

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061740.D
 Acq On : 11 Apr 2019 14:53
 Operator : VA/AP
 Sample : VD0411SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 12 01:00:00 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	7.04	168	650001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1052331	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	830188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	398235	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	248235	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
35) Dibromofluoromethane	6.92	113	347740	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
50) Toluene-d8	10.41	98	815370	44.52	ug/l	0.00
Spiked Amount			Recovery	=	89.04%	
62) 4-Bromofluorobenzene	13.55	95	317749	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	129827	18.514	ug/l	99
3) Chloromethane	1.77	50	120185	21.209	ug/l	95
4) Vinyl Chloride	1.85	62	109873	20.750	ug/l	96
5) Bromomethane	2.16	94	21373	17.439	ug/l	90
6) Chloroethane	2.26	64	28538	17.207	ug/l	97
7) Trichlorofluoromethane	2.53	101	177381	22.186	ug/l	96
8) Diethyl Ether	2.88	74	44952	20.034	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.15	101	155645	19.801	ug/l	98
10) Methyl Iodide	3.31	142	204952	19.861	ug/l	98
11) Tert butyl alcohol	4.06	59	34222	103.640	ug/l	98
12) 1,1-Dichloroethene	3.13	96	130940	19.324	ug/l	96
13) Acrolein	3.04	56	28963	71.943	ug/l	95
14) Allyl chloride	3.62	41	185862	20.110	ug/l	99
15) Acrylonitrile	4.20	53	111123	97.763	ug/l	98
16) Acetone	3.22	43	138364	93.944	ug/l	97
17) Carbon Disulfide	3.38	76	410019	18.622	ug/l	99
18) Methyl Acetate	3.65	43	57697	20.821	ug/l	96
19) Methyl tert-butyl Ether	4.24	73	236963	20.196	ug/l	99
20) Methylene Chloride	3.82	84	181383	21.703	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	147123	19.990	ug/l	94
22) Diisopropyl ether	5.12	45	383687	19.801	ug/l	98
23) Vinyl Acetate	5.05	43	1073357	100.390	ug/l	99
24) 1,1-Dichloroethane	4.98	63	241843	20.367	ug/l	99
25) 2-Butanone	6.06	43	168491	99.233	ug/l	94
26) 2,2-Dichloropropane	6.02	77	198070	20.486	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	156294	19.906	ug/l	96
28) Bromochloromethane	6.43	49	81882	18.694	ug/l	98
29) Tetrahydrofuran	6.45	42	76550	93.394	ug/l	98
30) Chloroform	6.66	83	254799	20.484	ug/l	98
31) Cyclohexane	6.95	56	174171	18.776	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	216747	19.884	ug/l	99
36) 1,1-Dichloropropene	7.14	75	183357	19.909	ug/l	98
37) Ethyl Acetate	6.17	43	81599	21.752	ug/l	99
38) Carbon Tetrachloride	7.11	117	229009	21.217	ug/l	98

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 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	8.85	83	185527	19.621	ug/l	98
40) Benzene	7.45	78	493359	22.205	ug/l	100
41) Methacrylonitrile	6.43	41	88967	20.316	ug/l #	93
42) 1,2-Dichloroethane	7.57	62	159917	22.886	ug/l	98
43) Isopropyl Acetate	9.23	43	114803	21.087	ug/l #	98
44) Trichloroethene	8.54	130	182091	21.377	ug/l	93
45) 1,2-Dichloropropane	8.93	63	116995	21.233	ug/l	100
46) Dibromomethane	9.06	93	85890	21.810	ug/l	95
47) Bromodichloromethane	9.36	83	196190	22.683	ug/l	99
48) Methyl methacrylate	9.11	41	68435	21.807	ug/l	96
49) 1,4-Dioxane	9.08	88	15112	436.264	ug/l #	86
51) 4-Methyl-2-Pentanone	10.29	43	336877	104.630	ug/l	95
52) Toluene	10.50	92	301150	21.706	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	163189	21.524	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	202814	21.701	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	94833	20.266	ug/l	98
56) Ethyl methacrylate	11.04	69	109855	22.254	ug/l	96
57) 1,3-Dichloropropane	11.40	76	157210	22.941	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	243285	104.449	ug/l	99
59) 2-Hexanone	11.52	43	266182	106.527	ug/l	100
60) Dibromochloromethane	11.68	129	159007	21.508	ug/l	99
61) 1,2-Dibromoethane	11.80	107	116933	21.368	ug/l	100
64) Tetrachloroethene	11.26	164	144325	22.396	ug/l	92
65) Chlorobenzene	12.40	112	364504	22.140	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	151877	23.973	ug/l	99
67) Ethyl Benzene	12.52	91	618435	24.668	ug/l	98
68) m/p-Xylenes	12.66	106	442659	45.799	ug/l	96
69) o-Xylene	13.05	106	183802	19.700	ug/l	100
70) Styrene	13.07	104	346963	21.776	ug/l	100
71) Bromoform	13.23	173	94145	23.951	ug/l	100
73) Isopropylbenzene	13.40	105	623753	23.507	ug/l	98
74) N-amyl acetate	13.26	43	156619	21.724	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	112703	20.542	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	114806	21.190	ug/l	99
77) Bromobenzene	13.67	156	165446	21.481	ug/l	84
78) n-propylbenzene	13.77	91	677616	21.348	ug/l	100
79) 2-Chlorotoluene	13.83	91	401056	22.095	ug/l	94
80) 1,3,5-Trimethylbenzene	13.92	105	488887	23.213	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	34126	20.756	ug/l	89
82) 4-Chlorotoluene	13.94	91	444805	22.364	ug/l	96
83) tert-Butylbenzene	14.19	119	536480	21.127	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	469848	22.104	ug/l	98
85) sec-Butylbenzene	14.37	105	637931	23.252	ug/l	96
86) p-Isopropyltoluene	14.48	119	517350	21.737	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	283602	21.395	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	280192	20.950	ug/l	99
89) n-Butylbenzene	14.79	91	461954	22.331	ug/l	98
90) Hexachloroethane	15.01	117	151536	23.465	ug/l	71
91) 1,2-Dichlorobenzene	14.80	146	242861	22.230	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13677	20.657	ug/l	62

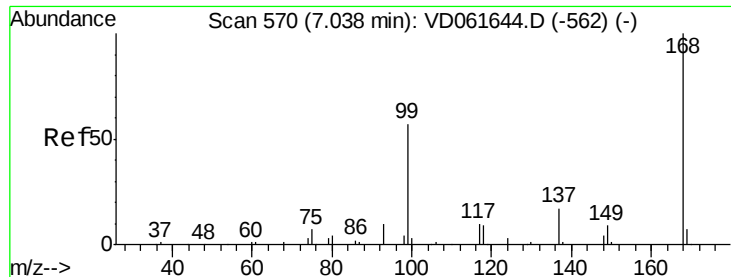
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	104130	18.709	ug/l	99
94) Hexachlorobutadiene	16.03	225	87087	20.263	ug/l	99
95) Naphthalene	16.12	128	179598	20.393	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	48765	17.555	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

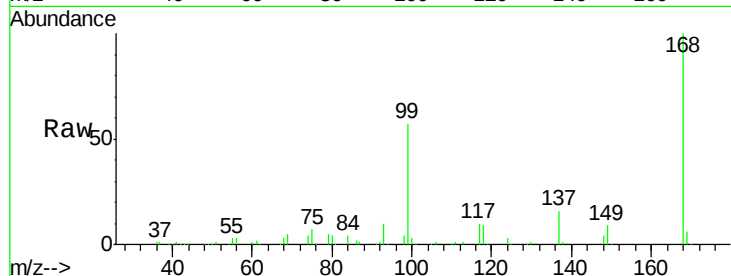
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 650001

Ion Ratio Lower Upper

168 100

99 57.5 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

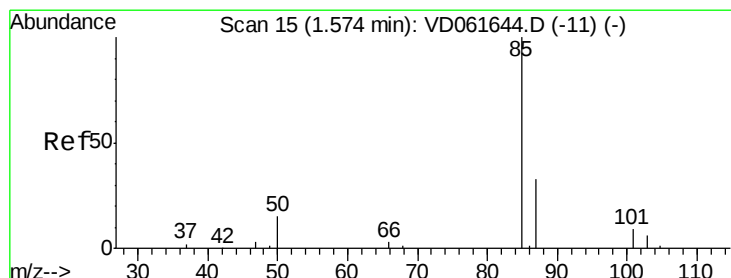
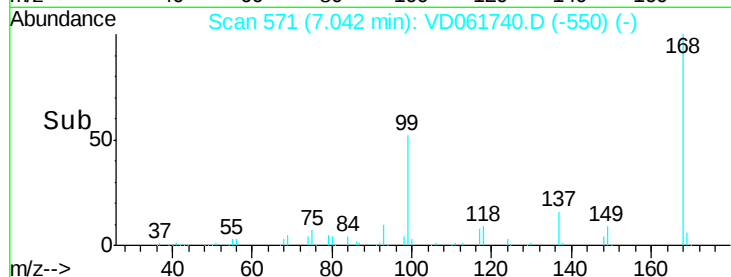
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 18.514 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.01 min

Lab File: VD061740.D

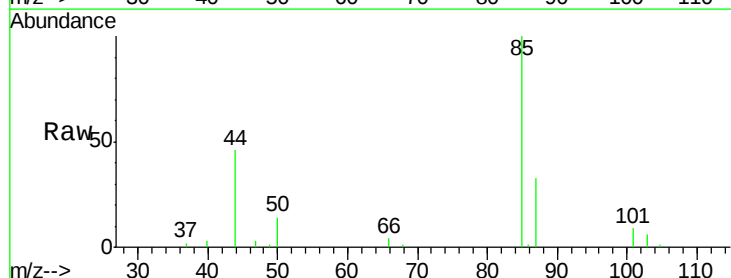
Acq: 11 Apr 2019 14:53

Tgt Ion: 85 Resp: 129827

Ion Ratio Lower Upper

85 100

87 32.6 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

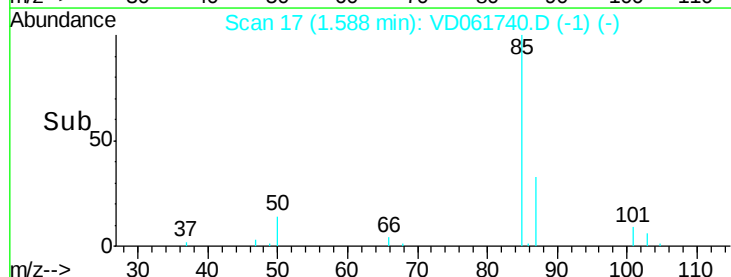
20000

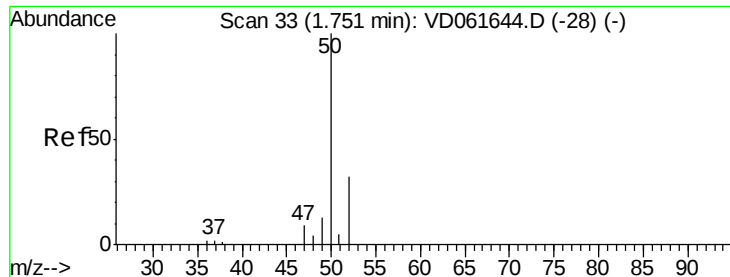
10000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 21.209 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

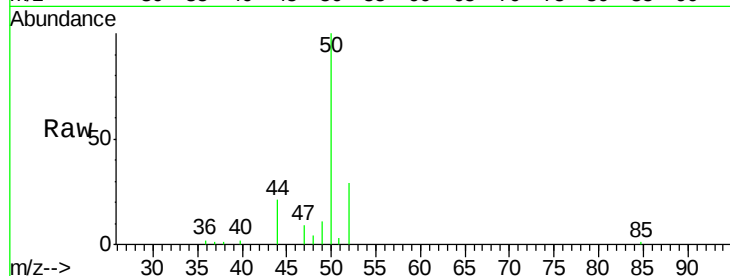
ClientSampleId :

Tot Ion: 50 Resp: 120185

Ion Ratio Lower Upper

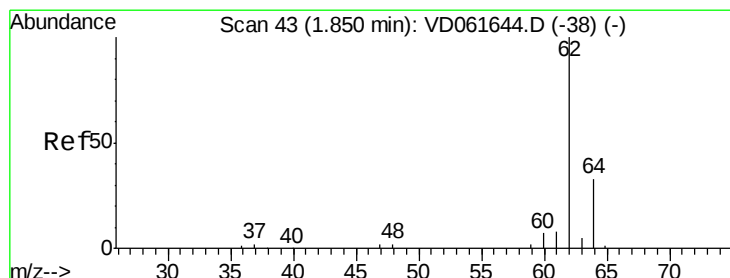
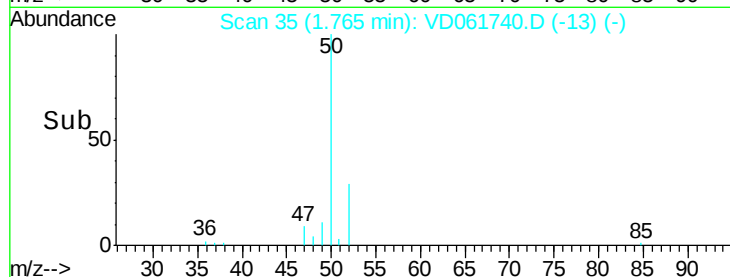
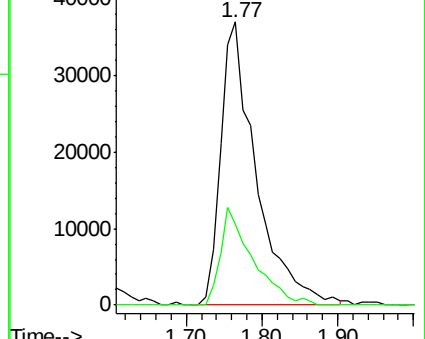
50 100

52 28.5 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: 20.750 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD061740.D

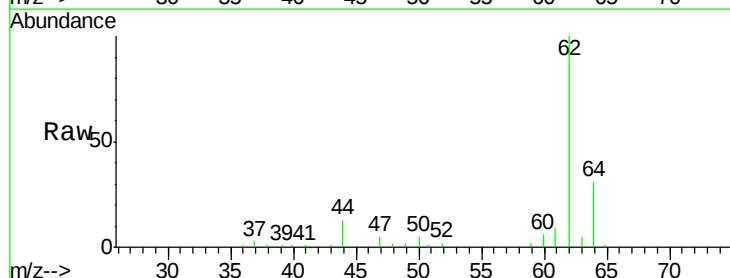
Acq: 11 Apr 2019 14:53

Tgt Ion: 62 Resp: 109873

Ion Ratio Lower Upper

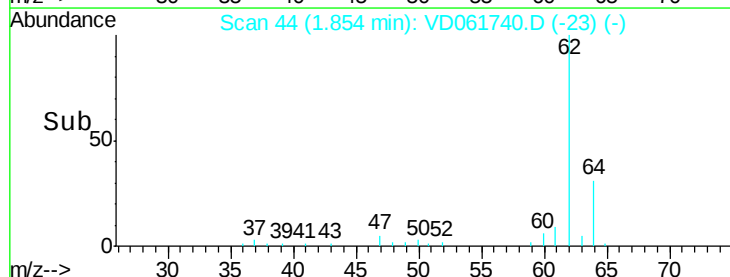
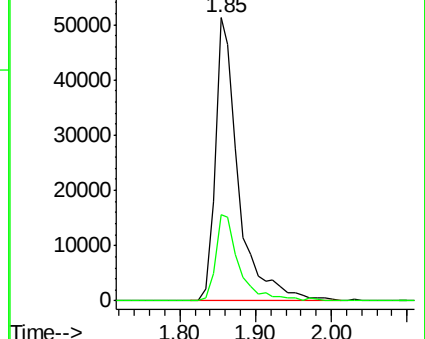
62 100

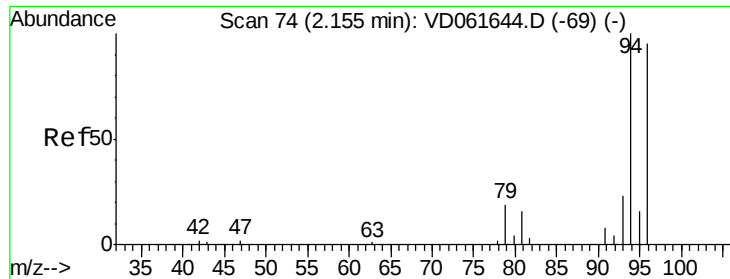
64 30.6 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.439 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

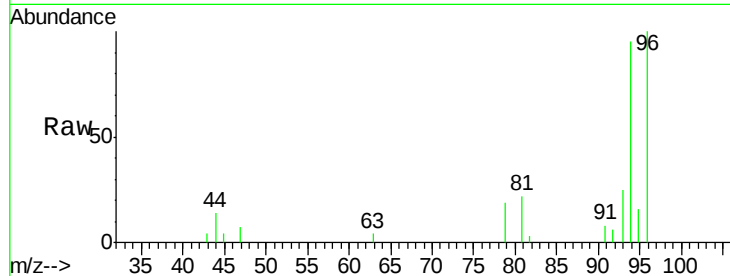
Tot Ion: 94 Resp: 21373

Ion Ratio Lower Upper

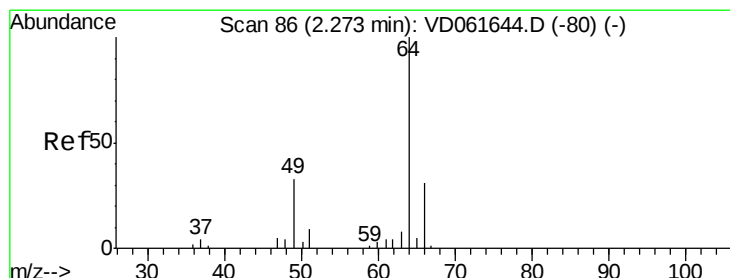
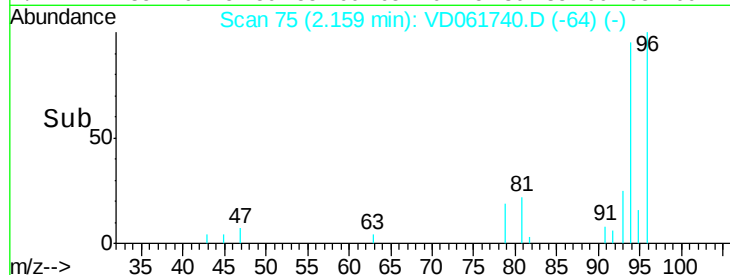
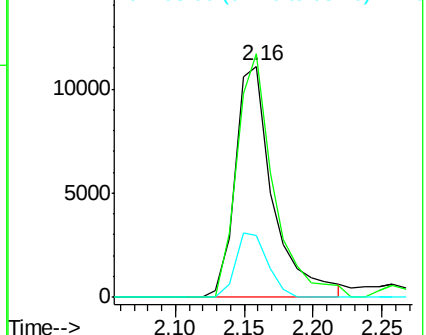
94 100

96 105.3 75.8 113.8

93 26.8 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: 17.207 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD061740.D

