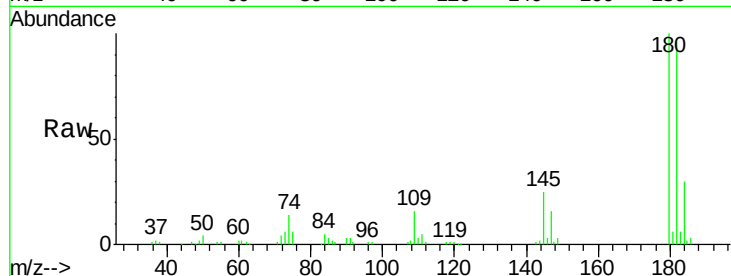




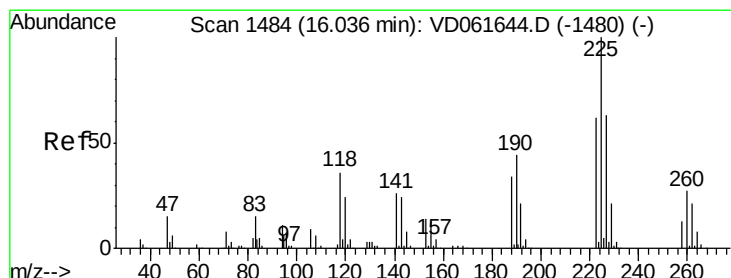
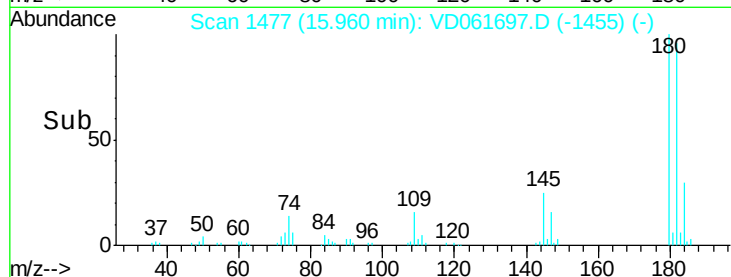
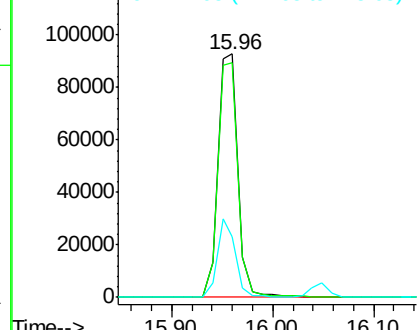
#93
 1,2,4-Trichlorobenzene
 Concen: 25.908 ug/l
 RT: 15.96 min Scan# 1477
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 129439
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.8 143.3
 145 24.9 13.3 39.8

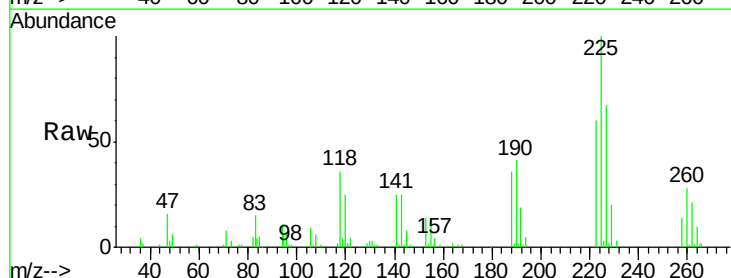


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

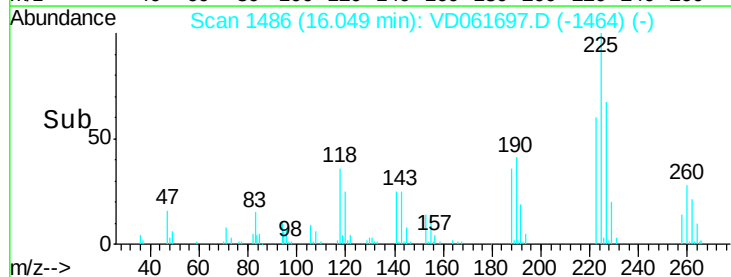
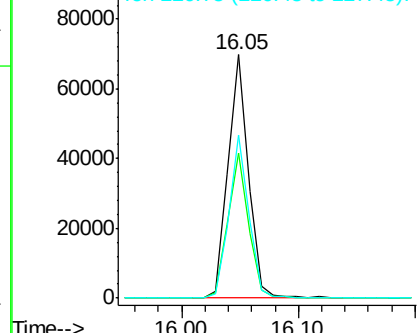


