

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041019\
 Data File : VD061710.D
 Acq On : 10 Apr 2019 13:54
 Operator : VA/AP
 Sample : VD0410SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 11 01:04:47 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	711314	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	1153698	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	953112	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	449370	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	224247	41.59	ug/l	0.02
Spiked Amount 50.000			Recovery	=	83.18%	
35) Dibromofluoromethane	6.95	113	334065	41.80	ug/l	0.03
Spiked Amount 50.000			Recovery	=	83.60%	
50) Toluene-d8	10.43	98	783193	39.00	ug/l	0.02
Spiked Amount 50.000			Recovery	=	78.00%	
62) 4-Bromofluorobenzene	13.57	95	317042	43.75	ug/l	0.01
Spiked Amount 50.000			Recovery	=	87.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	135196	17.618	ug/l	97
3) Chloromethane	1.76	50	120506	19.432	ug/l	98
4) Vinyl Chloride	1.86	62	117191	20.224	ug/l	97
5) Bromomethane	2.16	94	22402	16.703	ug/l	97
6) Chloroethane	2.27	64	34006	18.737	ug/l	95
7) Trichlorofluoromethane	2.54	101	188032	21.491	ug/l	98
8) Diethyl Ether	2.89	74	43901	17.879	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.17	101	168195	19.554	ug/l	94
10) Methyl Iodide	3.33	142	194096	17.680	ug/l	98
11) Tert butyl alcohol	4.09	59	34126	94.441	ug/l	97
12) 1,1-Dichloroethene	3.14	96	141776	19.119	ug/l	94
13) Acrolein	3.04	56	29832	67.714	ug/l	98
14) Allyl chloride	3.64	41	190901	18.875	ug/l	99
15) Acrylonitrile	4.22	53	117168	94.196	ug/l	97
16) Acetone	3.24	43	138561	85.969	ug/l	100
17) Carbon Disulfide	3.39	76	442185	18.352	ug/l	99
18) Methyl Acetate	3.66	43	58571	19.315	ug/l	94
19) Methyl tert-butyl Ether	4.26	73	253904	19.775	ug/l	100
20) Methylene Chloride	3.83	84	179145	19.587	ug/l	98
21) trans-1,2-Dichloroethene	4.24	96	161151	20.009	ug/l	93
22) Diisopropyl ether	5.14	45	434561	20.493	ug/l	99
23) Vinyl Acetate	5.08	43	1090723	93.221	ug/l	100
24) 1,1-Dichloroethane	5.01	63	253210	19.486	ug/l	100
25) 2-Butanone	6.10	43	176694	95.094	ug/l	98
26) 2,2-Dichloropropane	6.06	77	206690	19.535	ug/l	95
27) cis-1,2-Dichloroethene	6.06	96	166855	19.420	ug/l	95
28) Bromochloromethane	6.46	49	82095	17.127	ug/l	98
29) Tetrahydrofuran	6.48	42	83191	92.747	ug/l	99
30) Chloroform	6.69	83	274469	20.163	ug/l	98
31) Cyclohexane	6.98	56	194033	19.114	ug/l	97
32) 1,1,1-Trichloroethane	6.89	97	242078	20.293	ug/l	99
36) 1,1-Dichloropropene	7.17	75	213507	21.146	ug/l	98
37) Ethyl Acetate	6.20	43	80955	19.685	ug/l	97
38) Carbon Tetrachloride	7.14	117	239666	20.253	ug/l	99

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Quant Time: Apr 11 01:04:47 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)
39) Methylcyclohexane	8.88	83	207342	20.002	ug/l	95
40) Benzene	7.47	78	486570	19.975	ug/l	98
41) Methacrylonitrile	6.47	41	92821	19.334	ug/l	95
42) 1,2-Dichloroethane	7.59	62	152049	19.848	ug/l	99
43) Isopropyl Acetate	9.26	43	111881	18.745	ug/l #	98
44) Trichloroethene	8.56	130	179991	19.274	ug/l	100
45) 1,2-Dichloropropane	8.96	63	124599	20.626	ug/l	96
46) Dibromomethane	9.08	93	89247	20.672	ug/l	97
47) Bromodichloromethane	9.39	83	200026	21.095	ug/l	99
48) Methyl methacrylate	9.14	41	66656	19.374	ug/l	100
49) 1,4-Dioxane	9.10	88	14634	385.346	ug/l #	84
51) 4-Methyl-2-Pentanone	10.32	43	359110	101.736	ug/l	96
52) Toluene	10.53	92	304453	20.016	ug/l	100
53) t-1,3-Dichloropropene	10.93	75	178823	21.514	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	215265	21.009	ug/l	93
55) 1,1,2-Trichloroethane	11.21	97	100555	19.601	ug/l	96
56) Ethyl methacrylate	11.06	69	115573	21.355	ug/l	98
57) 1,3-Dichloropropane	11.42	76	151897	20.218	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.88	63	263430	103.161	ug/l	100
59) 2-Hexanone	11.55	43	266471	97.272	ug/l	99
60) Dibromochloromethane	11.70	129	165123	20.373	ug/l	95
61) 1,2-Dibromoethane	11.82	107	118695	19.784	ug/l	94
64) Tetrachloroethene	11.27	164	142637	19.279	ug/l	96
65) Chlorobenzene	12.42	112	365918	19.359	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	143168	19.684	ug/l	95
67) Ethyl Benzene	12.53	91	580721	20.176	ug/l	98
68) m/p-Xylenes	12.68	106	485185	43.724	ug/l	98
69) o-Xylene	13.06	106	204888	19.128	ug/l	96
70) Styrene	13.09	104	367461	20.088	ug/l	99
71) Bromoform	13.24	173	91362	20.245	ug/l	99
73) Isopropylbenzene	13.41	105	591575	19.757	ug/l	99
74) N-amyl acetate	13.27	43	156275	19.209	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	108539	17.532	ug/l	94
76) 1,2,3-Trichloropropane	13.75	75	114105	18.664	ug/l	96
77) Bromobenzene	13.68	156	161586	18.592	ug/l	95
78) n-propylbenzene	13.78	91	723547	20.201	ug/l	98
79) 2-Chlorotoluene	13.85	91	405934	19.819	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	470576	19.801	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	34736	18.723	ug/l	94
82) 4-Chlorotoluene	13.96	91	465148	20.725	ug/l	98
83) tert-Butylbenzene	14.20	119	524667	18.310	ug/l	98
84) 1,2,4-Trimethylbenzene	14.25	105	457718	19.083	ug/l	98
85) sec-Butylbenzene	14.38	105	644882	20.831	ug/l	100
86) p-Isopropyltoluene	14.50	119	553629	20.614	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	299259	20.008	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	306601	20.316	ug/l	99
89) n-Butylbenzene	14.81	91	486292	20.832	ug/l	99
90) Hexachloroethane	15.02	117	145271	19.935	ug/l	91
91) 1,2-Dichlorobenzene	14.82	146	245408	19.907	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.39	75	13971	18.700	ug/l	95

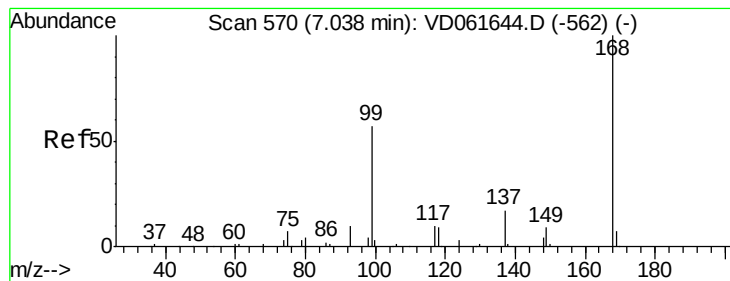
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041019\
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Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	133730	21.293	ug/l	98
94) Hexachlorobutadiene	16.05	225	93758	19.333	ug/l	98
95) Naphthalene	16.14	128	194801	19.602	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	61377	19.581	ug/l	97

(#) = 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: VD061710.D

Acq: 10 Apr 2019 13:54

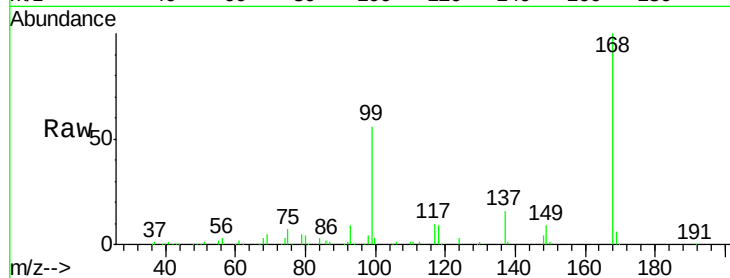
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 711314

Ion Ratio Lower Upper

168 100

99 55.7 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

250000

200000

150000

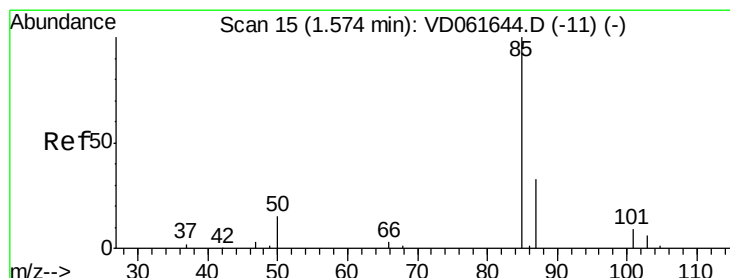
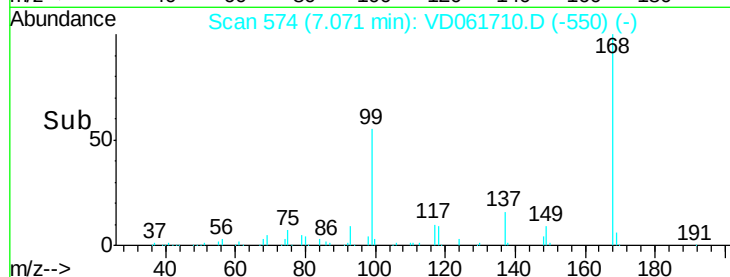
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 17.618 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.01 min

Lab File: VD061710.D

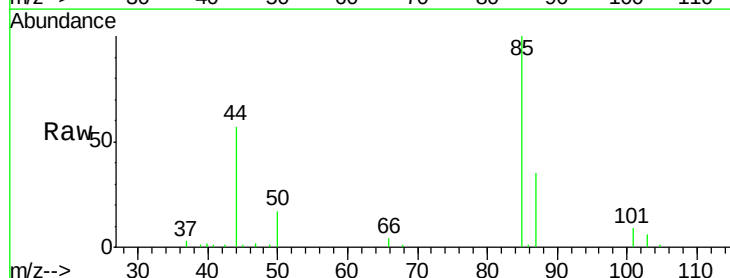
Acq: 10 Apr 2019 13:54

Tgt Ion: 85 Resp: 135196

Ion Ratio Lower Upper

85 100

87 35.1 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

60000

50000

40000

30000

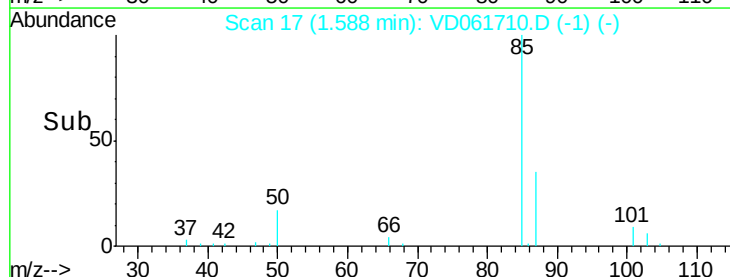
20000

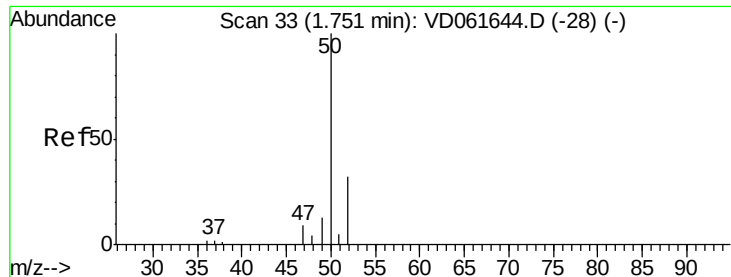
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 19.432 ug/l

RT: 1.76 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

Instrument :

MSVOA_D

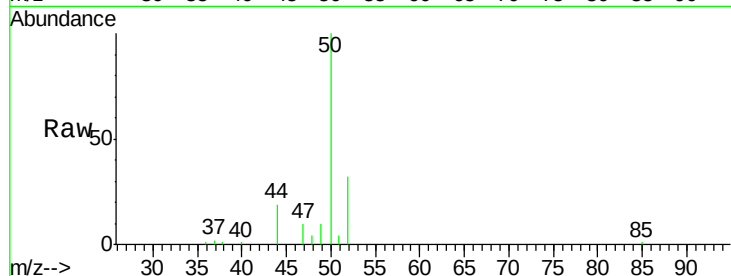
ClientSampleId :

Tot Ion: 50 Resp: 120506

Ion Ratio Lower Upper

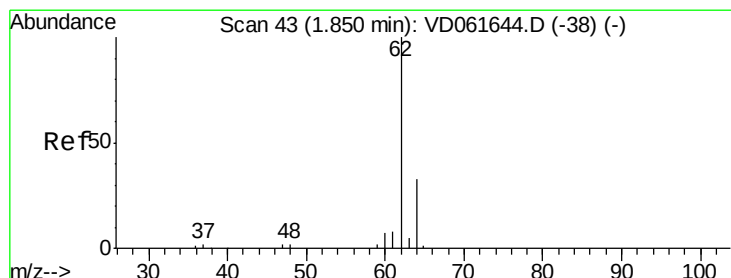
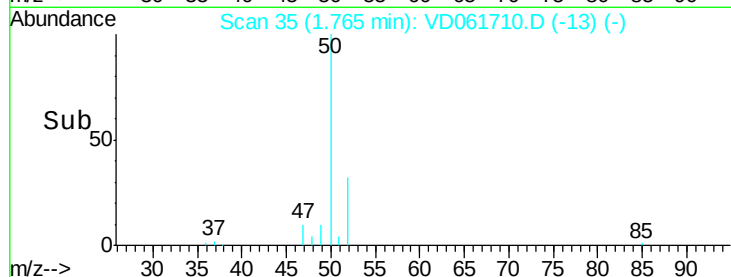
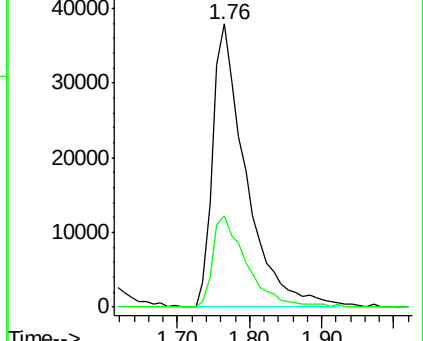
50 100

52 32.5 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.224 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.01 min

Lab File: VD061710.D

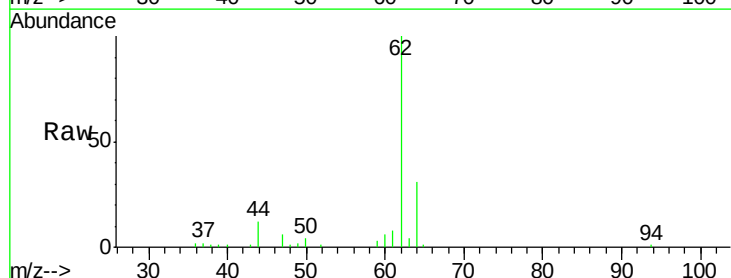
Acq: 10 Apr 2019 13:54

Tgt Ion: 62 Resp: 117191

Ion Ratio Lower Upper

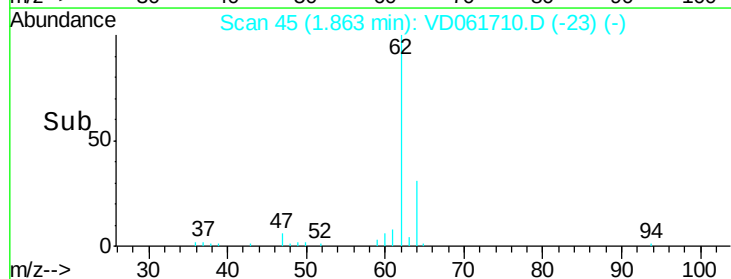
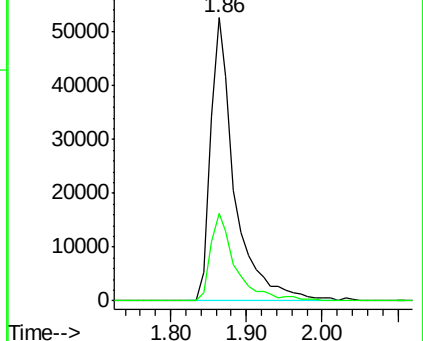
62 100

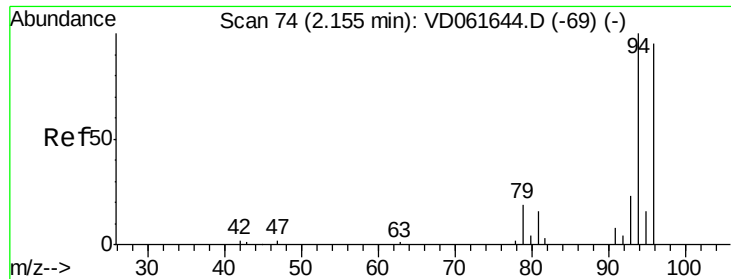
64 31.1 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.703 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

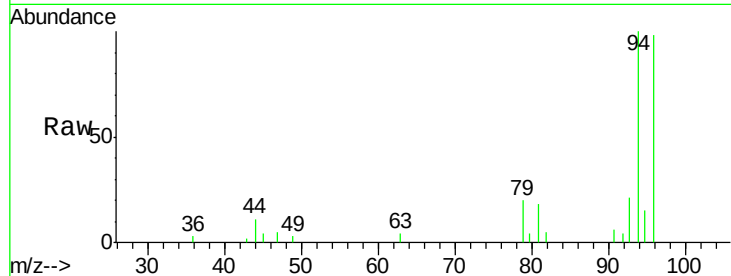
Tot Ion: 94 Resp: 22402

Ion Ratio Lower Upper

94 100

96 97.8 75.8 113.8

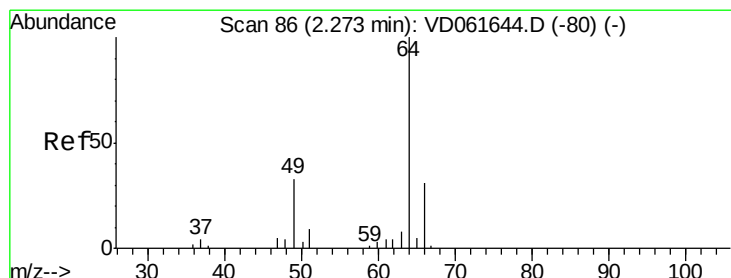
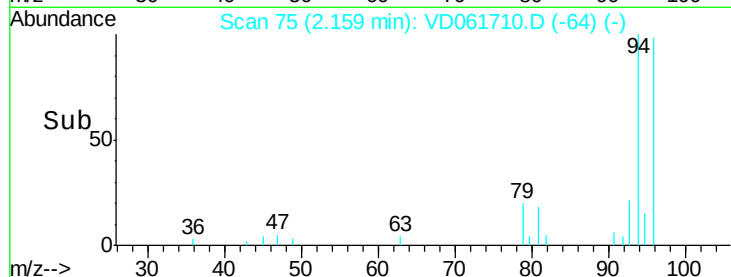
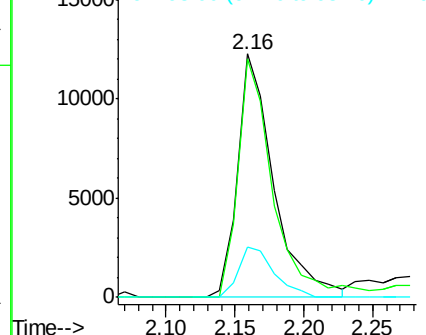
93 20.8 18.6 28.0



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: 18.737 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.01 min

Lab File: VD061710.D

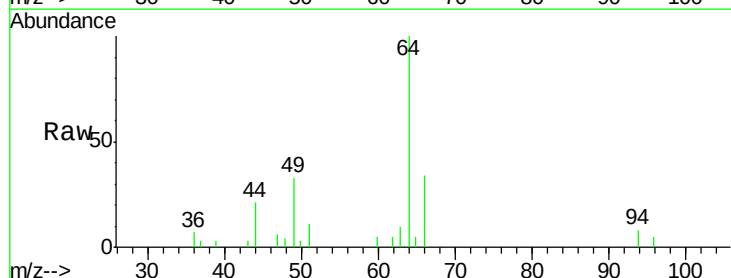
Acq: 10 Apr 2019 13:54

Tgt Ion: 64 Resp: 34006

Ion Ratio Lower Upper

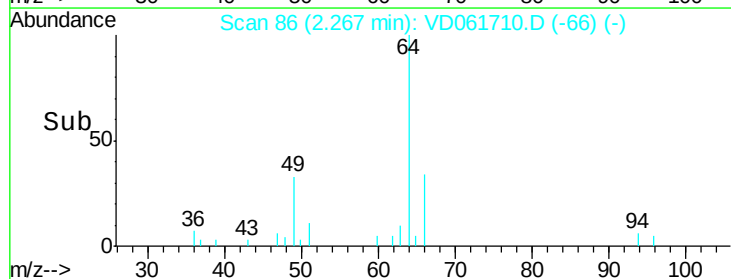
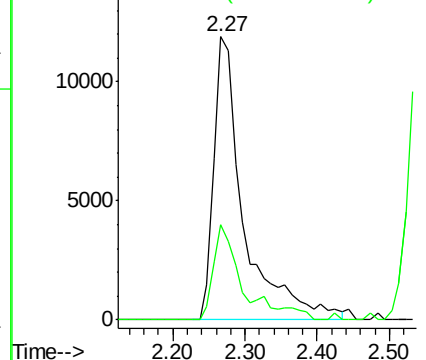
64 100

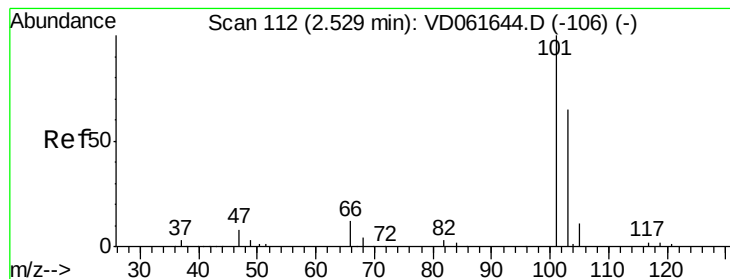
66 33.8 24.9 37.3



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



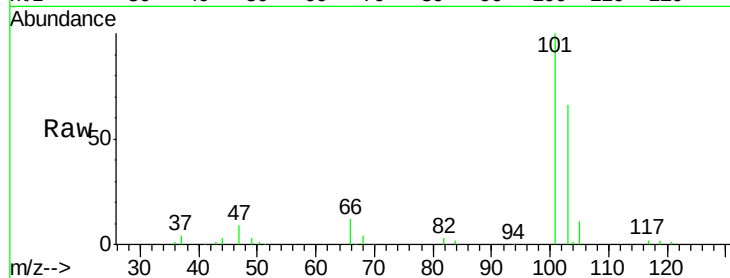


#7

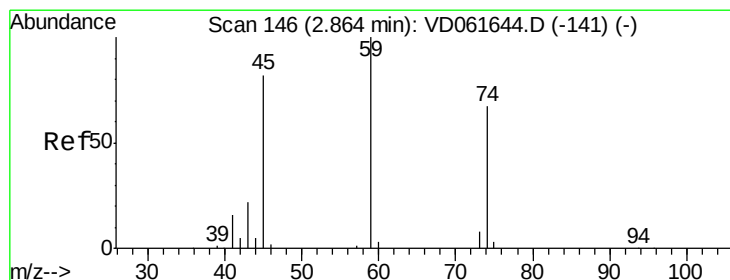
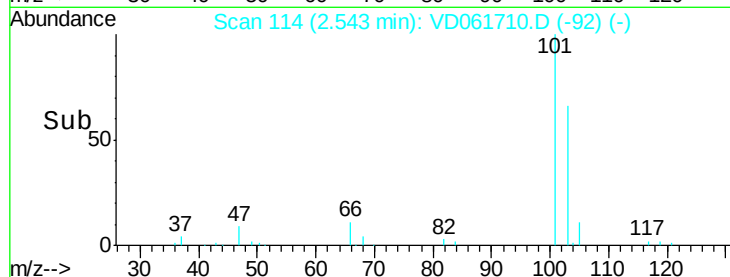
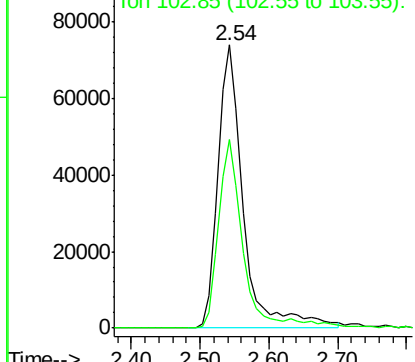
Trichlorofluoromethane
Concen: 21.491 ug/l
RT: 2.54 min Scan# 114
Delta R.T. 0.01 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 188032
Ion Ratio Lower Upper
101 100
103 66.5 52.0 78.0



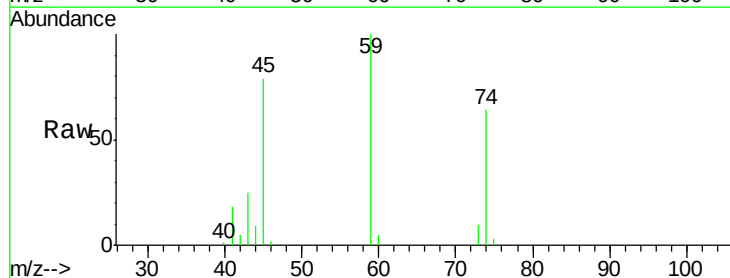
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



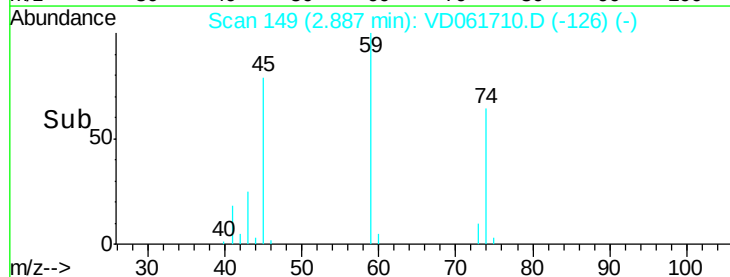
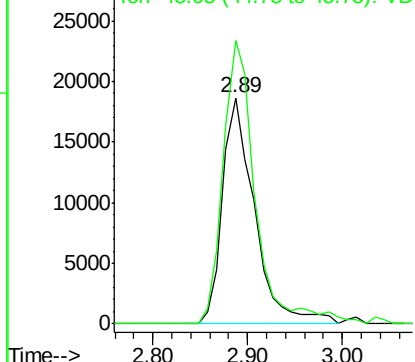
#8

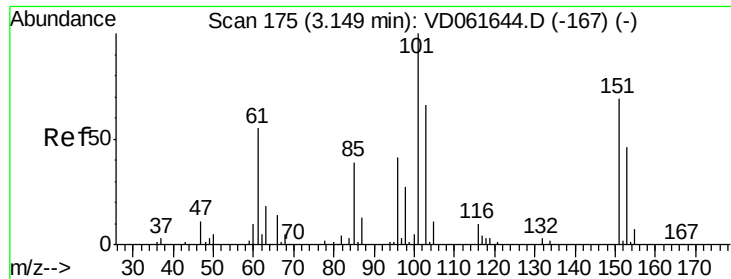
Diethyl Ether
Concen: 17.879 ug/l
RT: 2.89 min Scan# 149
Delta R.T. 0.02 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

Tgt Ion: 74 Resp: 43901
Ion Ratio Lower Upper
74 100
45 125.1 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: 19.554 ug/l

RT: 3.17 min Scan# 178

Delta R.T. 0.02 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

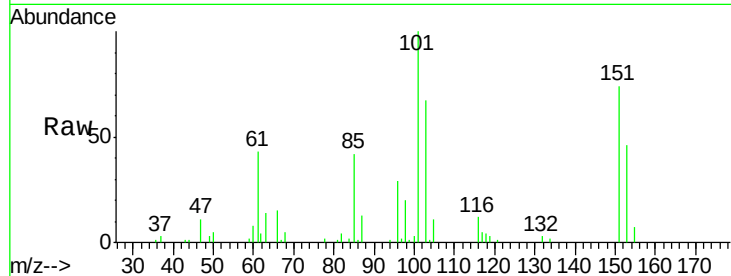
Tot Ion:101 Resp: 168195

Ion Ratio Lower Upper

101 100

85 42.2 31.0 46.6

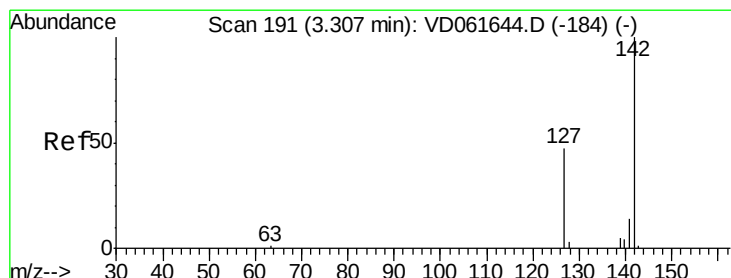
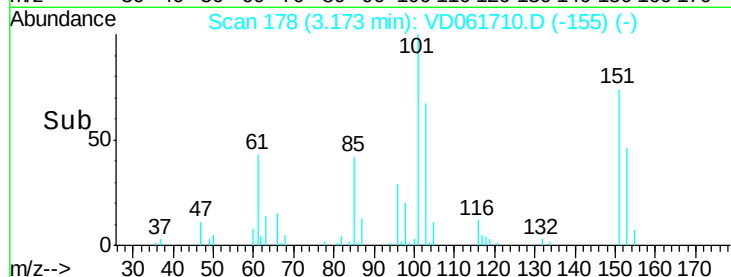
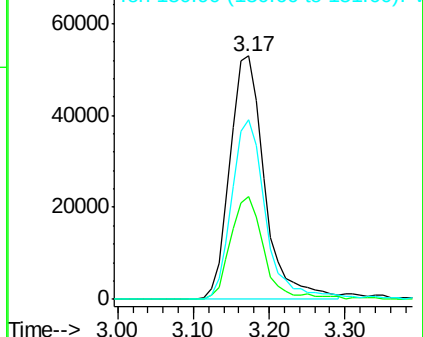
151 73.6 55.3 82.9



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: 17.680 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.02 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

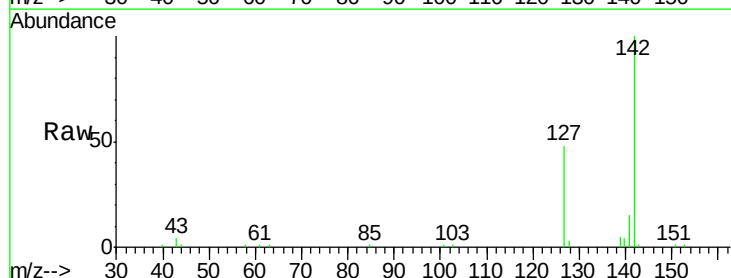
Tgt Ion:142 Resp: 194096

Ion Ratio Lower Upper

142 100

127 48.0 37.2 55.8

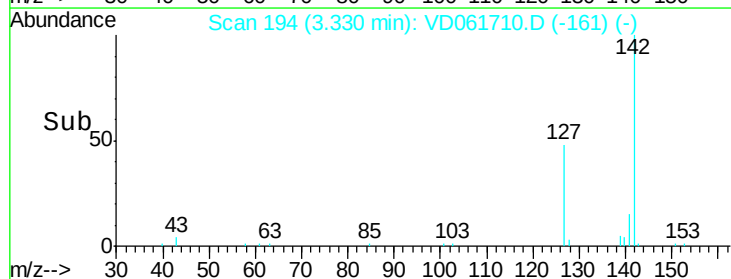
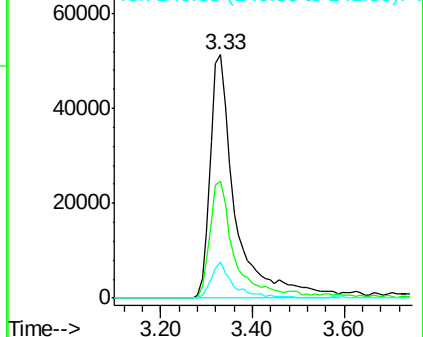
141 14.8 10.8 16.2