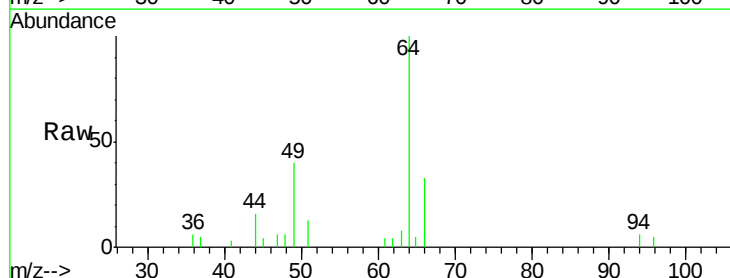
Acq: 11 Apr 2019 14:53

Tgt Ion: 64 Resp: 28538

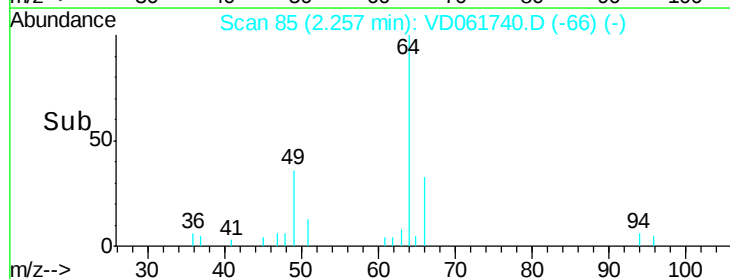
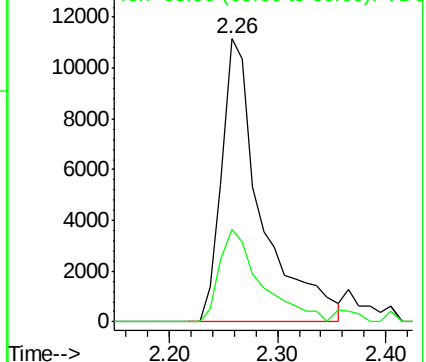
Ion Ratio Lower Upper

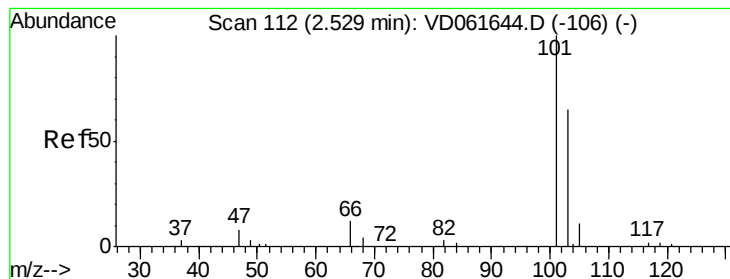
64 100

66 32.9 24.9 37.3



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



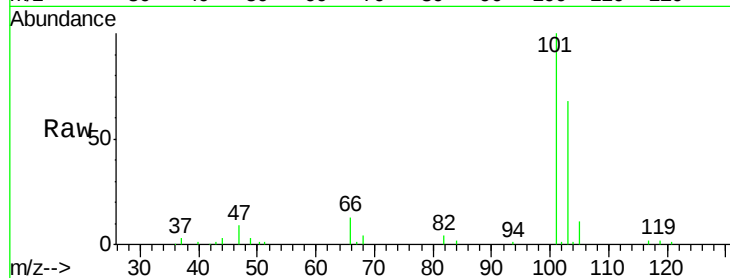


#7

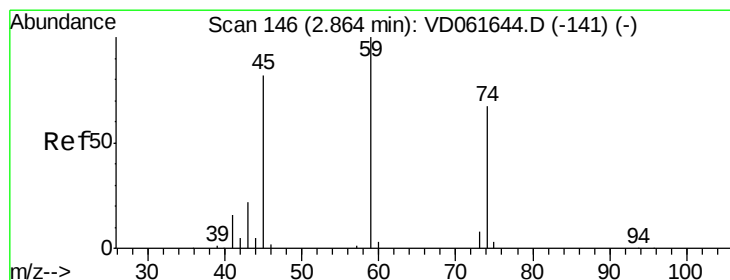
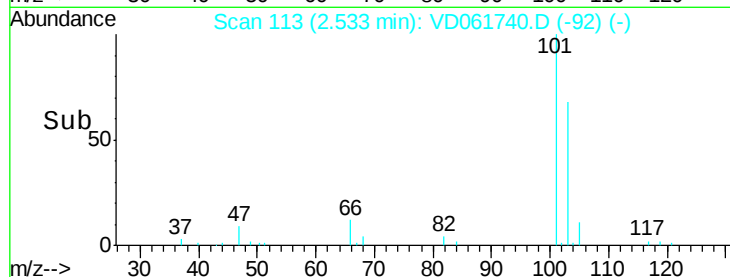
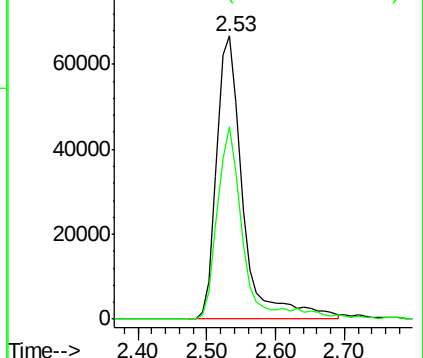
Trichlorofluoromethane
 Concen: 22.186 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. 0.00 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 177381
 Ion Ratio Lower Upper
 101 100
 103 68.0 52.0 78.0



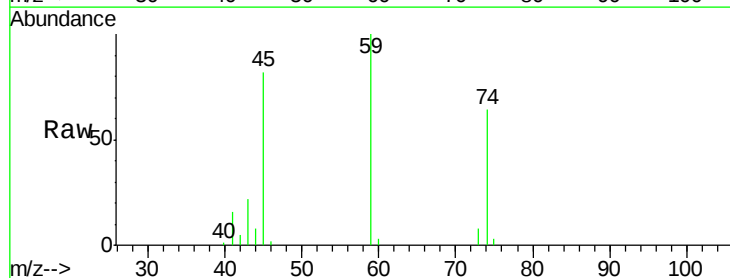
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



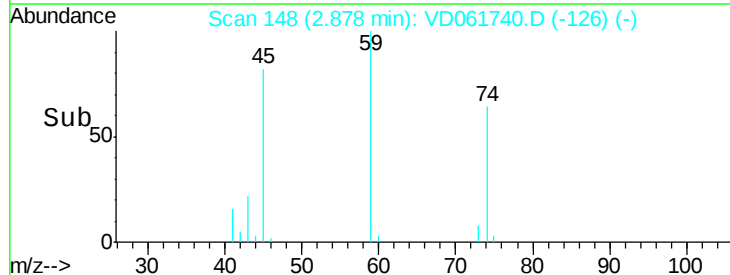
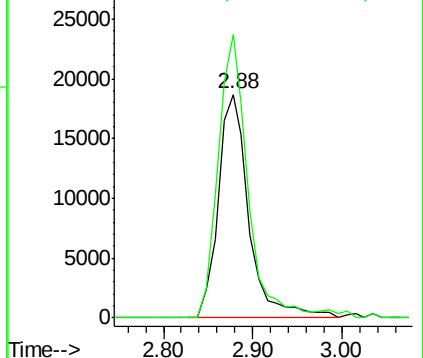
#8

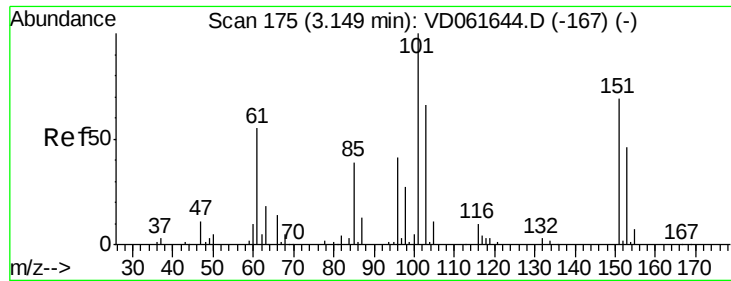
Diethyl Ether
 Concen: 20.034 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Tgt Ion: 74 Resp: 44952
 Ion Ratio Lower Upper
 74 100
 45 126.7 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: 19.801 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

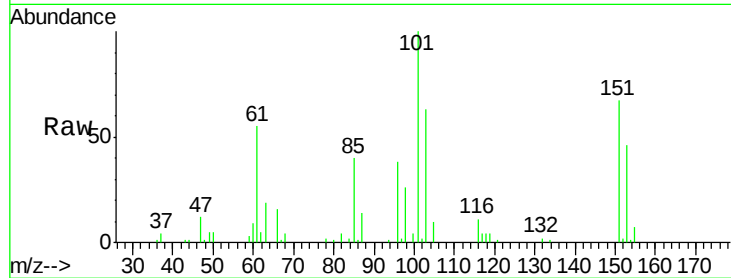
Tot Ion:101 Resp: 155645

Ion Ratio Lower Upper

101 100

85 40.5 31.0 46.6

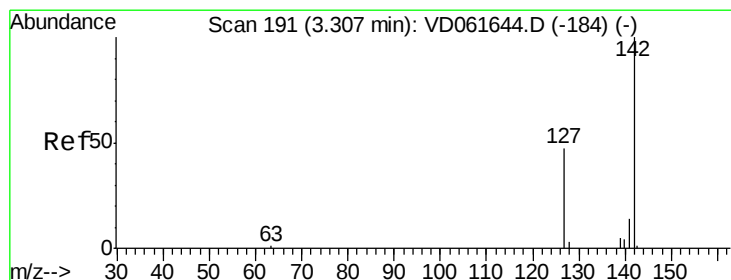
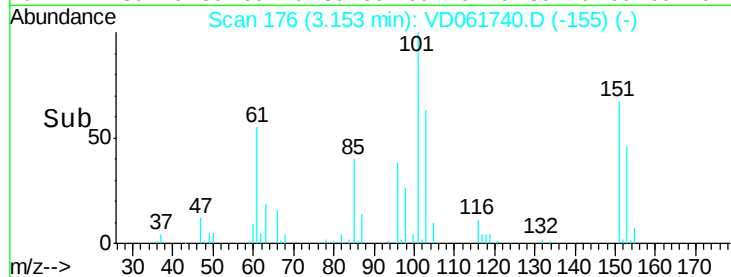
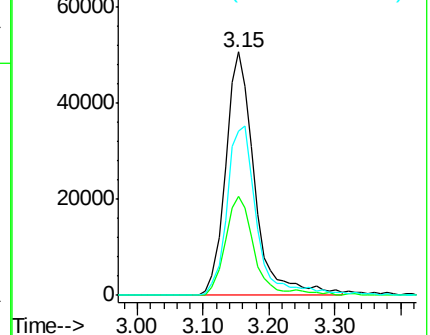
151 67.4 55.3 82.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.861 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

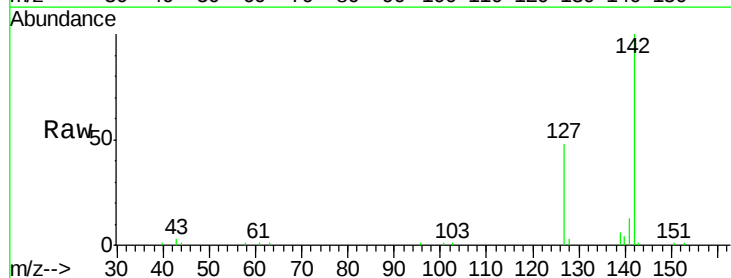
Tgt Ion:142 Resp: 204952

Ion Ratio Lower Upper

142 100

127 48.0 37.2 55.8

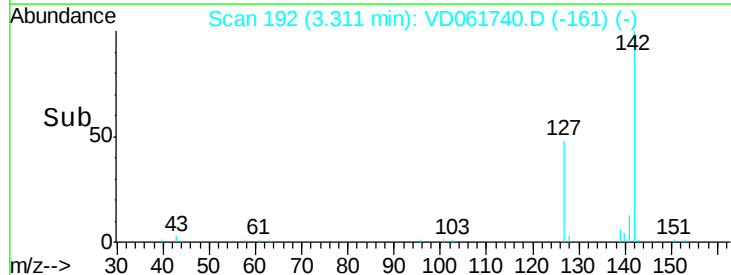
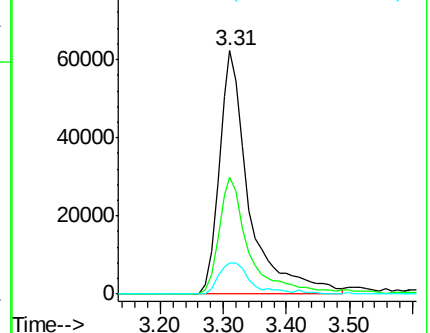
141 13.0 10.8 16.2

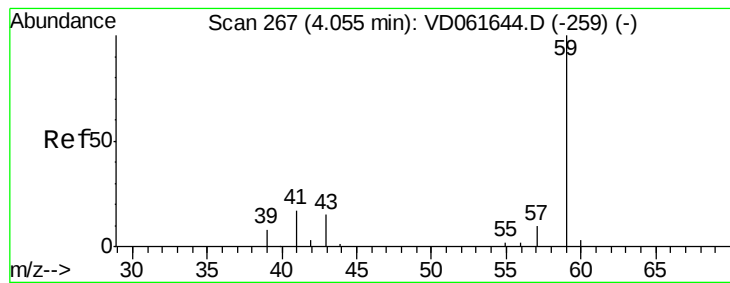


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



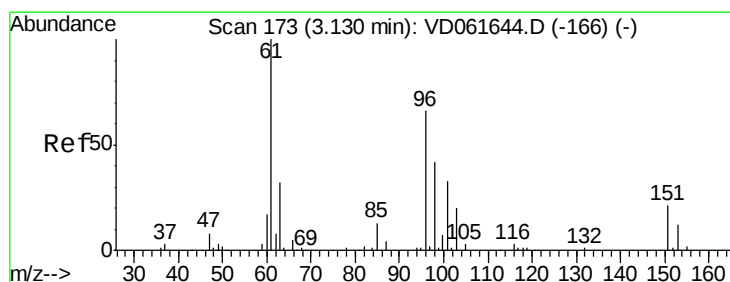
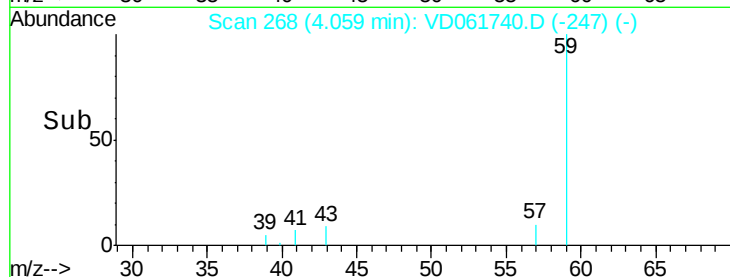
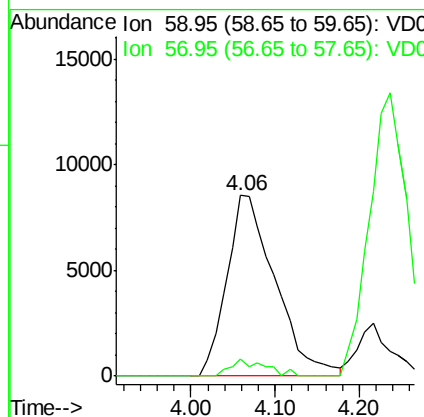
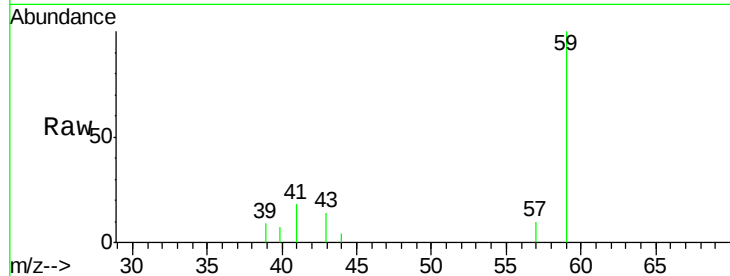


#11

Tert butyl alcohol
 Concen: 103.640 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. 0.00 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleID :

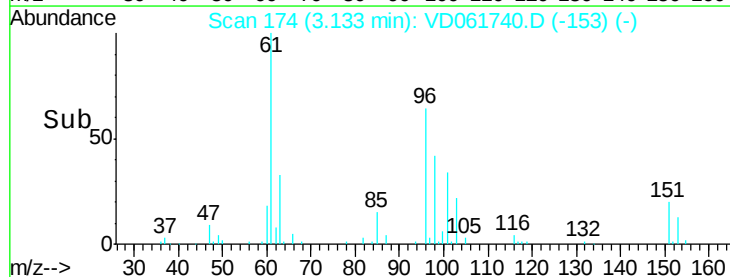
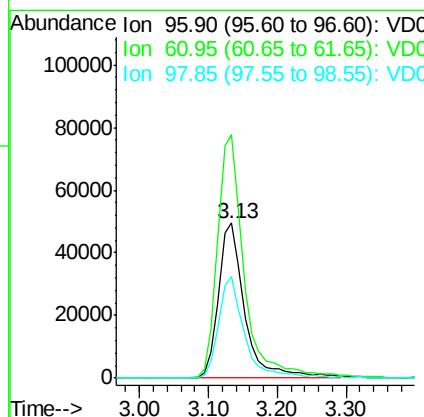
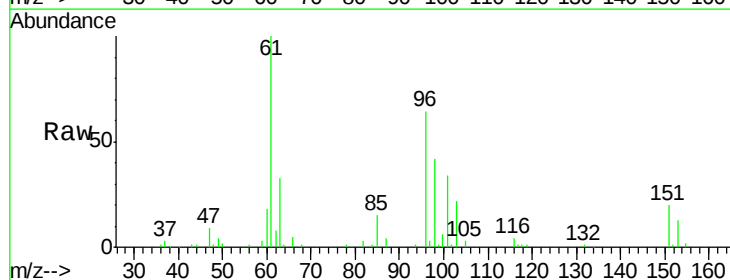
Tot Ion: 59 Resp: 34222
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.4 12.6

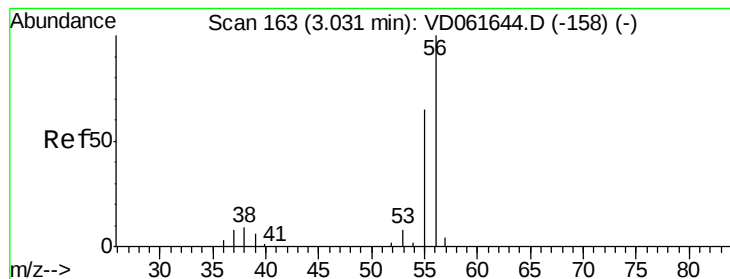


#12

1,1-Dichloroethene
 Concen: 19.324 ug/l
 RT: 3.13 min Scan# 174
 Delta R.T. 0.00 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Tgt Ion: 96 Resp: 130940
 Ion Ratio Lower Upper
 96 100
 61 157.0 121.3 181.9
 98 65.5 50.6 76.0





#13

Acrolein

Concen: 71.943 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

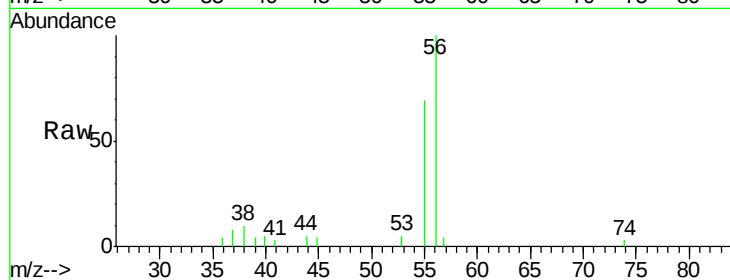
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 28963

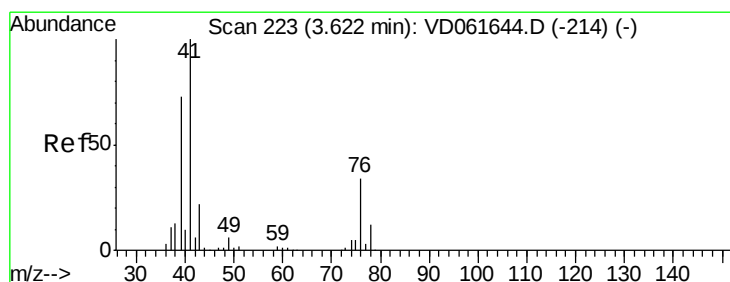
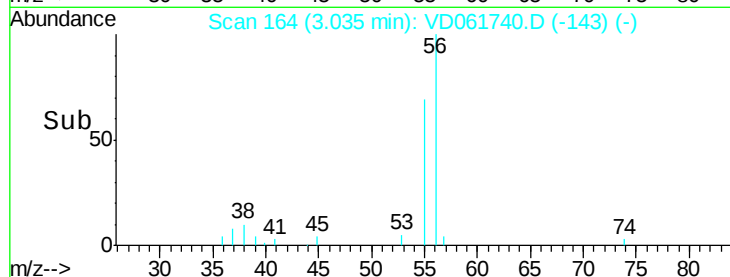
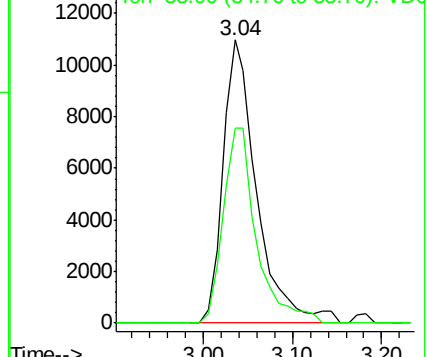
Ion Ratio Lower Upper