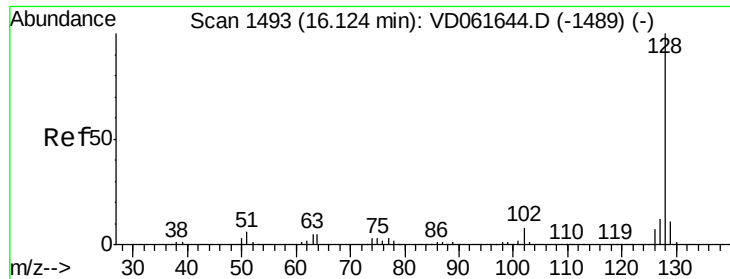
#94
 Hexachlorobutadiene
 Concen: 21.972 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VD061697.D
 Acq: 10 Apr 2019 3:54

Tgt Ion:225 Resp: 84761
 Ion Ratio Lower Upper
 225 100
 223 59.8 30.8 92.3
 227 67.2 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

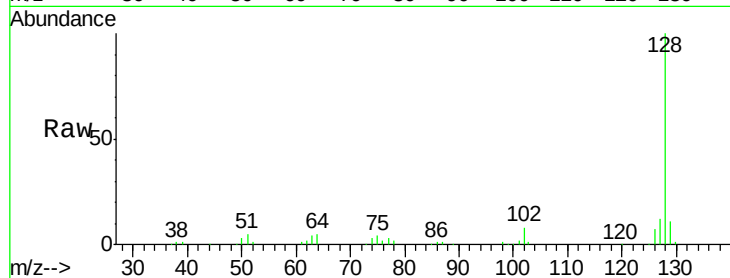




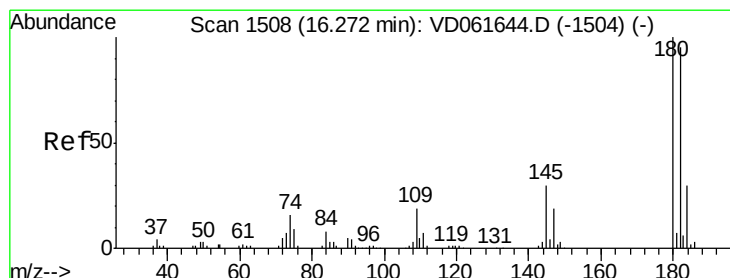
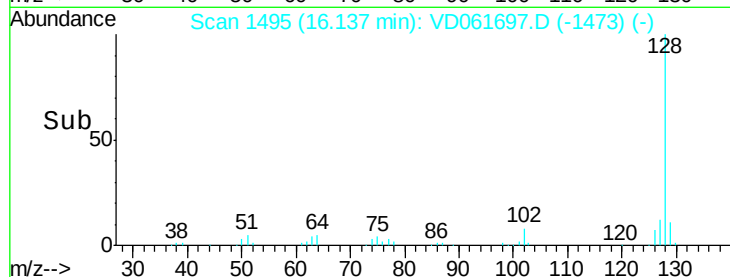
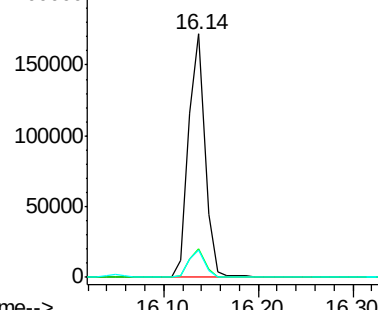
#95
Naphthalene
Concen: 26.532 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 209743
Ion Ratio Lower Upper
128 100
127 11.6 9.4 14.2
129 11.2 8.8 13.2

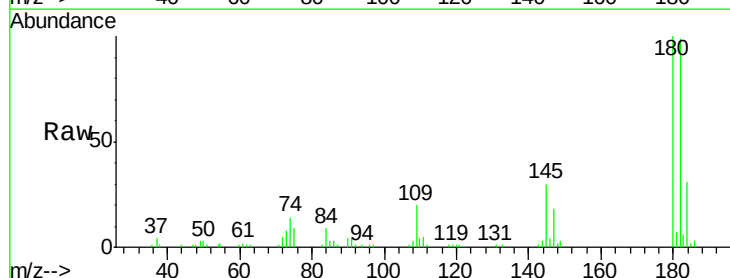


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 32.493 ug/l
RT: 16.29 min Scan# 1510
Delta R.T. 0.01 min
Lab File: VD061697.D
Acq: 10 Apr 2019 3:54

Tgt Ion:180 Resp: 81018
Ion Ratio Lower Upper
180 100
182 99.2 47.3 142.0
145 30.0 15.1 45.3



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