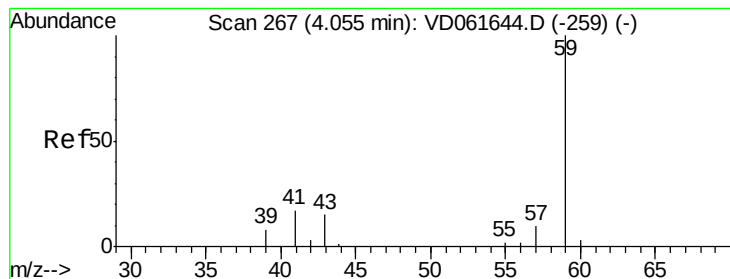


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



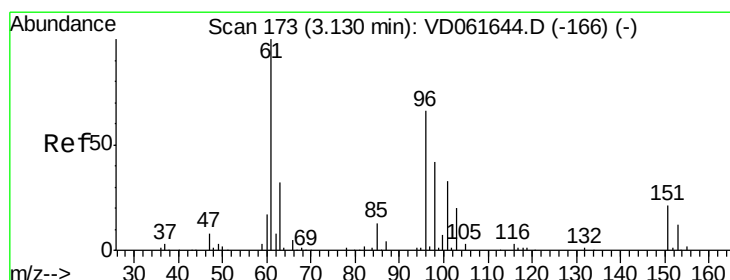
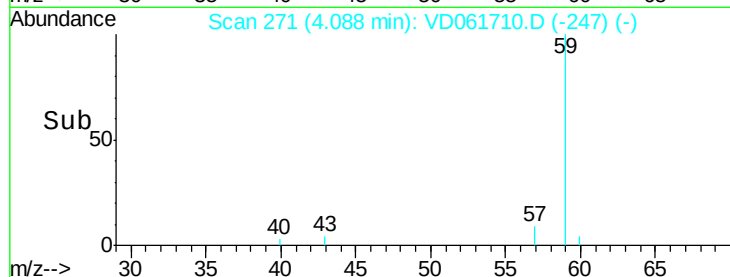
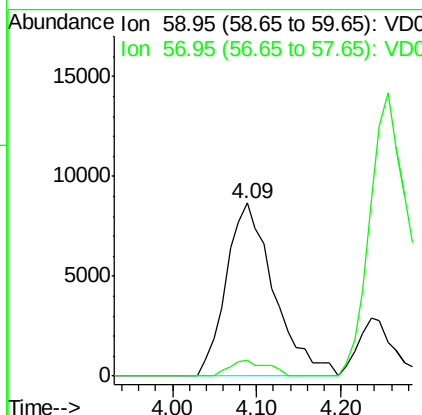
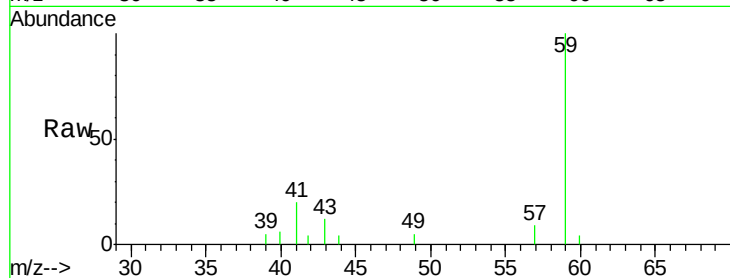


#11

Tert butyl alcohol
 Concen: 94.441 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. 0.03 min
 Lab File: VD061710.D
 Acq: 10 Apr 2019 13:54

Instrument :
 MSVOA_D
 ClientSampleId :

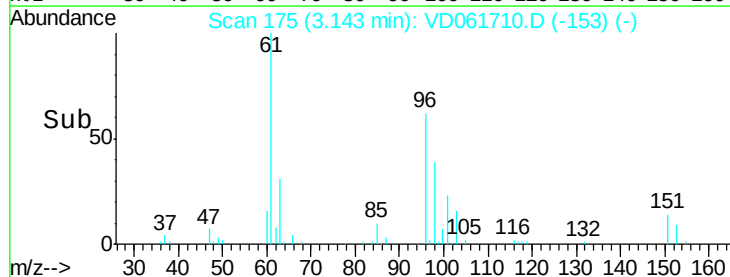
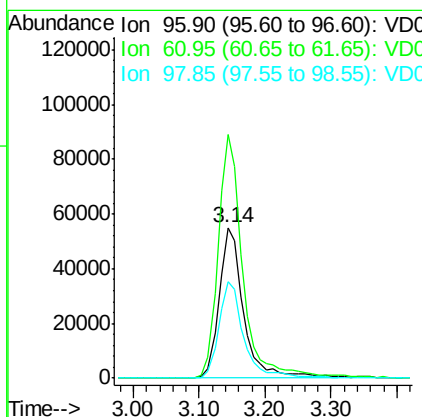
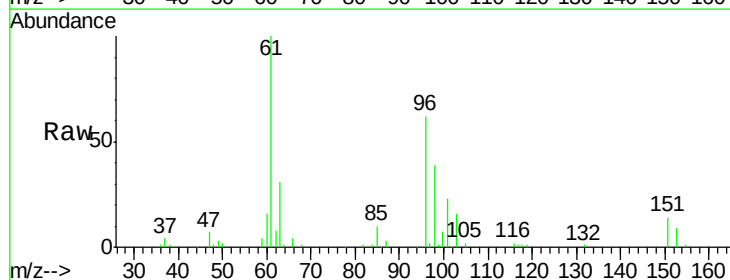
Tot Ion: 59 Resp: 34126
 Ion Ratio Lower Upper
 59 100
 57 9.3 8.4 12.6

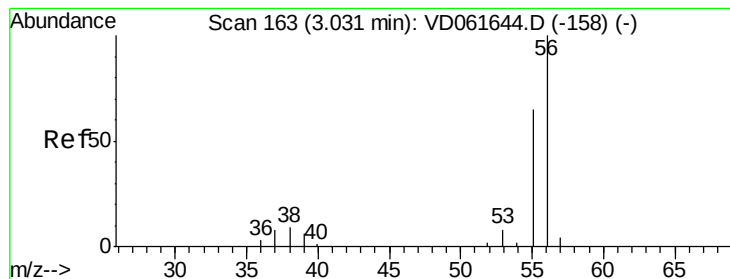


#12

1,1-Dichloroethene
 Concen: 19.119 ug/l
 RT: 3.14 min Scan# 175
 Delta R.T. 0.01 min
 Lab File: VD061710.D
 Acq: 10 Apr 2019 13:54

Tgt Ion: 96 Resp: 141776
 Ion Ratio Lower Upper
 96 100
 61 162.1 121.3 181.9
 98 64.0 50.6 76.0





#13

Acrolein

Concen: 67.714 ug/l

RT: 3.04 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

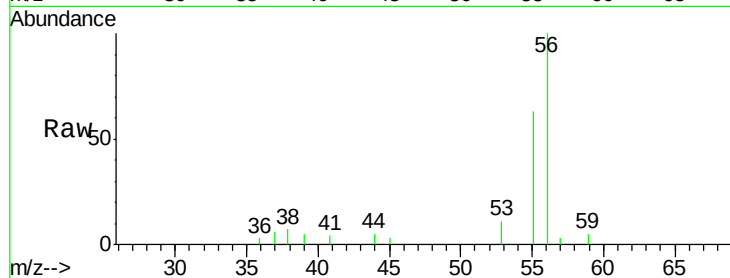
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 29832

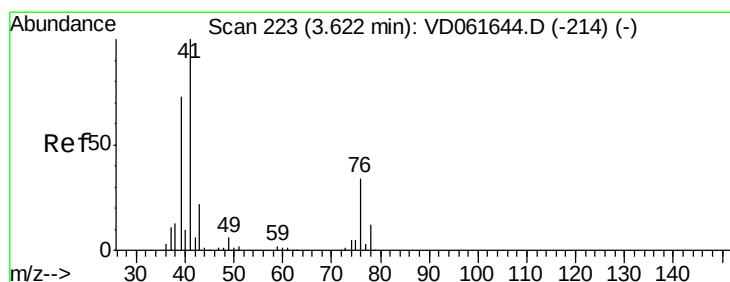
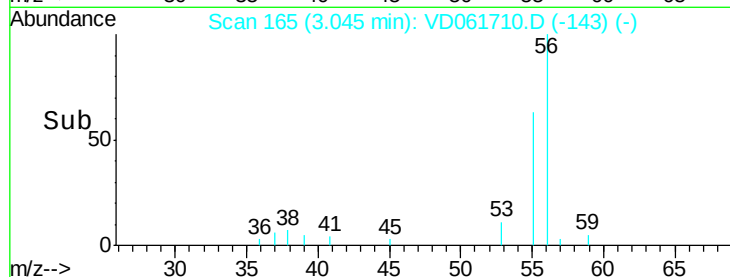
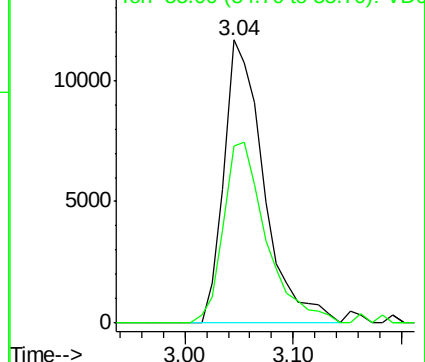
Ion Ratio Lower Upper

56 100

55 62.8 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: 18.875 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

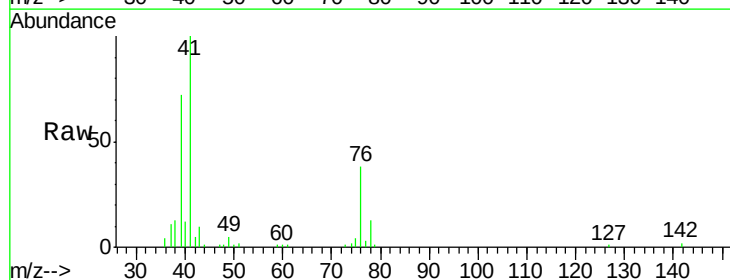
Tgt Ion: 41 Resp: 190901

Ion Ratio Lower Upper

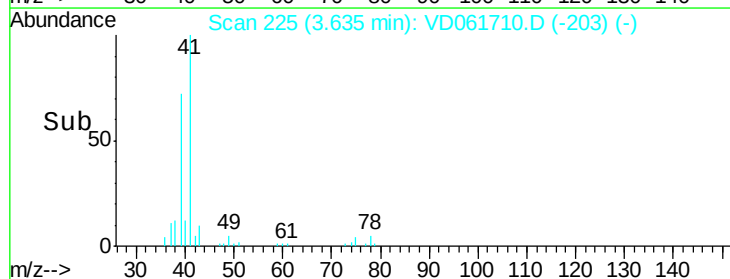
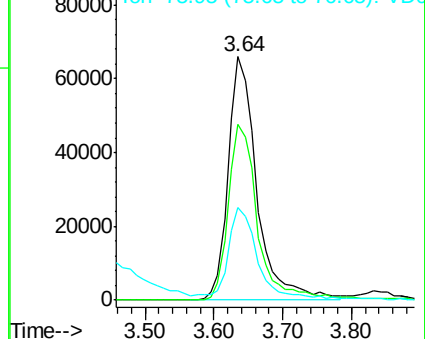
41 100

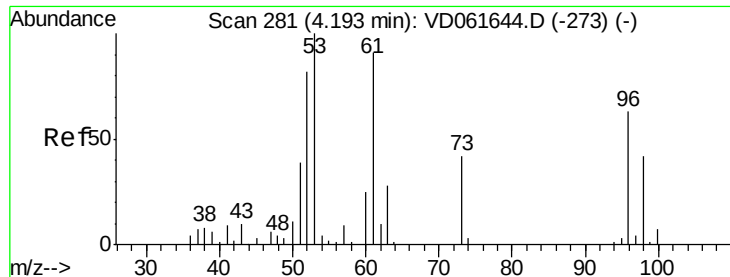
39 72.3 58.2 87.4

76 38.3 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: 94.196 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

Instrument :
MSVOA_D
ClientSampled :

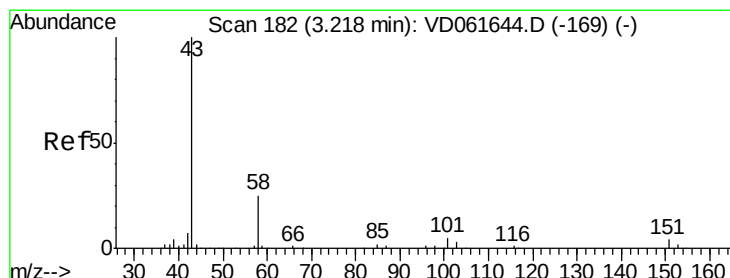
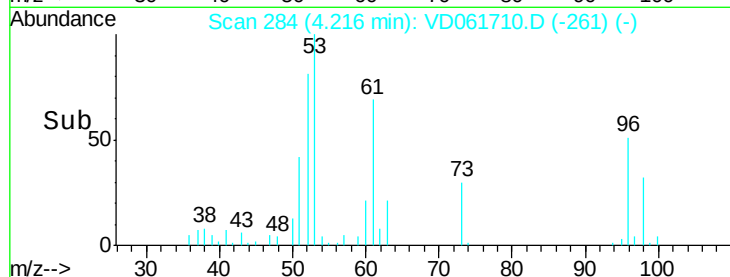
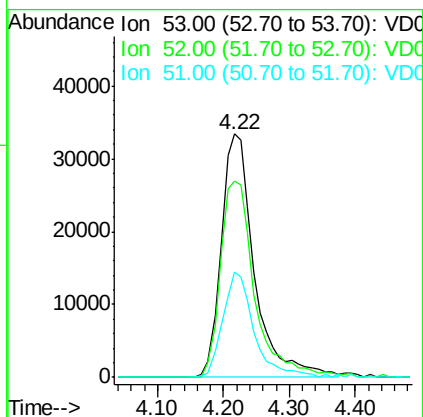
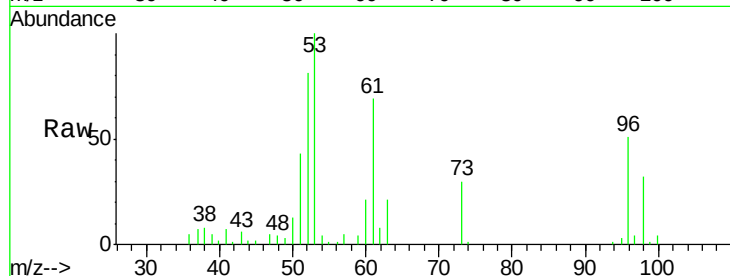
Tot Ion: 53 Resp: 117168

Ion Ratio Lower Upper

53 100

52 80.8 65.9 98.9

51 43.1 31.4 47.2



#16

Acetone

Concen: 85.969 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD061710.D

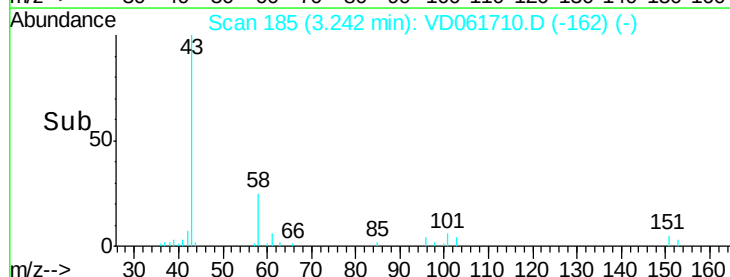
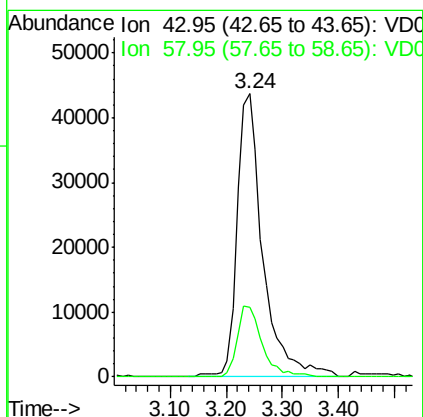
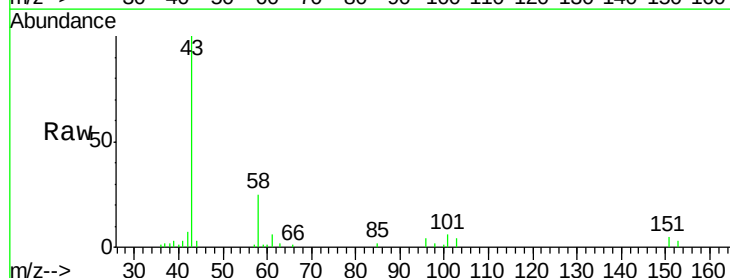
Acq: 10 Apr 2019 13:54

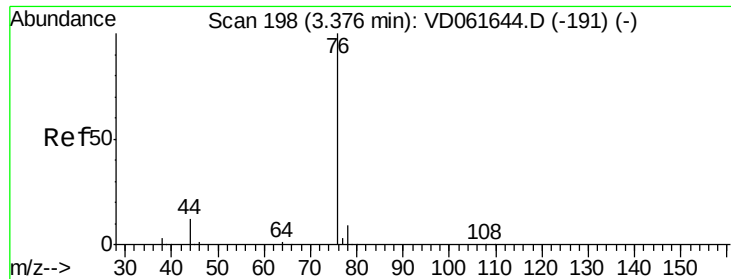
Tgt Ion: 43 Resp: 138561

Ion Ratio Lower Upper

43 100

58 24.7 19.7 29.5





#17

Carbon Disulfide

Concen: 18.352 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.01 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

Instrument :

MSVOA_D

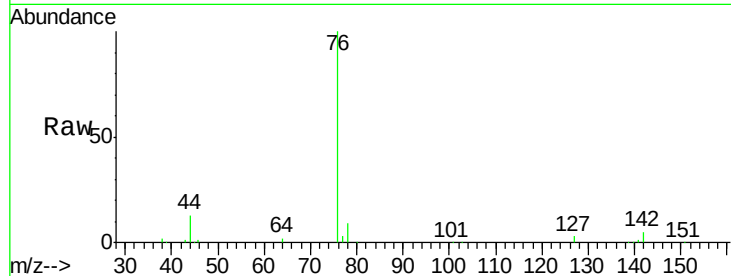
ClientSampleId :

Tot Ion: 76 Resp: 442185

Ion Ratio Lower Upper

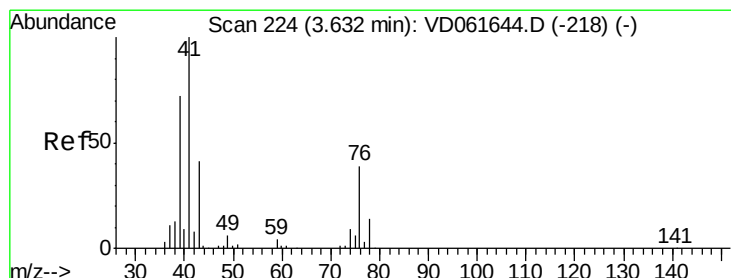
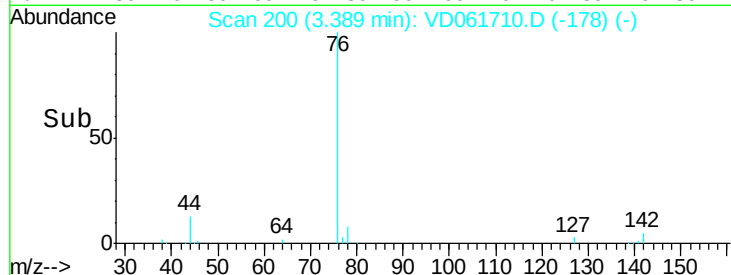
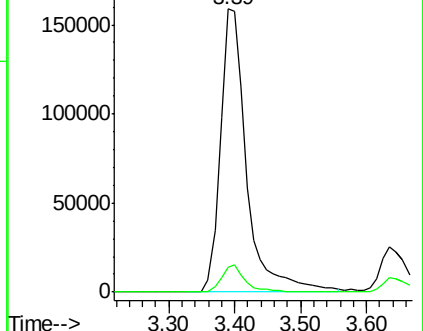
76 100

78 8.9 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 19.315 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.02 min

Lab File: VD061710.D

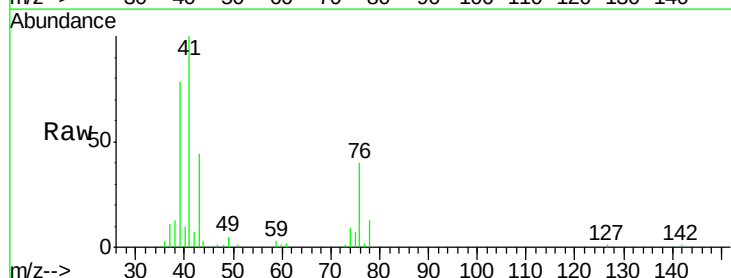
Acq: 10 Apr 2019 13:54

Tgt Ion: 43 Resp: 58571

Ion Ratio Lower Upper

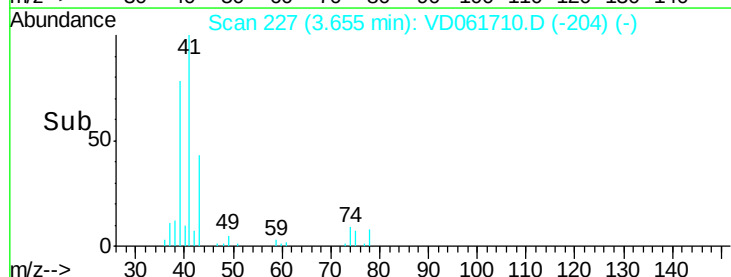
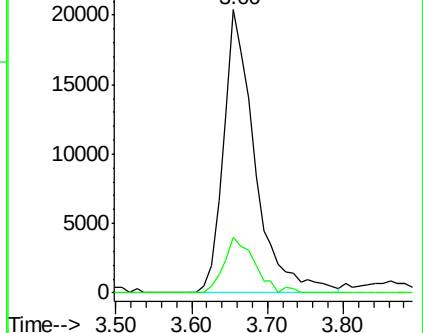
43 100

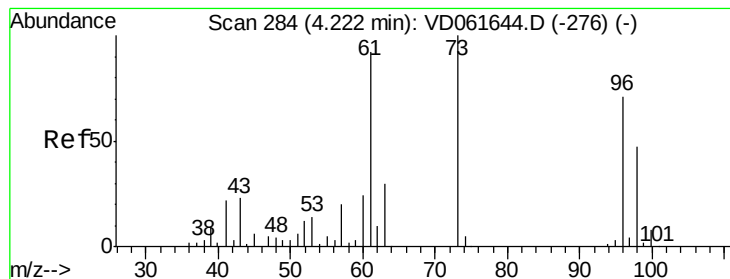
74 19.8 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



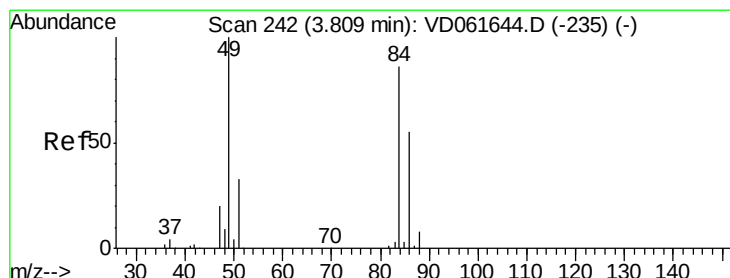
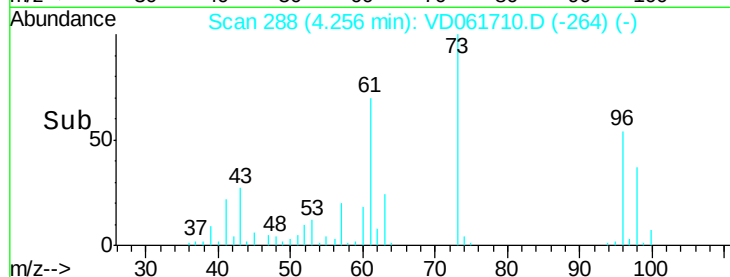
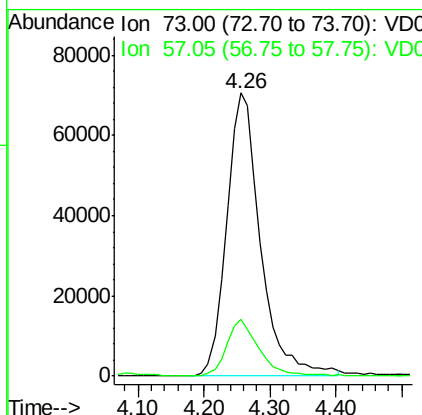
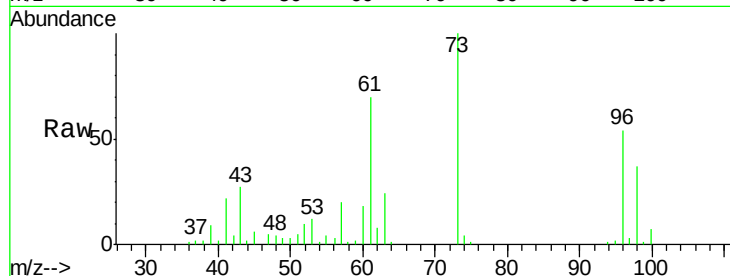


#19

Methyl tert-butyl Ether
 Concen: 19.775 ug/l
 RT: 4.26 min Scan# 288
 Delta R.T. 0.03 min
 Lab File: VD061710.D
 Acq: 10 Apr 2019 13:54

Instrument :
 MSVOA_D
 ClientSampled :

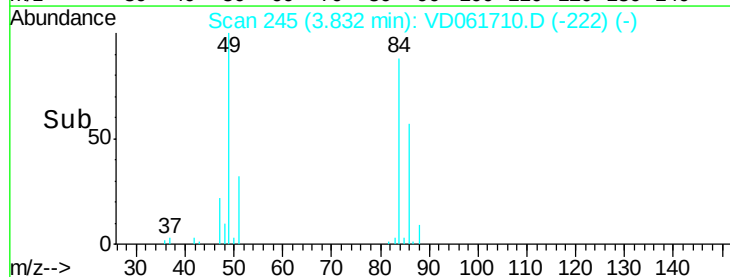
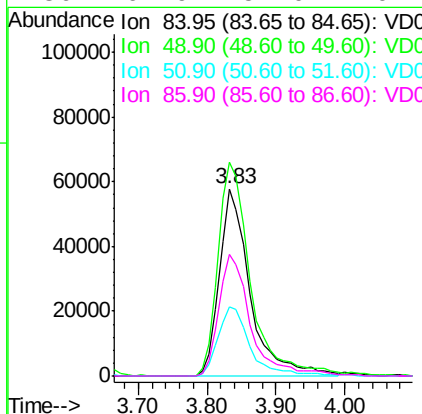
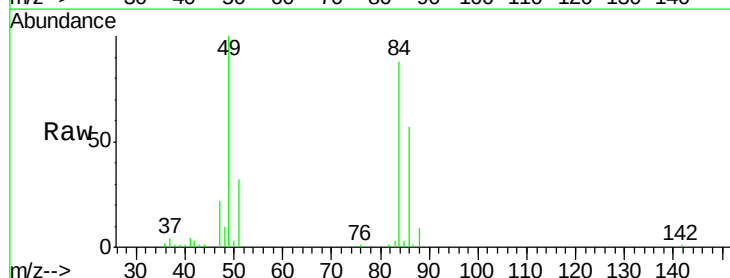
Tot Ion: 73 Resp: 253904
 Ion Ratio Lower Upper
 73 100
 57 20.1 16.0 24.0

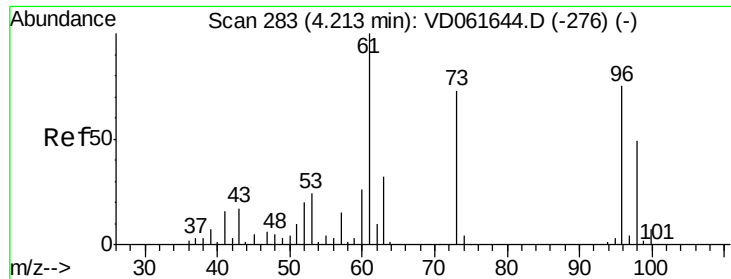


#20

Methylene Chloride
 Concen: 19.587 ug/l
 RT: 3.83 min Scan# 245
 Delta R.T. 0.02 min
 Lab File: VD061710.D
 Acq: 10 Apr 2019 13:54

Tgt Ion: 84 Resp: 179145
 Ion Ratio Lower Upper
 84 100
 49 114.2 93.0 139.4
 51 37.0 30.4 45.6
 86 64.9 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 20.009 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.02 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

Instrument :

MSVOA_D

ClientSampled :

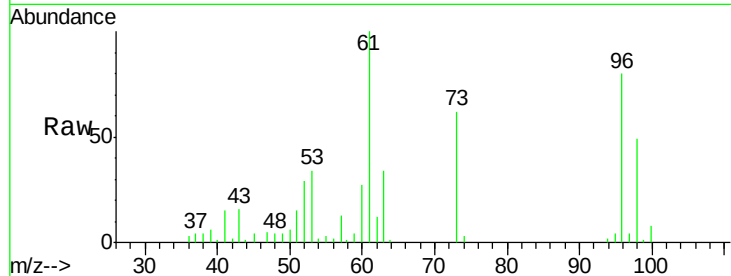
Tot Ion: 96 Resp: 161151

Ion Ratio Lower Upper

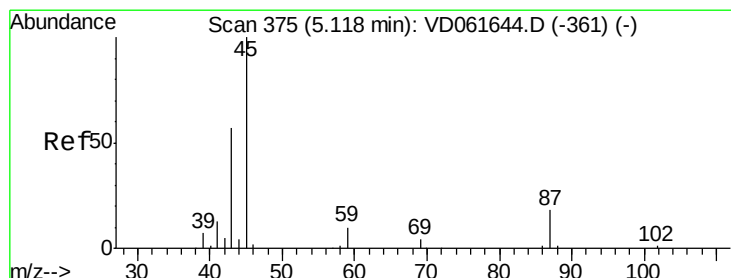
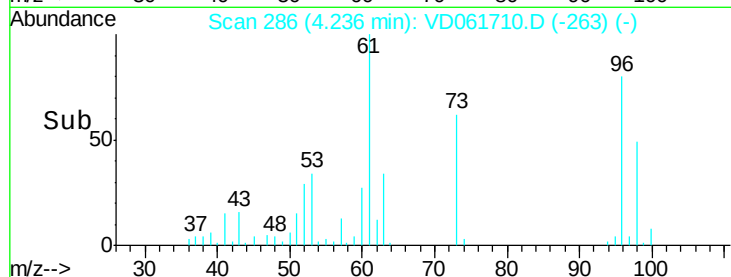
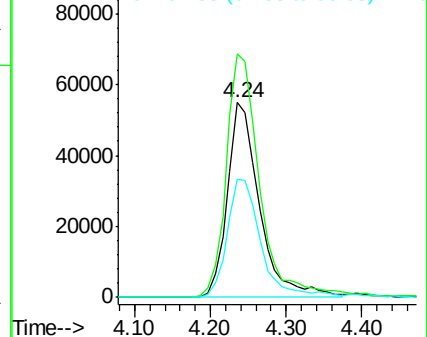
96 100

61 125.0 106.8 160.2

98 60.9 52.2 78.2



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



#22

Diisopropyl ether

Concen: 20.493 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.02 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

Tgt Ion: 45 Resp: 434561

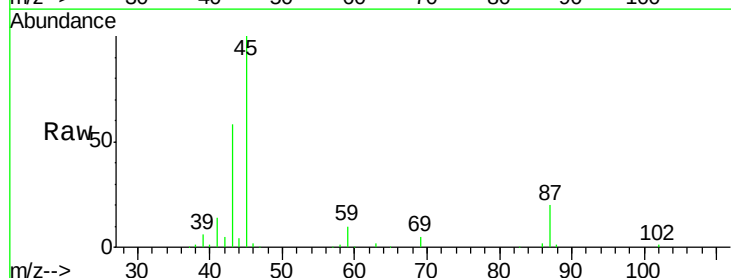
Ion Ratio Lower Upper

45 100

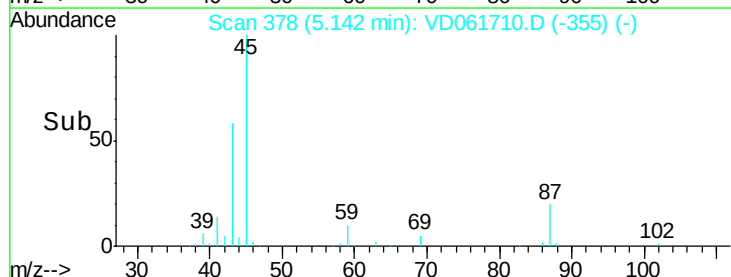
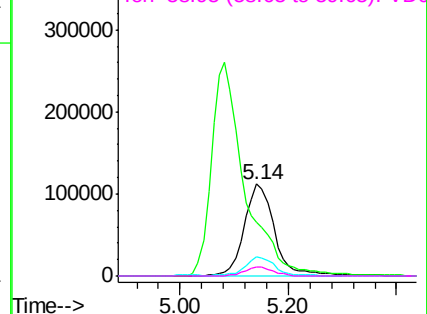
43 58.4 46.6 70.0

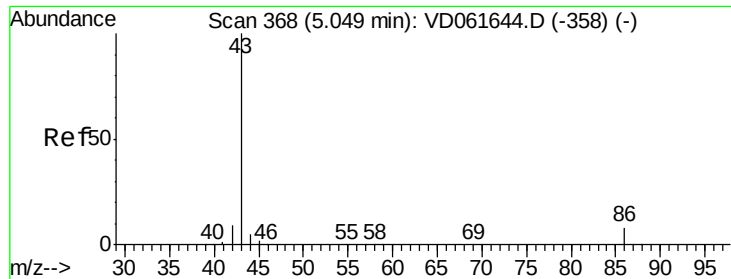
87 20.3 15.6 23.4

59 9.6 8.6 13.0



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 93.221 ug/l

RT: 5.08 min Scan# 372

Delta R.T. 0.03 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

Instrument :