56 100

55 68.9 51.8 77.6



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



#14

Allyl chloride

Concen: 20.110 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

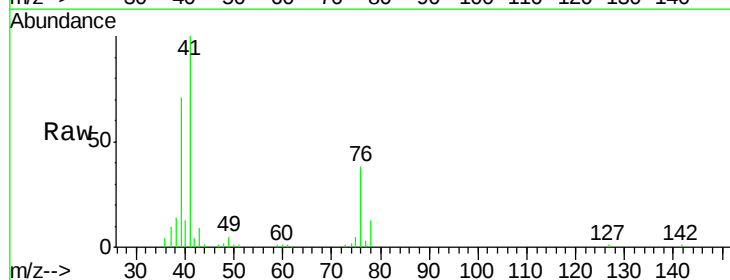
Tgt Ion: 41 Resp: 185862

Ion Ratio Lower Upper

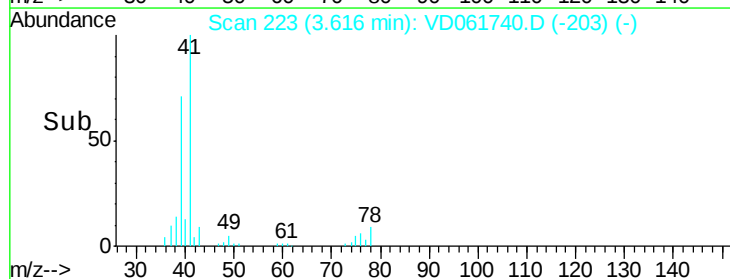
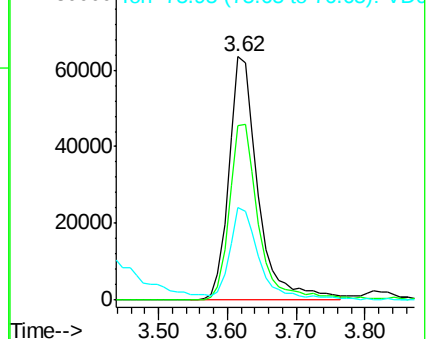
41 100

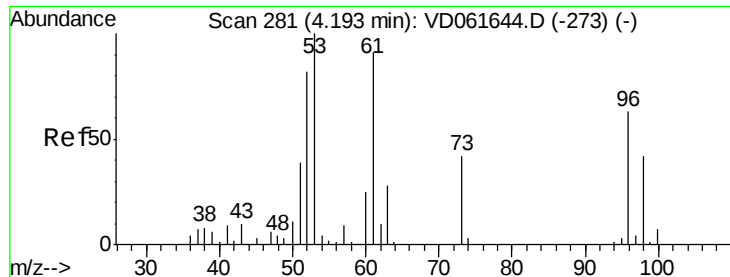
39 71.4 58.2 87.4

76 37.8 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: 97.763 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

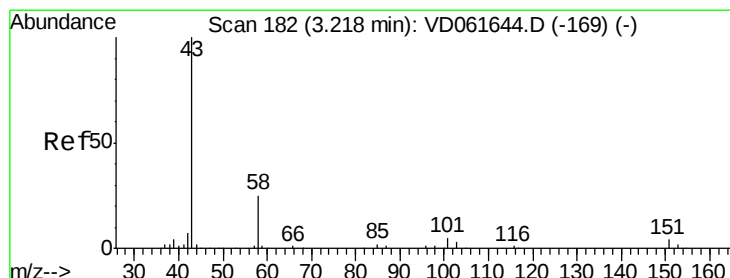
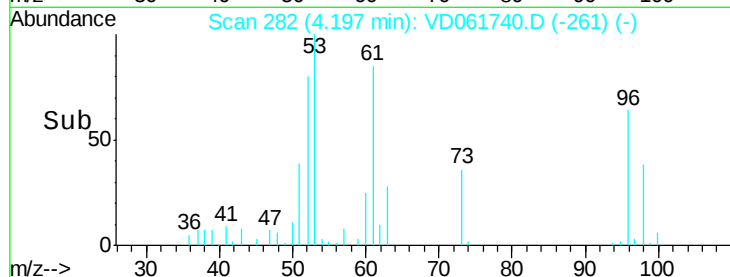
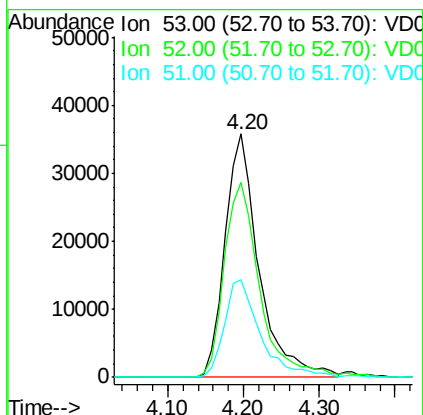
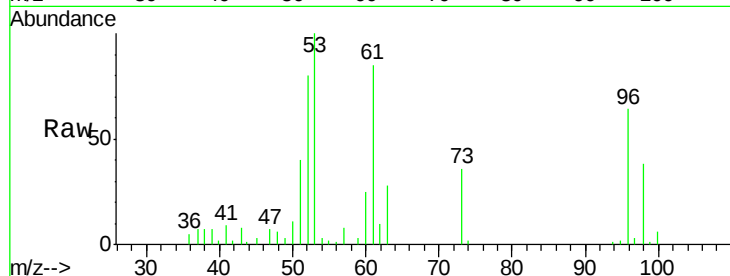
Tot Ion: 53 Resp: 111123

Ion Ratio Lower Upper

53 100

52 79.8 65.9 98.9

51 40.0 31.4 47.2



#16

Acetone

Concen: 93.944 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061740.D

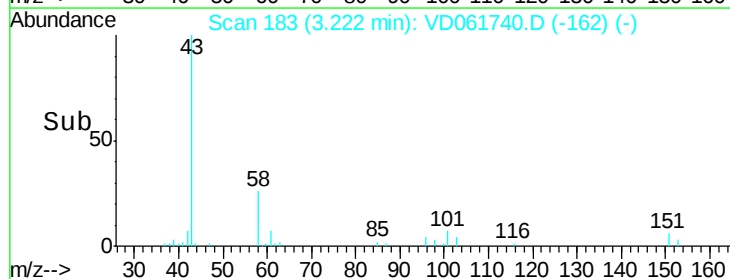
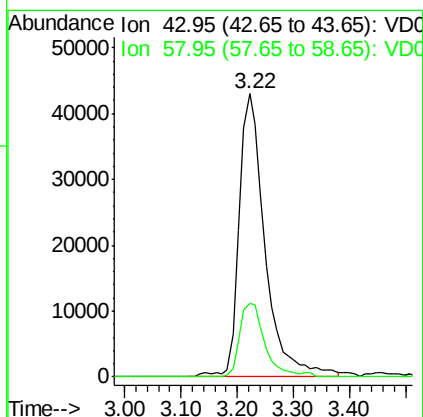
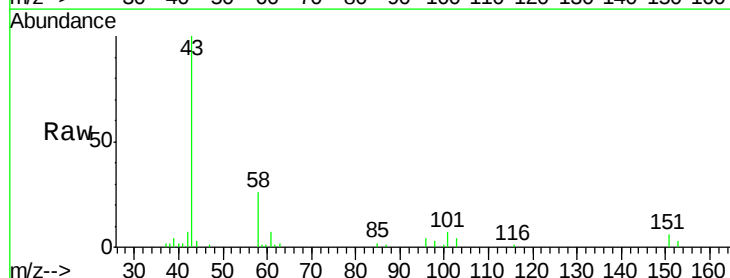
Acq: 11 Apr 2019 14:53

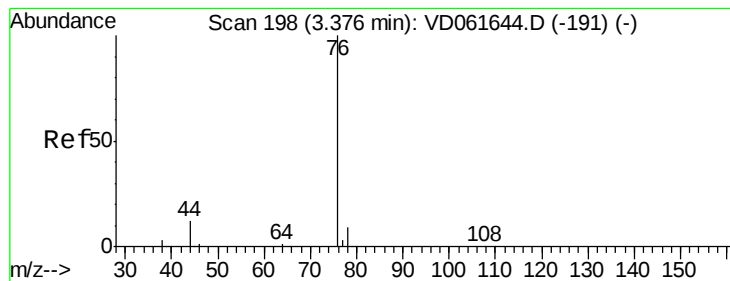
Tgt Ion: 43 Resp: 138364

Ion Ratio Lower Upper

43 100

58 26.0 19.7 29.5





#17

Carbon Disulfide

Concen: 18.622 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

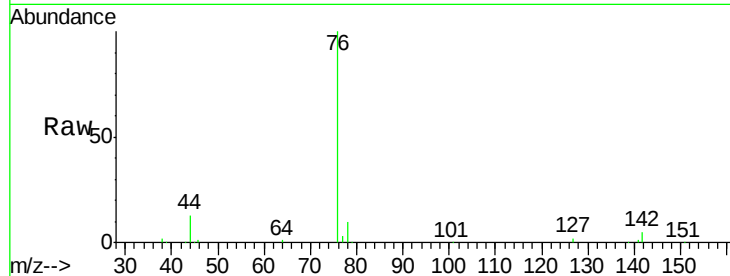
ClientSampleId :

Tot Ion: 76 Resp: 410019

Ion Ratio Lower Upper

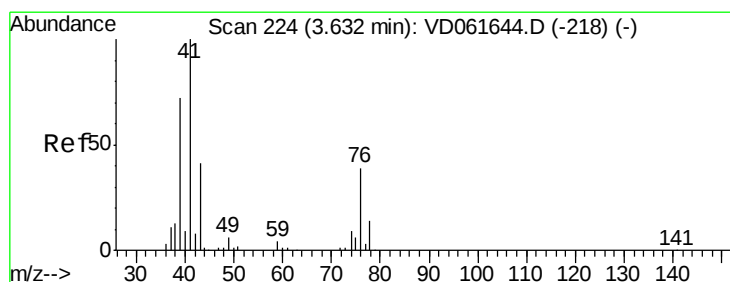
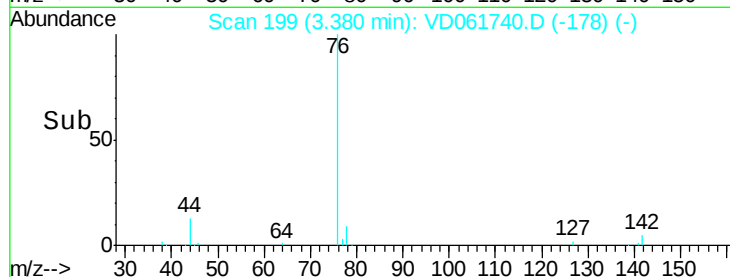
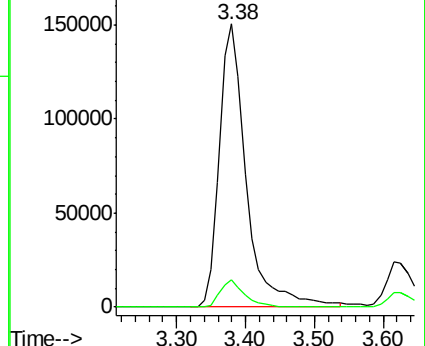
76 100

78 9.6 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: 20.821 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD061740.D

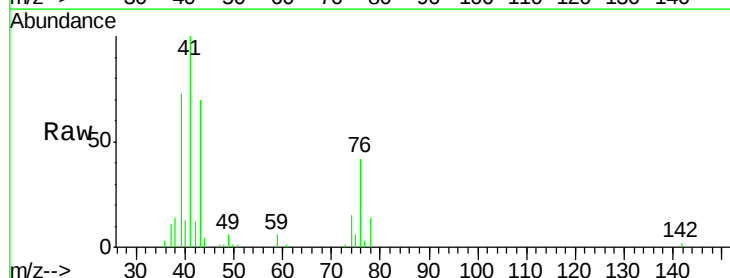
Acq: 11 Apr 2019 14:53

Tgt Ion: 43 Resp: 57697

Ion Ratio Lower Upper

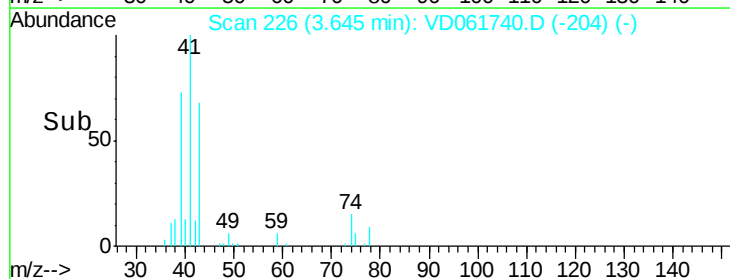
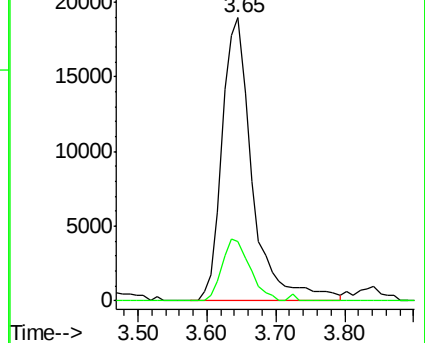
43 100

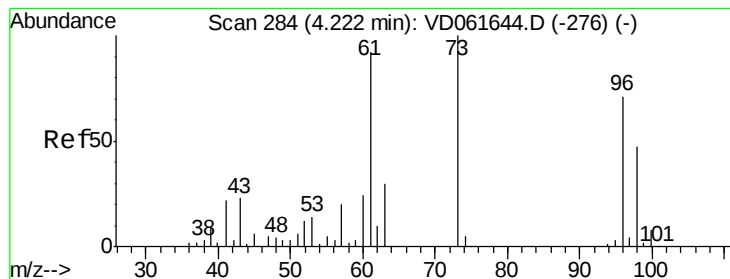
74 20.9 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



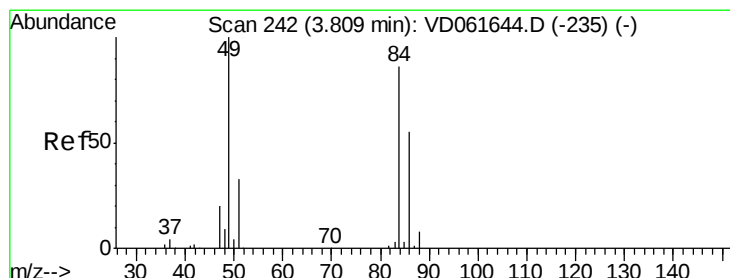
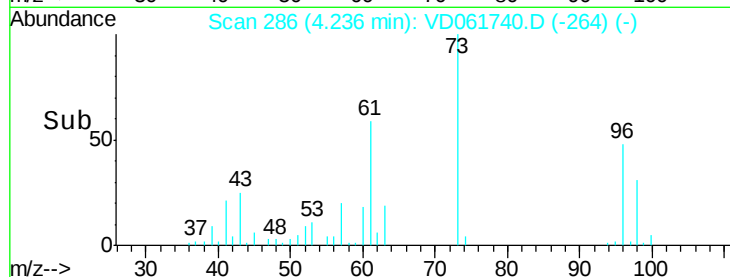
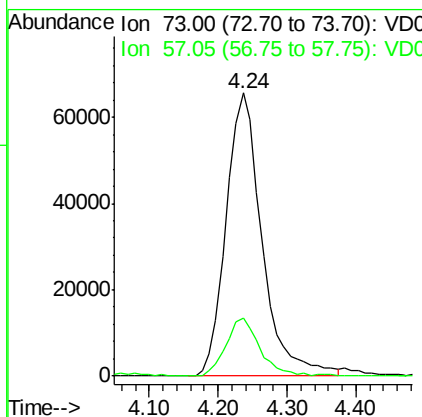
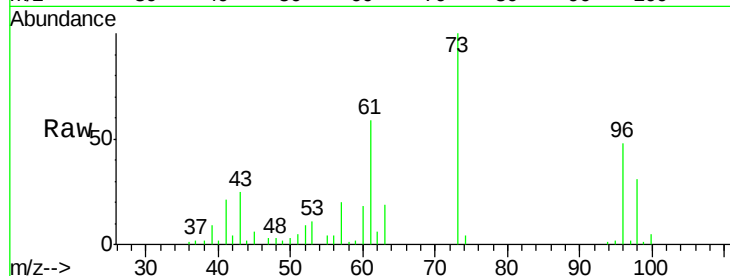


#19

Methyl tert-butyl Ether
 Concen: 20.196 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleID :

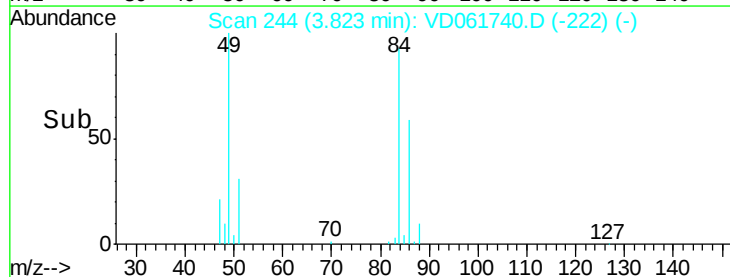
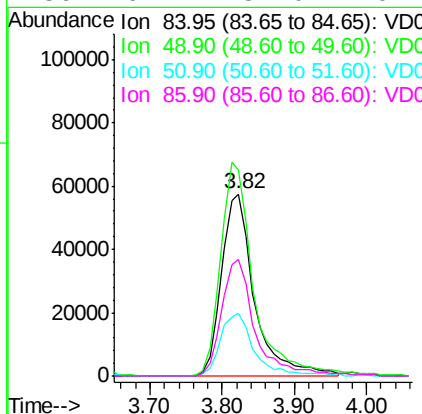
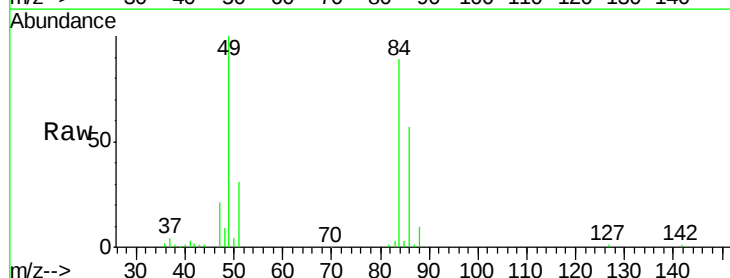
Tot Ion: 73 Resp: 236963
 Ion Ratio Lower Upper
 73 100
 57 20.4 16.0 24.0

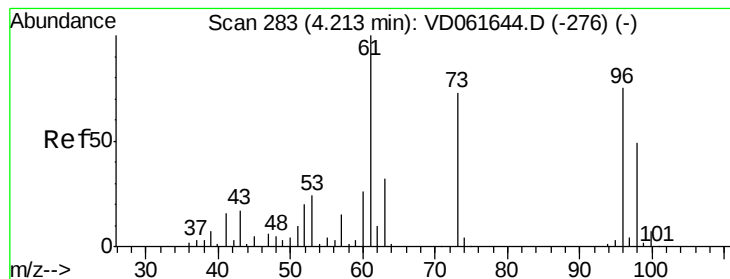


#20

Methylene Chloride
 Concen: 21.703 ug/l
 RT: 3.82 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Tgt Ion: 84 Resp: 181383
 Ion Ratio Lower Upper
 84 100
 49 112.8 93.0 139.4
 51 34.6 30.4 45.6
 86 64.1 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 19.990 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :
MSVOA_D
ClientSampled :

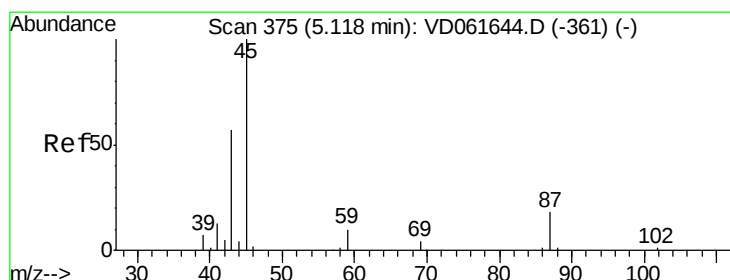
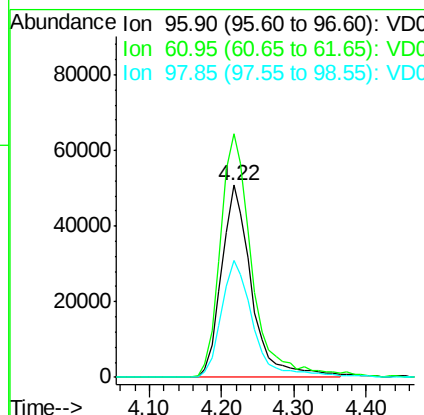
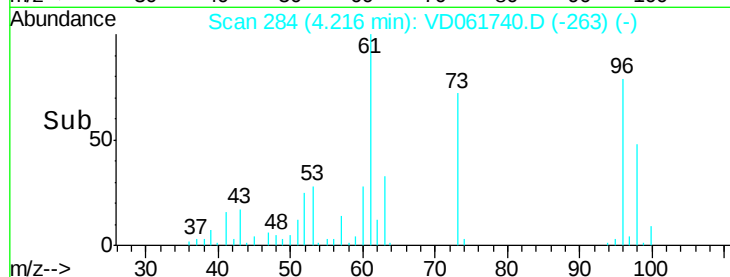
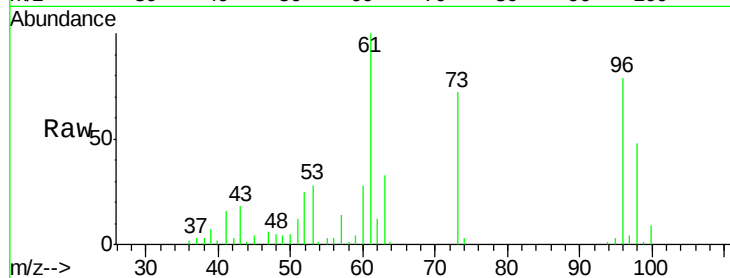
Tot Ion: 96 Resp: 147123

Ion Ratio Lower Upper

96 100

61 126.7 106.8 160.2

98 60.6 52.2 78.2



#22

Diisopropyl ether

Concen: 19.801 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Tgt Ion: 45 Resp: 383687

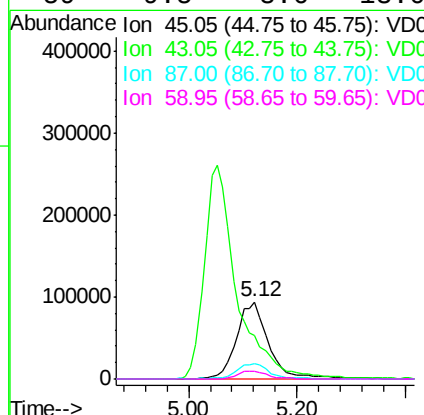
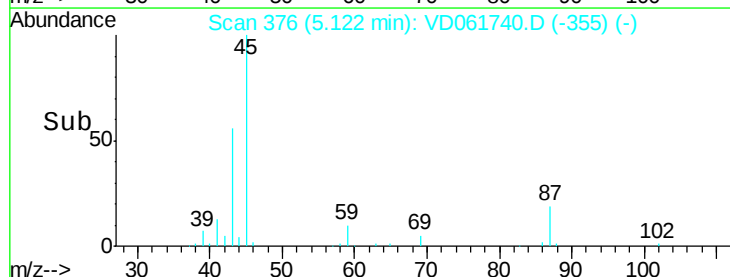
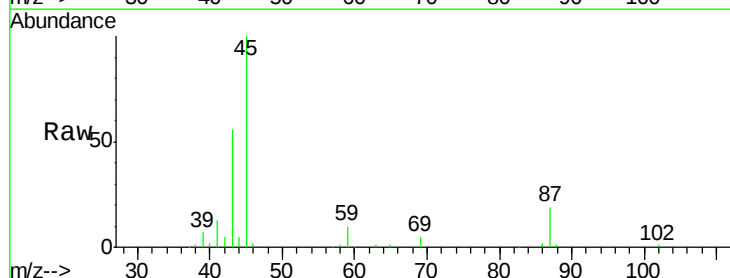
Ion Ratio Lower Upper

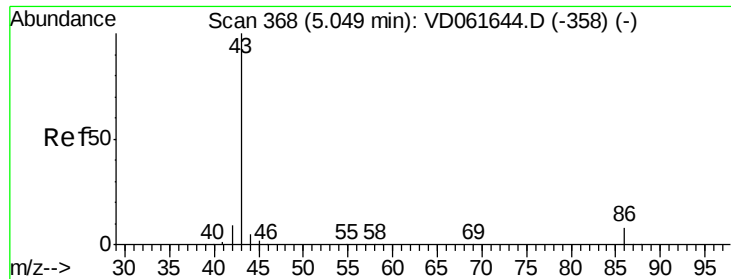
45 100

43 56.1 46.6 70.0

87 19.4 15.6 23.4

59 9.5 8.6 13.0





#23

Vinyl Acetate

Concen: 100.390 ug/l

RT: 5.05 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

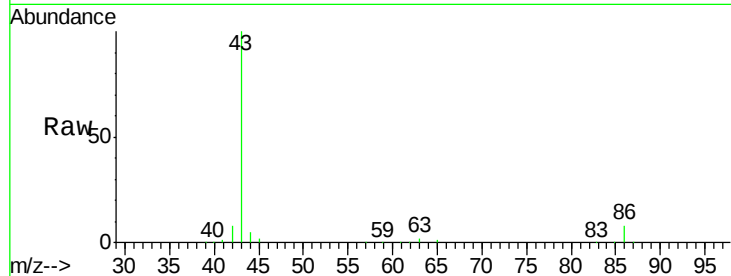
ClientSampled :

Tot Ion: 43 Resp: 1073357

Ion Ratio Lower Upper

43 100

86 8.2 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

250000

200000

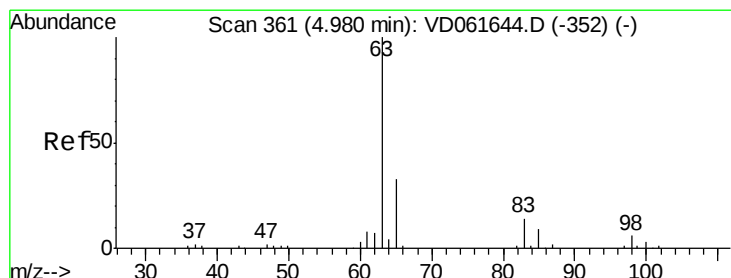
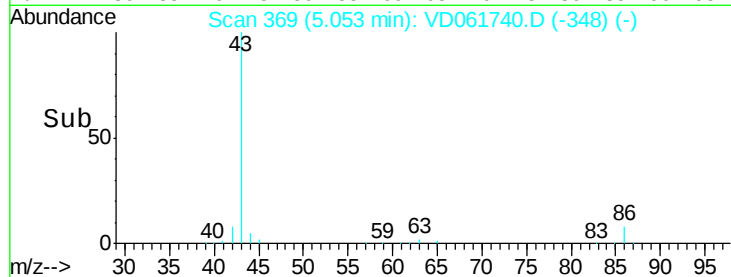
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.367 ug/l

RT: 4.98 min Scan# 362

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

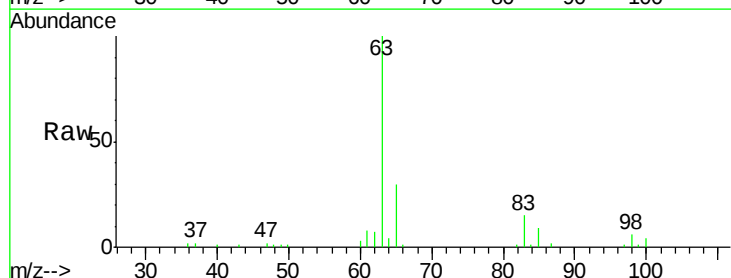
Tgt Ion: 63 Resp: 241843

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

100 3.9 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

4.98

80000

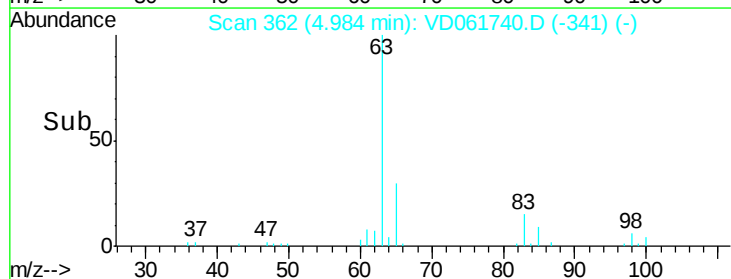
60000

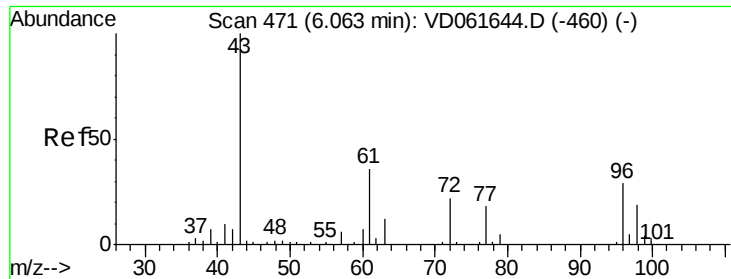
40000

20000

0

Time-->





#25

2-Butanone

Concen: 99.233 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

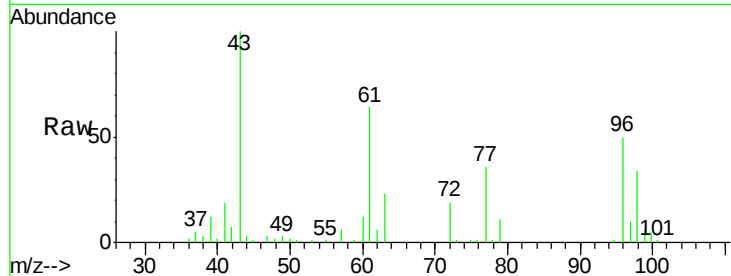
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 168491

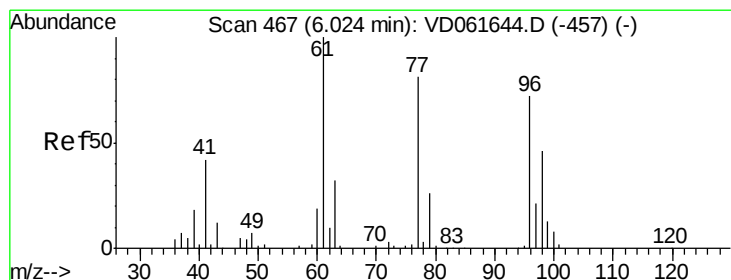
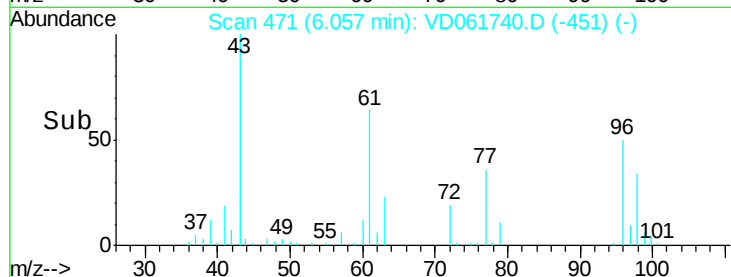
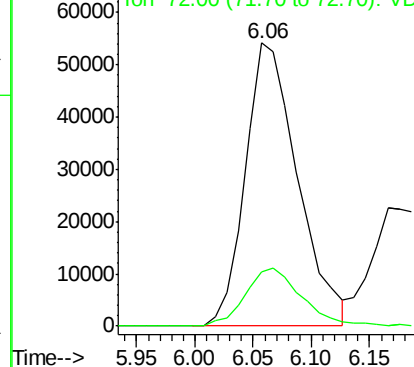
Ion Ratio Lower Upper

43 100

72 19.1 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: 20.486 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD061740.D

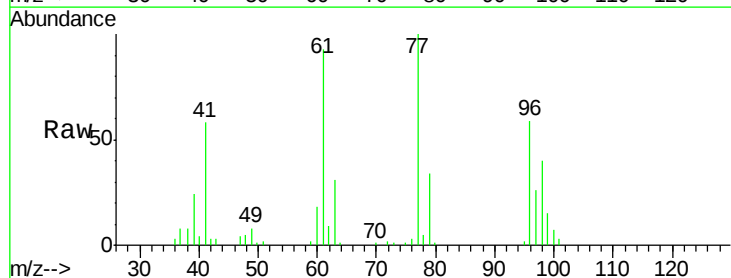
Acq: 11 Apr 2019 14:53

Tgt Ion: 77 Resp: 198070

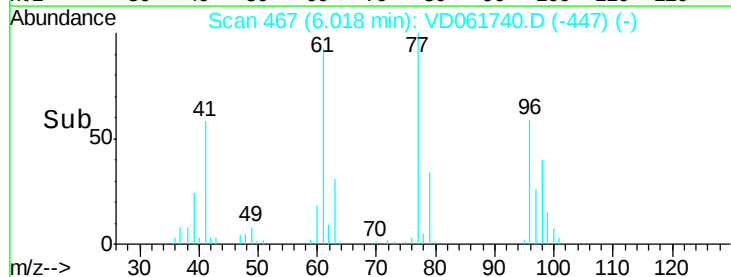
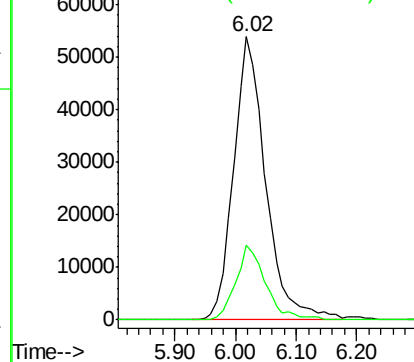
Ion Ratio Lower Upper

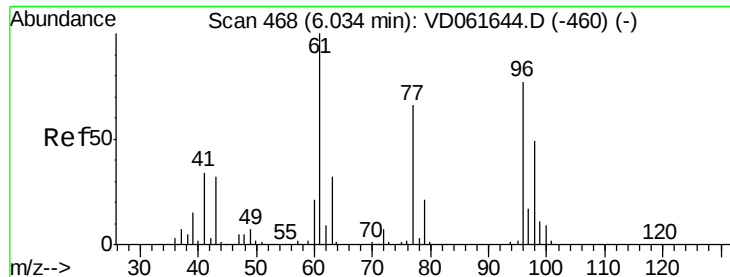
77 100

97 26.3 12.7 38.0



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



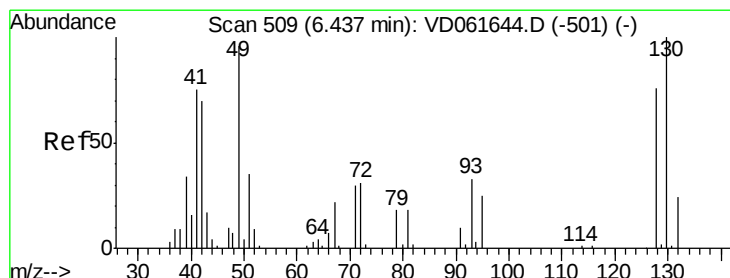
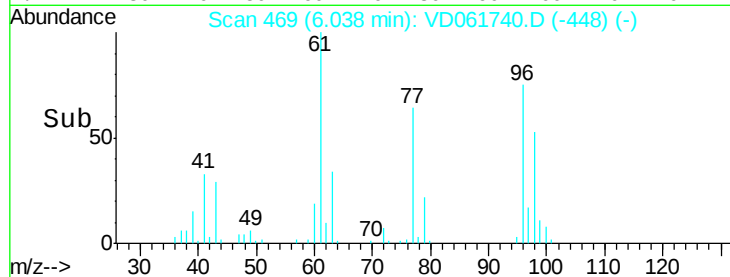
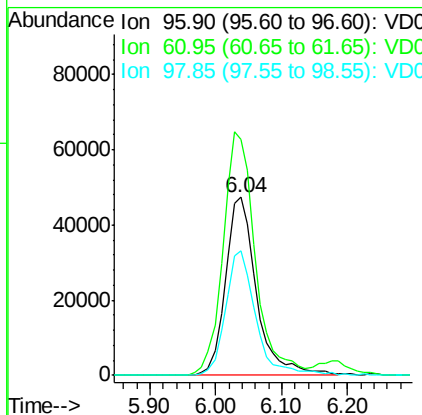
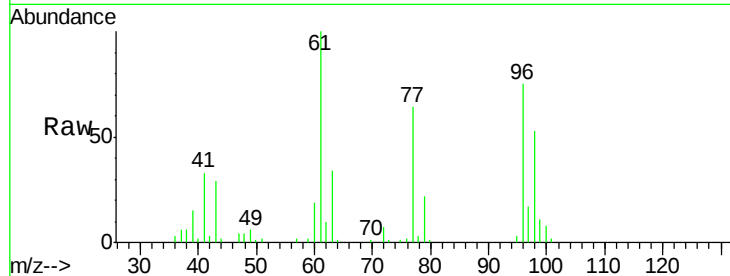


#27

cis-1,2-Dichloroethene
 Concen: 19.906 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.00 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :

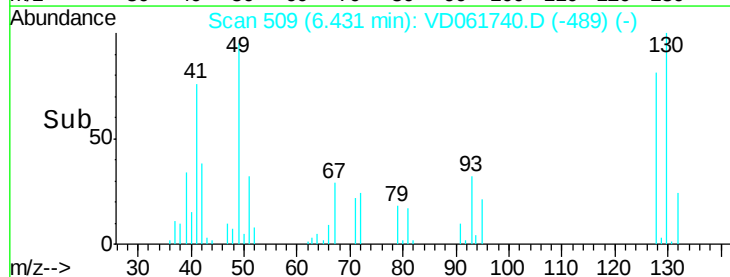
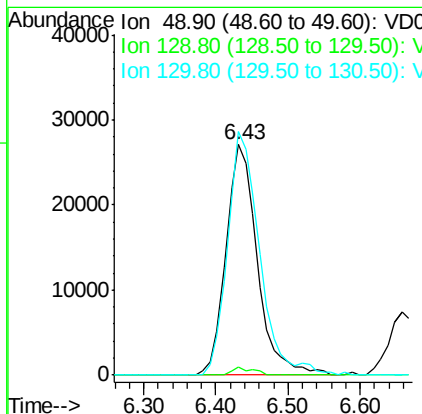
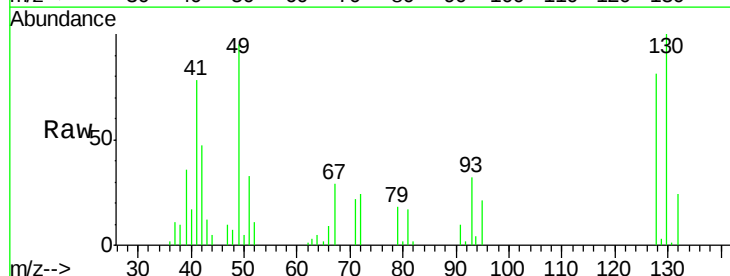
Tot Ion	Ratio	Lower	Upper
96	100		
61	132.8	0.0	259.8
98	69.9	0.0	127.6