MSVOA_D

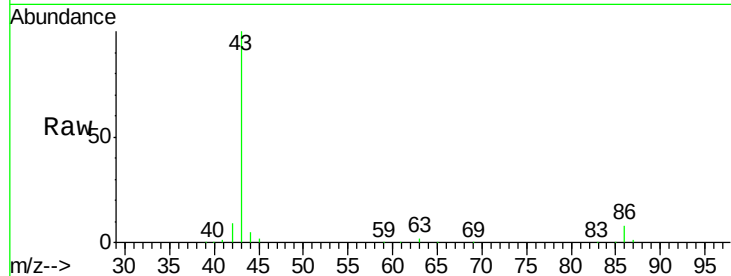
ClientSampled :

Tot Ion: 43 Resp: 1090723

Ion Ratio Lower Upper

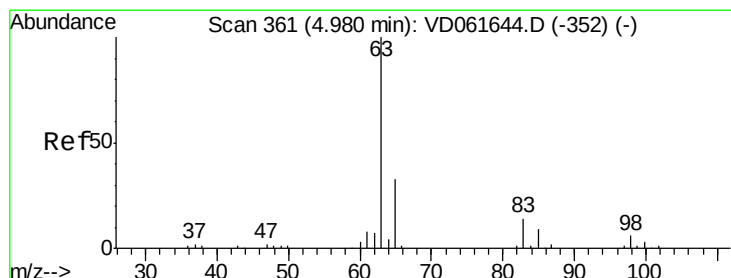
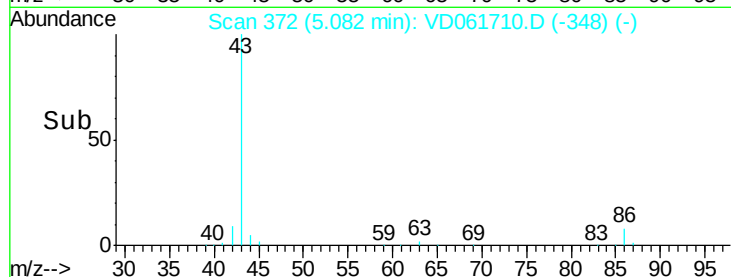
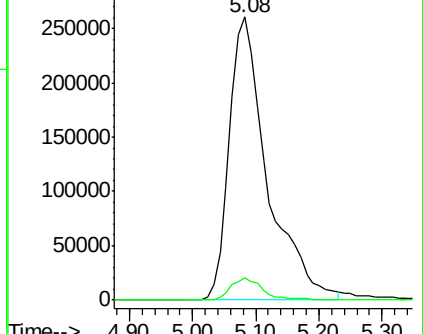
43 100

86 7.9 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.486 ug/l

RT: 5.01 min Scan# 365

Delta R.T. 0.03 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

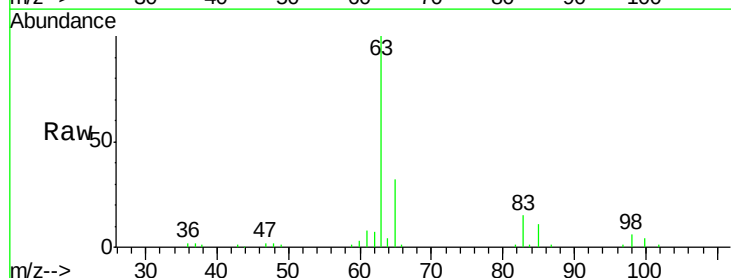
Tgt Ion: 63 Resp: 253210

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

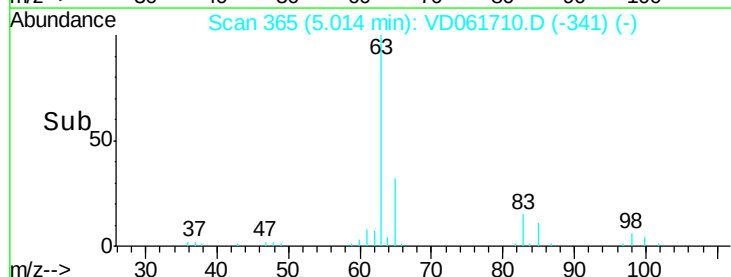
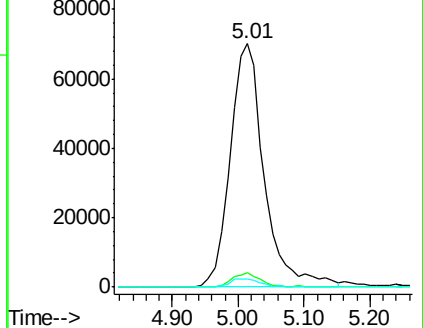
100 3.5 1.7 5.1

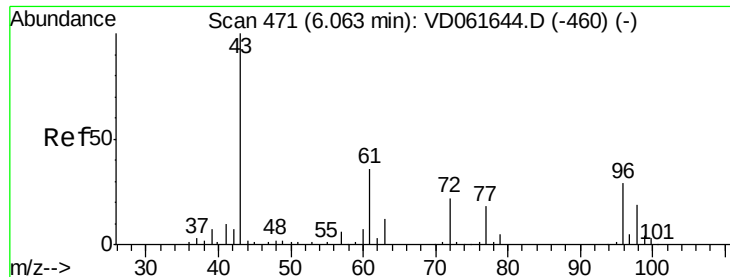


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 95.094 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.03 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

Instrument :

MSVOA_D

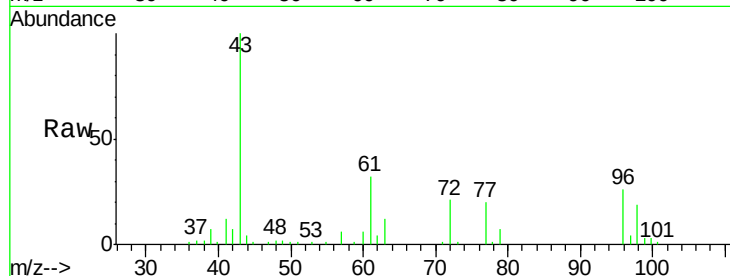
ClientSampled :

Tot Ion: 43 Resp: 176694

Ion Ratio Lower Upper

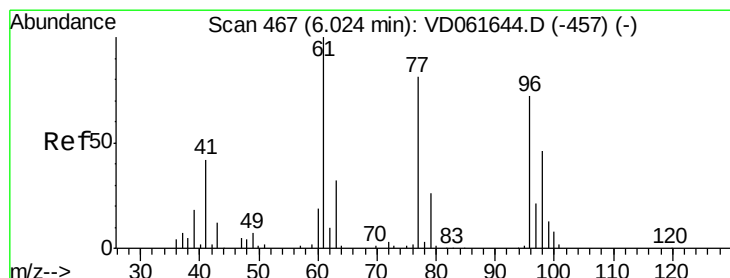
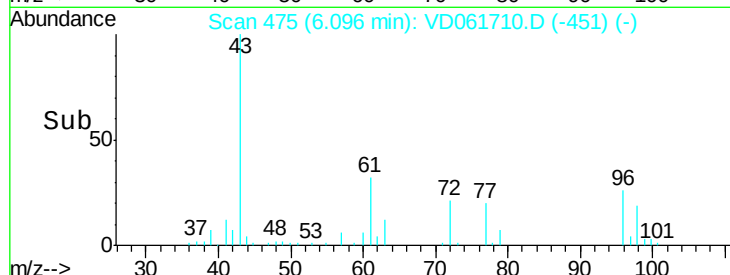
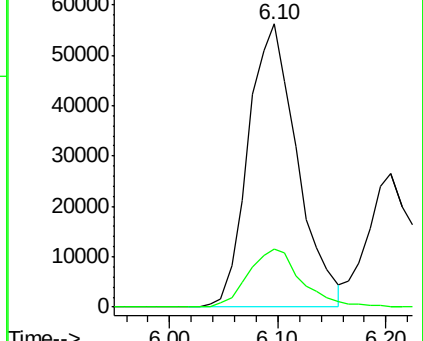
43 100

72 20.7 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: 19.535 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.03 min

Lab File: VD061710.D

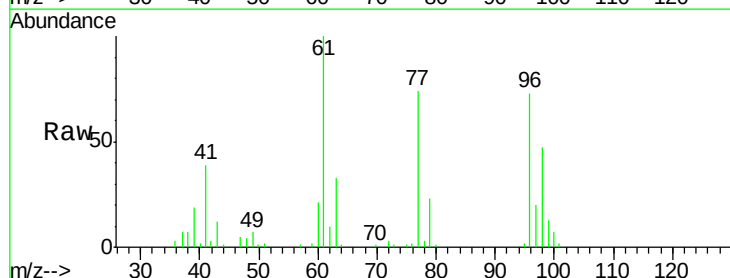
Acq: 10 Apr 2019 13:54

Tgt Ion: 77 Resp: 206690

Ion Ratio Lower Upper

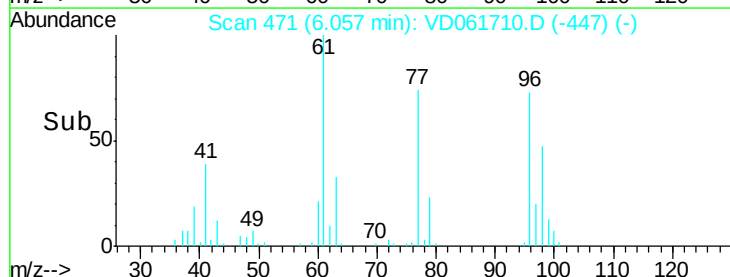
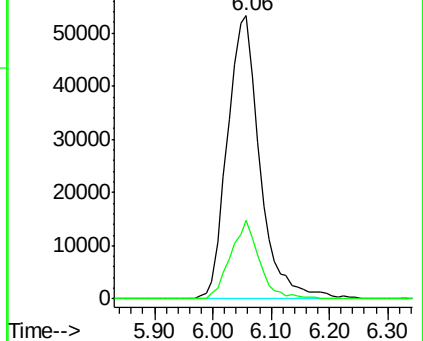
77 100

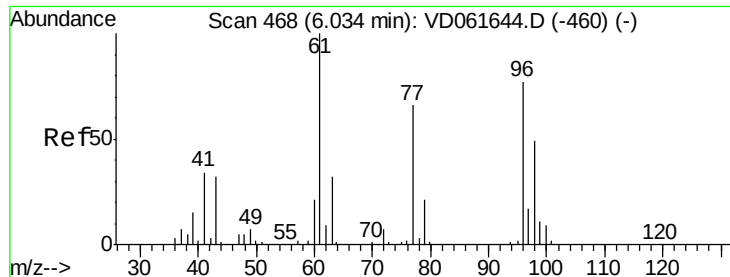
97 27.6 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



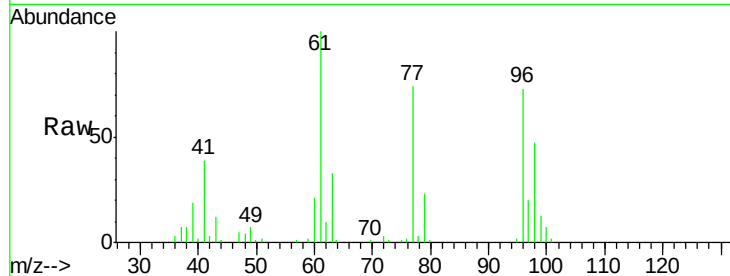


#27

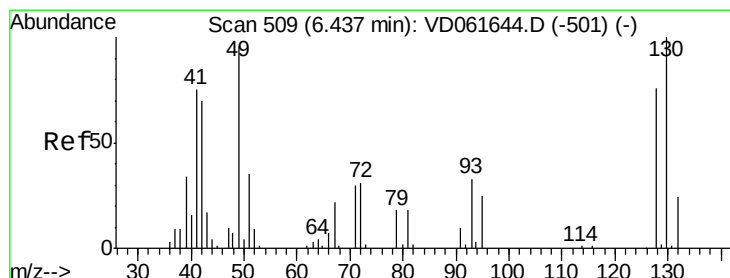
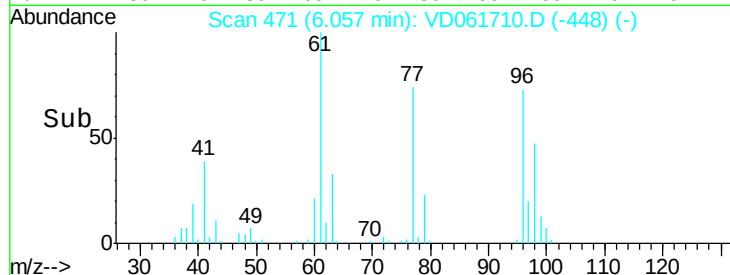
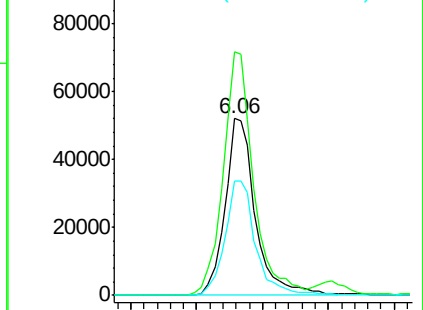
cis-1,2-Dichloroethene
Concen: 19.420 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.02 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	96	Resp	166855
Ion	Ratio	Lower	Upper
96	100		
61	137.8	0.0	259.8
98	64.6	0.0	127.6



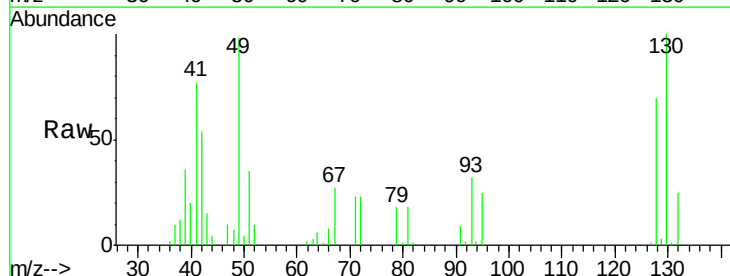
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



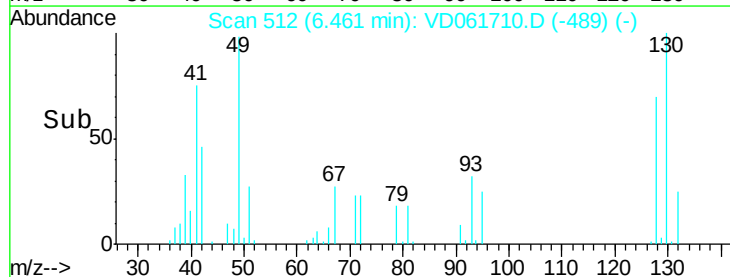
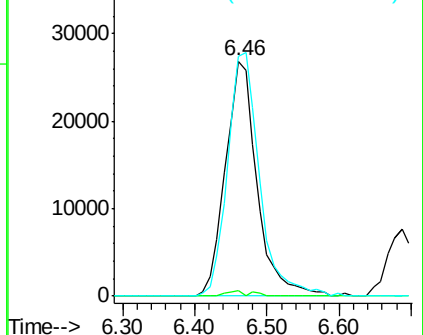
#28

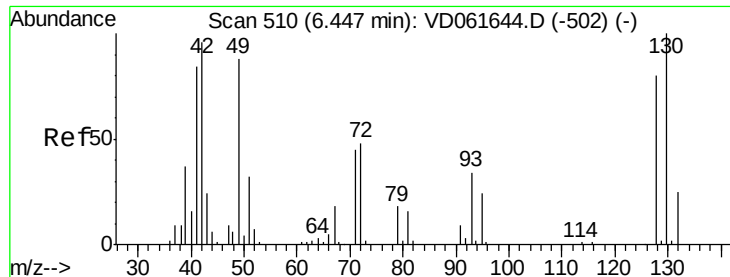
Bromochloromethane
Concen: 17.127 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

Tgt Ion	49	Resp	82095
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.0
130	101.9	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

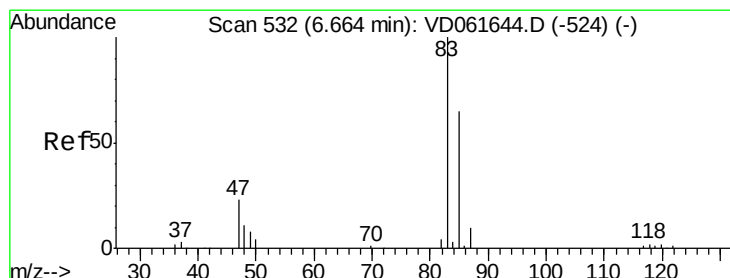
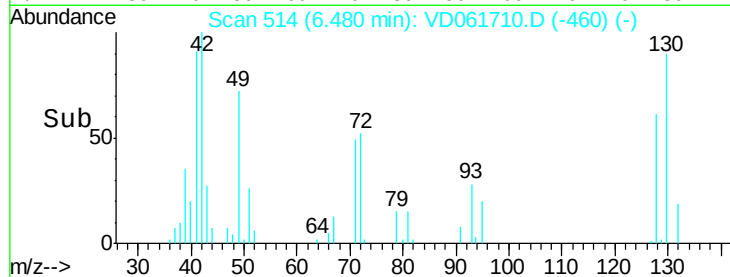
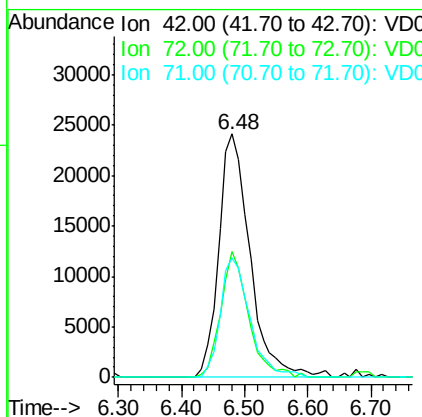
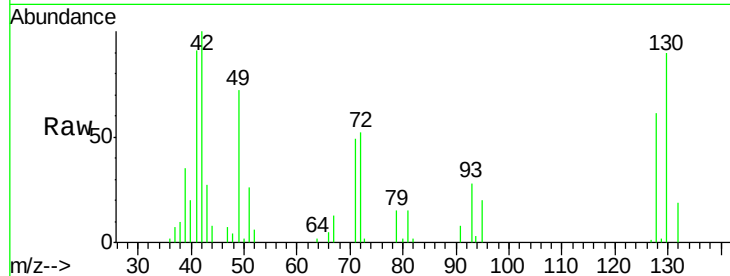




#29
Tetrahydrofuran
Concen: 92.747 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.03 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

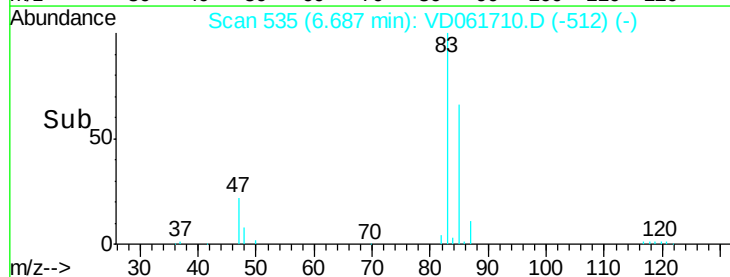
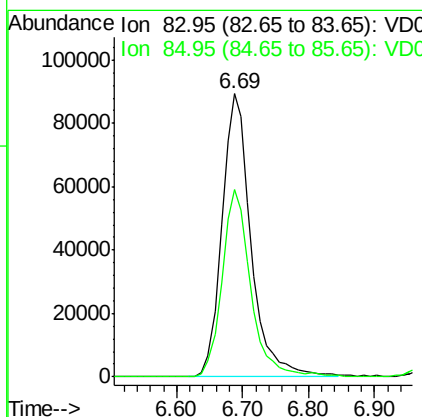
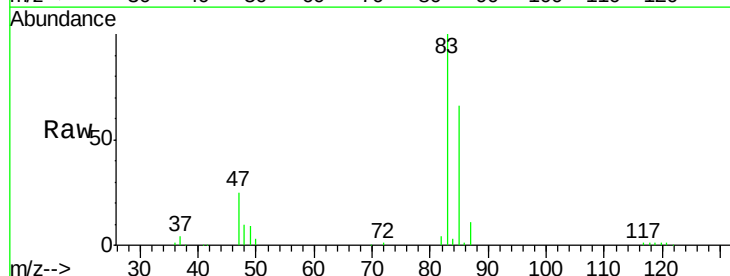
Instrument :
MSVOA_D
ClientSampleId :

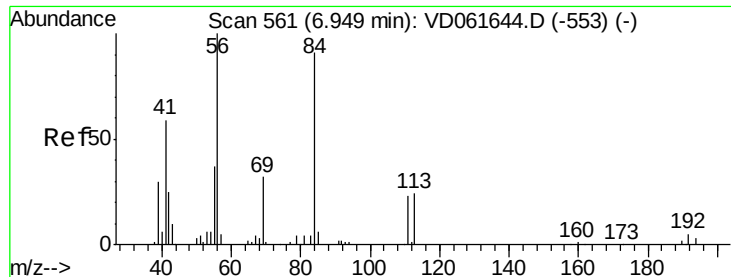
Tot Ion: 42 Resp: 83191
Ion Ratio Lower Upper
42 100
72 46.0 37.0 55.6
71 46.3 36.5 54.7



#30
Chloroform
Concen: 20.163 ug/l
RT: 6.69 min Scan# 535
Delta R.T. 0.02 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

Tgt Ion: 83 Resp: 274469
Ion Ratio Lower Upper
83 100
85 66.1 51.9 77.9

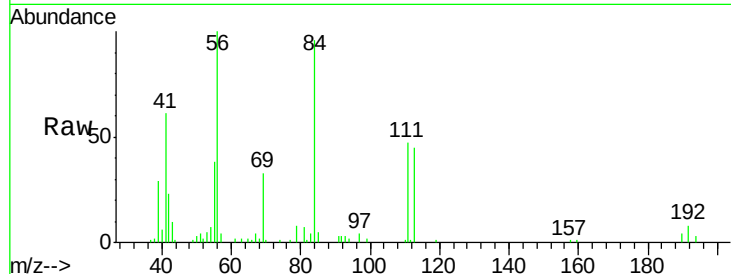




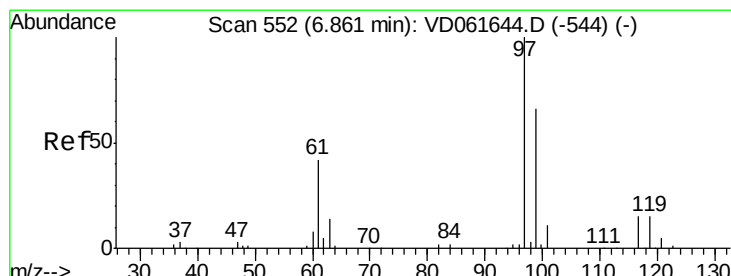
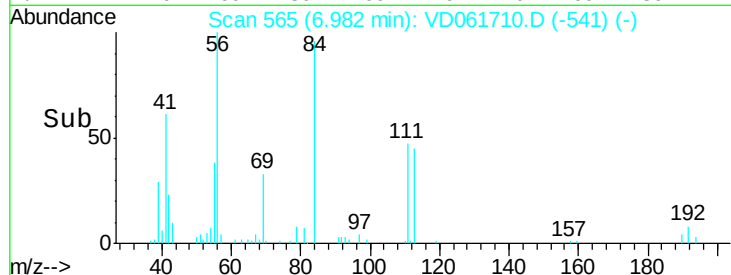
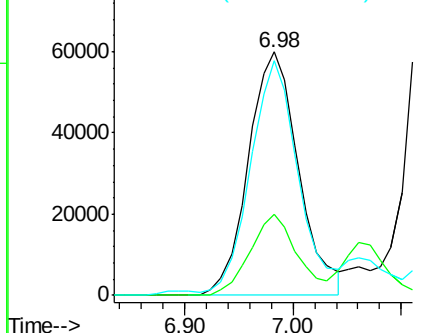
#31
Cyclohexane
Concen: 19.114 ug/l
RT: 6.98 min Scan# 565
Delta R.T. 0.03 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 194033
Ion Ratio Lower Upper
56 100
69 33.1 25.8 38.6
84 96.3 74.2 111.2

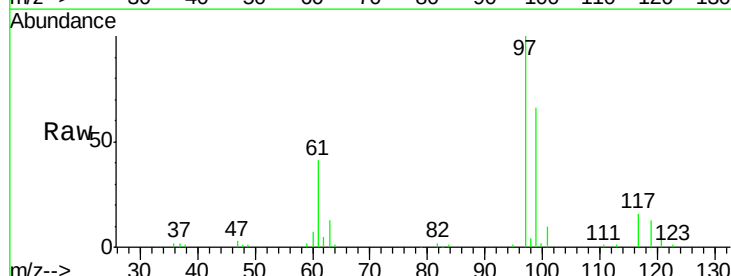


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

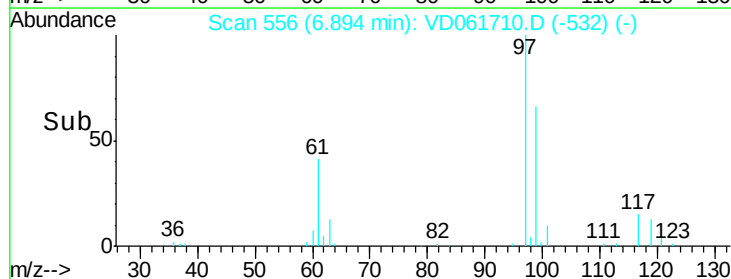
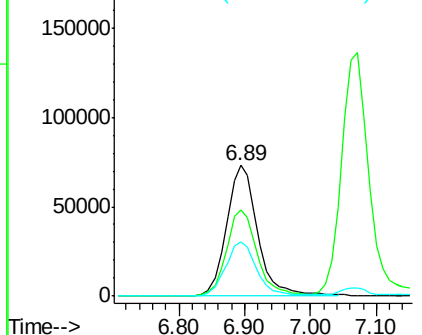


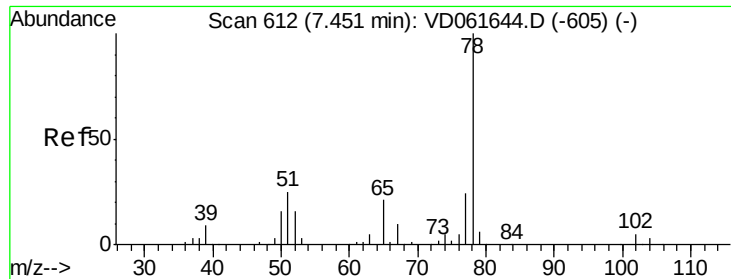
#32
1,1,1-Trichloroethane
Concen: 20.293 ug/l
RT: 6.89 min Scan# 556
Delta R.T. 0.03 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

Tgt Ion: 97 Resp: 242078
Ion Ratio Lower Upper
97 100
99 66.4 52.5 78.7
61 41.2 33.4 50.0



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

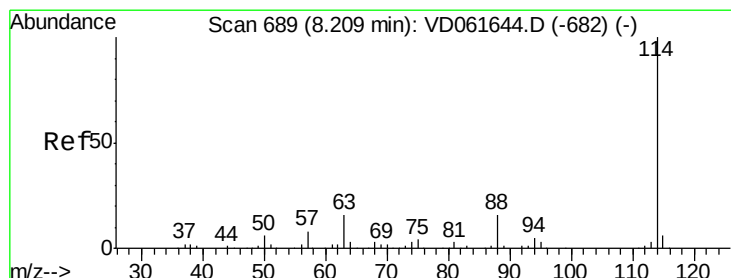
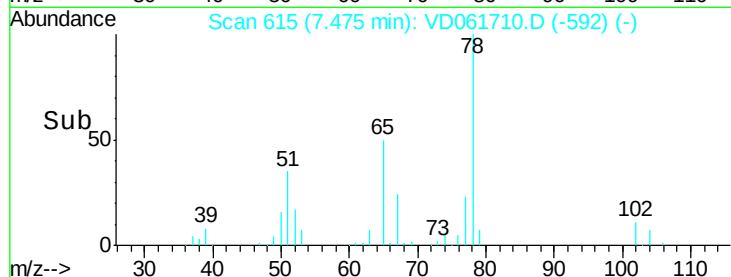
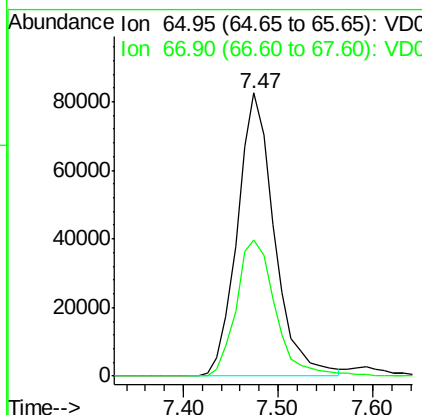
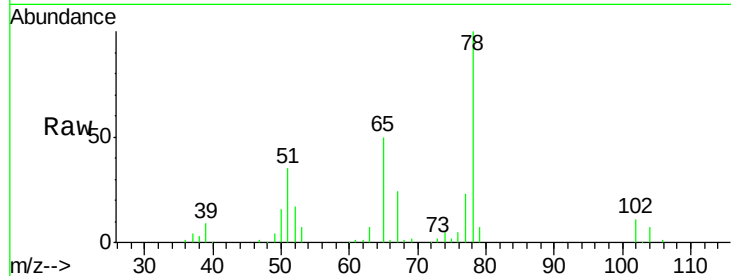




#33
 1,2-Dichloroethane-d4
 Concen: 20.293 ug/l
 RT: 7.47 min Scan# 615
 Delta R.T. 0.02 min
 Lab File: VD061710.D
 Acq: 10 Apr 2019 13:54

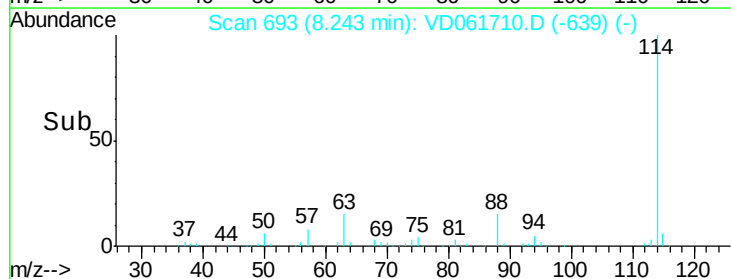
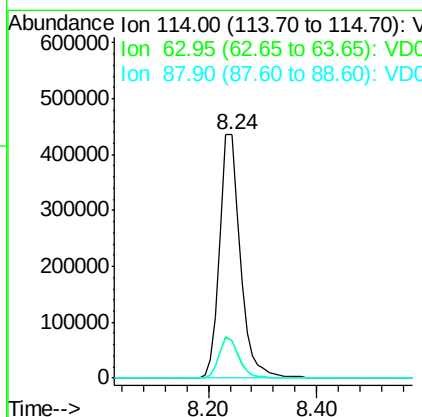
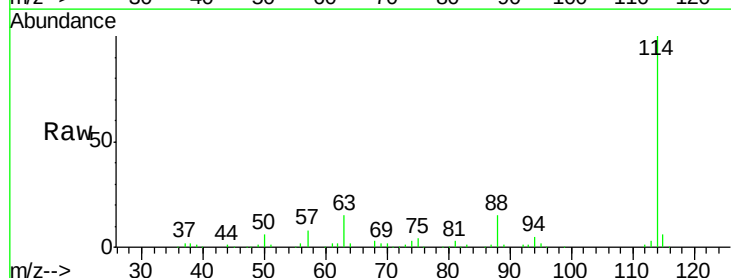
Instrument :
 MSVOA_D
 ClientSampleId :

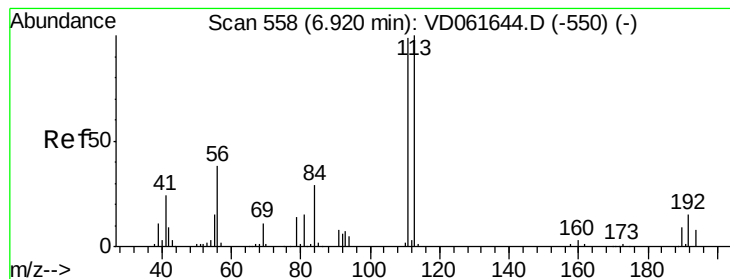
Tot Ion: 65 Resp: 224247
 Ion Ratio Lower Upper
 65 100
 67 48.2 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 693
 Delta R.T. 0.03 min
 Lab File: VD061710.D
 Acq: 10 Apr 2019 13:54

Tgt Ion: 114 Resp: 1153698
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 31.2
 88 15.5 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: VD061710.D

Acq: 10 Apr 2019 13:54

Instrument :

MSVOA_D

ClientSampled :