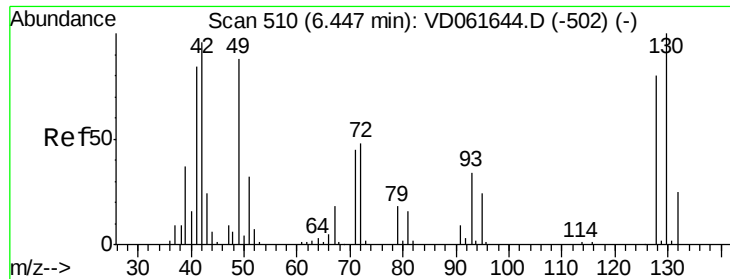


#28

Bromochloromethane
 Concen: 18.694 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.4	0.0	4.0
130	105.6	83.3	124.9

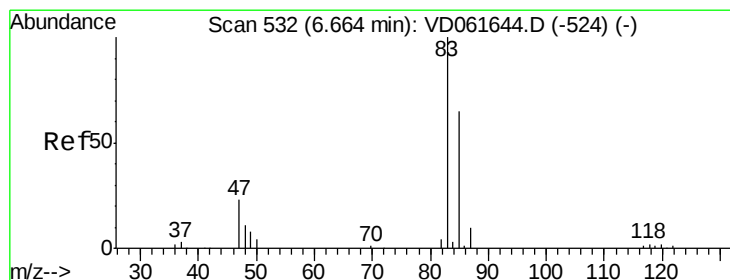
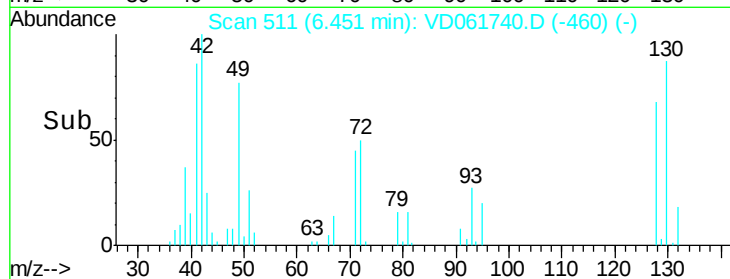
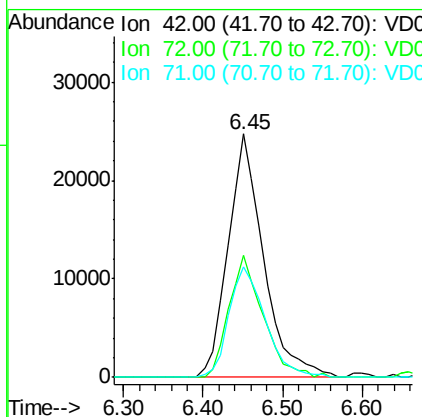
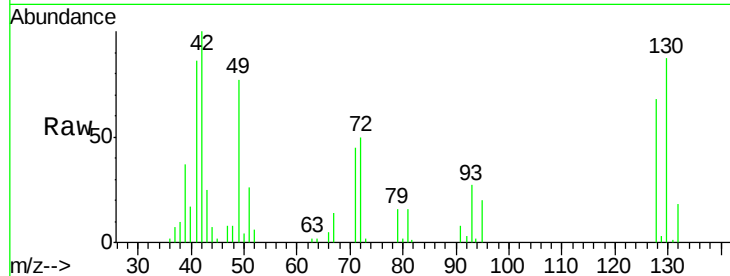




#29
Tetrahydrofuran
Concen: 93.394 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

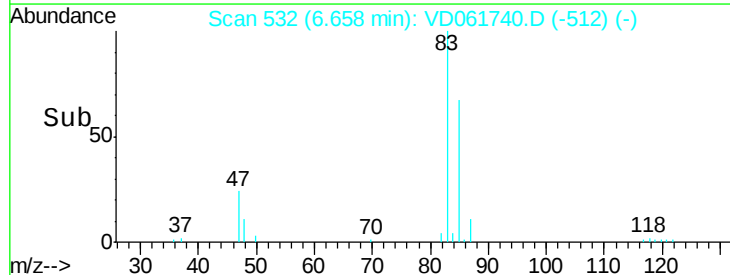
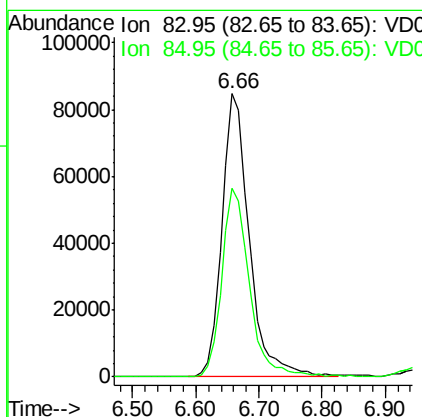
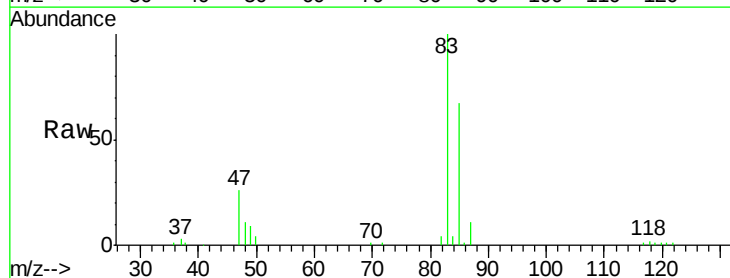
Instrument :
MSVOA_D
ClientSampled :

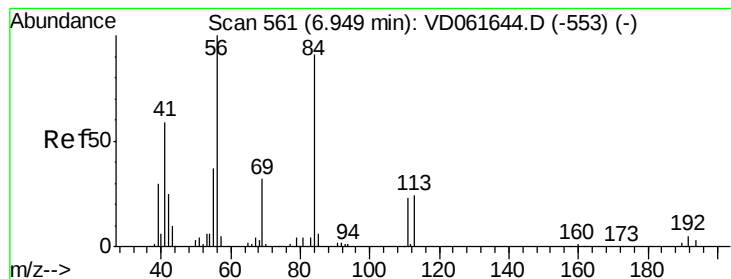
Tot Ion: 42 Resp: 76550
Ion Ratio Lower Upper
42 100
72 48.3 37.0 55.6
71 46.7 36.5 54.7



#30
Chloroform
Concen: 20.484 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Tgt Ion: 83 Resp: 254799
Ion Ratio Lower Upper
83 100
85 66.7 51.9 77.9





#31

Cyclohexane

Concen: 18.776 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

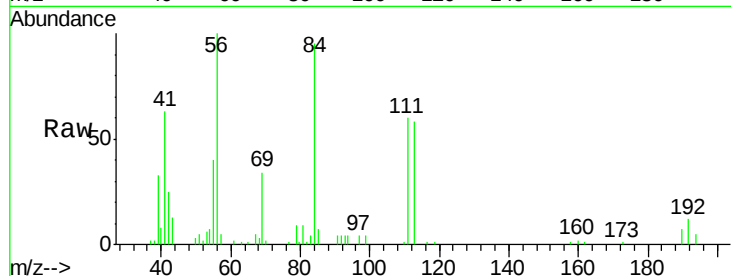
Tot Ion: 56 Resp: 174171

Ion Ratio Lower Upper

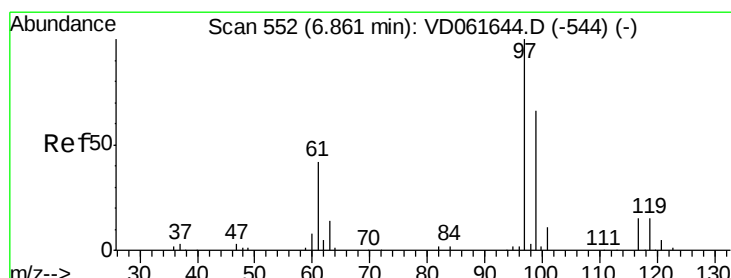
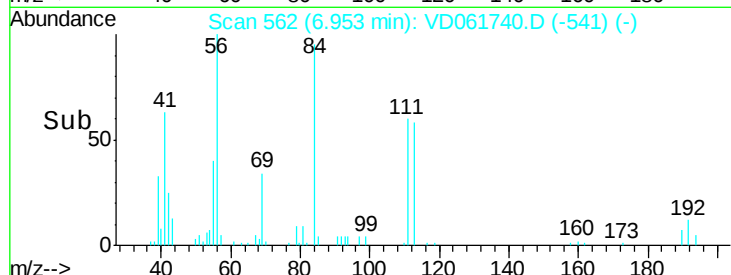
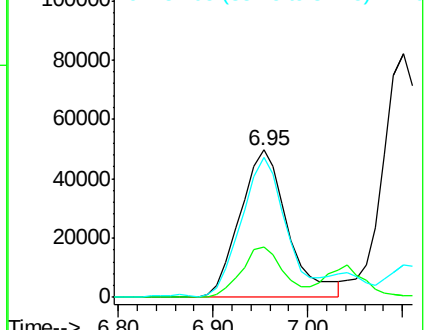
56 100

69 34.3 25.8 38.6

84 95.0 74.2 111.2



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



#32

1,1,1-Trichloroethane

Concen: 19.884 ug/l

RT: 6.86 min Scan# 553

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

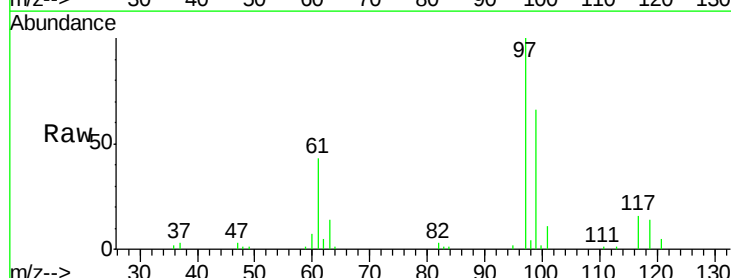
Tgt Ion: 97 Resp: 216747

Ion Ratio Lower Upper

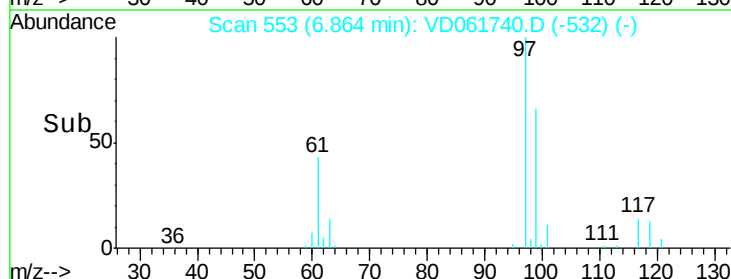
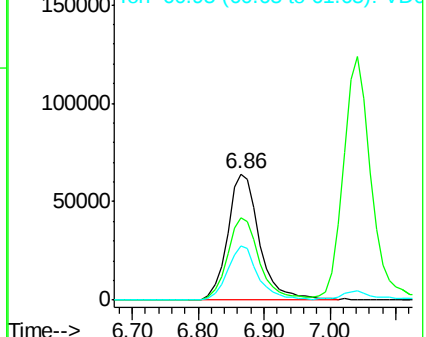
97 100

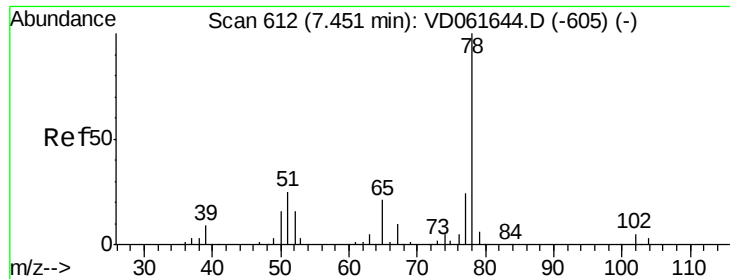
99 65.6 52.5 78.7

61 43.4 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

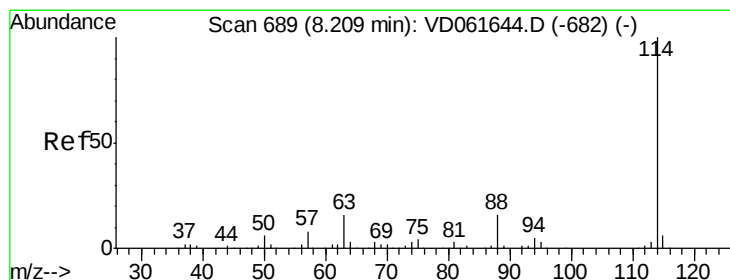
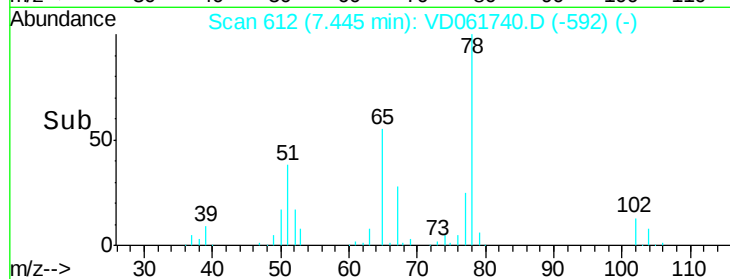
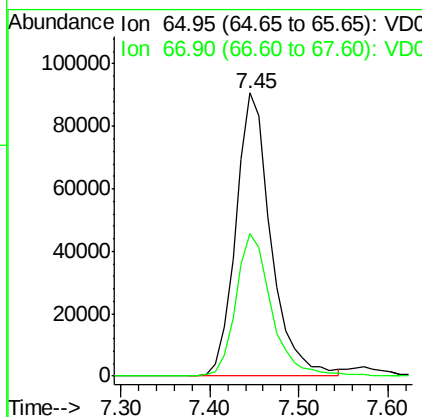
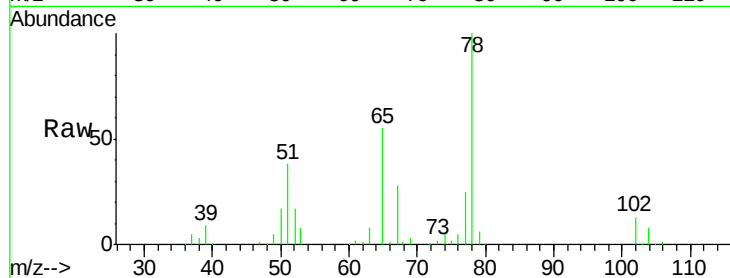




#33
 1,2-Dichloroethane-d4
 Concen: 19.884 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

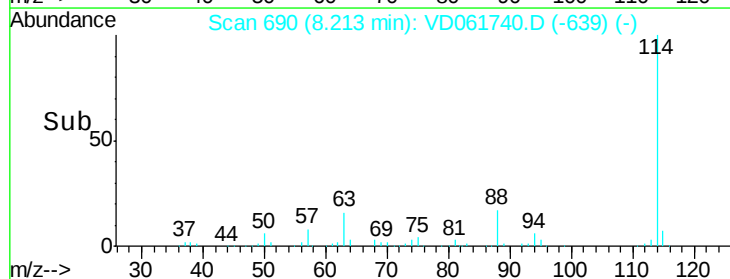
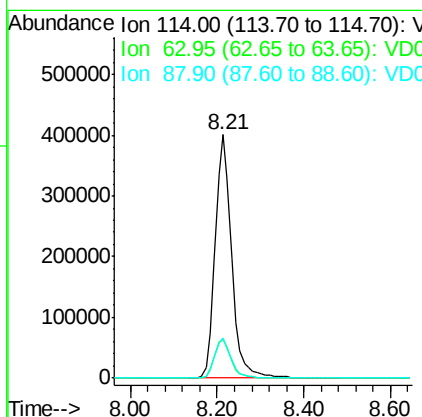
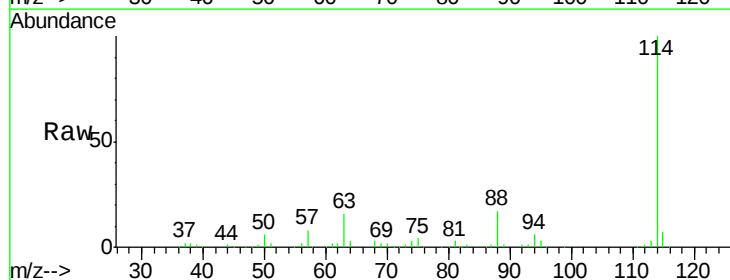
Instrument :
 MSVOA_D
 ClientSampleId :

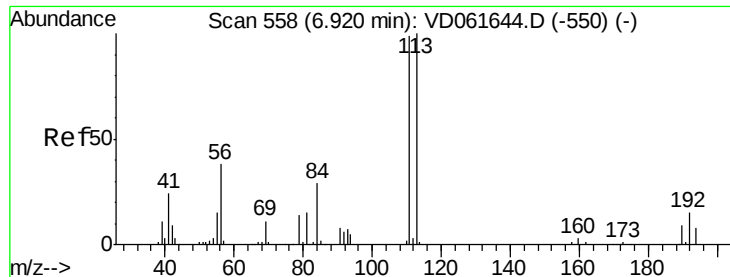
Tot Ion: 65 Resp: 248235
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Tgt Ion: 114 Resp: 1052331
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 31.2
 88 16.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :

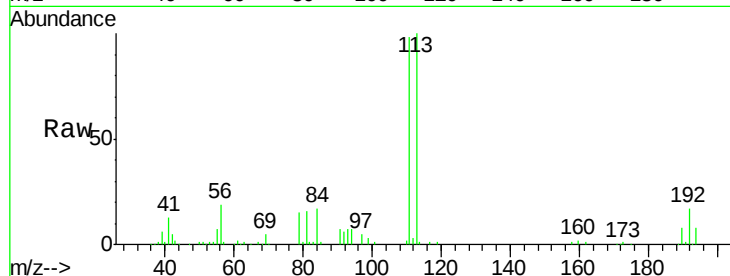
Tot Ion:113 Resp: 347740

Ion Ratio Lower Upper

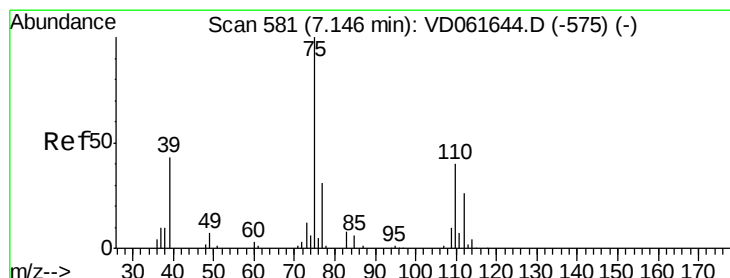
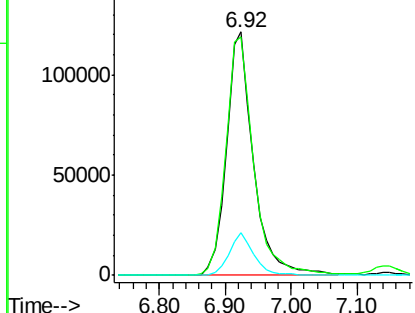
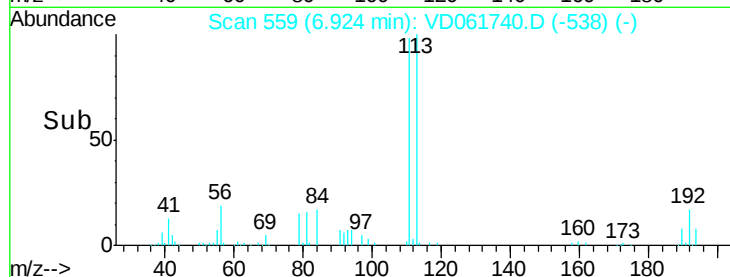
113 100

111 98.1 79.3 118.9

192 17.4 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: 19.909 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

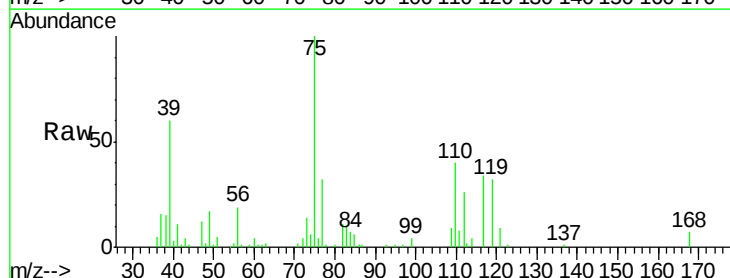
Tgt Ion: 75 Resp: 183357

Ion Ratio Lower Upper

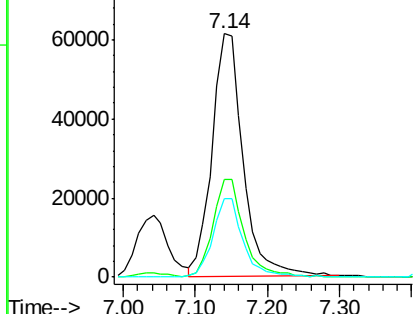
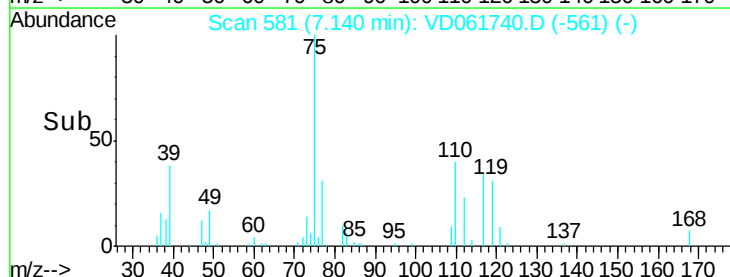
75 100

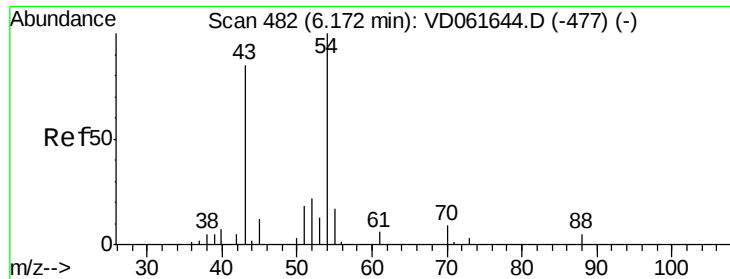
110 40.0 19.7 59.0

77 32.4 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

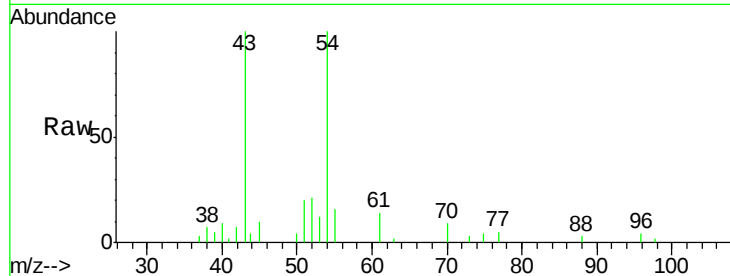




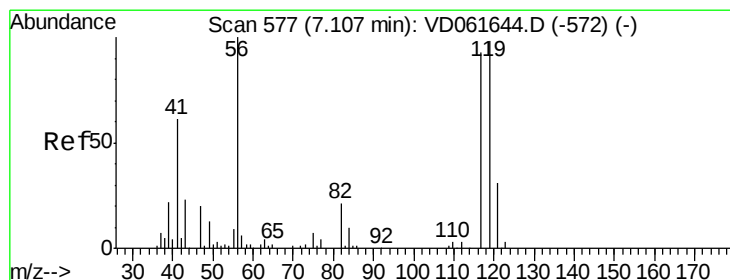
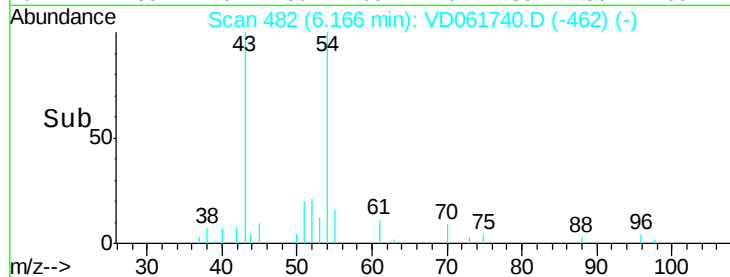
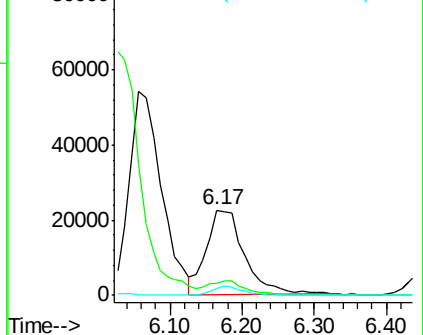
#37
Ethyl Acetate
Concen: 21.752 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 81599
Ion Ratio Lower Upper
43 100
61 14.5 11.9 17.9
70 8.8 6.9 10.3

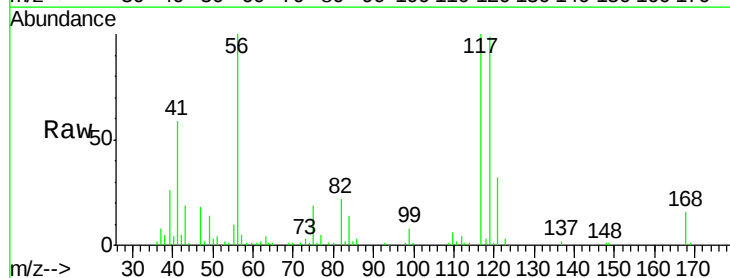


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

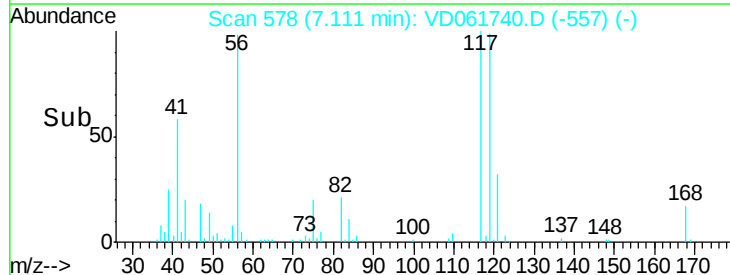
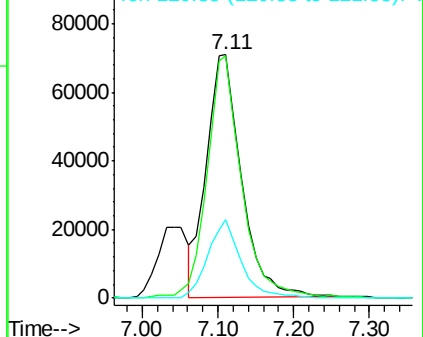


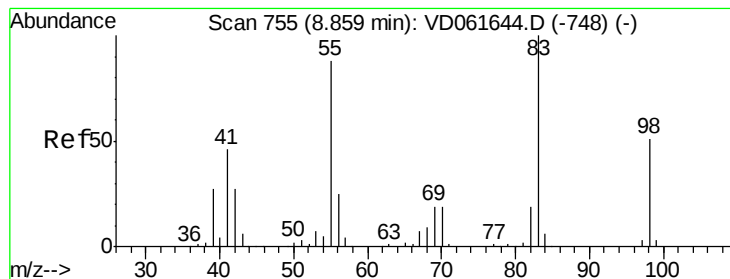
#38
Carbon Tetrachloride
Concen: 21.217 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.00 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Tgt Ion: 117 Resp: 229009
Ion Ratio Lower Upper
117 100
119 99.3 77.9 116.9
121 32.4 24.7 37.1



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





#39

Methvlcvclohexane

Concen: 19.621 ug/l

RT: 8.85 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

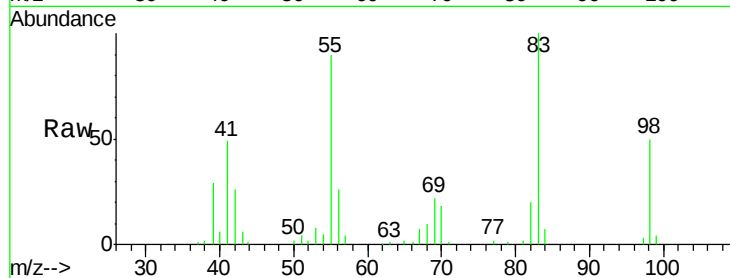
Tot Ion: 83 Resp: 185527

Ion Ratio Lower Upper

83 100

55 89.9 70.3 105.5

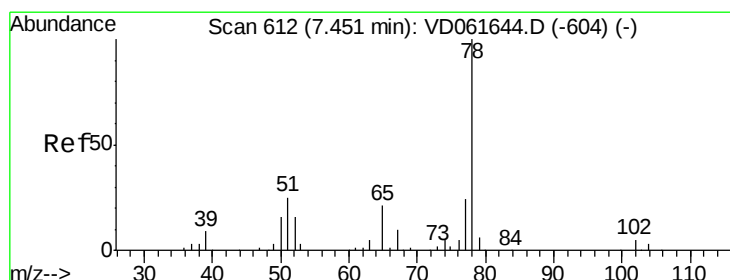
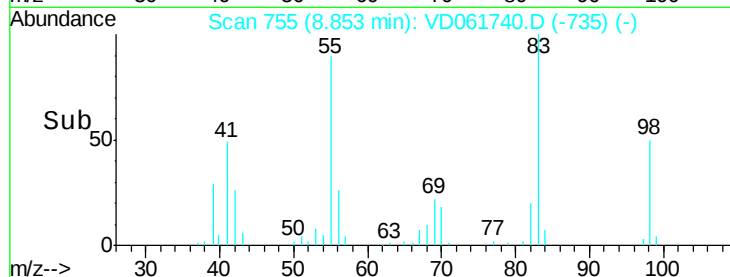
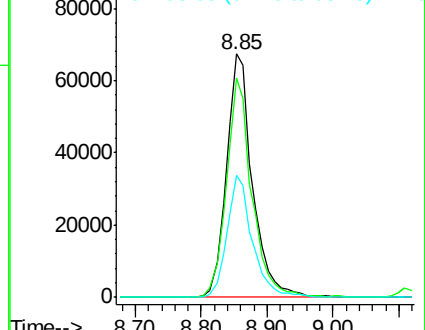
98 50.0 41.0 61.6



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 22.205 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD061740.D

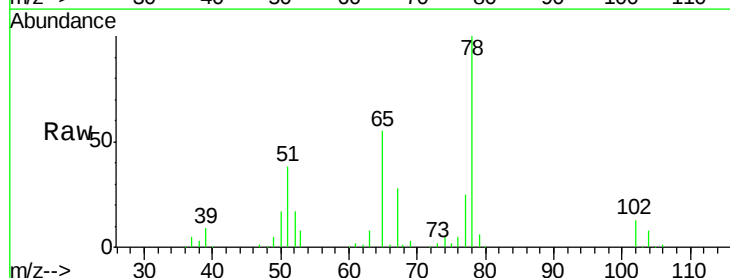
Acq: 11 Apr 2019 14:53

Tgt Ion: 78 Resp: 493359

Ion Ratio Lower Upper

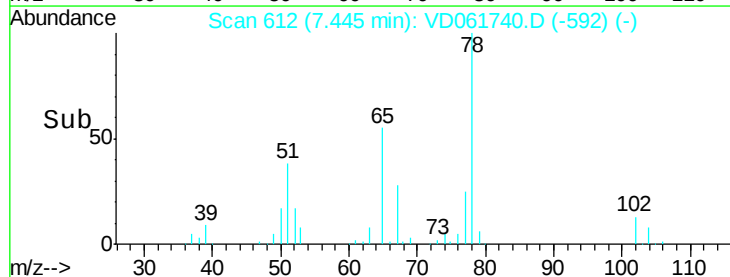
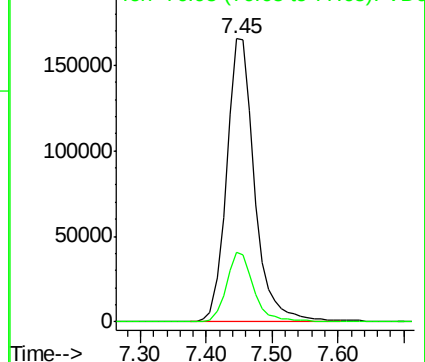
78 100

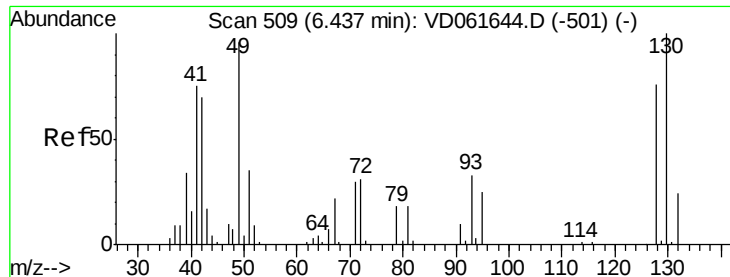
77 24.5 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 20.316 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 88967

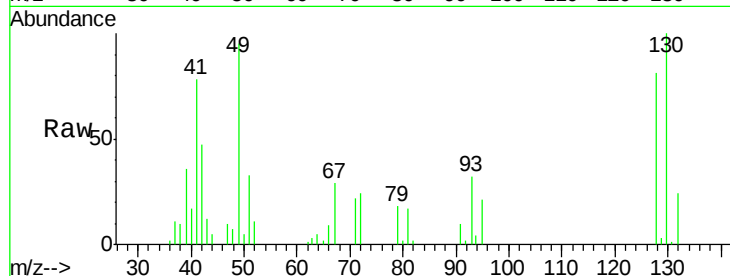
Ion Ratio Lower Upper

41 100

39 46.2 36.2 54.2

67 37.0 23.2 34.8#

52 14.6 10.0 15.0

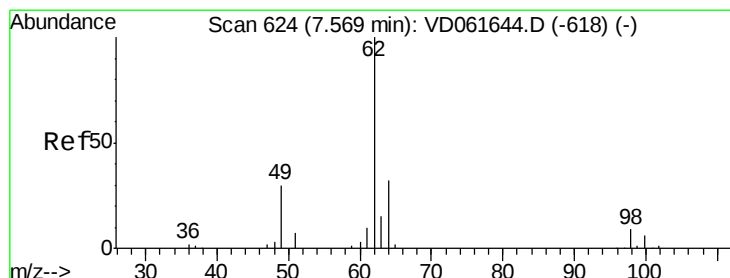
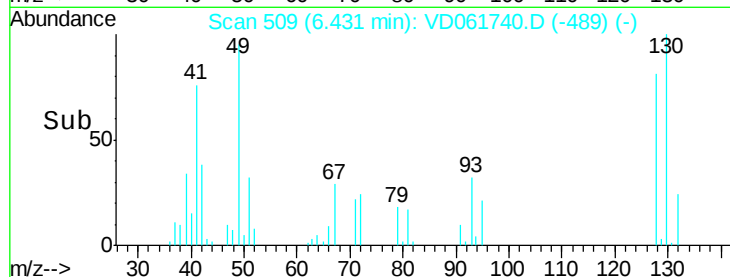
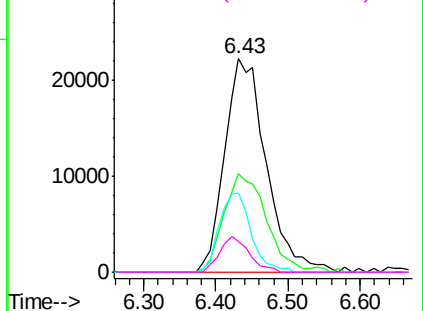


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.886 ug/l

RT: 7.57 min Scan# 625

Delta R.T. 0.00 min

Lab File: VD061740.D

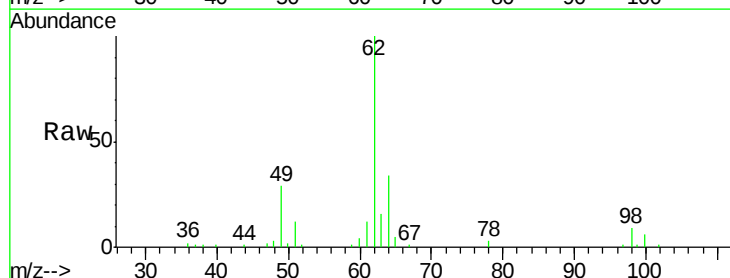
Acq: 11 Apr 2019 14:53

Tgt Ion: 62 Resp: 159917

Ion Ratio Lower Upper

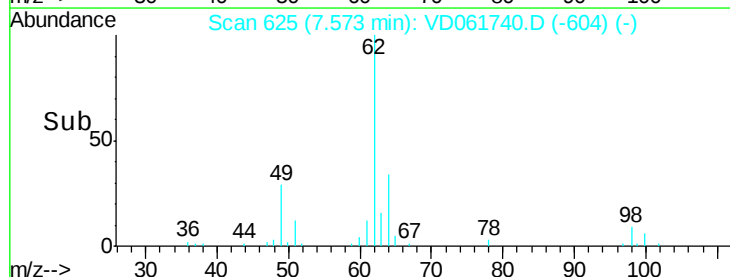
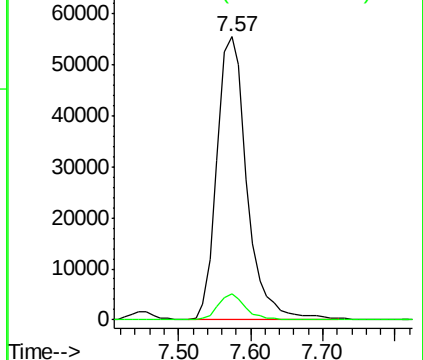
62 100

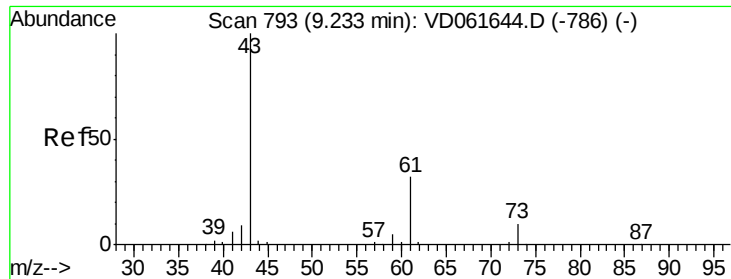
98 9.4 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



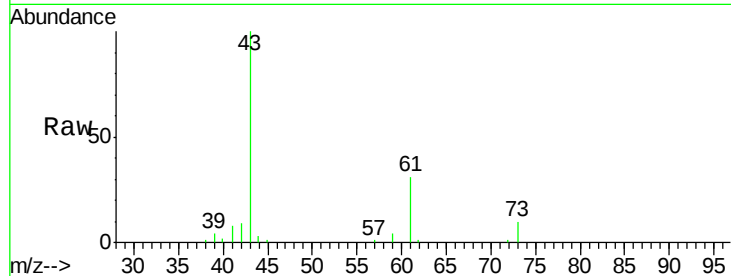


#43

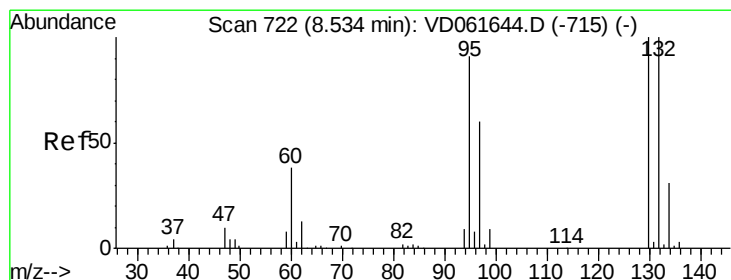
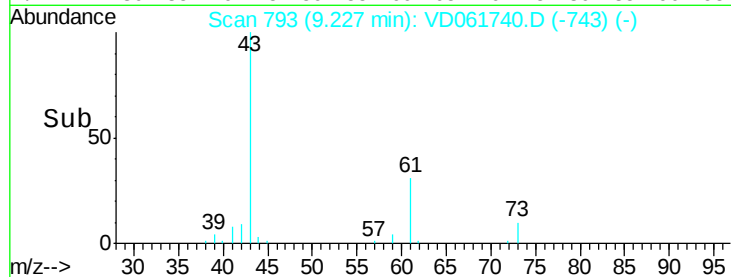
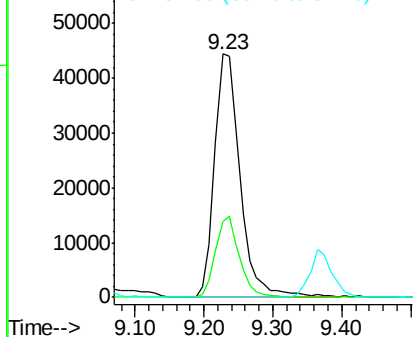
Isopropyl Acetate
 Concen: 21.087 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 43 Resp: 114803
 Ion Ratio Lower Upper
 43 100
 61 31.0 25.9 38.9
 87 0.0 0.2 0.4#