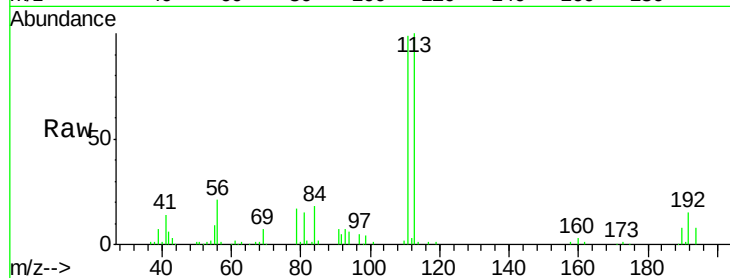
Tot Ion:113 Resp: 334065

Ion Ratio Lower Upper

113 100

111 99.3 79.3 118.9

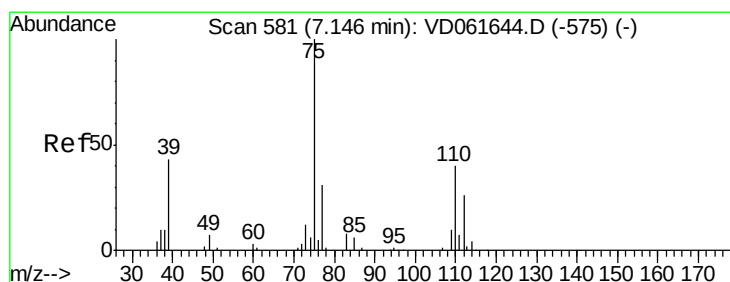
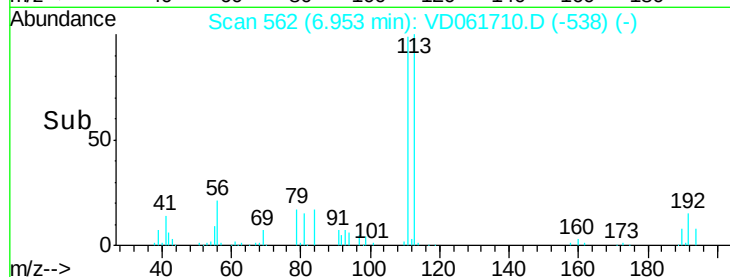
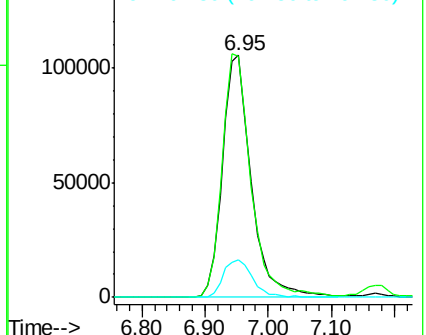
192 15.4 12.3 18.5



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.146 ug/l

RT: 7.17 min Scan# 584

Delta R.T. 0.02 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

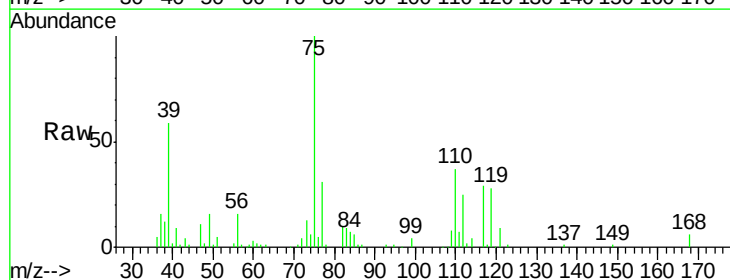
Tgt Ion: 75 Resp: 213507

Ion Ratio Lower Upper

75 100

110 37.1 19.7 59.0

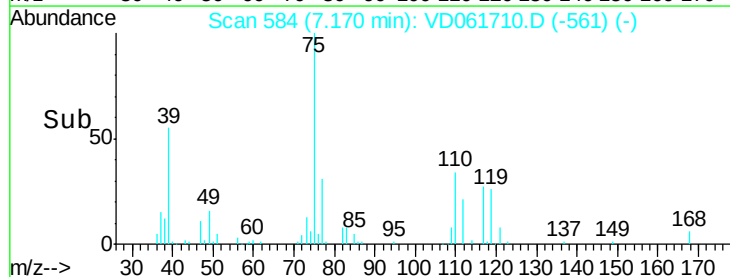
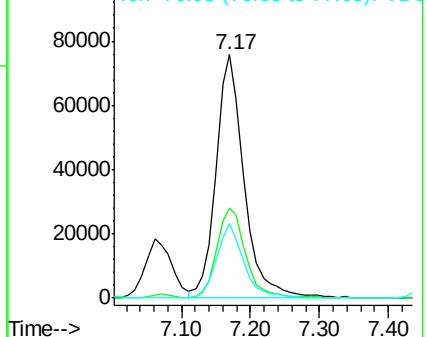
77 30.8 24.8 37.2

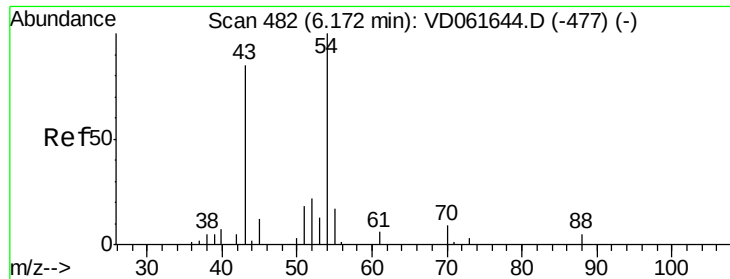


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

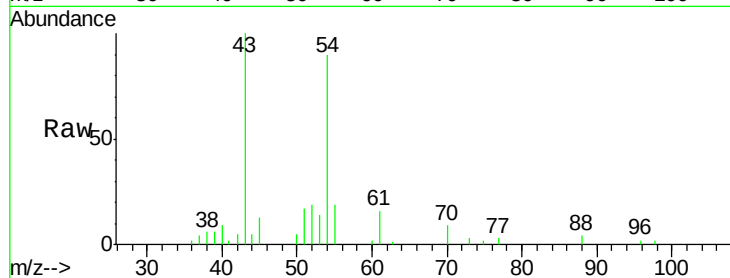




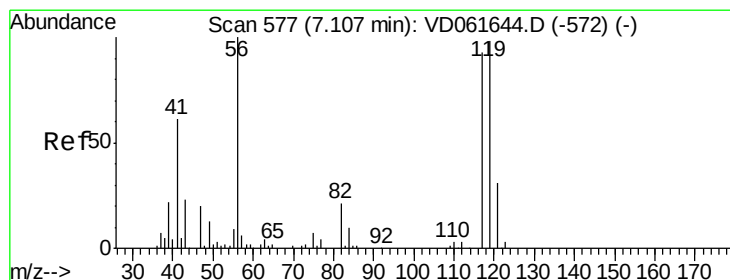
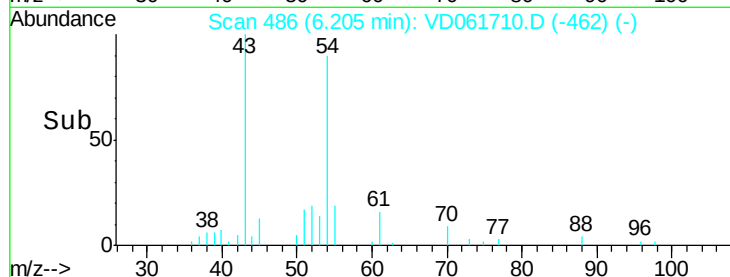
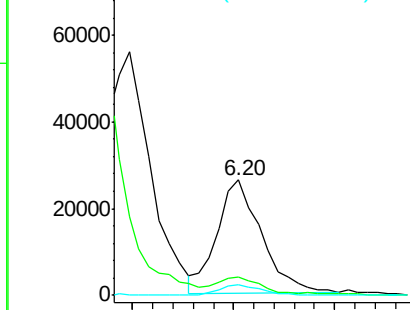
#37
Ethyl Acetate
Concen: 19.685 ug/l
RT: 6.20 min Scan# 486
Delta R.T. 0.03 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 80955
Ion Ratio Lower Upper
43 100
61 16.3 11.9 17.9
70 9.4 6.9 10.3

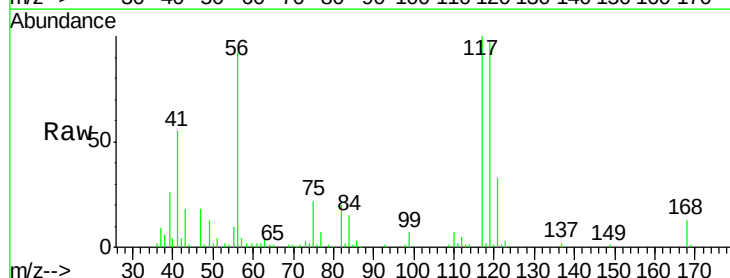


Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 60.95 (60.65 to 61.65): VD0
Ion 70.00 (69.70 to 70.70): VD0

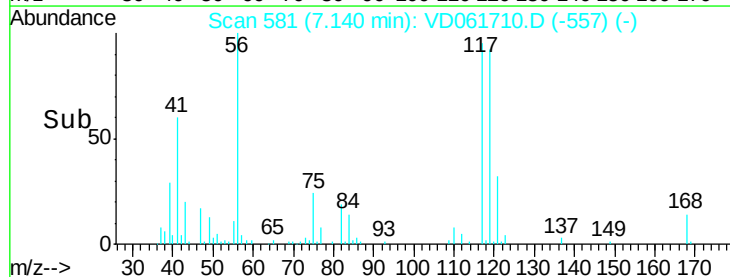
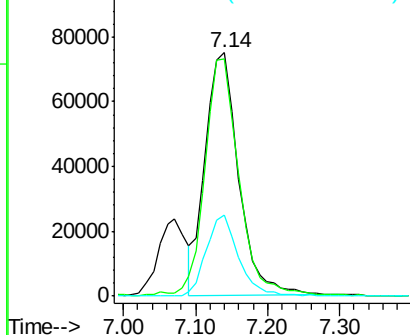


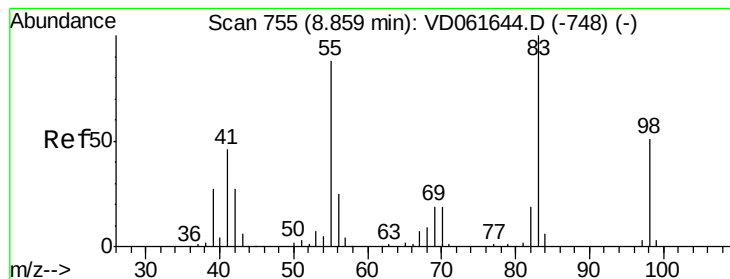
#38
Carbon Tetrachloride
Concen: 20.253 ug/l
RT: 7.14 min Scan# 581
Delta R.T. 0.03 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

Tgt Ion: 117 Resp: 239666
Ion Ratio Lower Upper
117 100
119 97.4 77.9 116.9
121 33.3 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: 20.002 ug/l

RT: 8.88 min Scan# 758

Delta R.T. 0.02 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

Instrument :

MSVOA_D

ClientSampled :

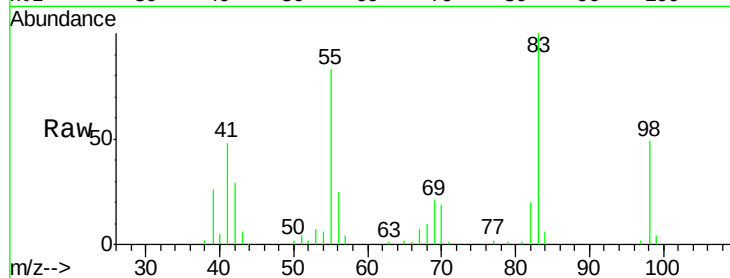
Tot Ion: 83 Resp: 207342

Ion Ratio Lower Upper

83 100

55 82.7 70.3 105.5

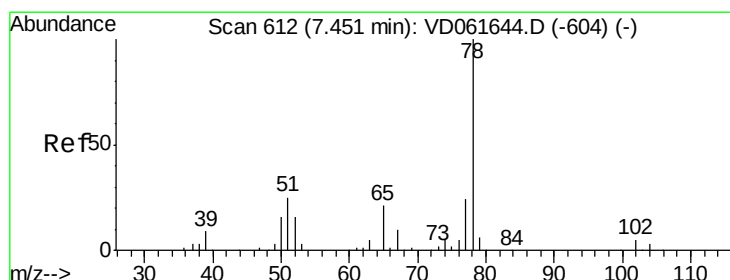
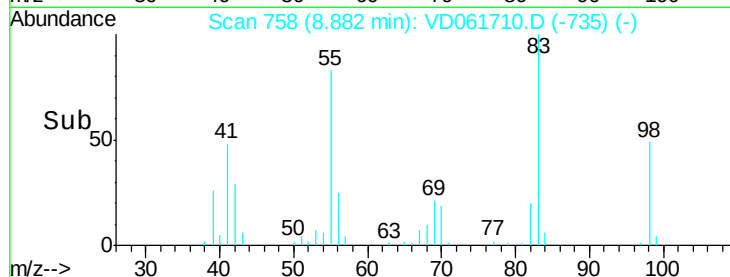
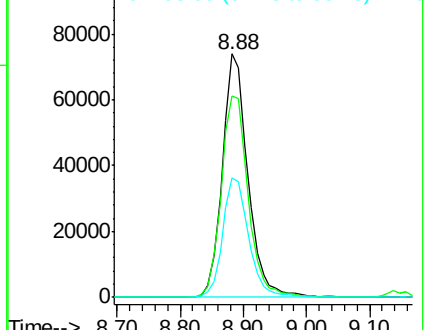
98 49.2 41.0 61.6



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: 19.975 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.02 min

Lab File: VD061710.D

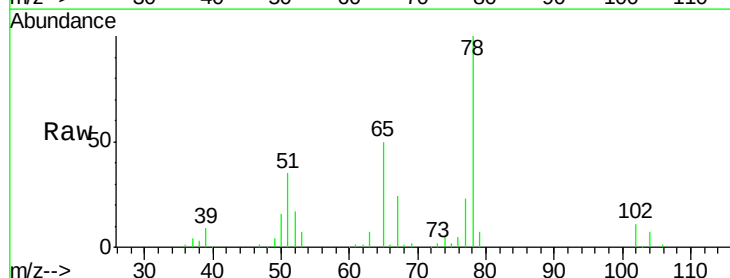
Acq: 10 Apr 2019 13:54

Tgt Ion: 78 Resp: 486570

Ion Ratio Lower Upper

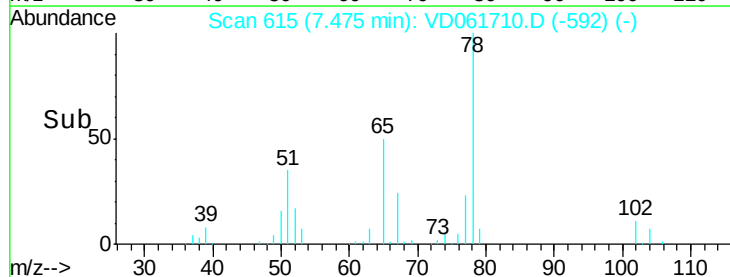
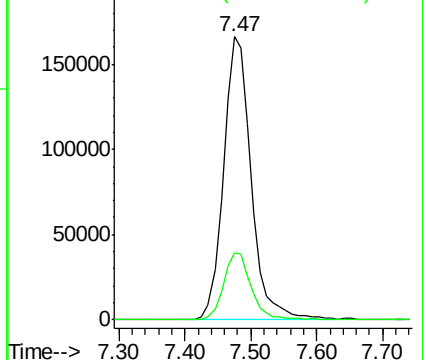
78 100

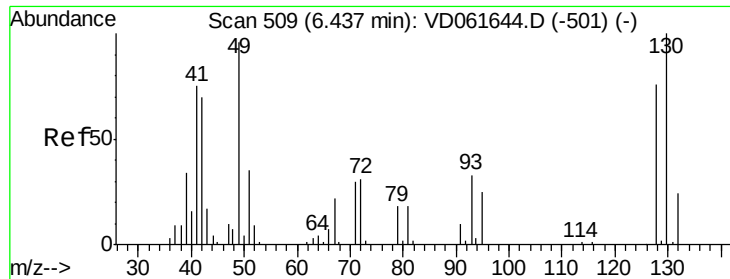
77 23.5 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

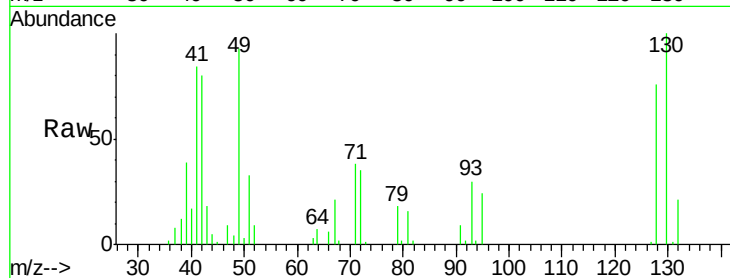




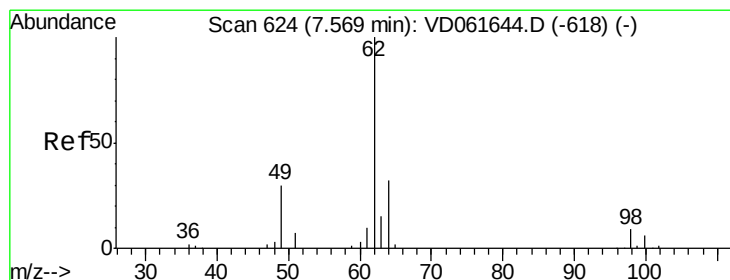
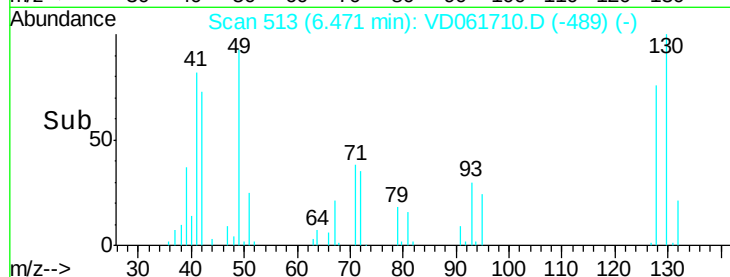
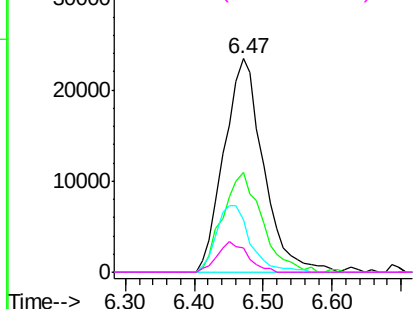
#41
Methacrylonitrile
Concen: 19.334 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 92821
Ion Ratio Lower Upper
41 100
39 46.9 36.2 54.2
67 24.7 23.2 34.8
52 11.2 10.0 15.0

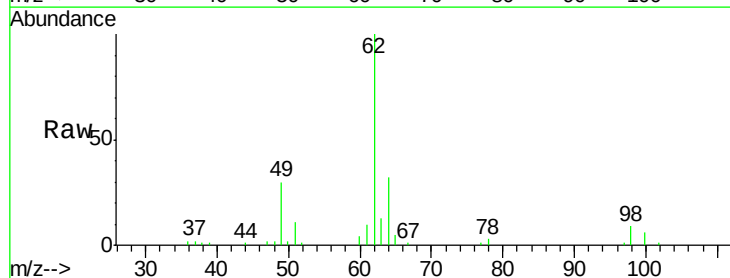


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

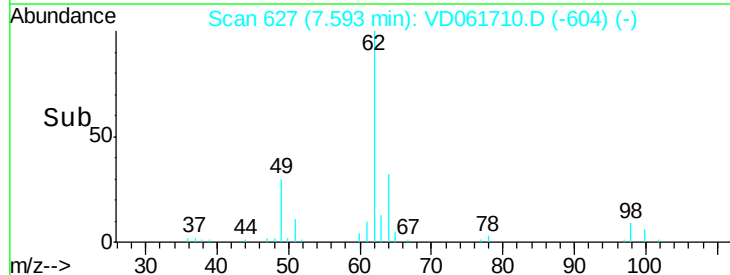
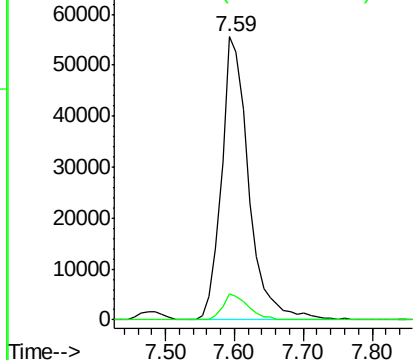


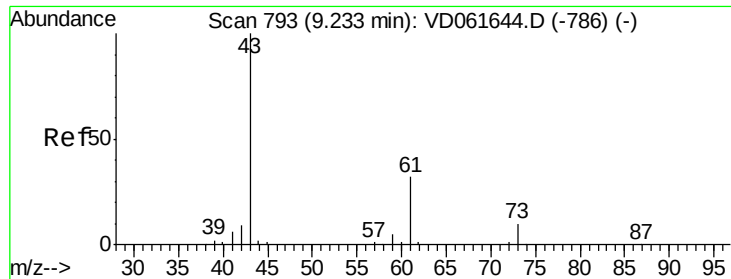
#42
1,2-Dichloroethane
Concen: 19.848 ug/l
RT: 7.59 min Scan# 627
Delta R.T. 0.02 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

Tgt Ion: 62 Resp: 152049
Ion Ratio Lower Upper
62 100
98 9.1 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: 18.745 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.02 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

Instrument :

MSVOA_D

ClientSampled :

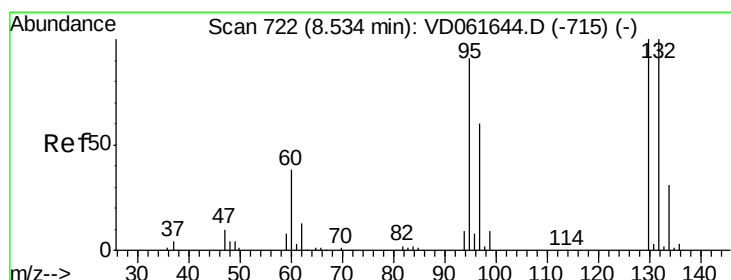
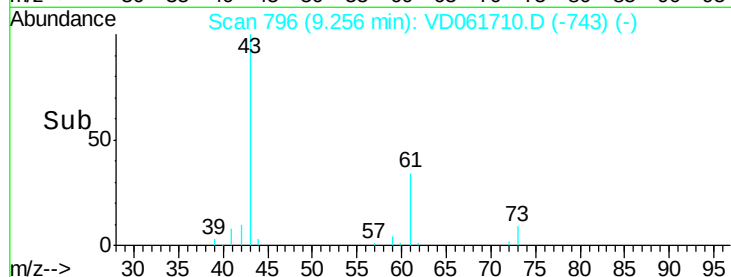
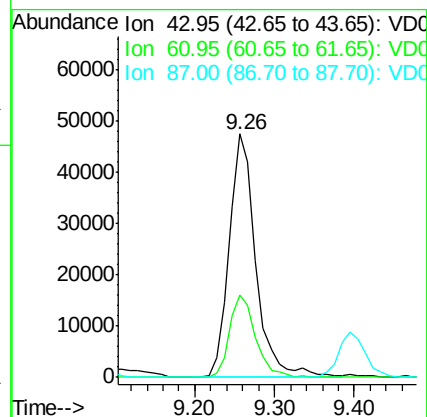
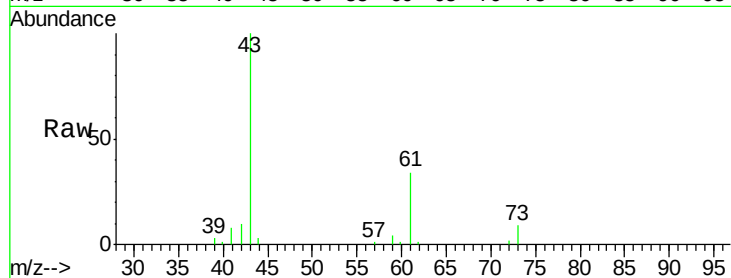
Tot Ion: 43 Resp: 111881

Ion Ratio Lower Upper

43 100

61 33.8 25.9 38.9

87 0.0 0.2 0.4#



#44

Trichloroethene

Concen: 19.274 ug/l

RT: 8.56 min Scan# 725

Delta R.T. 0.02 min

Lab File: VD061710.D

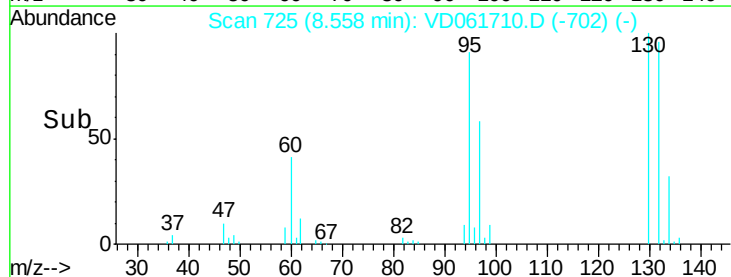
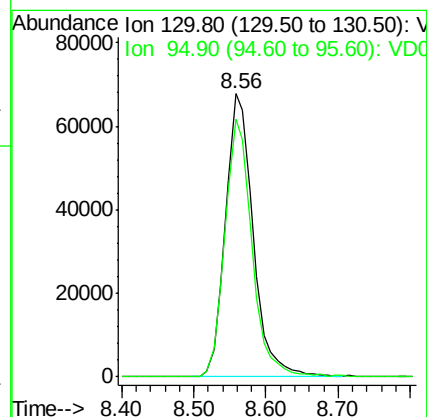
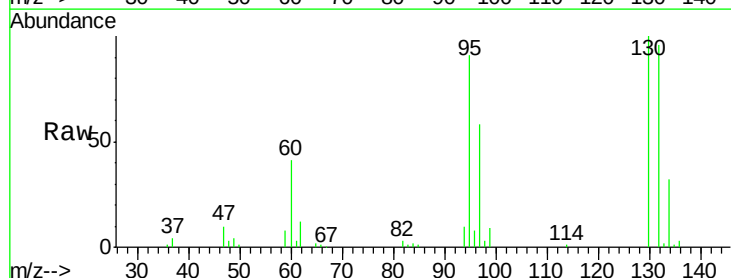
Acq: 10 Apr 2019 13:54

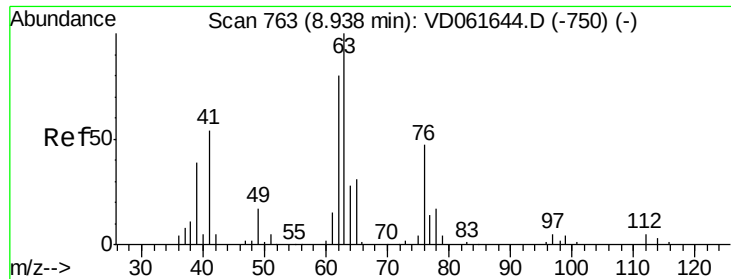
Tgt Ion:130 Resp: 179991

Ion Ratio Lower Upper

130 100

95 91.1 0.0 181.8

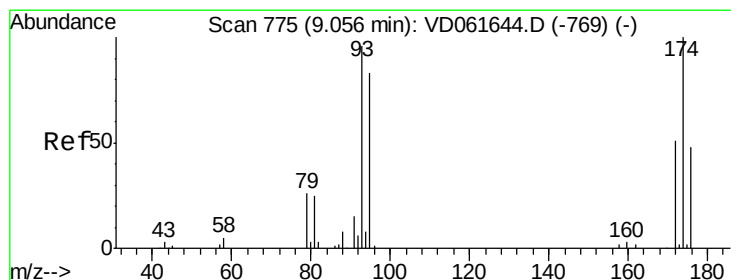
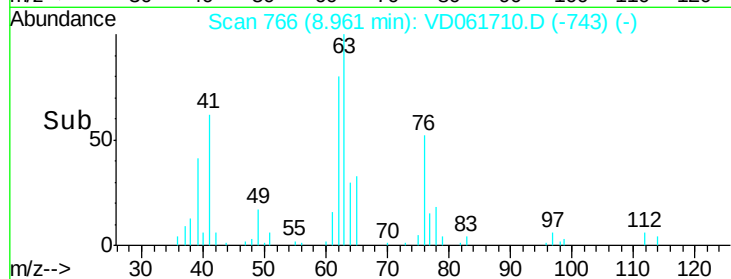
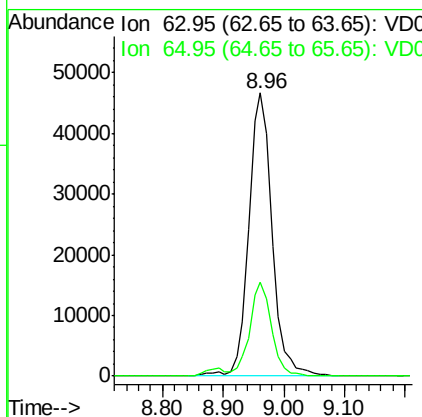
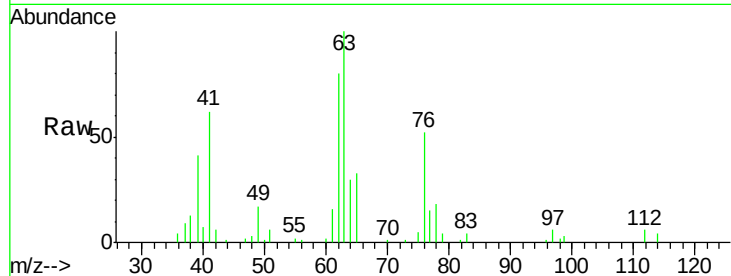




#45
 1,2-Dichloropropane
 Concen: 20.626 ug/l
 RT: 8.96 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: VD061710.D
 Acq: 10 Apr 2019 13:54

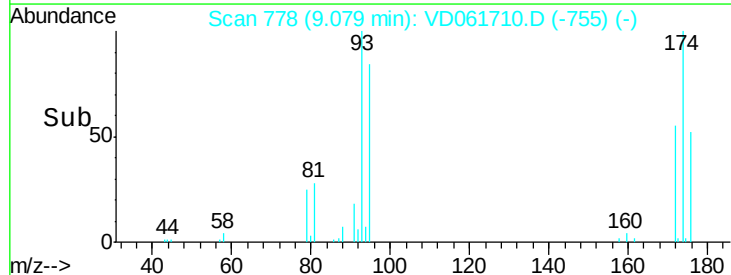
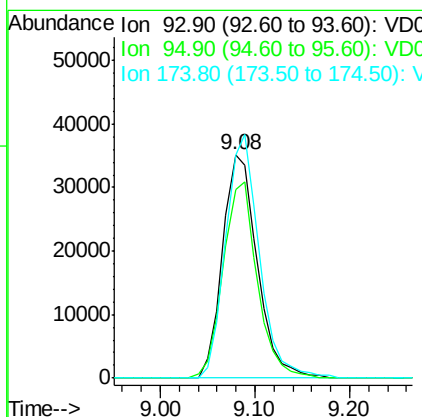
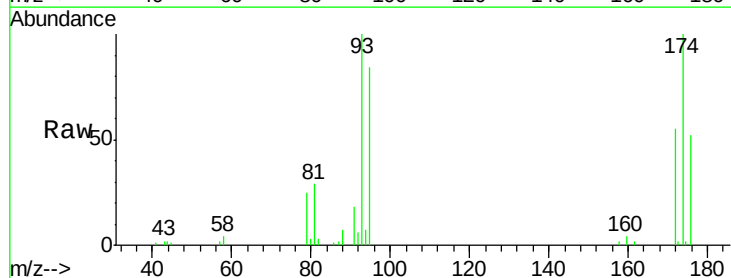
Instrument :
 MSVOA_D
 ClientSampleID :

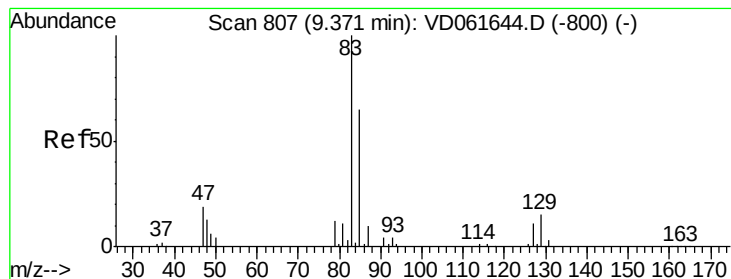
Tot Ion: 63 Resp: 124599
 Ion Ratio Lower Upper
 63 100
 65 33.0 24.5 36.7



#46
 Dibromomethane
 Concen: 20.672 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. 0.02 min
 Lab File: VD061710.D
 Acq: 10 Apr 2019 13:54

Tgt Ion: 93 Resp: 89247
 Ion Ratio Lower Upper
 93 100
 95 84.2 68.6 103.0
 174 99.8 83.0 124.4





#47

Bromodichloromethane

Concen: 21.095 ug/l

RT: 9.39 min Scan# 810

Delta R.T. 0.02 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

Instrument :
MSVOA_D
ClientSampleID :