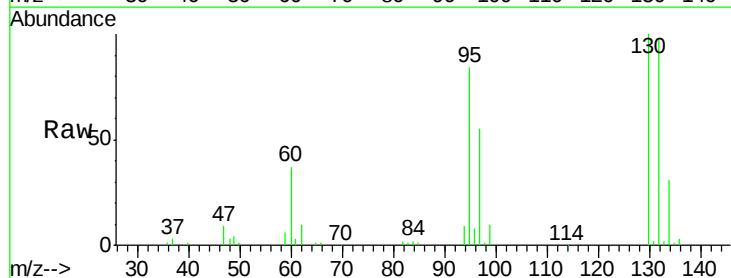
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



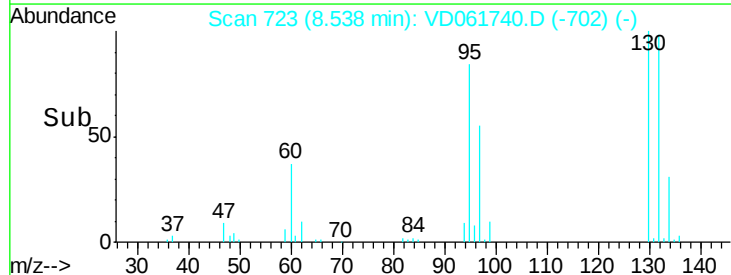
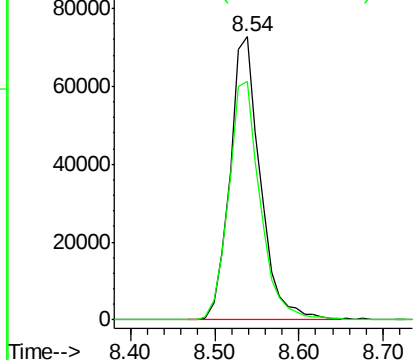
#44

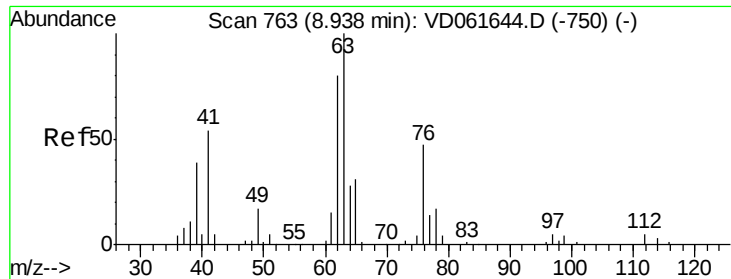
Trichloroethene
 Concen: 21.377 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.00 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Tgt Ion:130 Resp: 182091
 Ion Ratio Lower Upper
 130 100
 95 84.3 0.0 181.8



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





#45

1,2-Dichloropropane

Concen: 21.233 ug/l

RT: 8.93 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

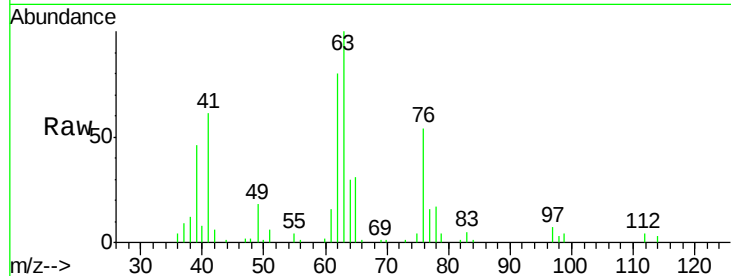
ClientSampleId :

Tot Ion: 63 Resp: 116995

Ion Ratio Lower Upper

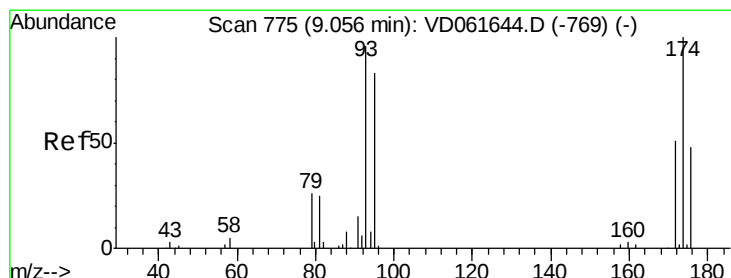
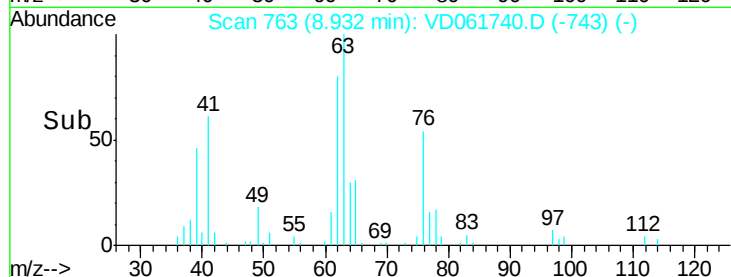
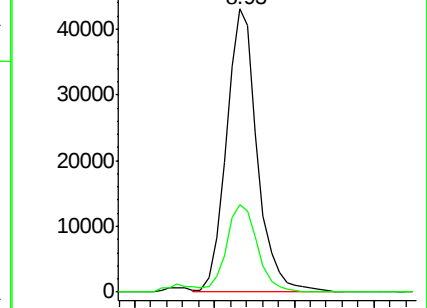
63 100

65 30.8 24.5 36.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.810 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

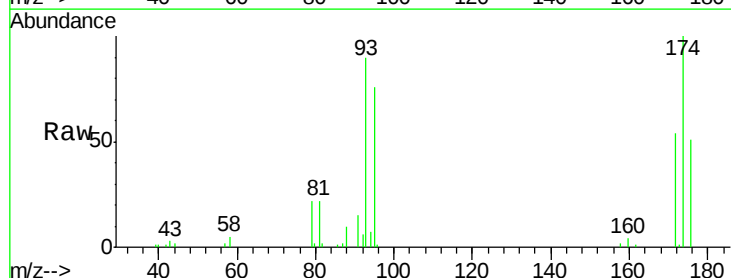
Tgt Ion: 93 Resp: 85890

Ion Ratio Lower Upper

93 100

95 84.8 68.6 103.0

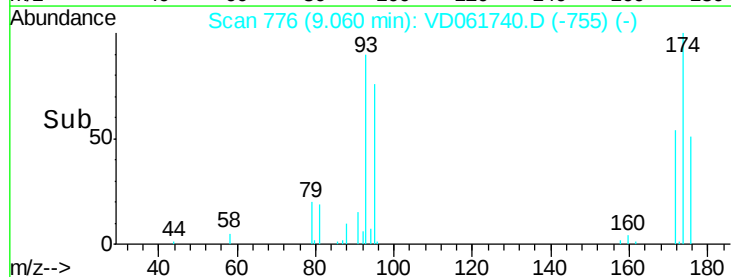
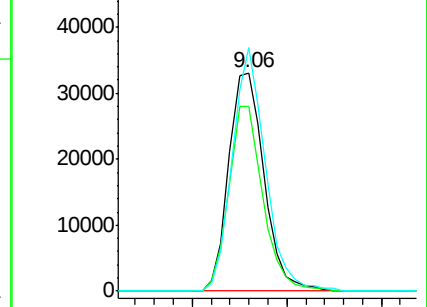
174 111.5 83.0 124.4



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 22.683 ug/l

RT: 9.36 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

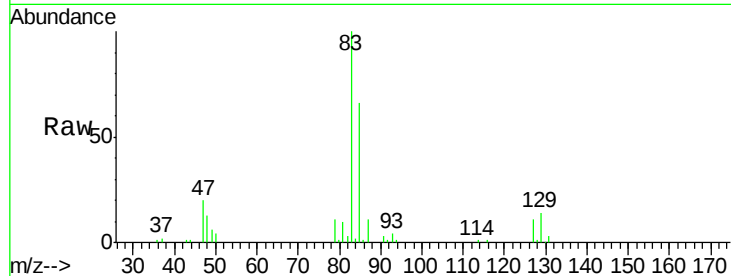
Tot Ion: 83 Resp: 196190

Ion Ratio Lower Upper

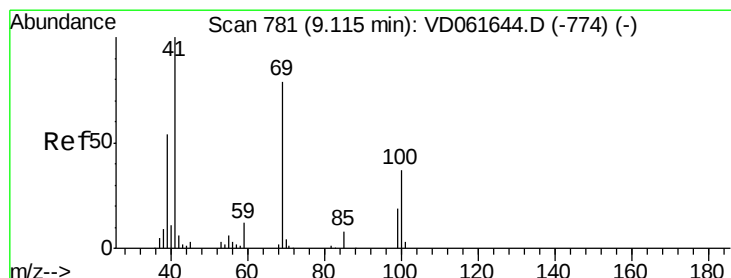
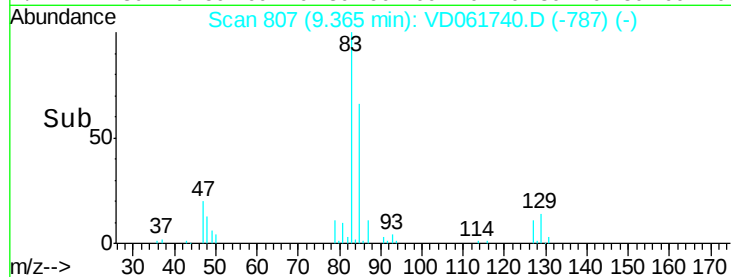
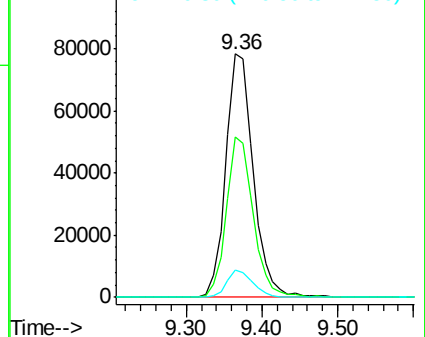
83 100

85 66.0 51.8 77.6

127 11.4 9.0 13.6



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



#48

Methyl methacrylate

Concen: 21.807 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

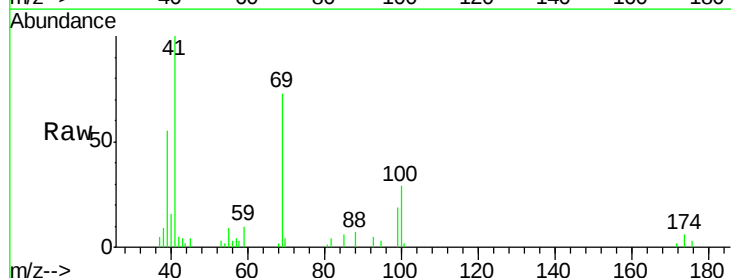
Tgt Ion: 41 Resp: 68435

Ion Ratio Lower Upper

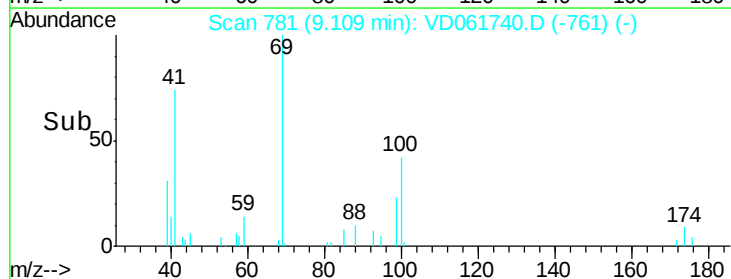
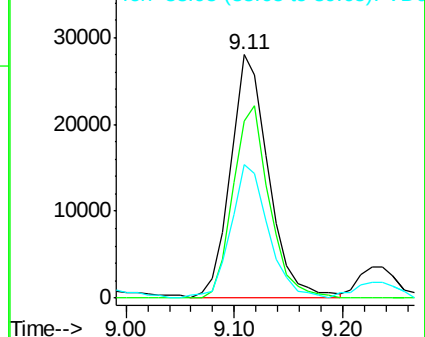
41 100

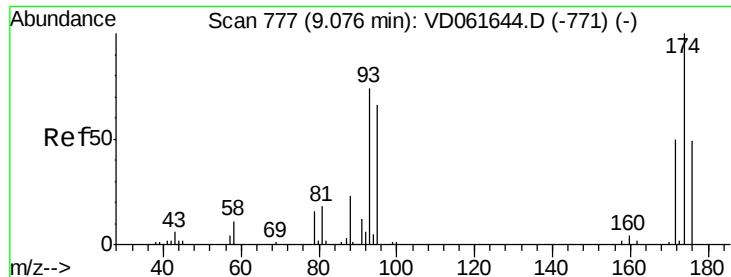
69 72.5 63.1 94.7

39 54.8 43.8 65.8



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

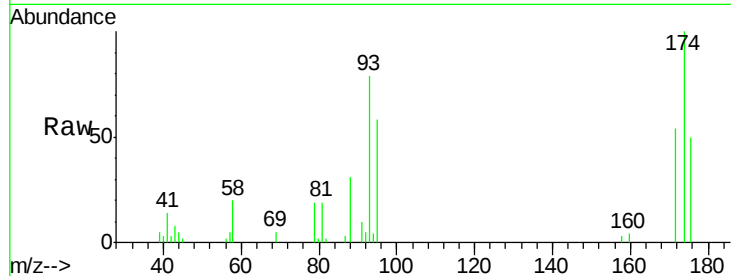




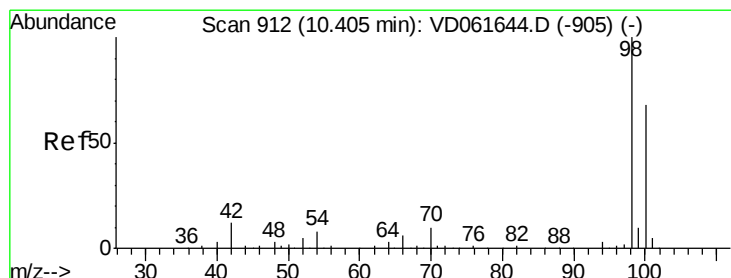
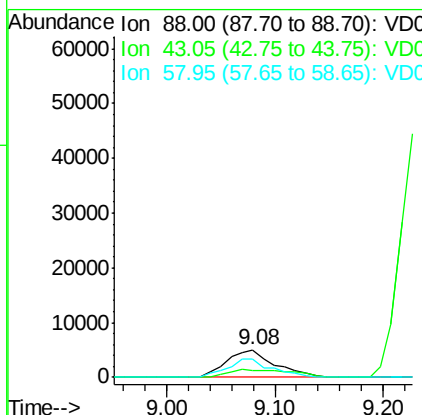
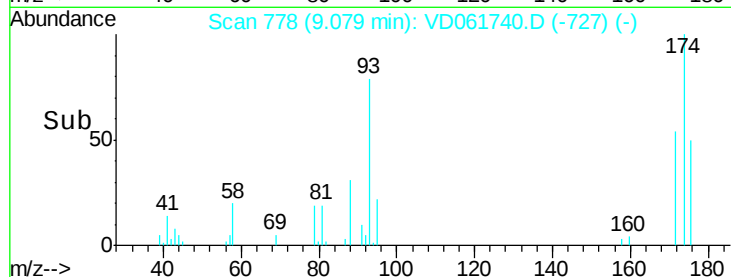
#49
1,4-Dioxane
Concen: 436.264 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.00 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 15112
Ion Ratio Lower Upper
88 100
43 27.0 21.8 32.8
58 64.8 40.2 60.2#

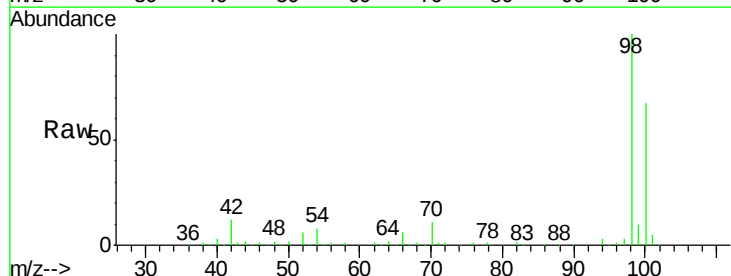


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

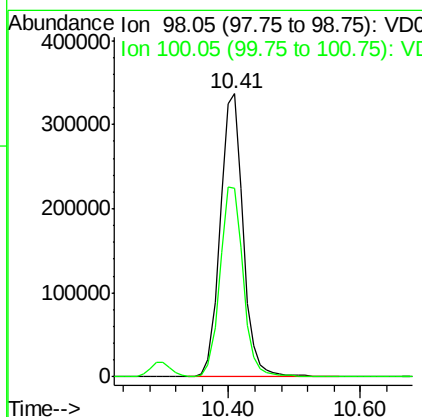
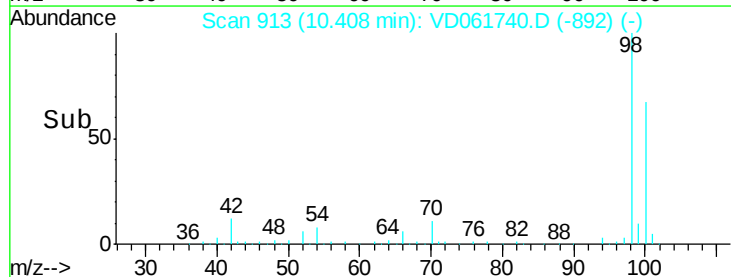


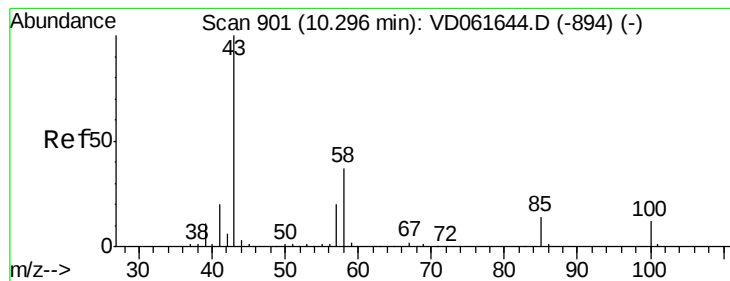
#50
Toluene-d8
Concen: 436.264 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Tgt Ion: 98 Resp: 815370
Ion Ratio Lower Upper
98 100
100 66.9 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: 104.630 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

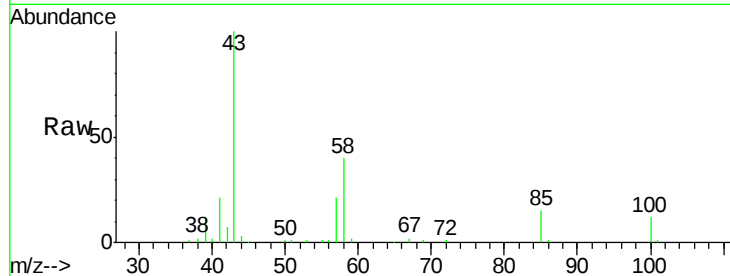
ClientSampleId :