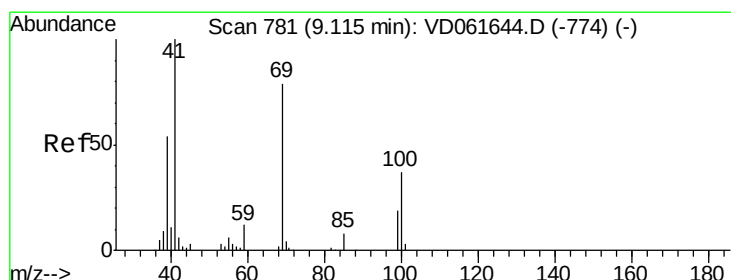
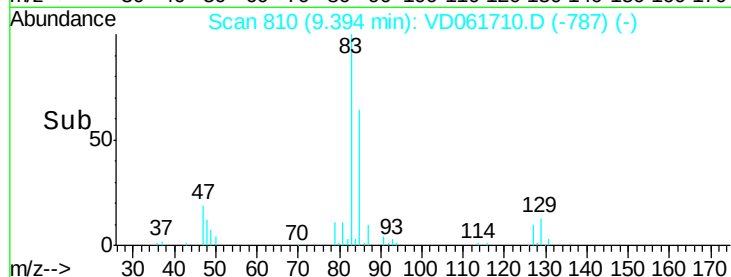
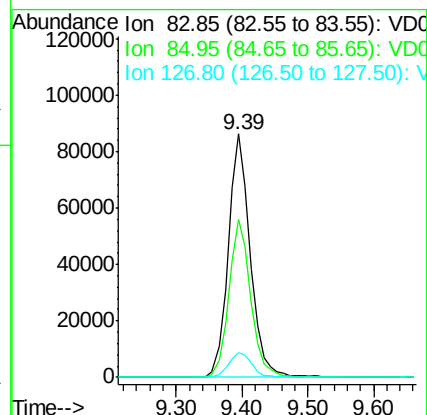
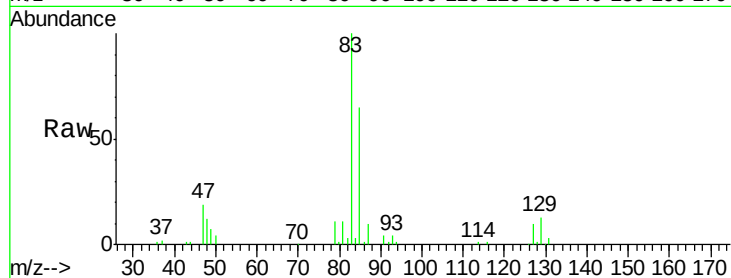
Tot Ion: 83 Resp: 200026

Ion Ratio Lower Upper

83 100

85 65.1 51.8 77.6

127 9.9 9.0 13.6



#48

Methyl methacrylate

Concen: 19.374 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.02 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

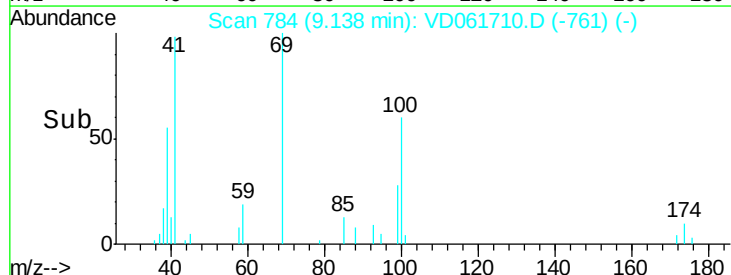
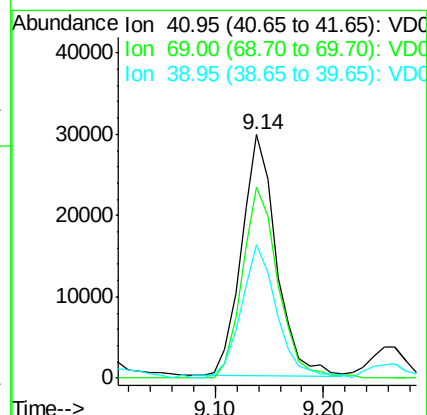
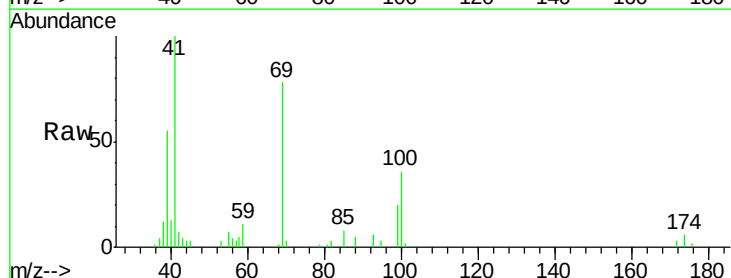
Tgt Ion: 41 Resp: 66656

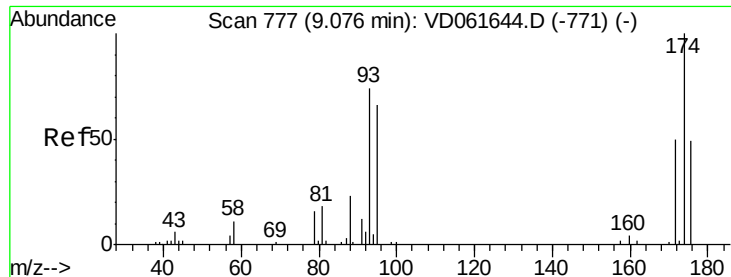
Ion Ratio Lower Upper

41 100

69 78.3 63.1 94.7

39 54.7 43.8 65.8





#49

1,4-Dioxane

Concen: 385.346 ug/l

RT: 9.10 min Scan# 780

Delta R.T. 0.02 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

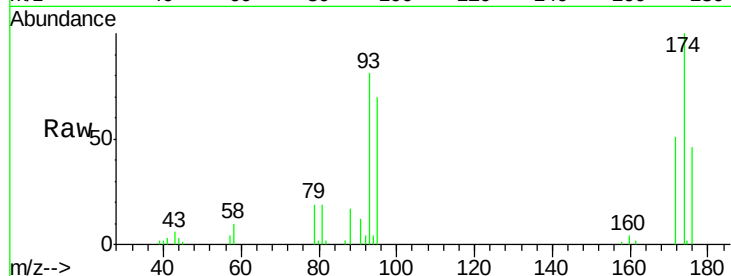
Tot Ion: 88 Resp: 14634

Ion Ratio Lower Upper

88 100

43 38.0 21.8 32.8#

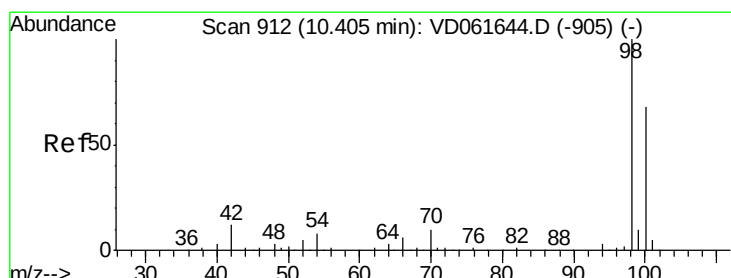
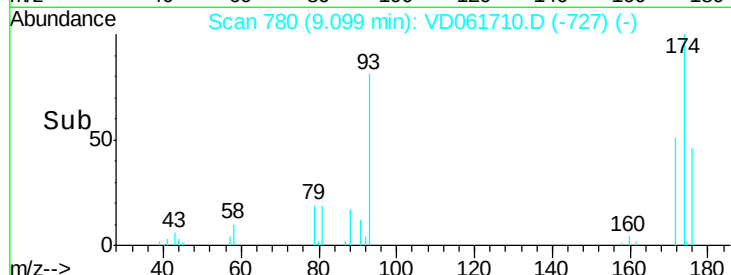
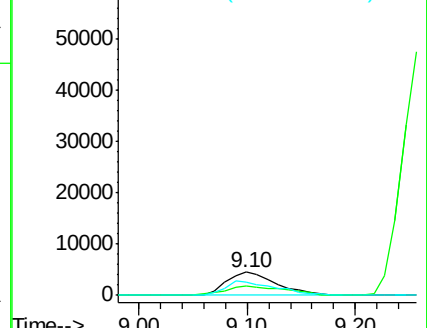
58 59.1 40.2 60.2



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 385.346 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.02 min

Lab File: VD061710.D

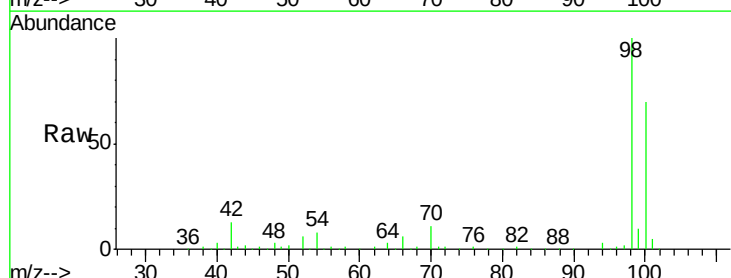
Acq: 10 Apr 2019 13:54

Tgt Ion: 98 Resp: 783193

Ion Ratio Lower Upper

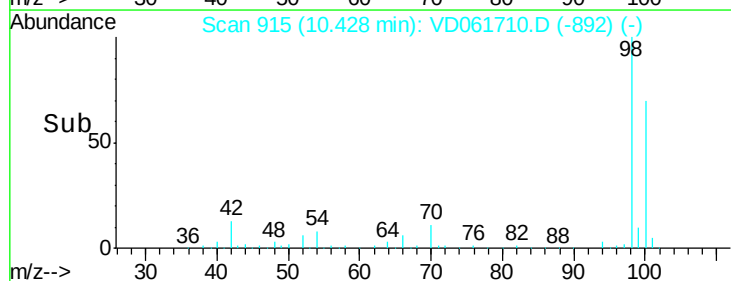
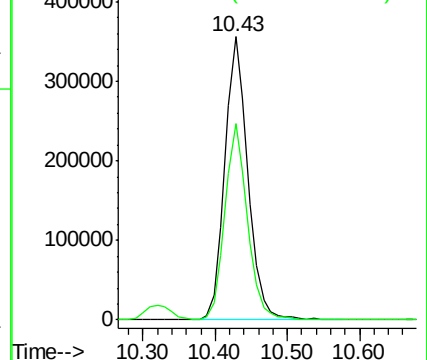
98 100

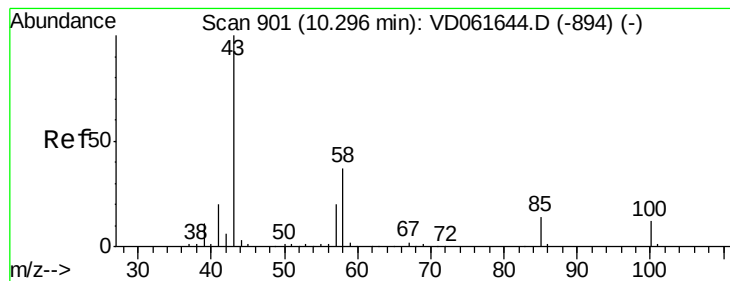
100 69.6 55.4 83.0



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: 101.736 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.02 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

Instrument :

MSVOA_D

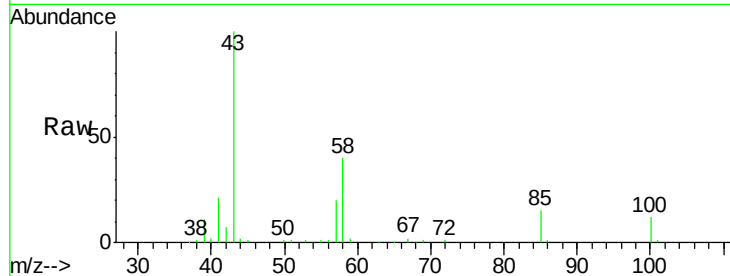
ClientSampleId :

Tot Ion: 43 Resp: 359110

Ion Ratio Lower Upper

43 100

58 39.8 29.8 44.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.32

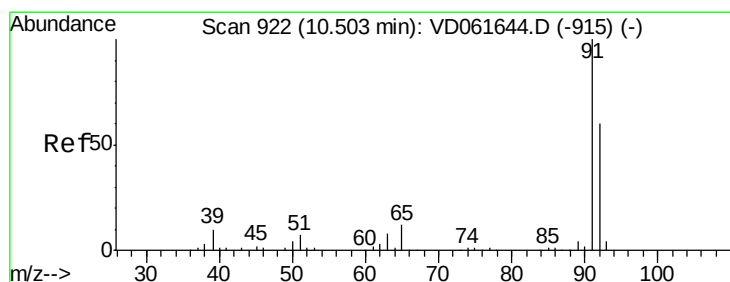
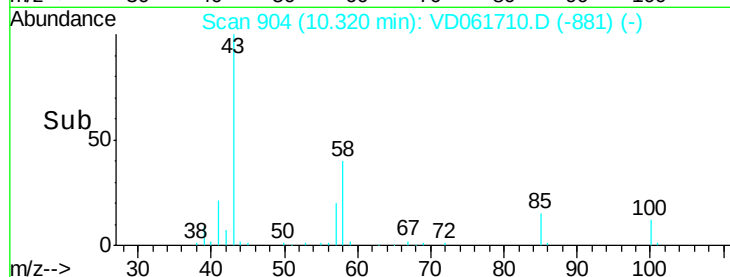
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.016 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.02 min

Lab File: VD061710.D

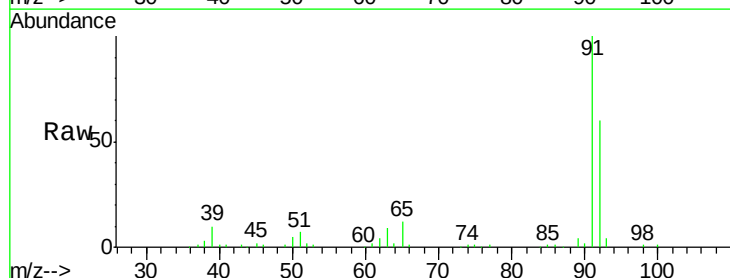
Acq: 10 Apr 2019 13:54

Tgt Ion: 92 Resp: 304453

Ion Ratio Lower Upper

92 100

91 166.2 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

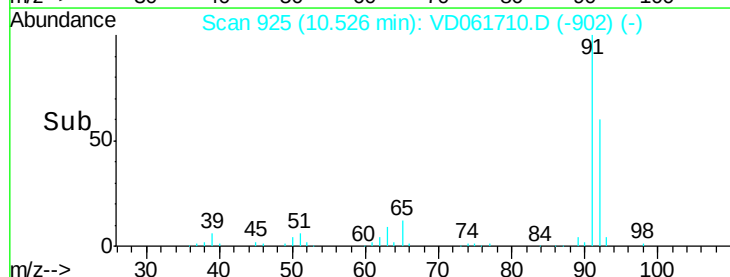
150000

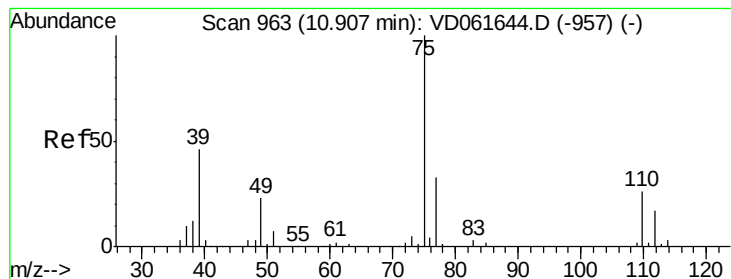
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.514 ug/l

RT: 10.93 min Scan# 966

Delta R.T. 0.02 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

Instrument :

MSVOA_D

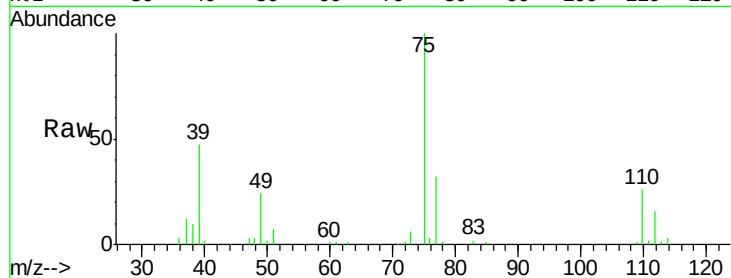
ClientSampleId :

Tot Ion: 75 Resp: 178823

Ion Ratio Lower Upper

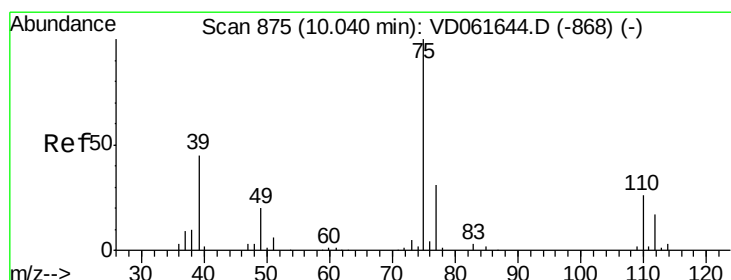
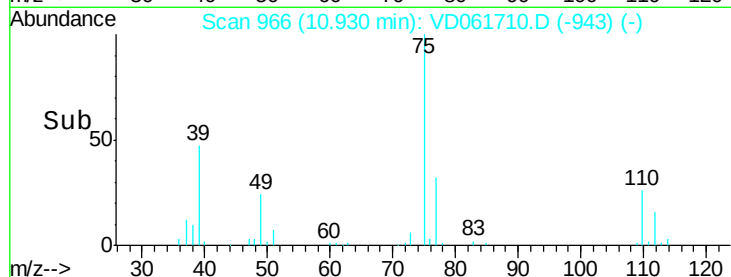
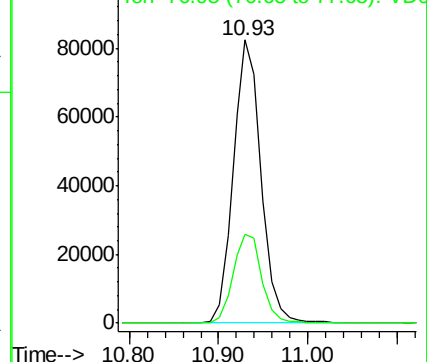
75 100

77 31.5 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.009 ug/l

RT: 10.05 min Scan# 877

Delta R.T. 0.01 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

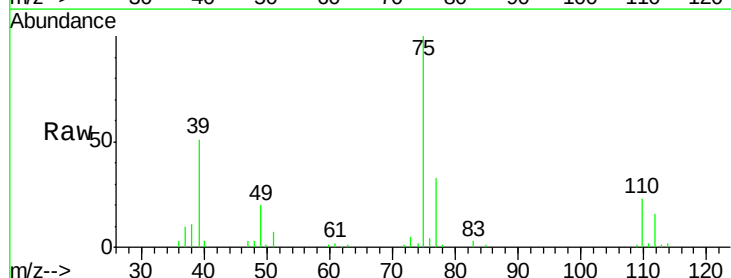
Tgt Ion: 75 Resp: 215265

Ion Ratio Lower Upper

75 100

77 33.4 24.6 37.0

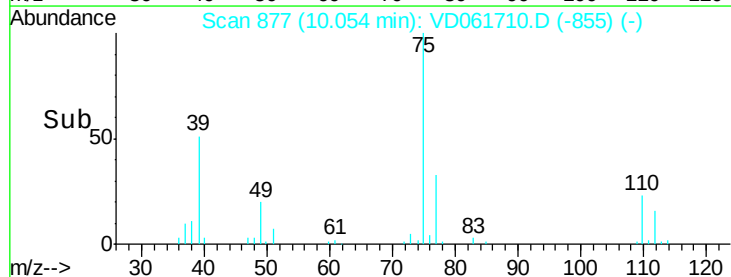
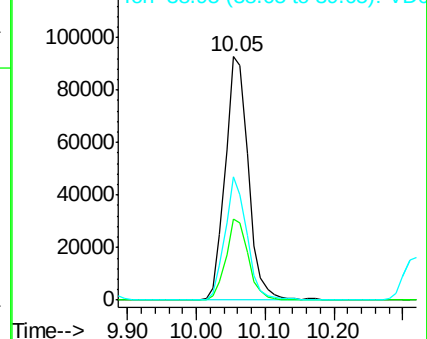
39 50.6 36.2 54.2

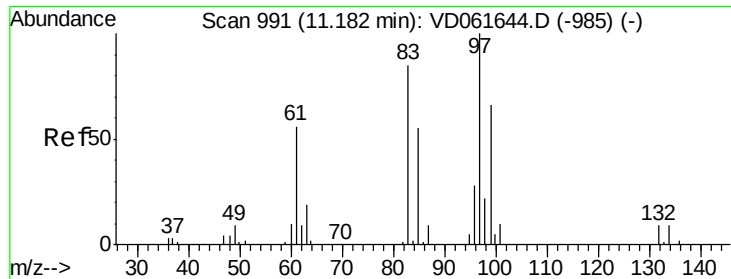


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

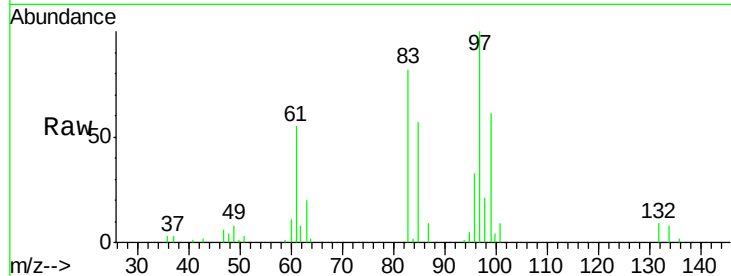




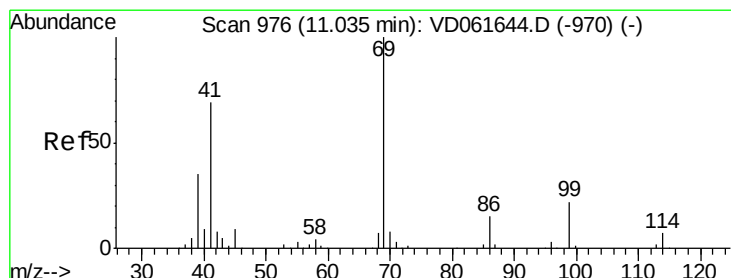
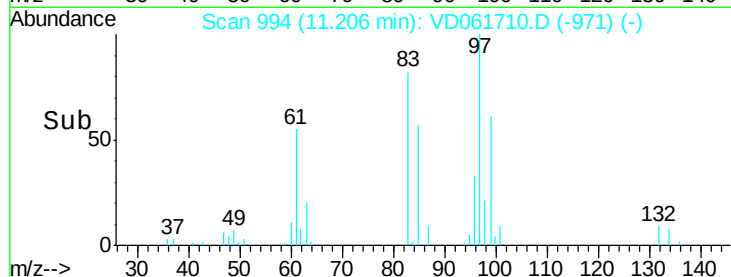
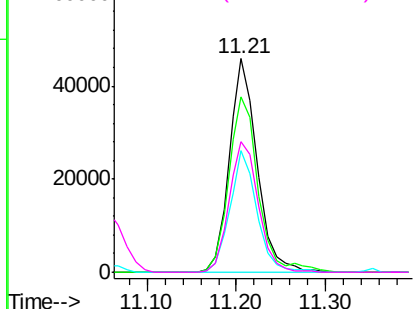
#55
 1,1,2-Trichloroethane
 Concen: 19.601 ug/l
 RT: 11.21 min Scan# 994
 Delta R.T. 0.02 min
 Lab File: VD061710.D
 Acq: 10 Apr 2019 13:54

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 100555
 Ion Ratio Lower Upper
 97 100
 83 82.0 67.8 101.6
 85 56.7 43.8 65.8
 99 61.3 52.8 79.2

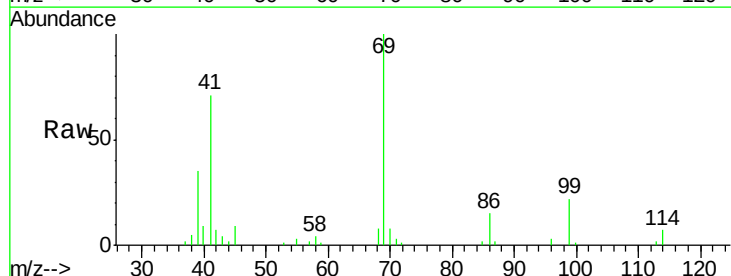


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

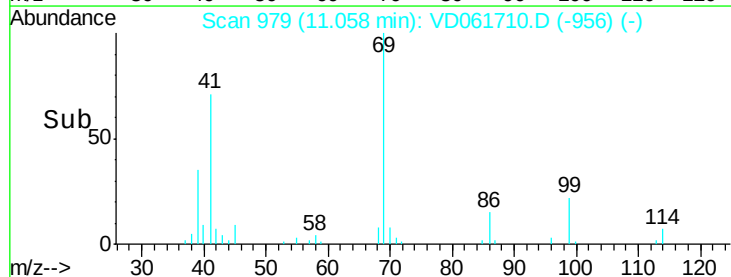
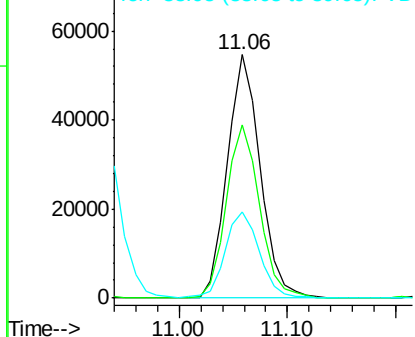


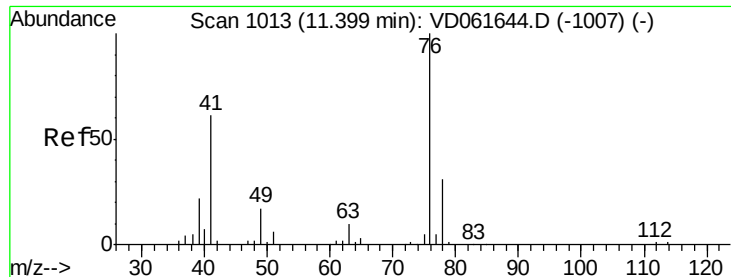
#56
 Ethyl methacrylate
 Concen: 21.355 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.02 min
 Lab File: VD061710.D
 Acq: 10 Apr 2019 13:54

Tgt Ion: 69 Resp: 115573
 Ion Ratio Lower Upper
 69 100
 41 70.9 55.2 82.8
 39 35.5 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

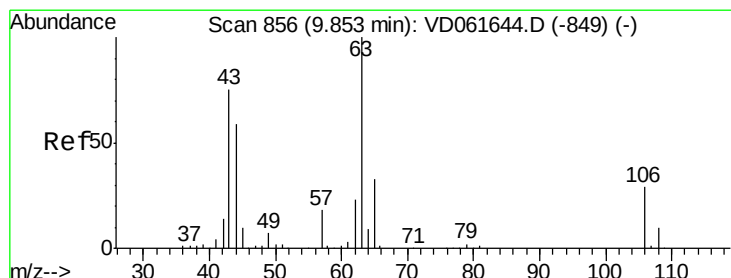
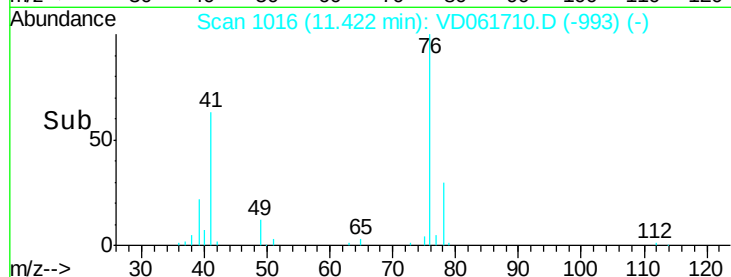
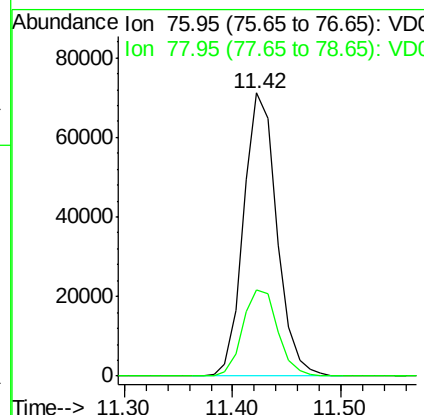
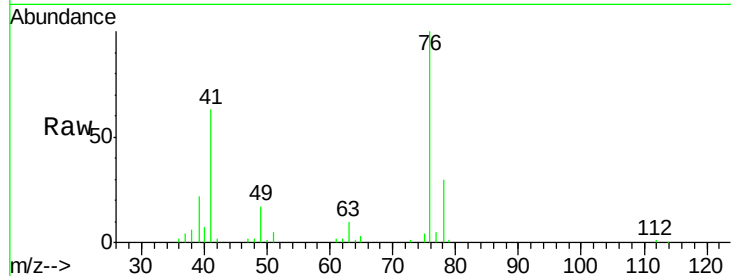




#57
 1,3-Dichloropropane
 Concen: 20.218 ug/l
 RT: 11.42 min Scan# 1016
 Delta R.T. 0.02 min
 Lab File: VD061710.D
 Acq: 10 Apr 2019 13:54

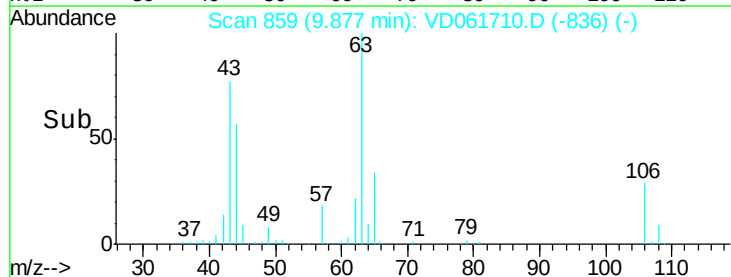
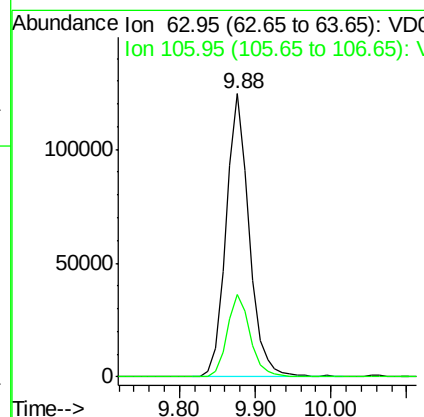
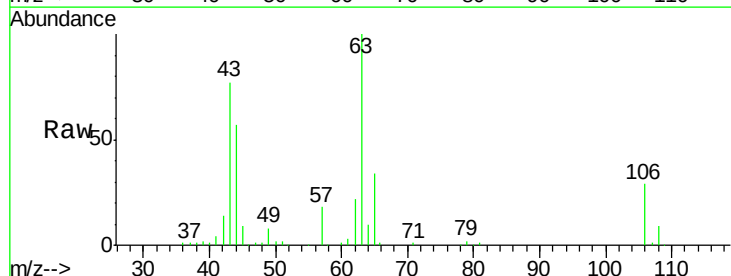
Instrument :
 MSVOA_D
 ClientSampled :

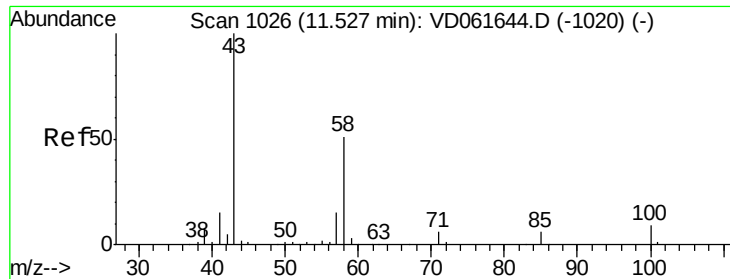
Tot Ion: 76 Resp: 151897
 Ion Ratio Lower Upper
 76 100
 78 30.4 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.161 ug/l
 RT: 9.88 min Scan# 859
 Delta R.T. 0.02 min
 Lab File: VD061710.D
 Acq: 10 Apr 2019 13:54

Tgt Ion: 63 Resp: 263430
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.0 34.6

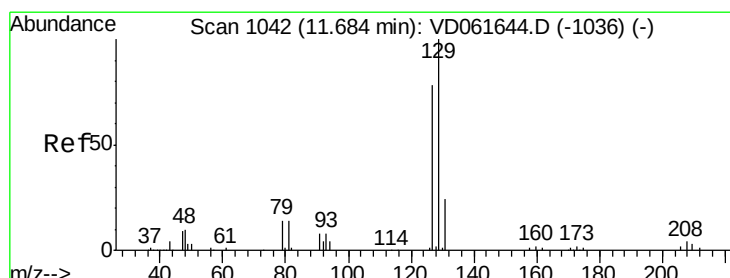
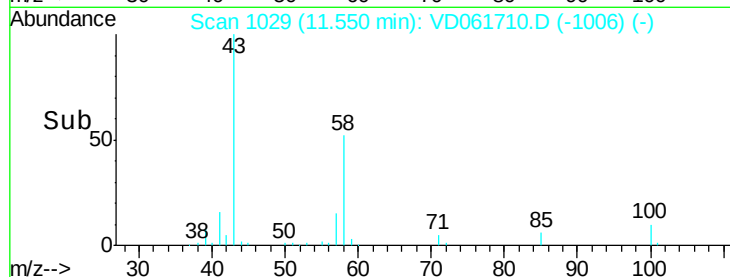
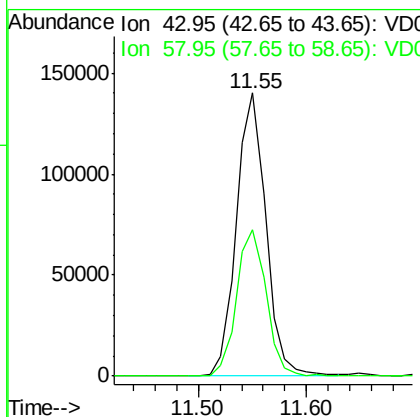
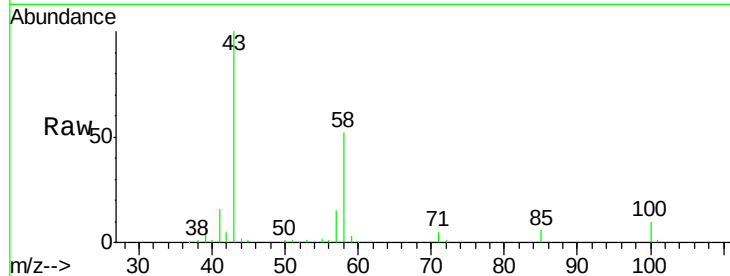




#59
2-Hexanone
Concen: 97.272 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.02 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

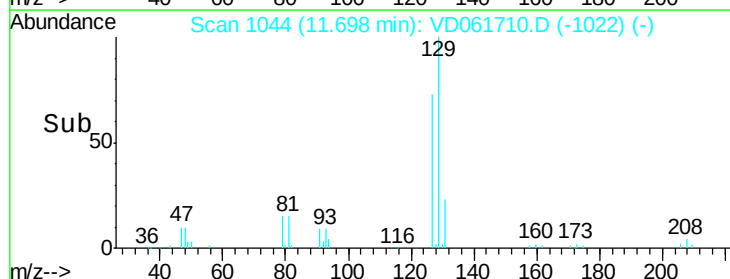
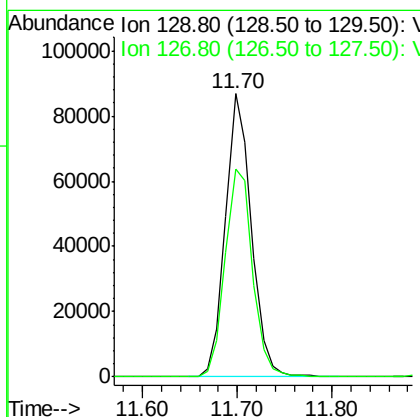
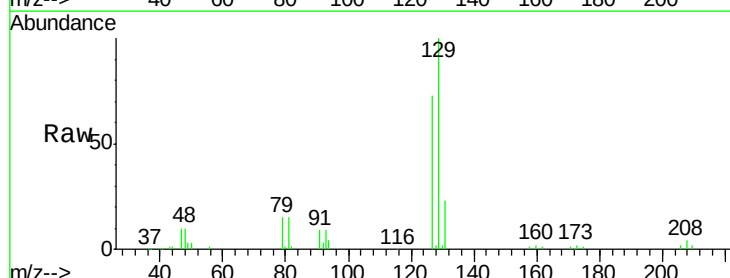
Instrument :
MSVOA_D
ClientSampleId :

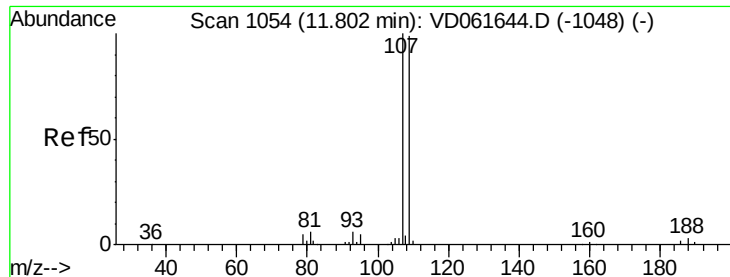
Tot Ion: 43 Resp: 266471
Ion Ratio Lower Upper
43 100
58 51.8 25.6 76.8



#60
Dibromochloromethane
Concen: 20.373 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

Tgt Ion: 129 Resp: 165123
Ion Ratio Lower Upper
129 100
127 73.4 38.8 116.4

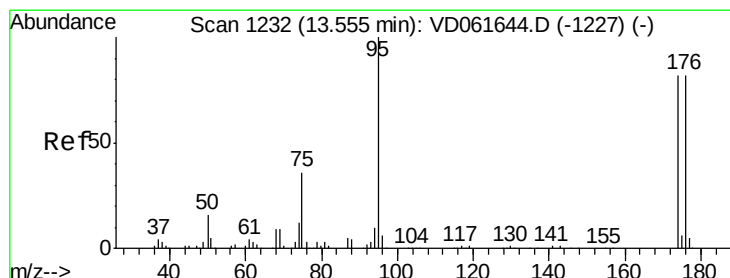
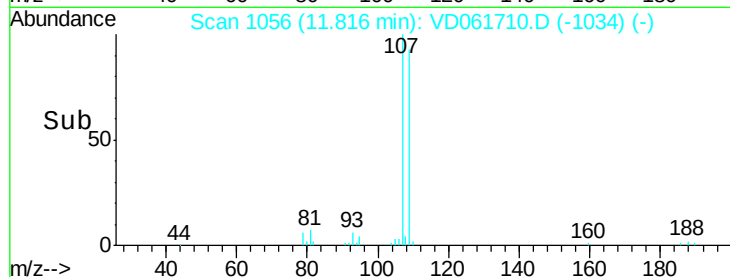
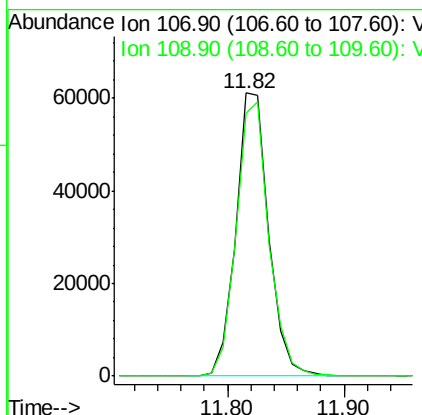
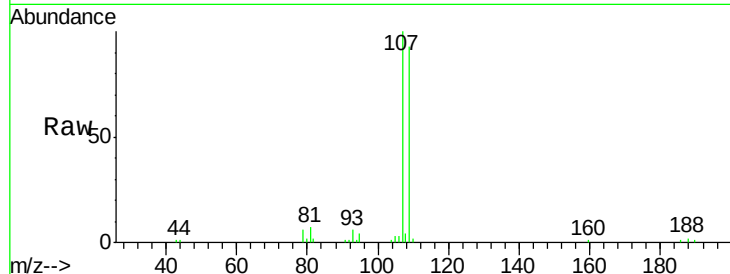




#61
 1,2-Dibromoethane
 Concen: 19.784 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VD061710.D
 Acq: 10 Apr 2019 13:54

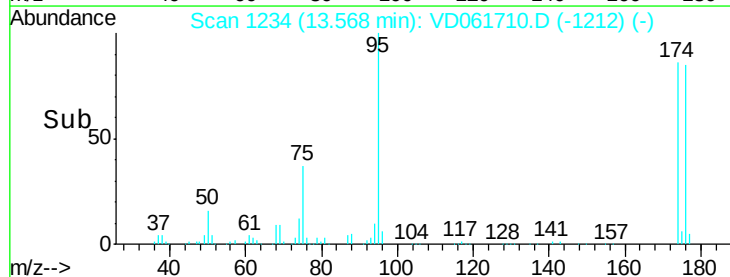
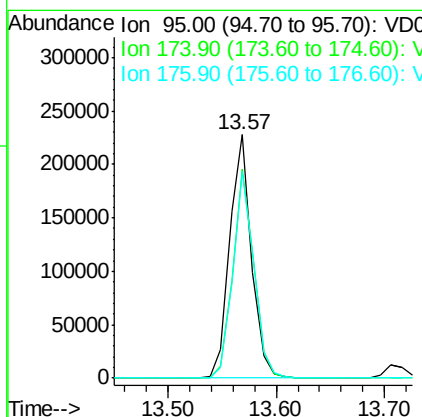
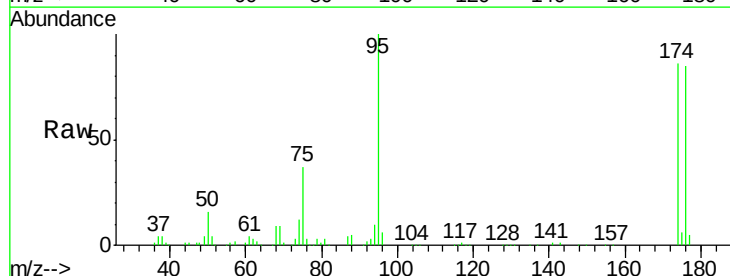
Instrument :
 MSVOA_D
 ClientSampleId :

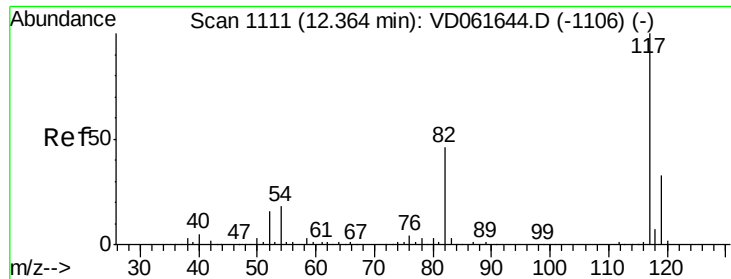
Tot Ion: 107 Resp: 118695
 Ion Ratio Lower Upper
 107 100
 109 92.7 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 19.784 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.01 min
 Lab File: VD061710.D
 Acq: 10 Apr 2019 13:54

Tgt Ion: 95 Resp: 317042
 Ion Ratio Lower Upper
 95 100
 174 86.0 0.0 164.6
 176 85.0 0.0 165.0

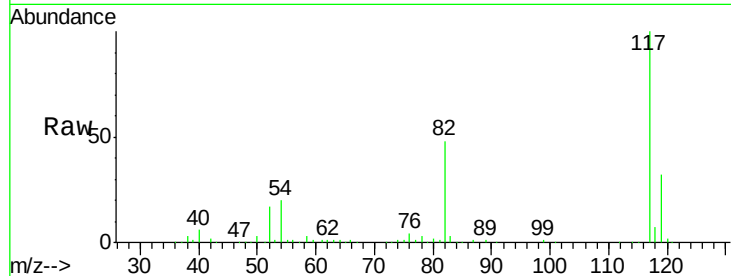




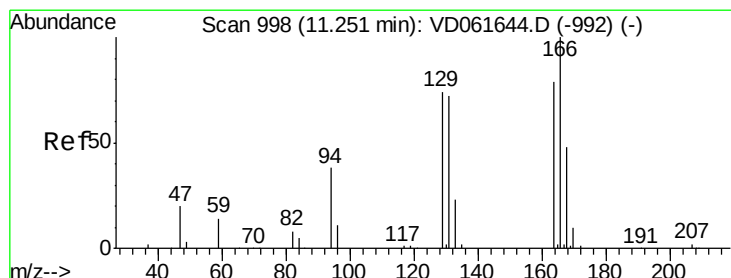
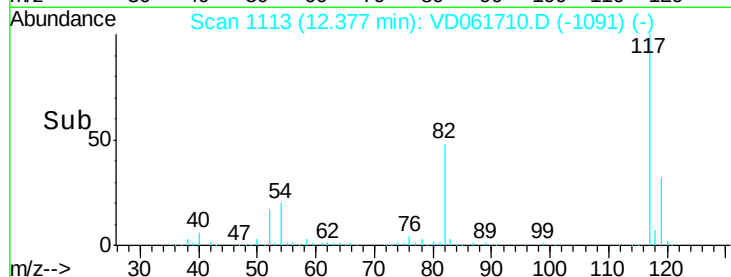
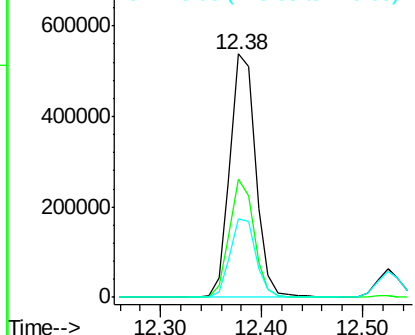
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 953112
Ion Ratio Lower Upper
117 100
82 48.3 36.8 55.2
119 32.3 26.1 39.1

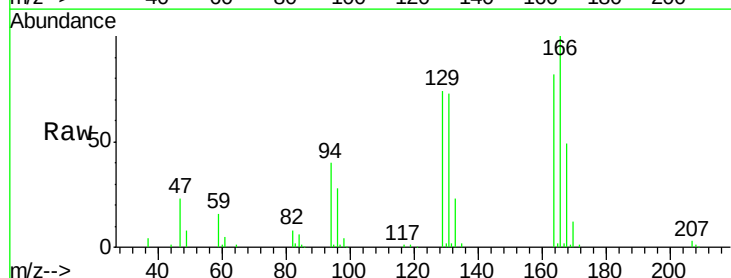


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

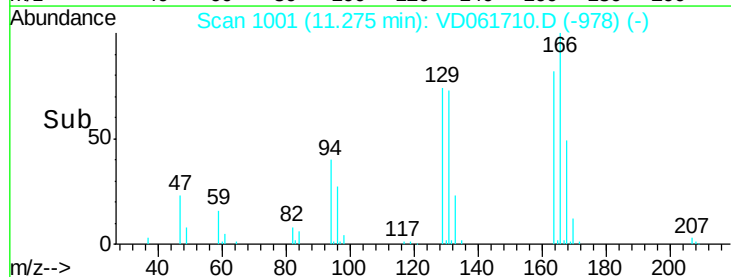
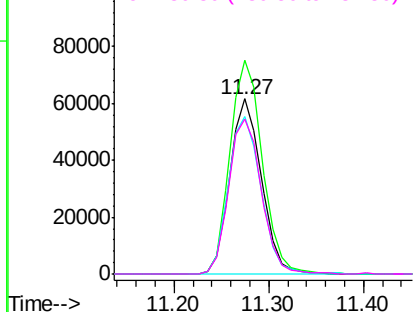


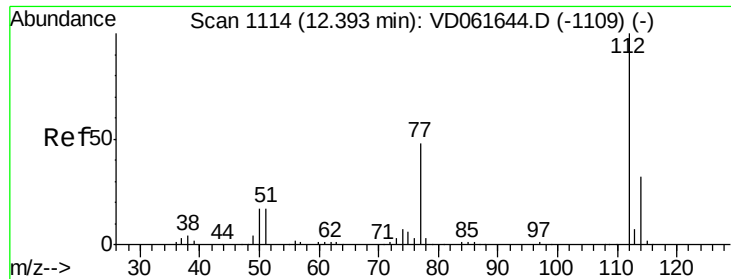
#64
Tetrachloroethene
Concen: 19.279 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. 0.02 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

Tgt Ion:164 Resp: 142637
Ion Ratio Lower Upper
164 100
166 121.9 101.8 152.8
129 89.9 75.4 113.0
131 88.4 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

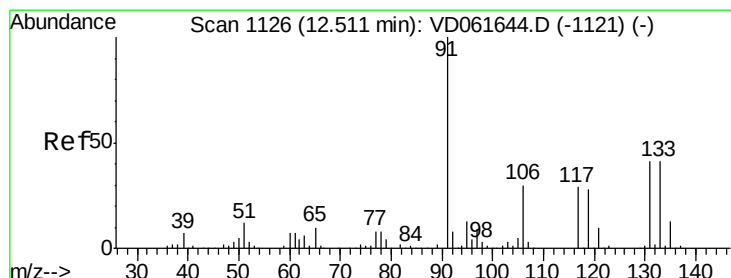
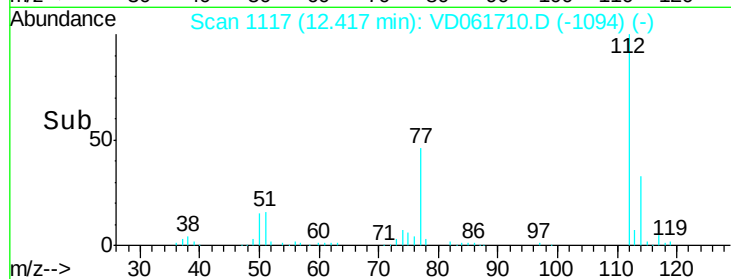
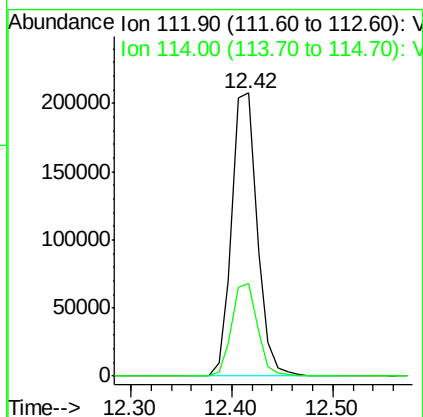
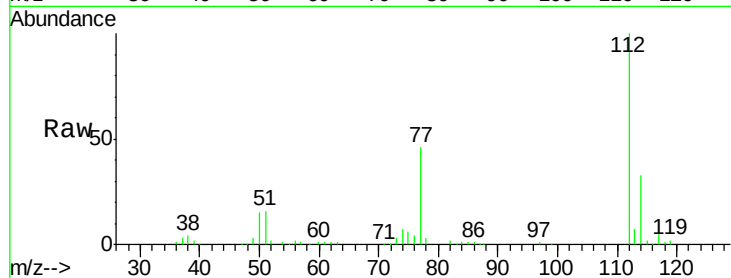




#65
Chlorobenzene
Concen: 19.359 ug/l
RT: 12.42 min Scan# 1117
Delta R.T. 0.02 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

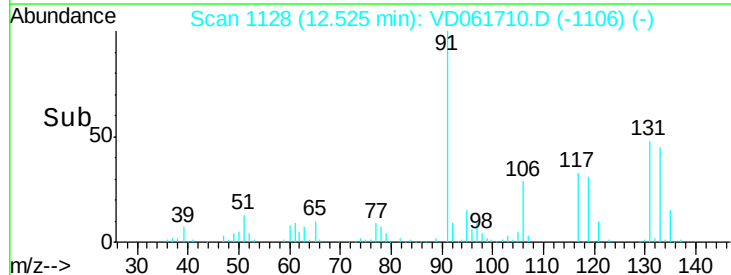
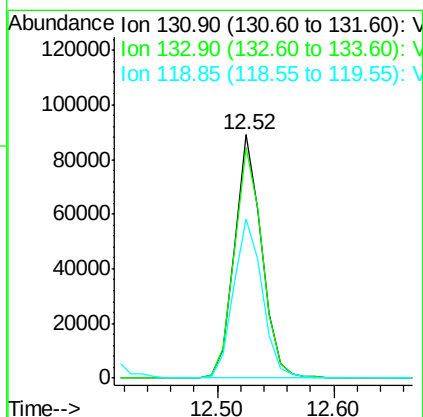
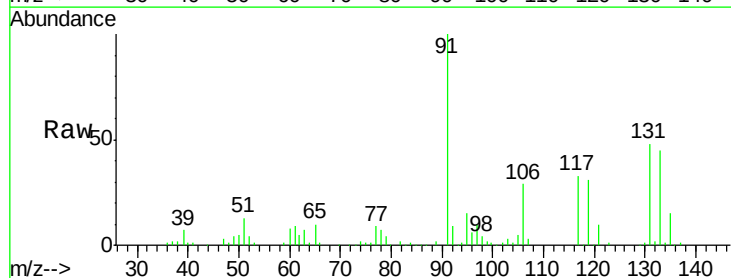
Instrument :
MSVOA_D
ClientSampleId :

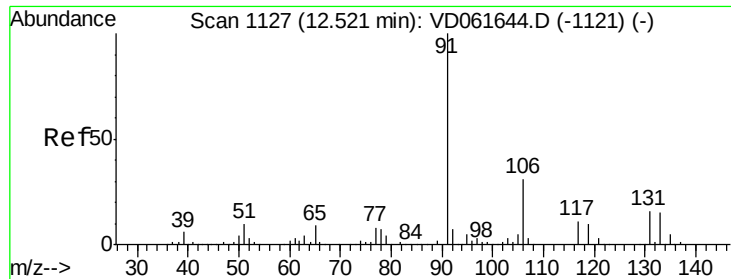
Tot Ion:112 Resp: 365918
Ion Ratio Lower Upper
112 100
114 32.8 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.684 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

Tgt Ion:131 Resp: 143168
Ion Ratio Lower Upper
131 100
133 94.7 49.5 148.3
119 65.4 34.7 104.1

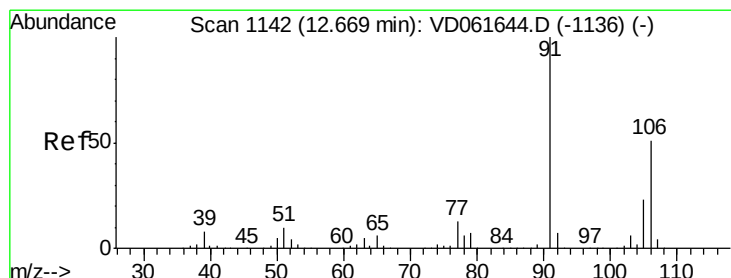
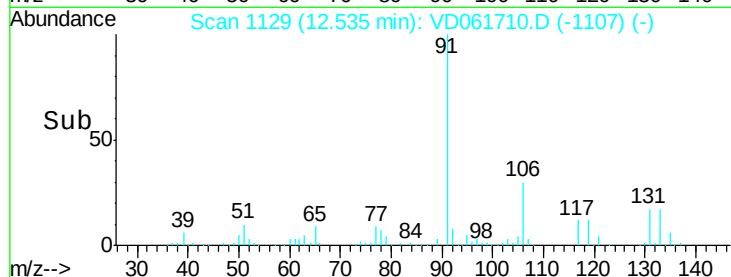
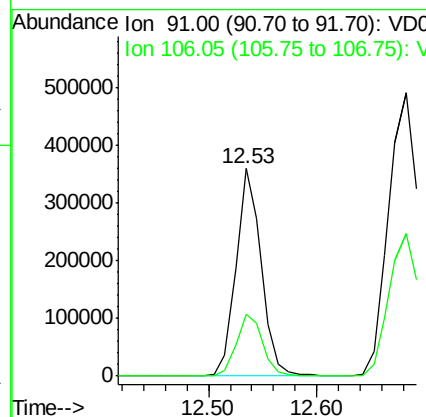
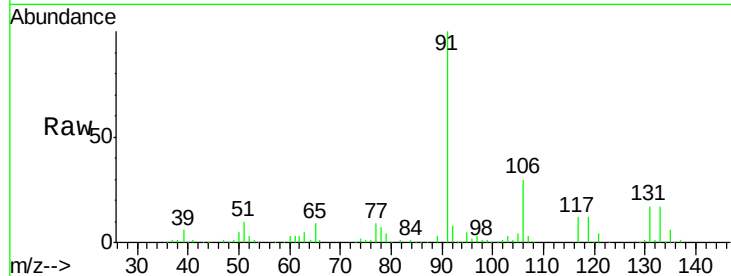




#67
Ethyl Benzene
Concen: 20.176 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

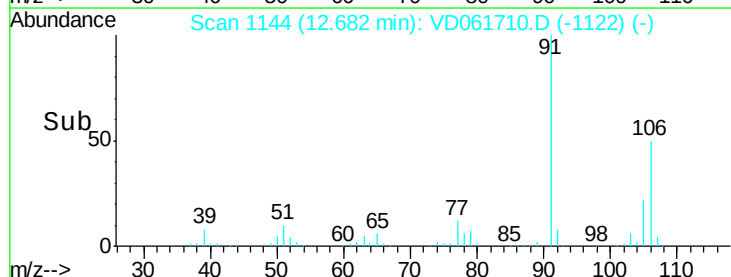
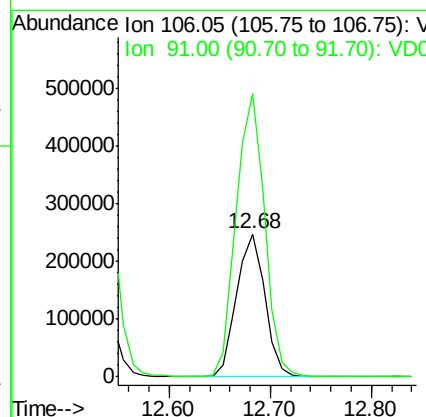
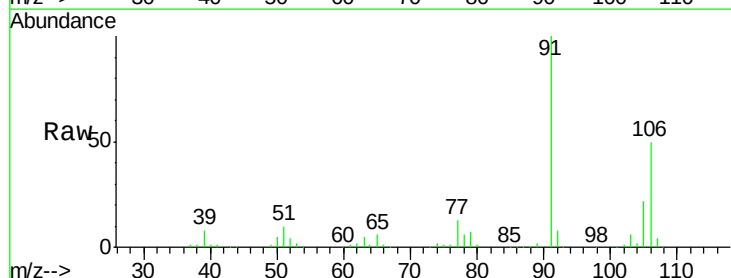
Instrument :
MSVOA_D
ClientSampleId :

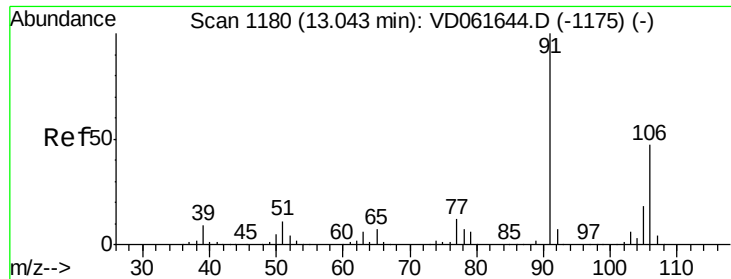
Tot Ion: 91 Resp: 580721
Ion Ratio Lower Upper
91 100
106 29.5 24.6 37.0



#68
m/p-Xylenes
Concen: 43.724 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

Tgt Ion: 106 Resp: 485185
Ion Ratio Lower Upper
106 100
91 198.3 156.7 235.1

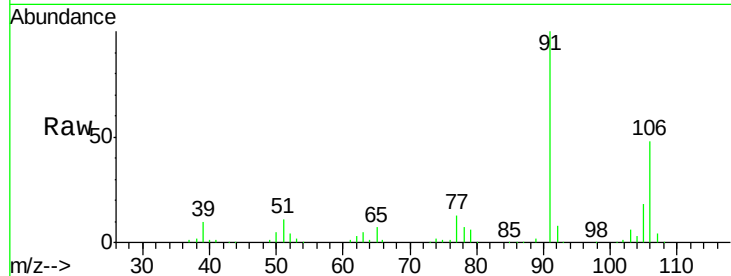




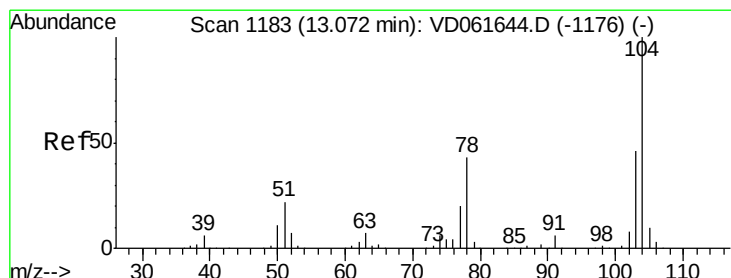
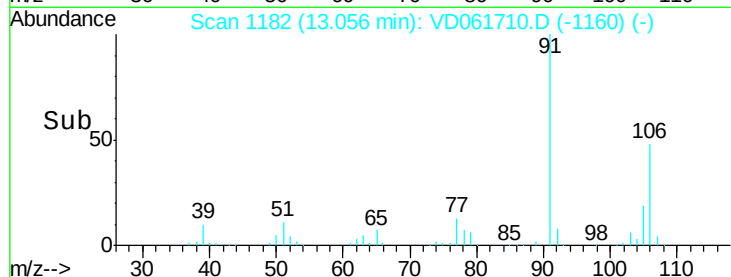
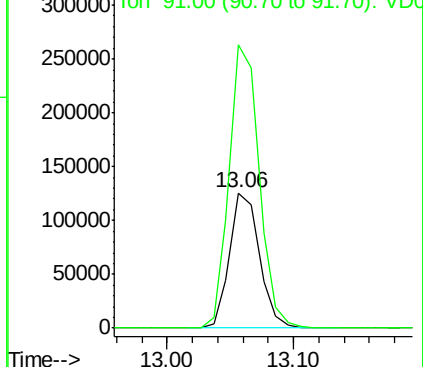
#69
o-Xylene
Concen: 19.128 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 204888
Ion Ratio Lower Upper
106 100
91 208.8 107.3 321.9

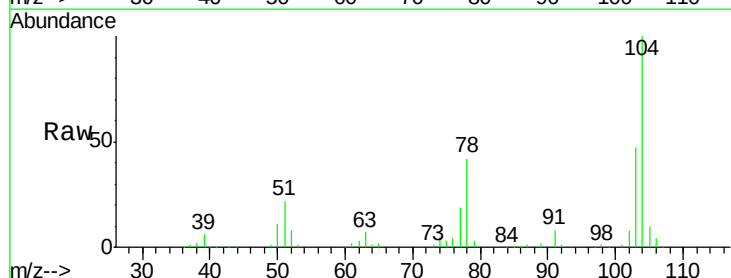


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

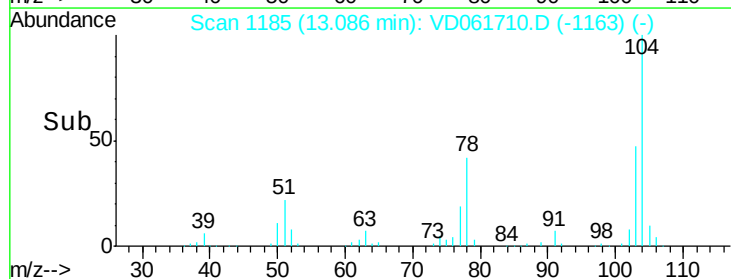
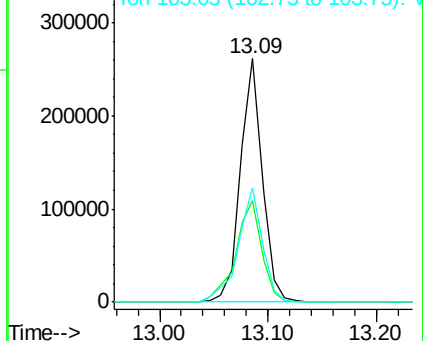


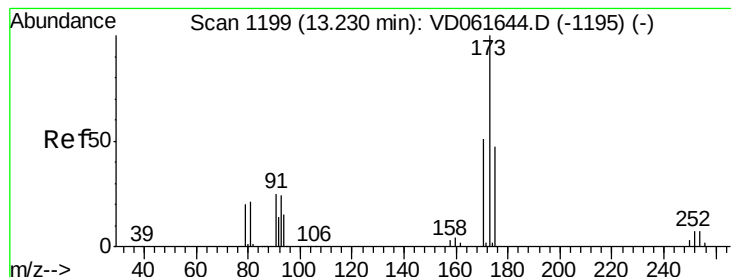
#70
Styrene
Concen: 20.088 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

Tgt Ion:104 Resp: 367461
Ion Ratio Lower Upper
104 100
78 41.8 34.2 51.4
103 46.9 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: 20.245 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

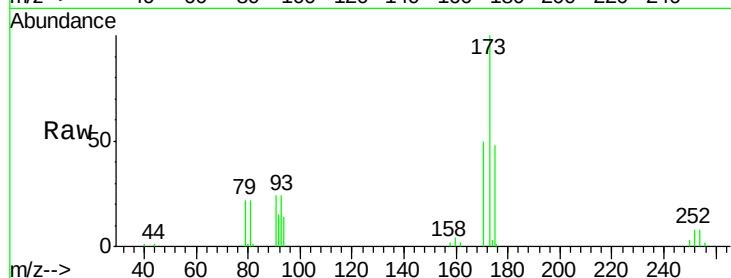
Tot Ion:173 Resp: 91362

Ion Ratio Lower Upper

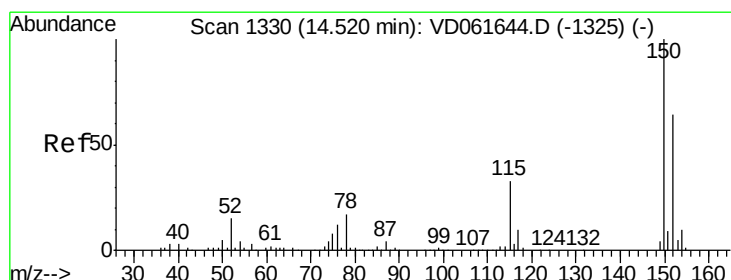
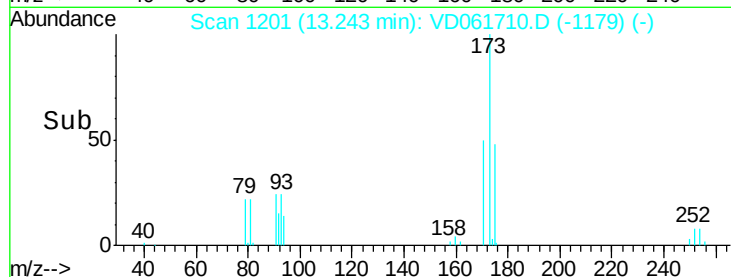
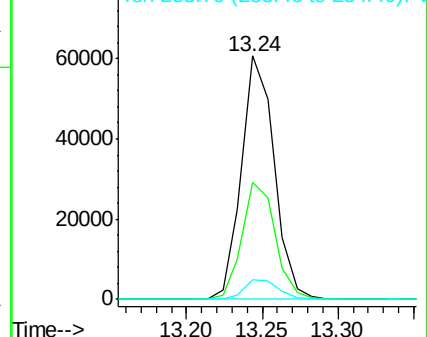
173 100

175 48.2 23.7 71.1

254 8.0 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: VD061710.D

Acq: 10 Apr 2019 13:54

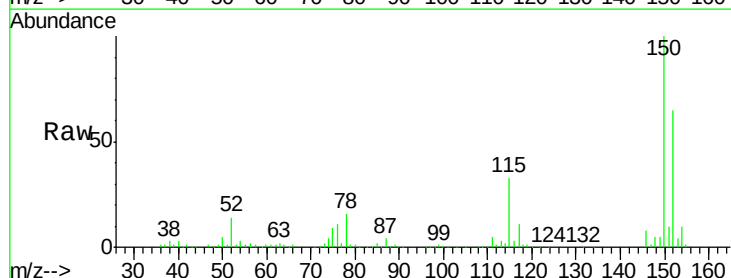
Tgt Ion:152 Resp: 449370

Ion Ratio Lower Upper

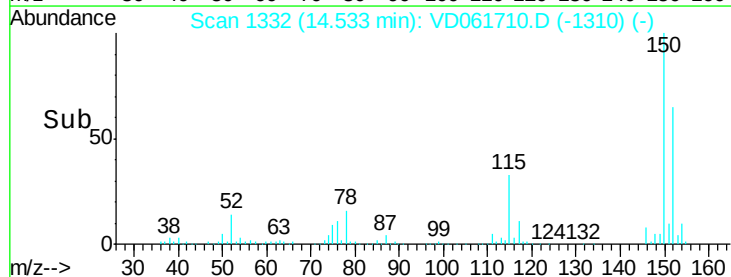
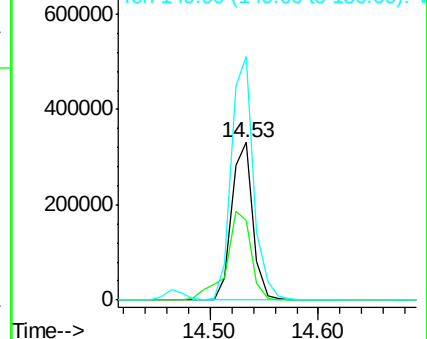
152 100

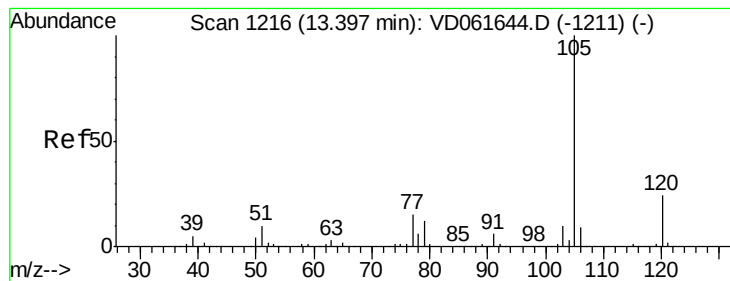
115 51.1 26.4 79.2

150 154.8 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: 19.757 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

Instrument :

MSVOA_D

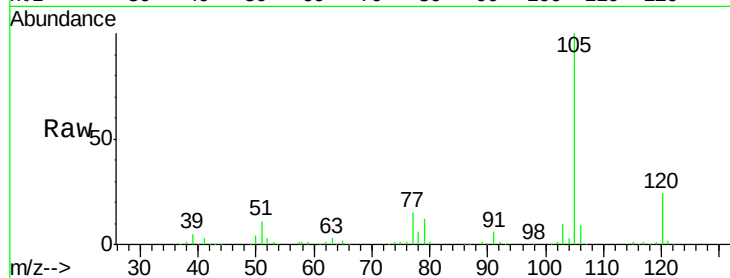
ClientSampleId :

Tot Ion:105 Resp: 591575

Ion Ratio Lower Upper

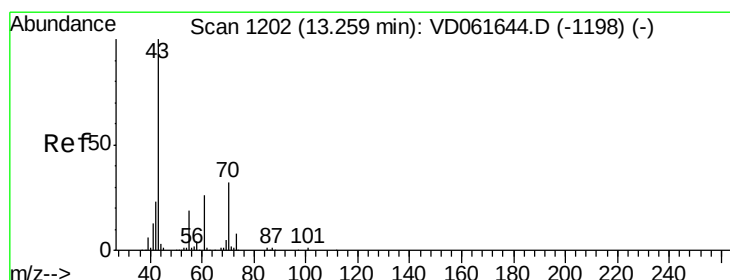
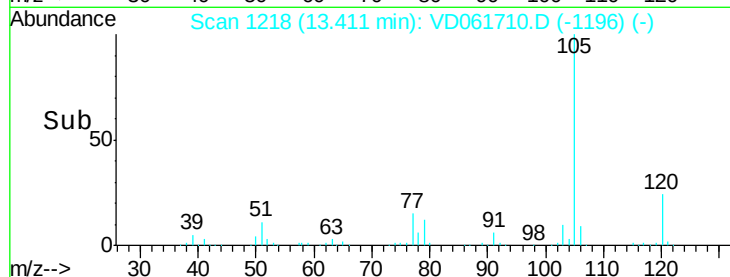
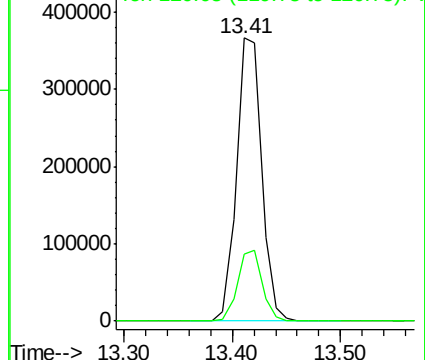
105 100

120 23.7 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.209 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

Tgt Ion: 43 Resp: 156275

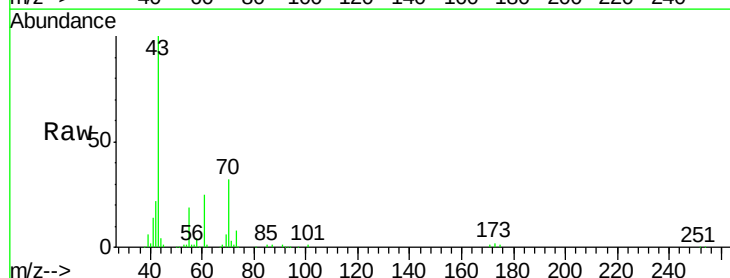
Ion Ratio Lower Upper

43 100

70 32.4 25.4 38.2

55 19.4 15.0 22.4

61 25.5 20.9 31.3

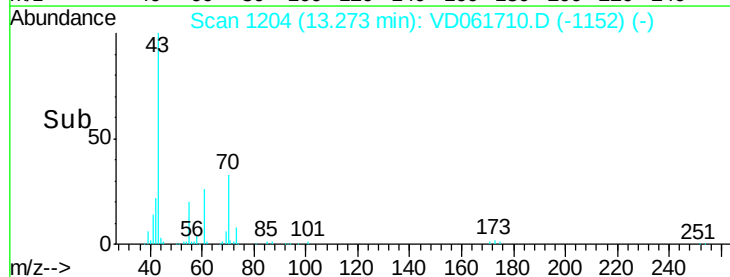
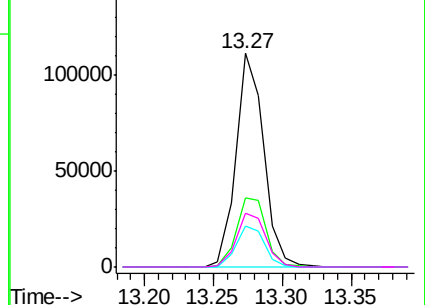


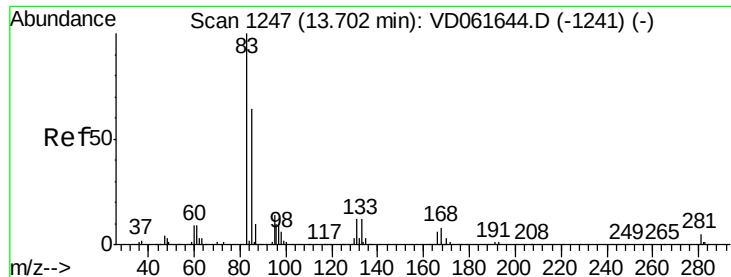
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 17.532 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

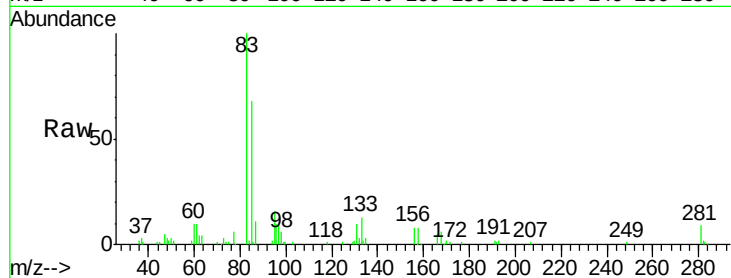
Tot Ion: 83 Resp: 108539

Ion Ratio Lower Upper

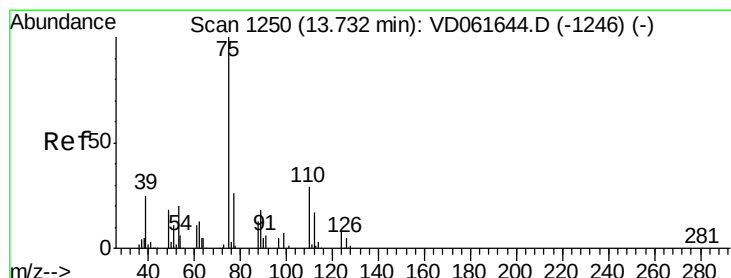
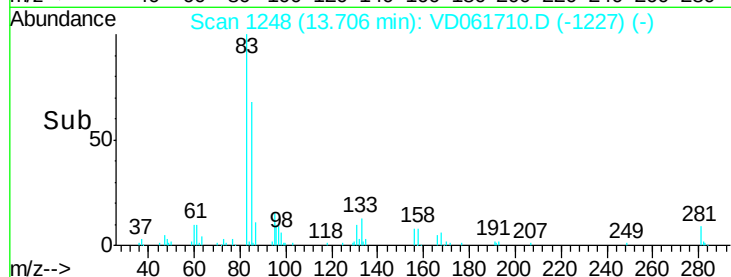
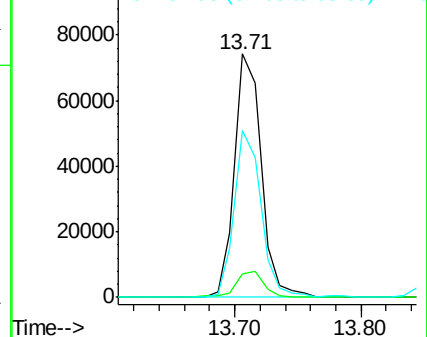
83 100

131 9.8 5.9 17.6

85 68.5 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: 18.664 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VD061710.D

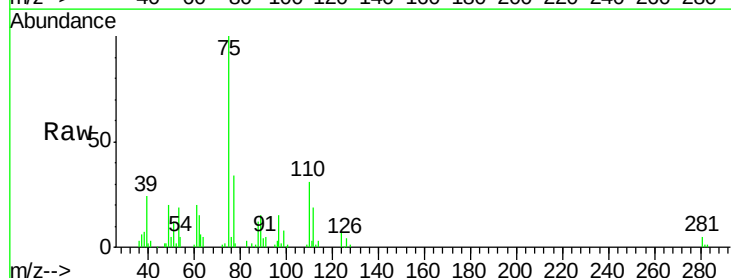
Acq: 10 Apr 2019 13:54

Tgt Ion: 75 Resp: 114105

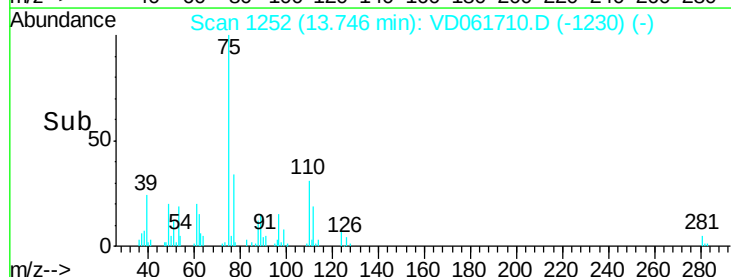
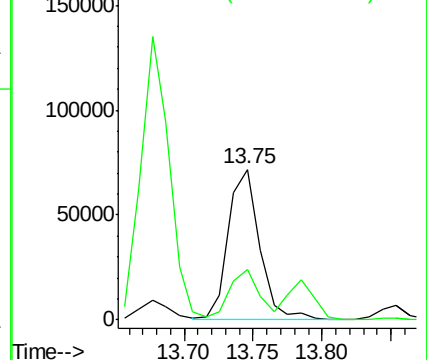
Ion Ratio Lower Upper

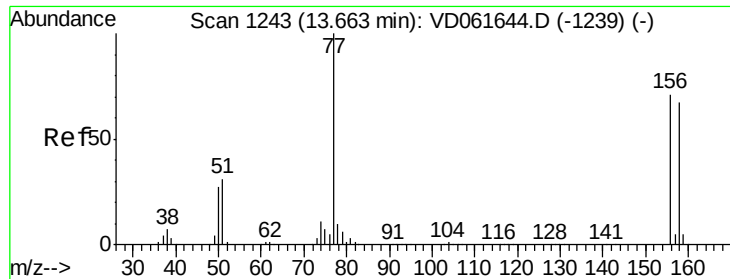
75 100

77 33.7 15.7 47.1



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





#77

Bromobenzene

Concen: 18.592 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD061710.D

Acq: 10 Apr 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

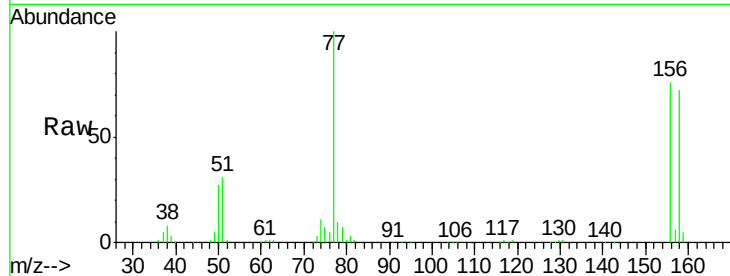
Tot Ion:156 Resp: 161586

Ion Ratio Lower Upper

156 100

77 131.3 70.3 210.8

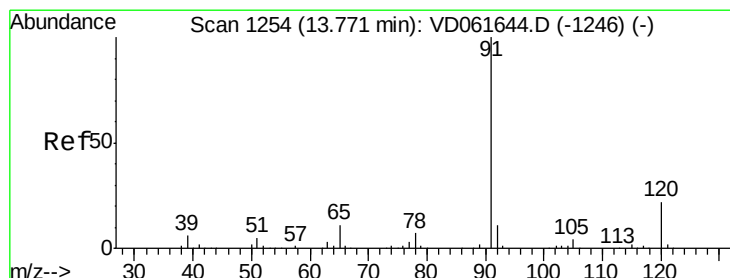
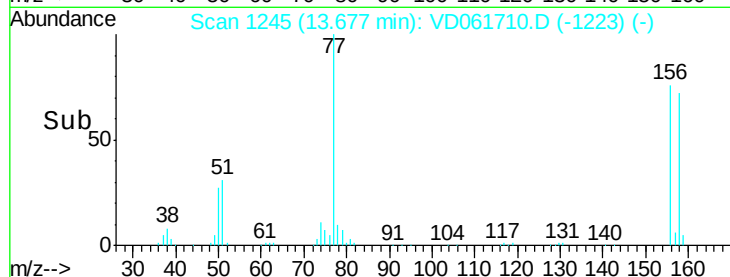
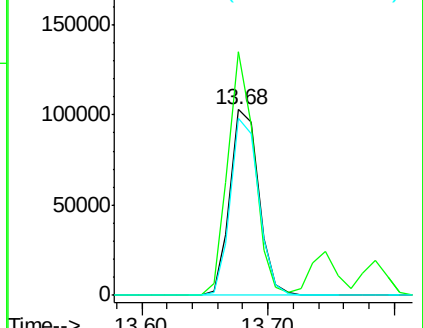
158 95.2 47.4 142.2



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: 20.201 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD061710.D

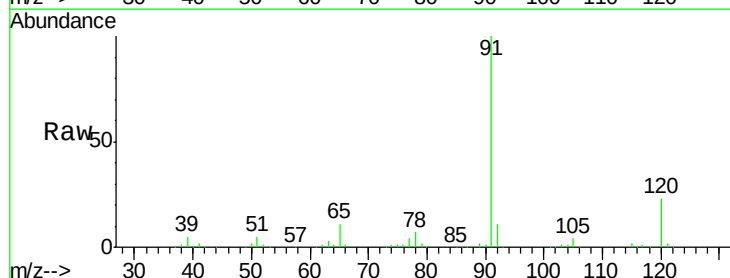
Acq: 10 Apr 2019 13:54

Tgt Ion: 91 Resp: 723547

Ion Ratio Lower Upper

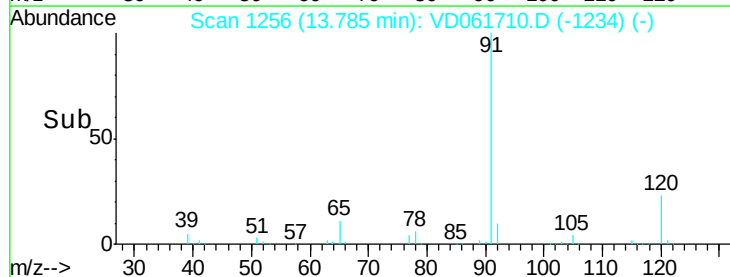
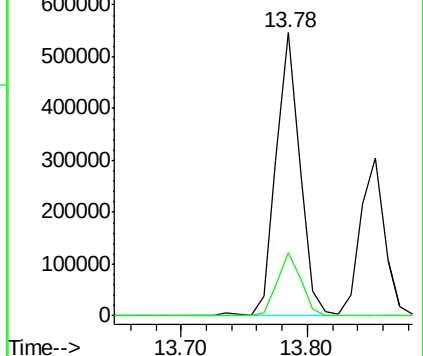
91 100

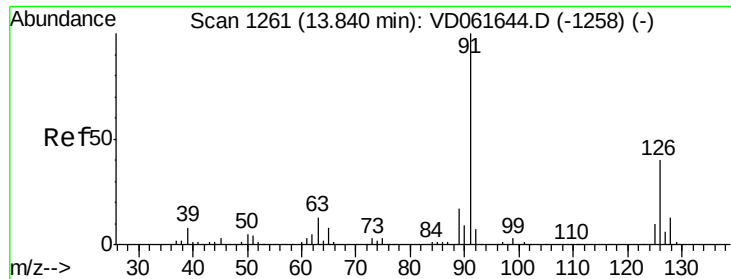
120 22.5 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

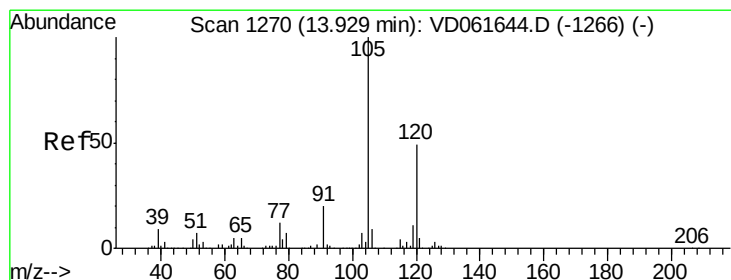
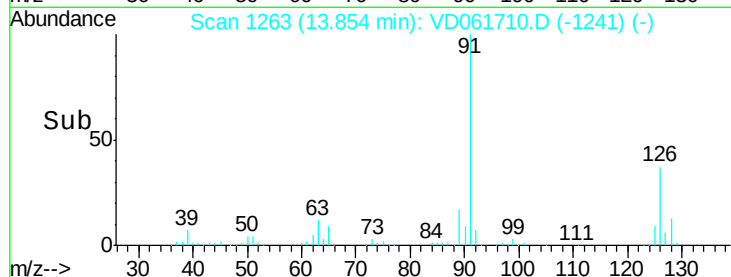
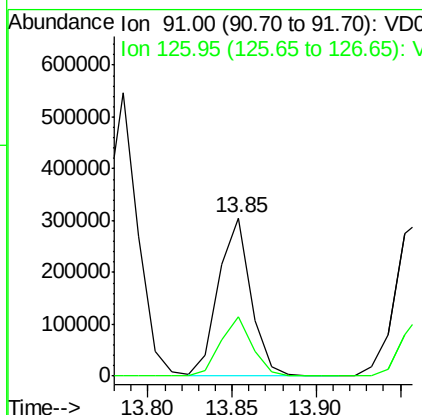
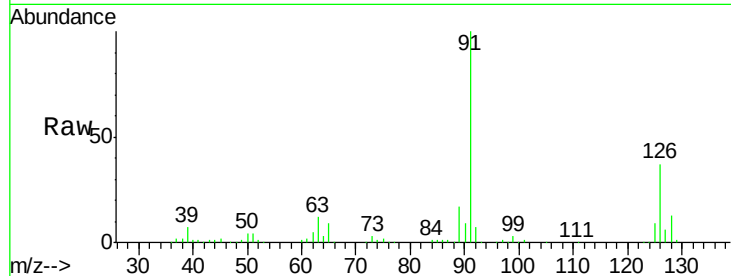




#79
 2-Chlorotoluene
 Concen: 19.819 ug/l
 RT: 13.85 min Scan# 1263
 Delta R.T. 0.01 min
 Lab File: VD061710.D
 Acq: 10 Apr 2019 13:54

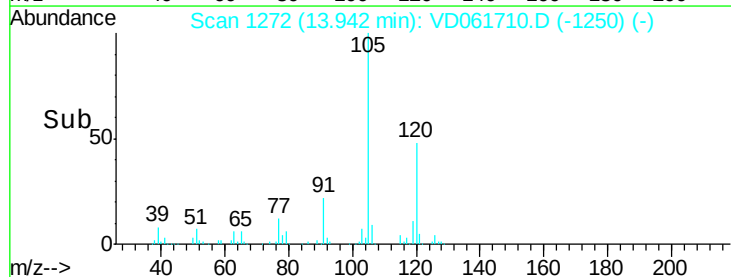
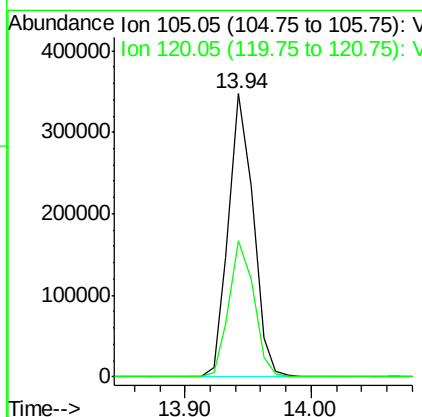
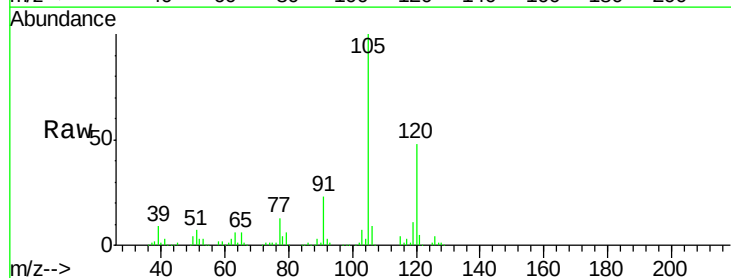
Instrument :
 MSVOA_D
 ClientSampleId :

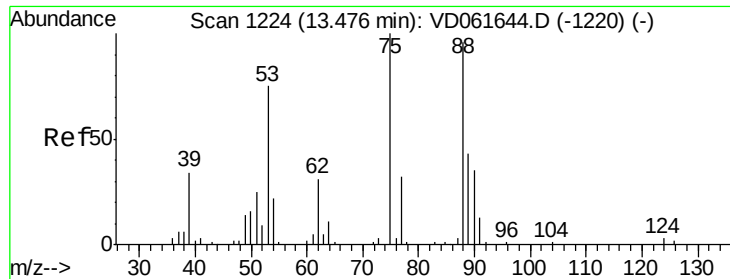
Tot Ion: 91 Resp: 405934
 Ion Ratio Lower Upper
 91 100
 126 37.3 20.0 59.9



#80
 1,3,5-Trimethylbenzene
 Concen: 19.801 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD061710.D
 Acq: 10 Apr 2019 13:54

Tgt Ion: 105 Resp: 470576
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.4 73.2

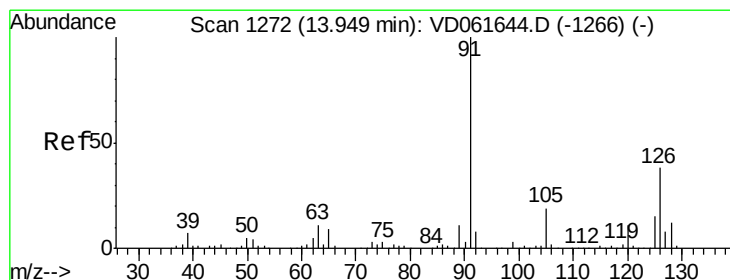
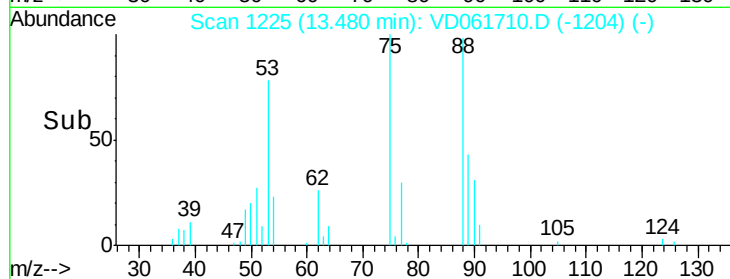
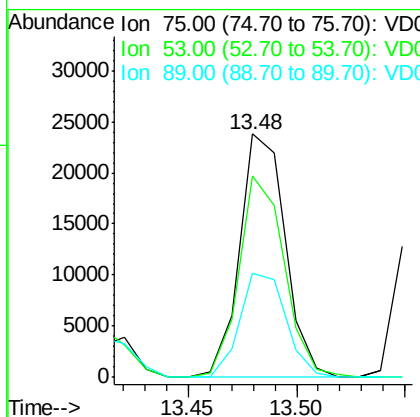
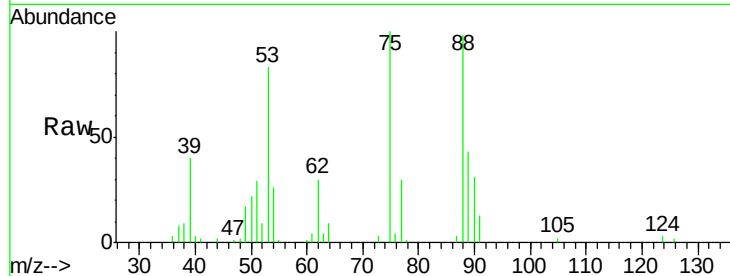




#81
trans-1,4-Dichloro-2-butene
Concen: 18.723 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

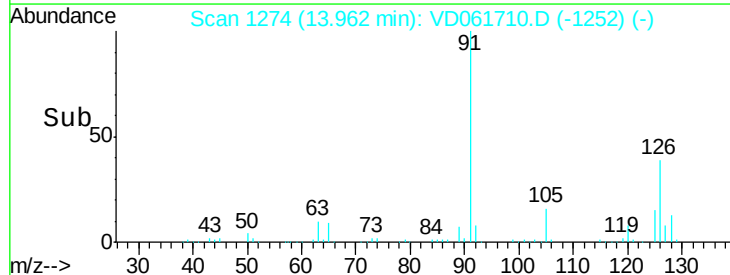
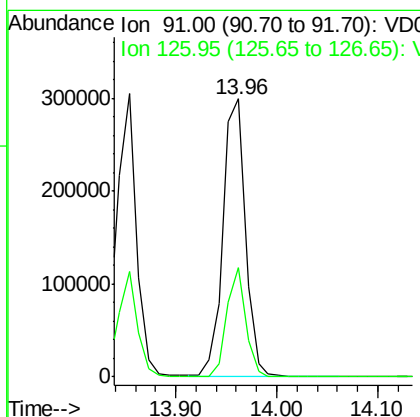
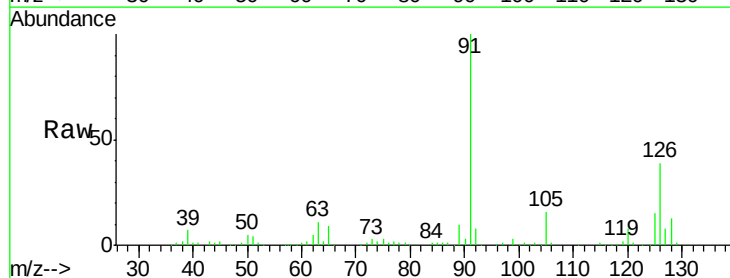
Instrument :
MSVOA_D
ClientSampled :

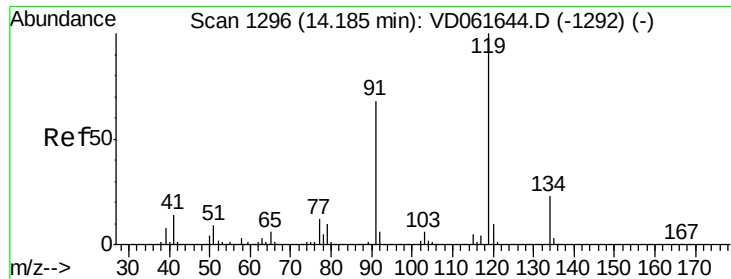
Tot Ion: 75 Resp: 34736
Ion Ratio Lower Upper
75 100
53 82.7 60.2 90.2
89 42.6 34.2 51.2



#82
4-Chlorotoluene
Concen: 20.725 ug/l
RT: 13.96 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

Tgt Ion: 91 Resp: 465148
Ion Ratio Lower Upper
91 100
126 39.4 19.0 57.0

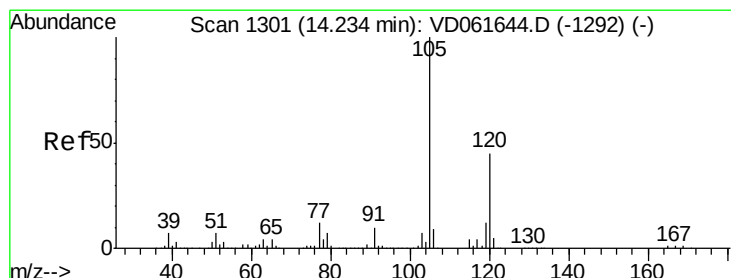
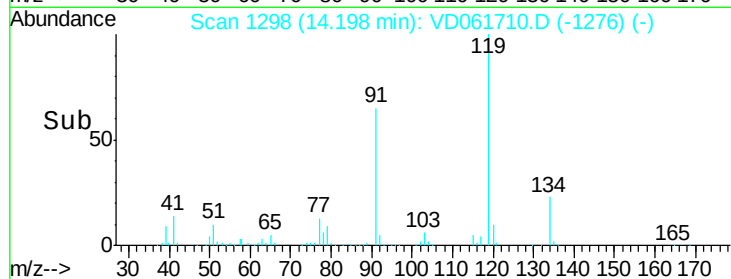
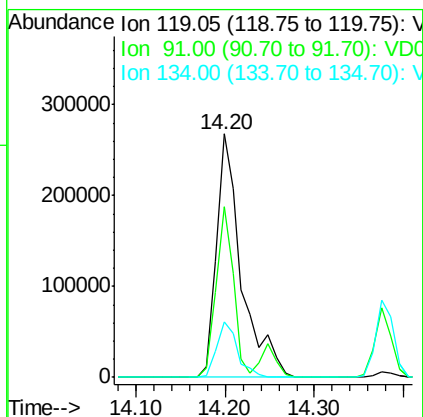
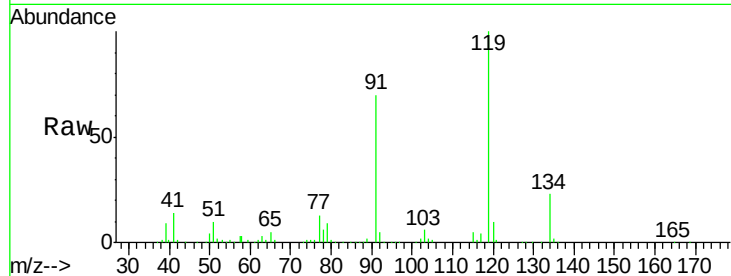




#83
 tert-Butylbenzene
 Concen: 18.310 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: VD061710.D
 Acq: 10 Apr 2019 13:54

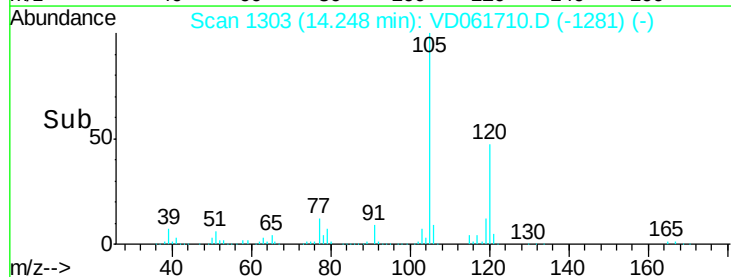
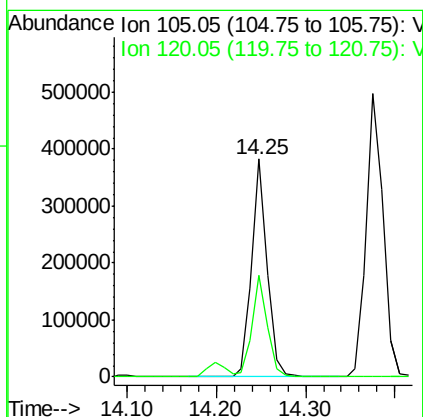
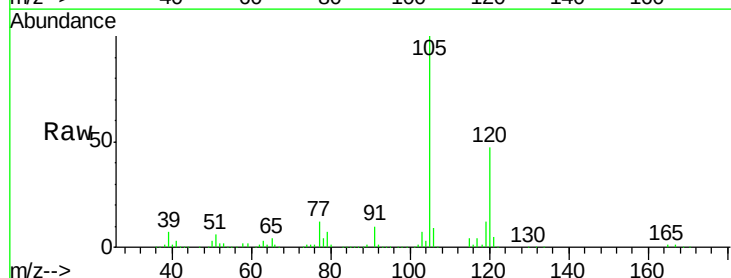
Instrument :
 MSVOA_D
 ClientSampleId :

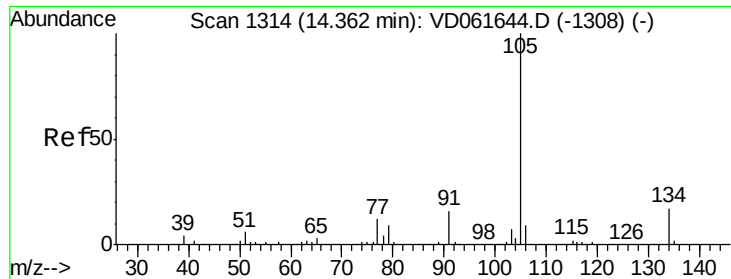
Tot Ion:119 Resp: 524667
 Ion Ratio Lower Upper
 119 100
 91 69.9 33.9 101.6
 134 22.9 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 19.083 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.01 min
 Lab File: VD061710.D
 Acq: 10 Apr 2019 13:54

Tgt Ion:105 Resp: 457718
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.6 67.8

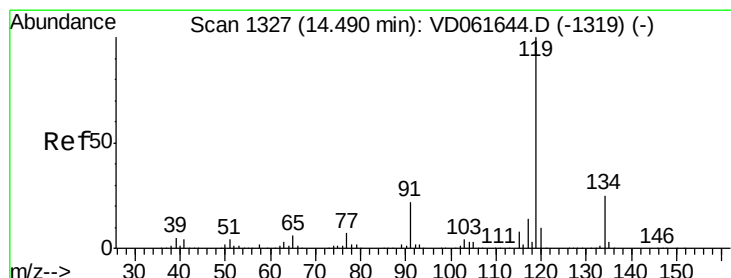
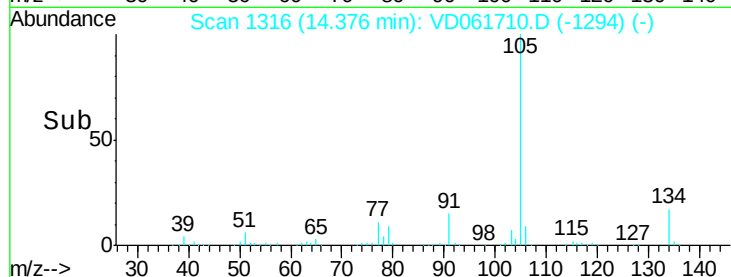
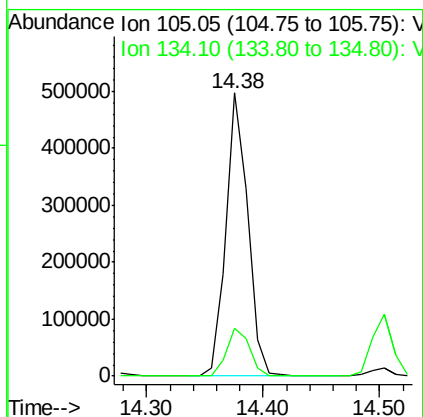
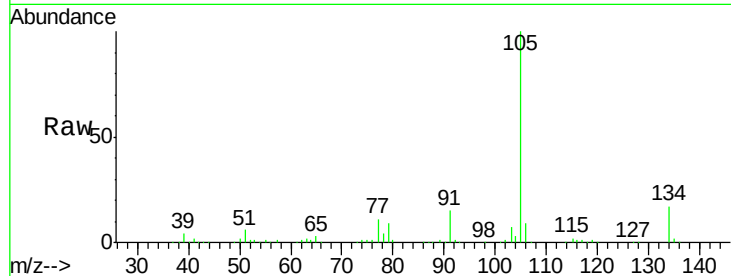




#85
 sec-Butylbenzene
 Concen: 20.831 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD061710.D
 Acq: 10 Apr 2019 13:54

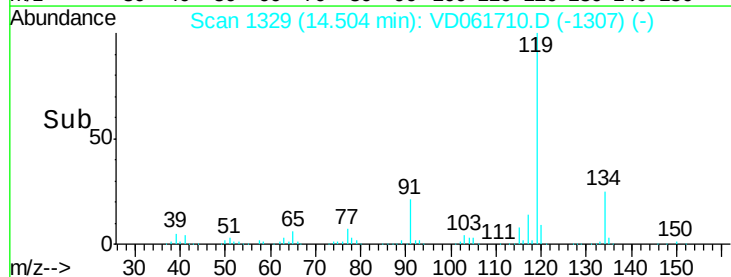
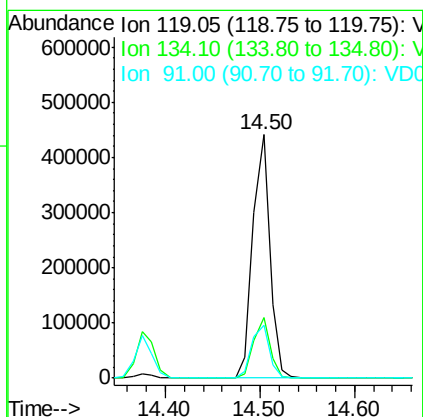
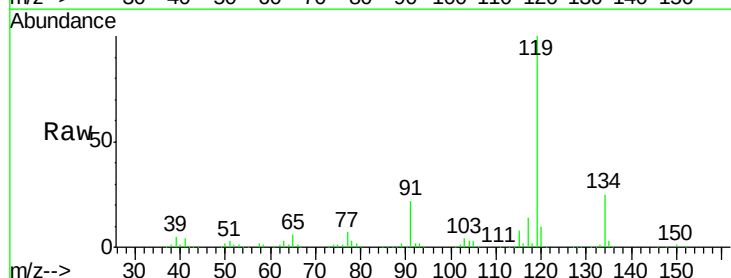
Instrument :
 MSVOA_D
 ClientSampled :

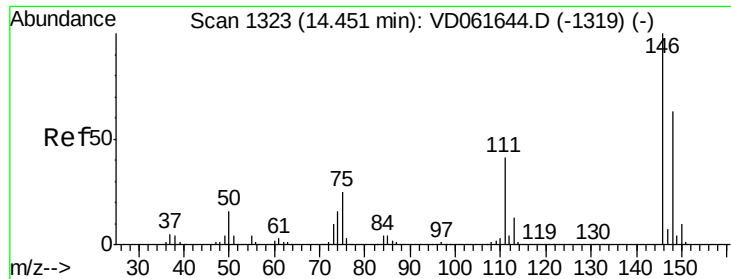
Tot Ion:105 Resp: 644882
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.6 25.7



#86
 p-Isopropyltoluene
 Concen: 20.614 ug/l
 RT: 14.50 min Scan# 1329
 Delta R.T. 0.01 min
 Lab File: VD061710.D
 Acq: 10 Apr 2019 13:54

Tgt Ion:119 Resp: 553629
 Ion Ratio Lower Upper
 119 100
 134 24.9 12.5 37.5
 91 21.5 11.0 33.0

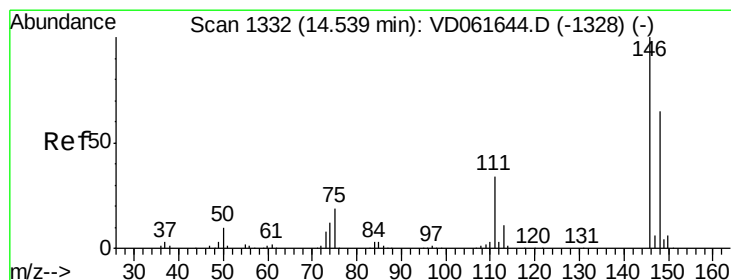
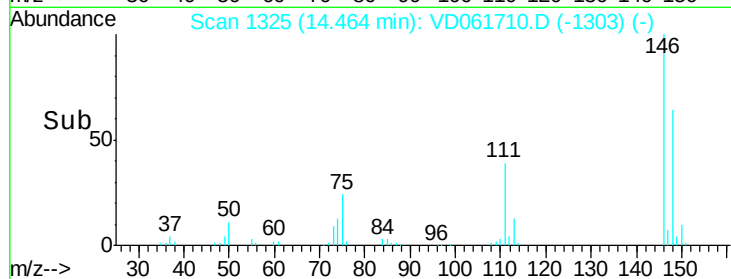
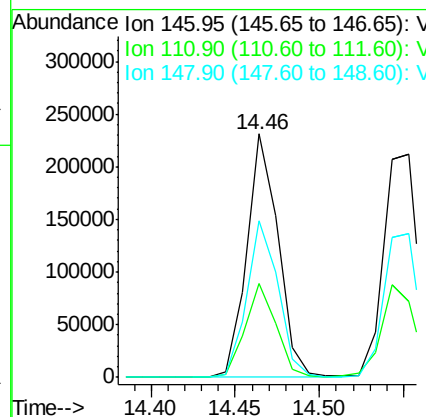
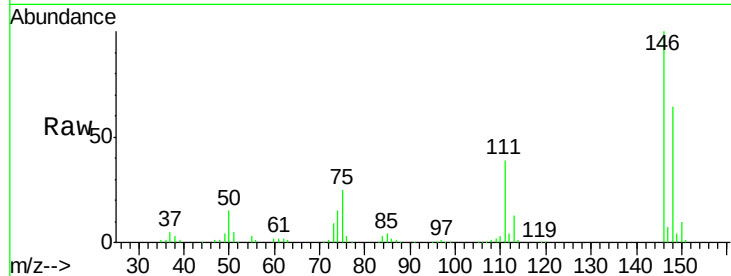




#87
 1,3-Dichlorobenzene
 Concen: 20.008 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD061710.D
 Acq: 10 Apr 2019 13:54

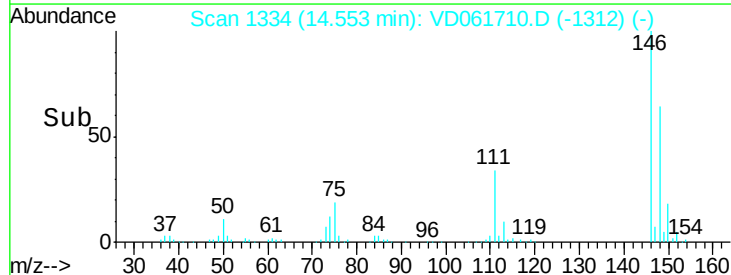
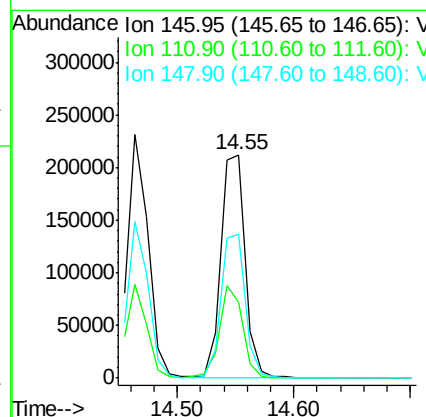
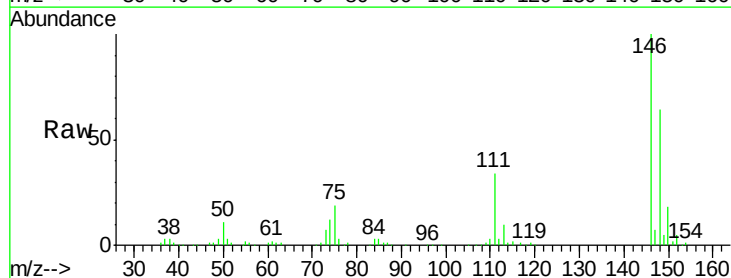
Instrument :
 MSVOA_D
 ClientSampleId :

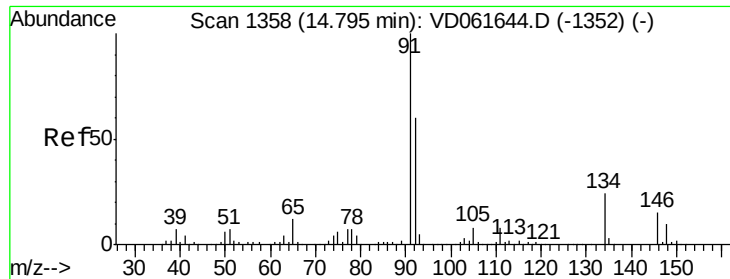
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.3	61.0
148	64.2	31.7	95.1



#88
 1,4-Dichlorobenzene
 Concen: 20.316 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. 0.01 min
 Lab File: VD061710.D
 Acq: 10 Apr 2019 13:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.9	17.1	51.2
148	64.3	32.6	97.7

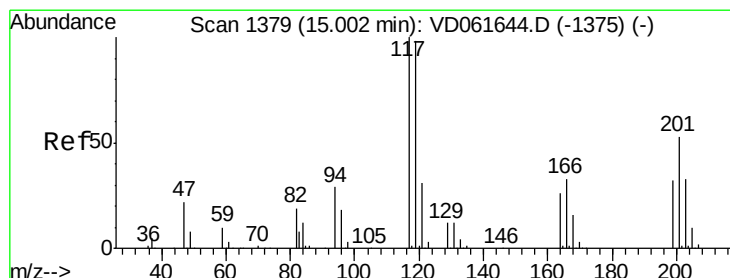
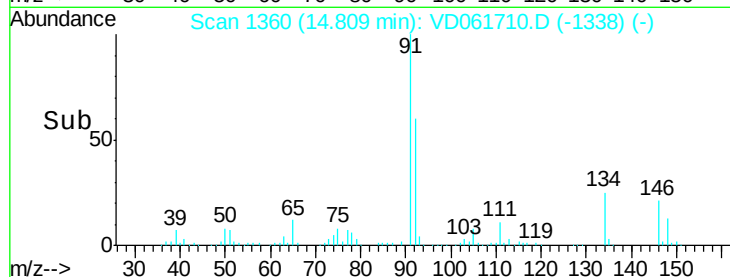
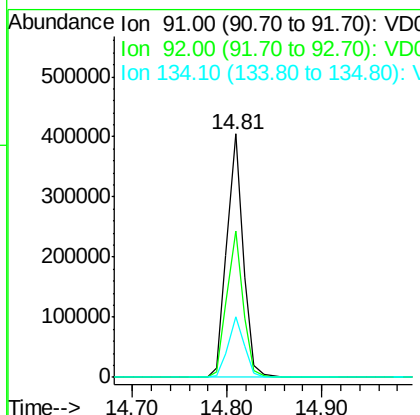
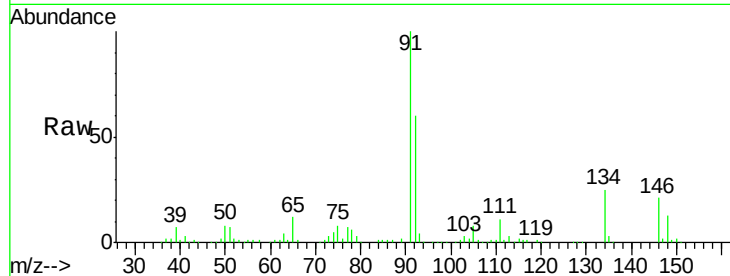




#89
n-Butylbenzene
Concen: 20.832 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

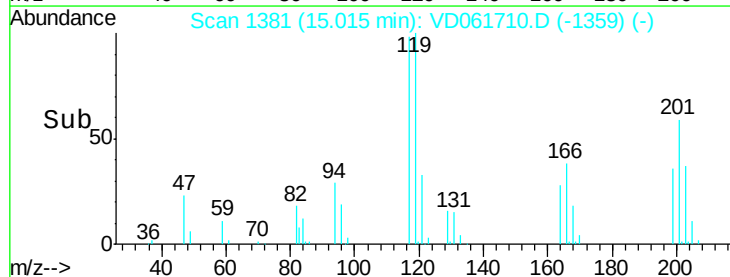
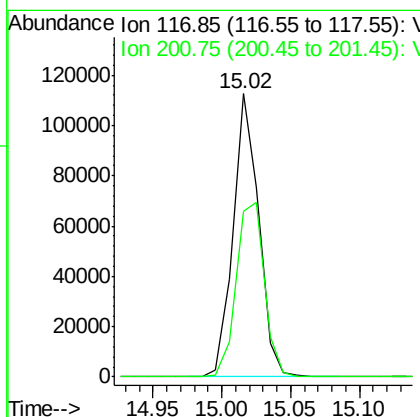
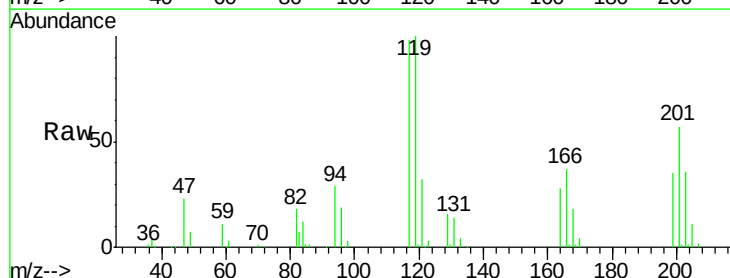
Instrument :
MSVOA_D
ClientSampleId :

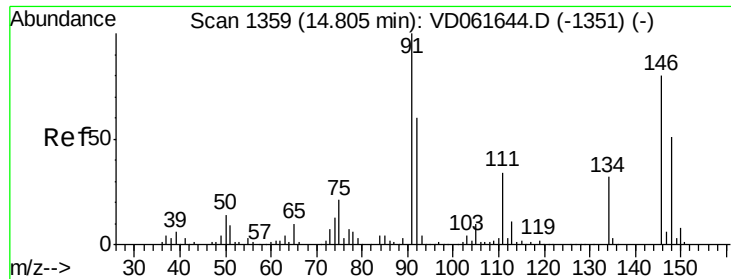
Tot Ion: 91 Resp: 486292
Ion Ratio Lower Upper
91 100
92 60.0 29.8 89.4
134 24.7 12.2 36.4



#90
Hexachloroethane
Concen: 19.935 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

Tgt Ion: 117 Resp: 145271
Ion Ratio Lower Upper
117 100
201 58.7 26.3 78.8

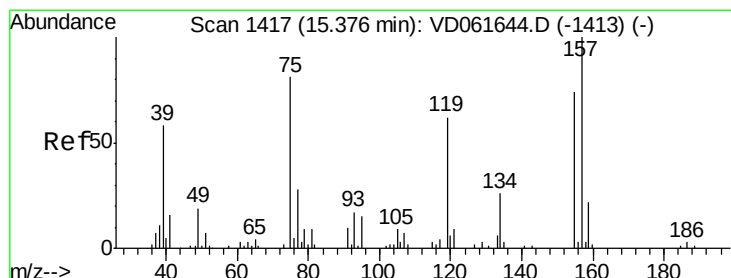
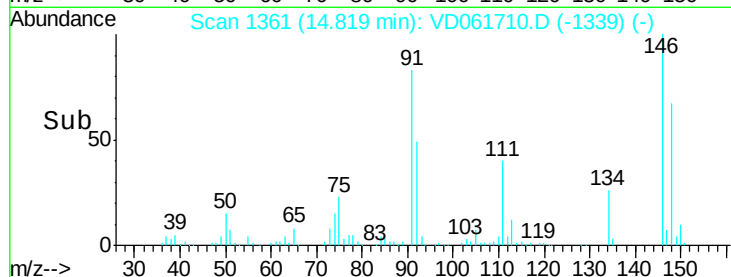
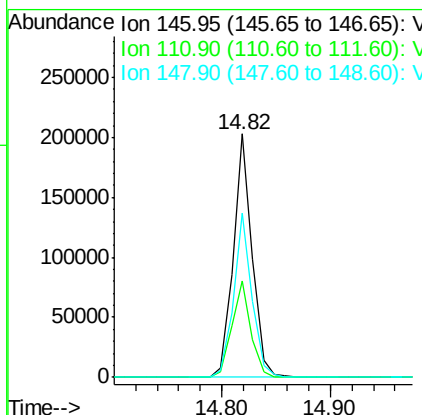
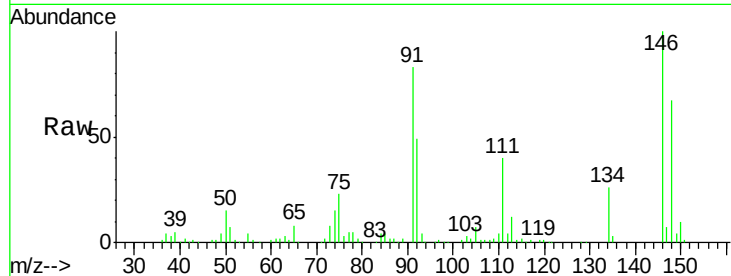




#91
 1,2-Dichlorobenzene
 Concen: 19.907 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD061710.D
 Acq: 10 Apr 2019 13:54

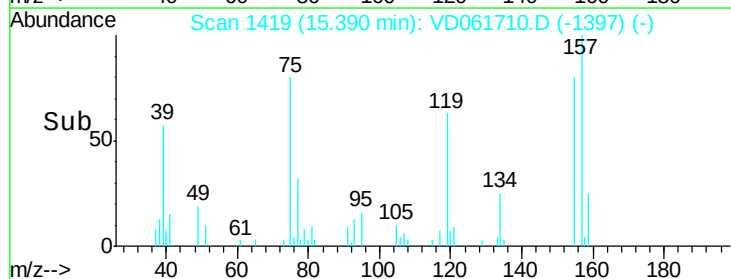
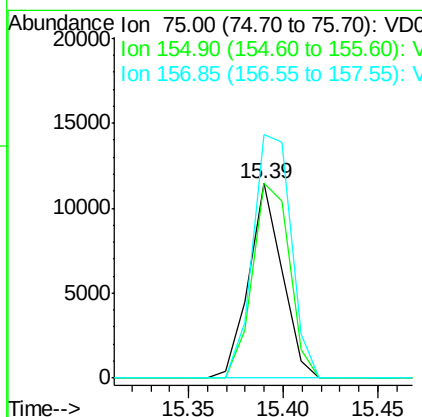
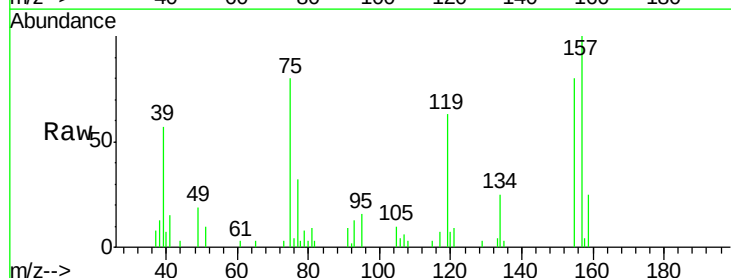
Instrument :
 MSVOA_D
 ClientSampleId :

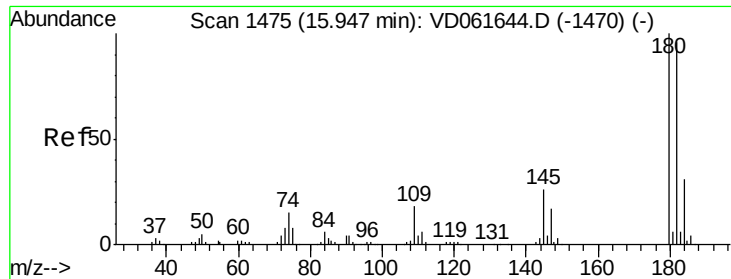
Tot Ion:146 Resp: 245408
 Ion Ratio Lower Upper
 146 100
 111 39.8 21.1 63.3
 148 67.4 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.700 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD061710.D
 Acq: 10 Apr 2019 13:54

Tgt Ion: 75 Resp: 13971
 Ion Ratio Lower Upper
 75 100
 155 100.0 45.6 136.7
 157 125.2 61.4 184.2

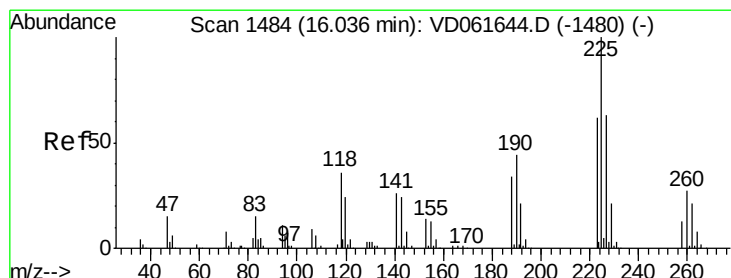
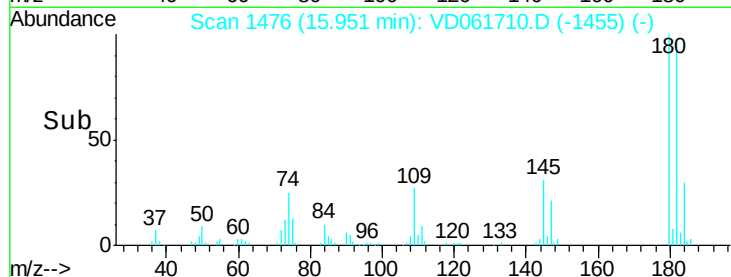
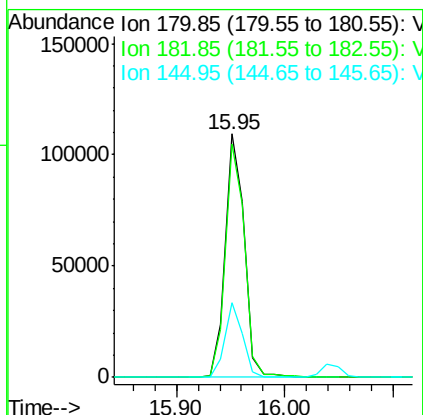
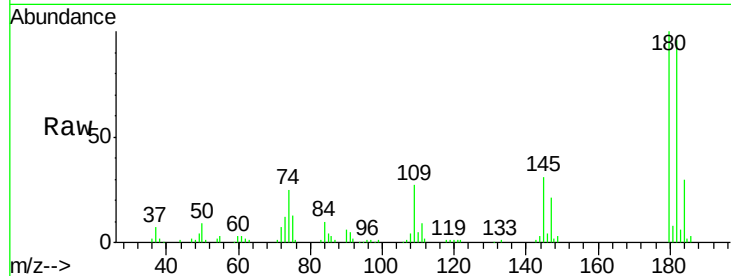




#93
 1,2,4-Trichlorobenzene
 Concen: 21.293 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VD061710.D
 Acq: 10 Apr 2019 13:54

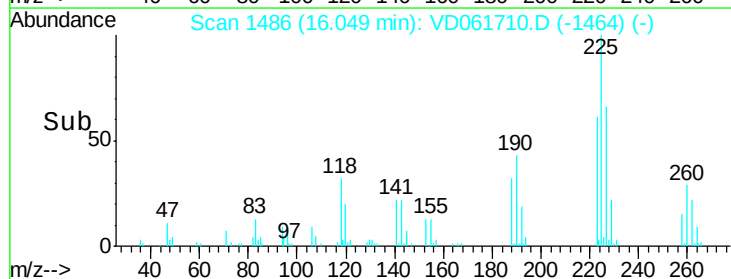
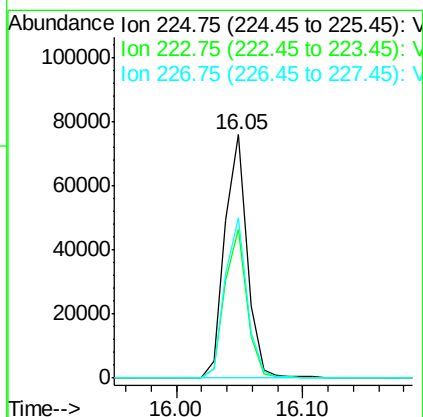
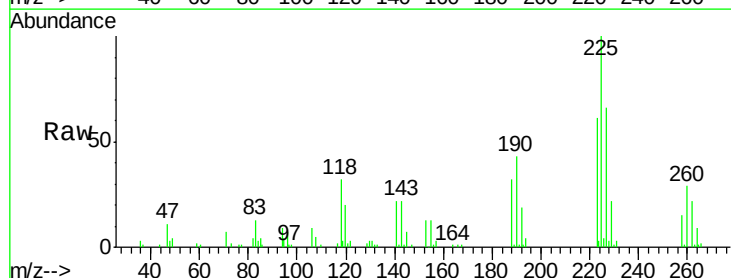
Instrument :
 MSVOA_D
 ClientSampled :

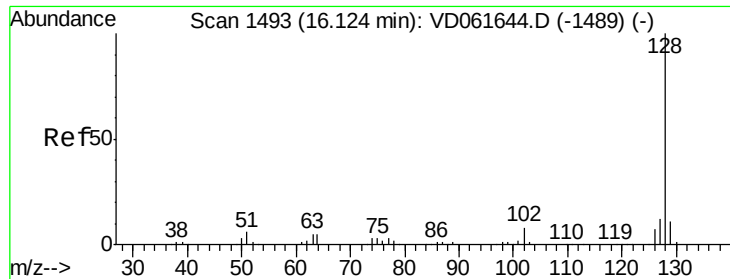
Tot Ion:180 Resp: 133730
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.8 143.3
 145 30.9 13.3 39.8



#94
 Hexachlorobutadiene
 Concen: 19.333 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VD061710.D
 Acq: 10 Apr 2019 13:54

Tgt Ion:225 Resp: 93758
 Ion Ratio Lower Upper
 225 100
 223 61.2 30.8 92.3
 227 65.8 31.5 94.5

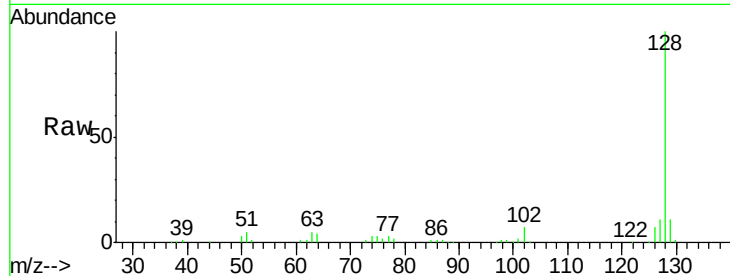




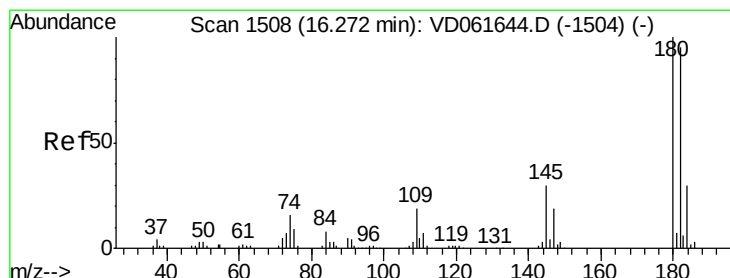
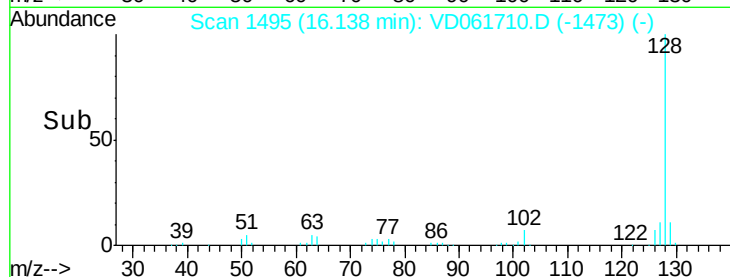
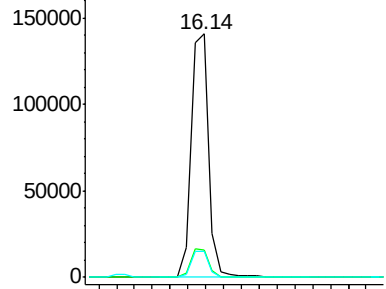
#95
Naphthalene
Concen: 19.602 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 194801
Ion Ratio Lower Upper
128 100
127 11.4 9.4 14.2
129 10.9 8.8 13.2

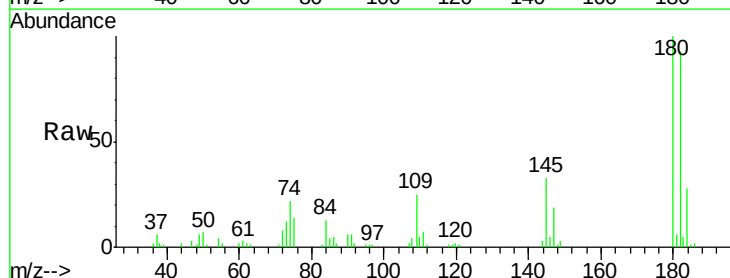


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.581 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VD061710.D
Acq: 10 Apr 2019 13:54

Tgt Ion:180 Resp: 61377
Ion Ratio Lower Upper
180 100
182 92.9 47.3 142.0
145 32.8 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