Tot Ion: 43 Resp: 336877

Ion Ratio Lower Upper

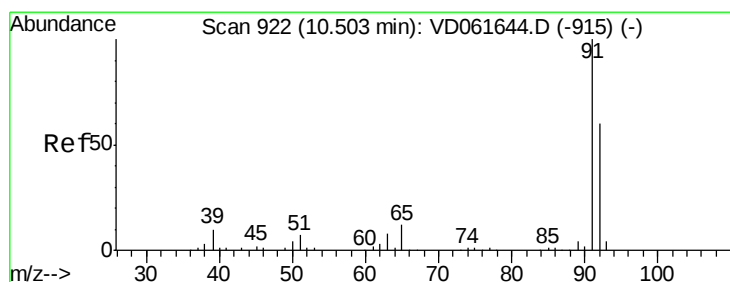
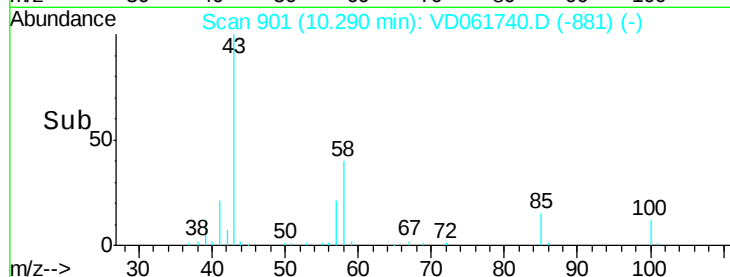
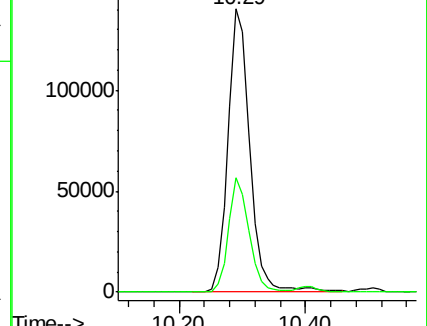
43 100

58 40.2 29.8 44.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.706 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD061740.D

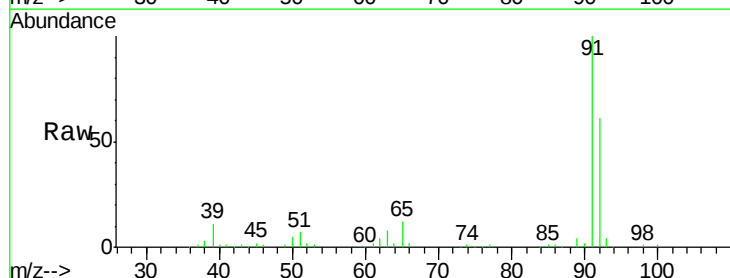
Acq: 11 Apr 2019 14:53

Tgt Ion: 92 Resp: 301150

Ion Ratio Lower Upper

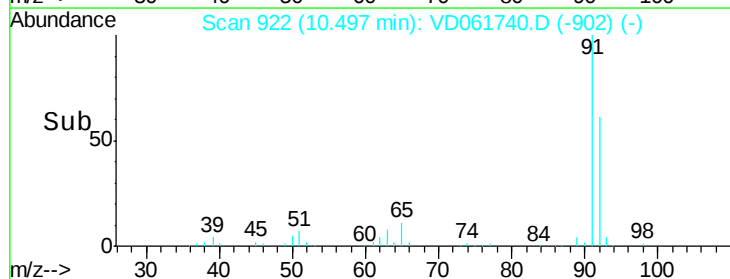
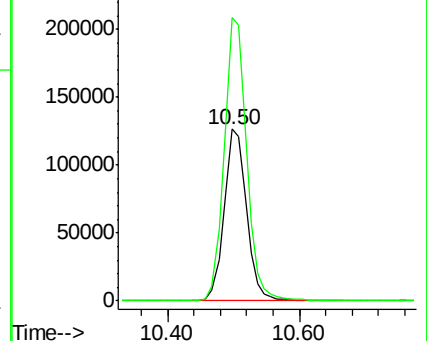
92 100

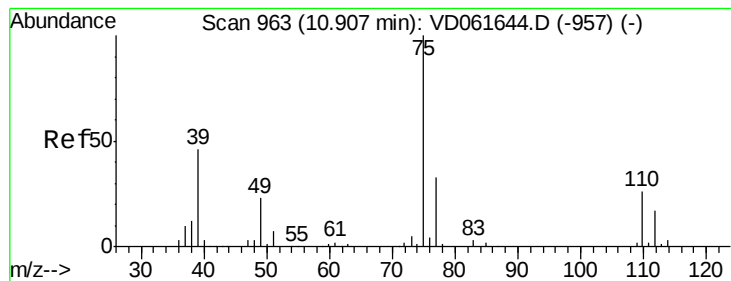
91 164.7 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.524 ug/l

RT: 10.91 min Scan# 964

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

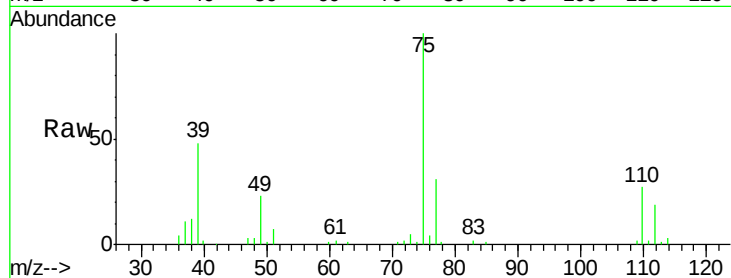
ClientSampleId :

Tot Ion: 75 Resp: 163189

Ion Ratio Lower Upper

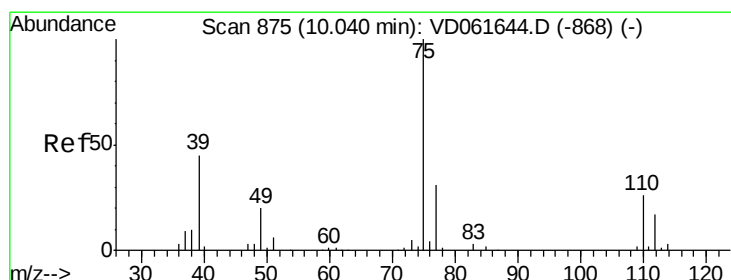
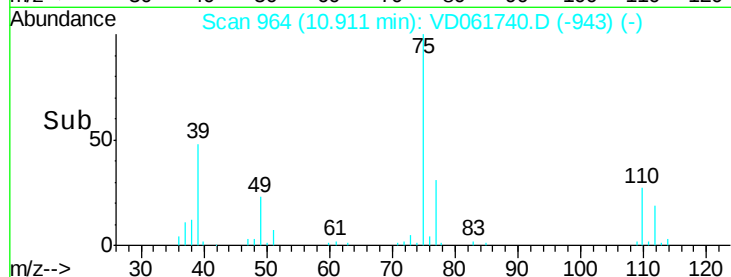
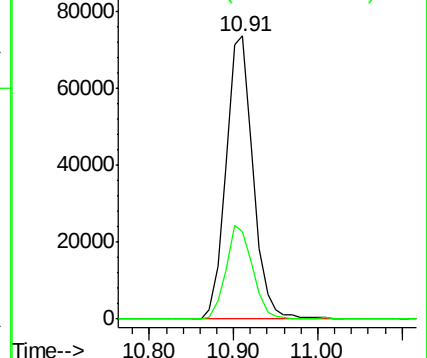
75 100

77 31.1 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: 21.701 ug/l

RT: 10.03 min Scan# 875

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

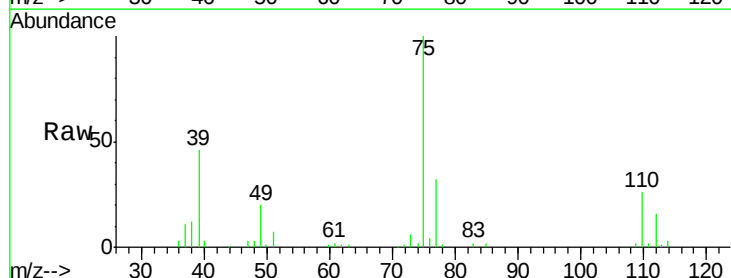
Tgt Ion: 75 Resp: 202814

Ion Ratio Lower Upper

75 100

77 32.0 24.6 37.0

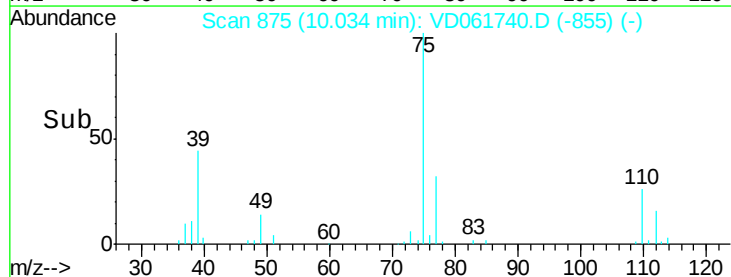
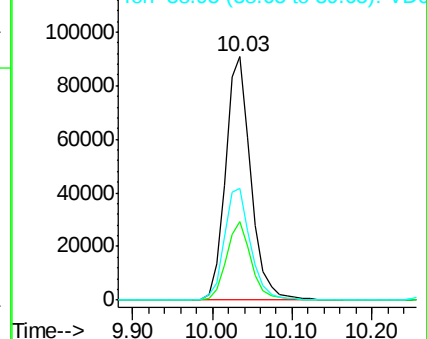
39 45.8 36.2 54.2

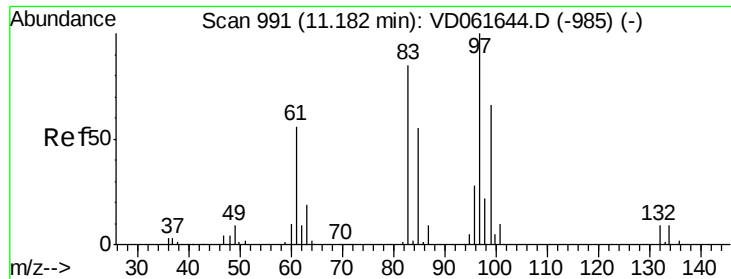


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

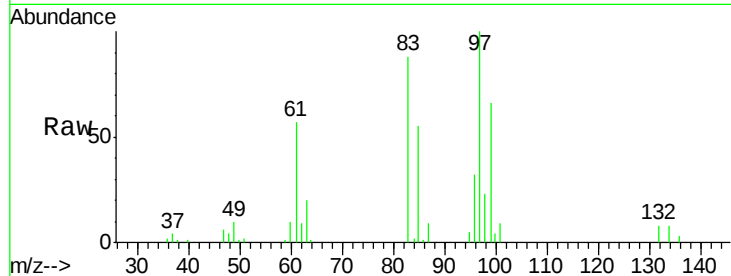




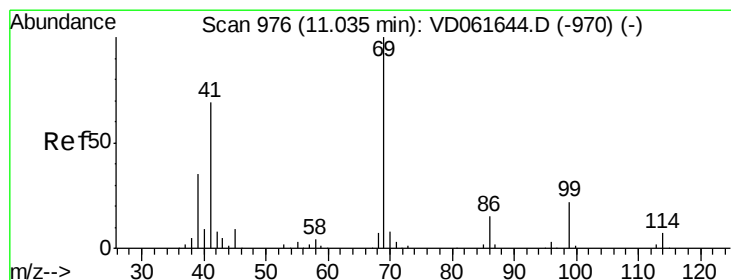
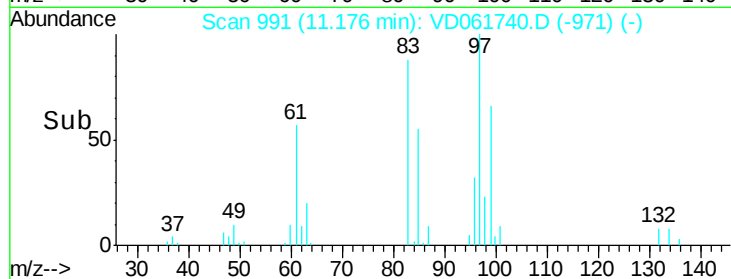
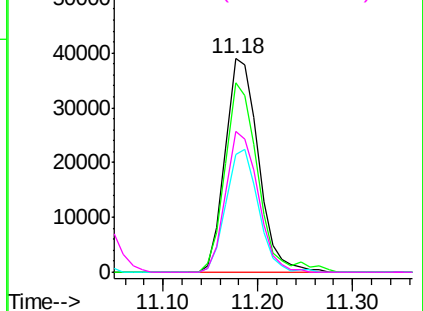
#55
 1,1,2-Trichloroethane
 Concen: 20.266 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 97 Resp: 94833
 Ion Ratio Lower Upper
 97 100
 83 88.5 67.8 101.6
 85 55.4 43.8 65.8
 99 65.7 52.8 79.2

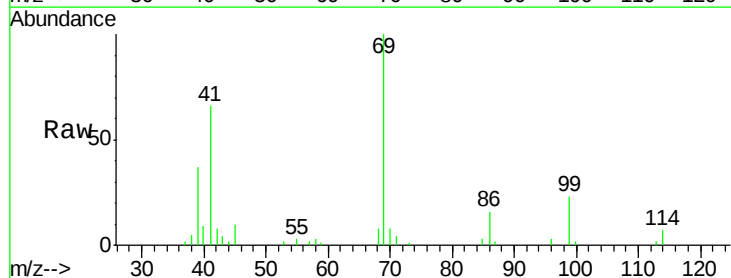


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

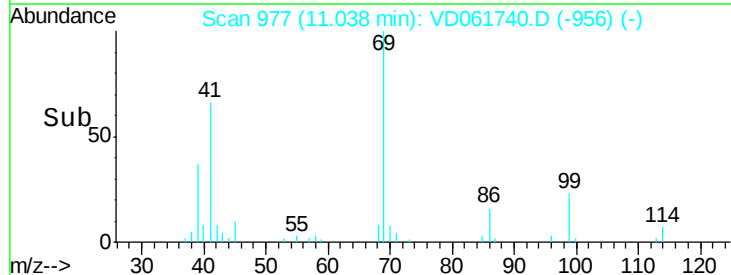
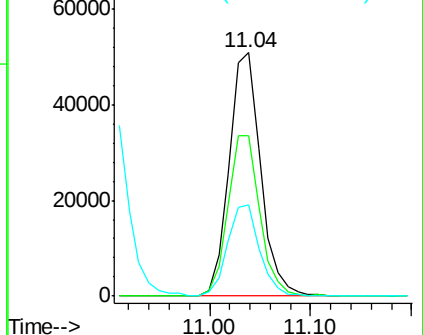


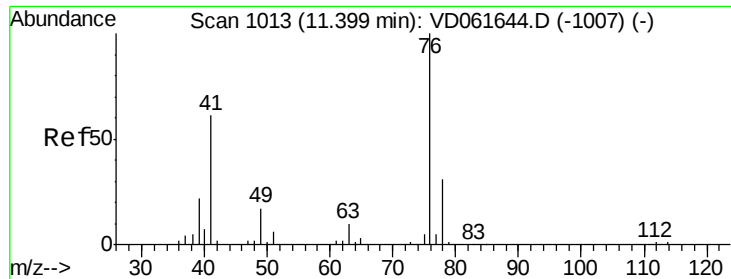
#56
 Ethyl methacrylate
 Concen: 22.254 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Tgt Ion: 69 Resp: 109855
 Ion Ratio Lower Upper
 69 100
 41 65.7 55.2 82.8
 39 37.3 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

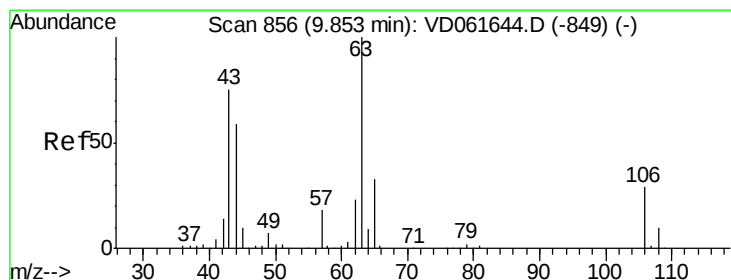
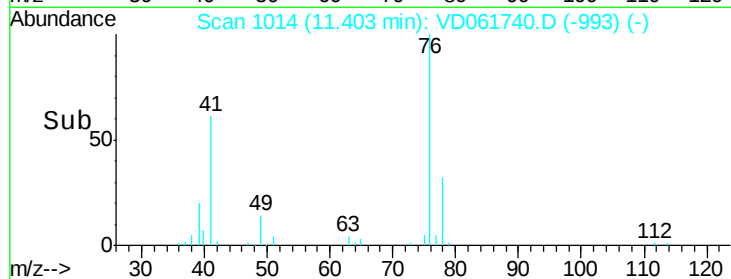
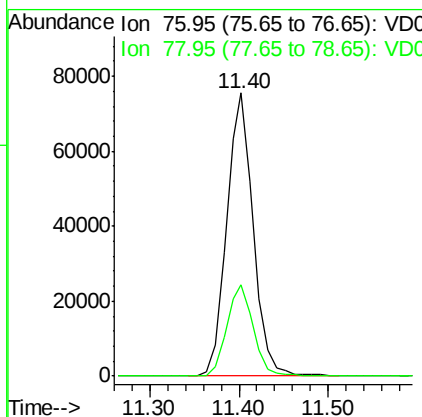
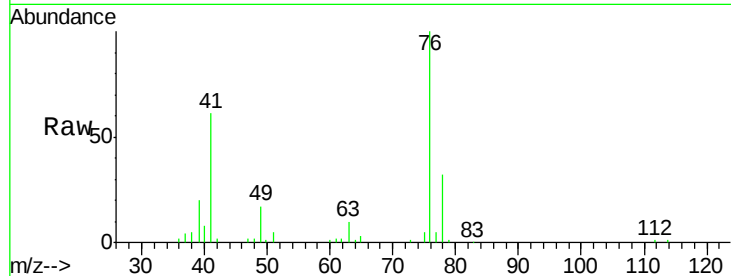




#57
 1,3-Dichloropropane
 Concen: 22.941 ug/l
 RT: 11.40 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

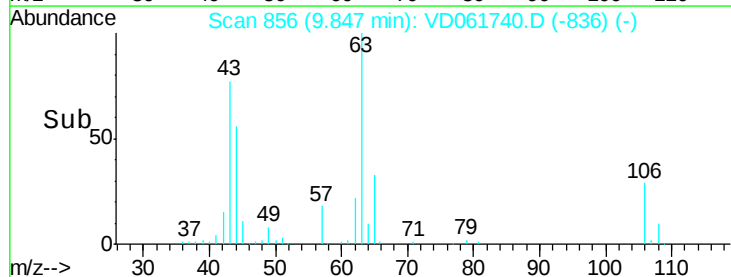
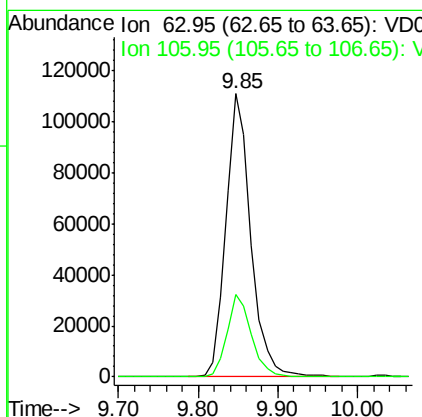
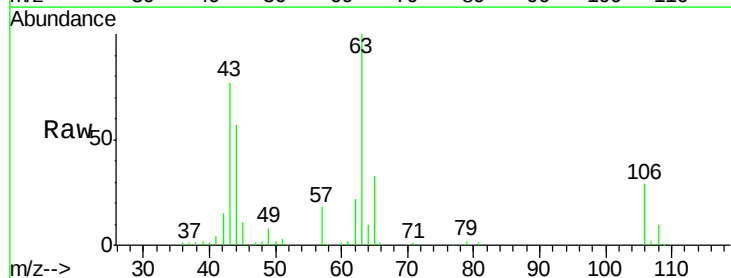
Instrument :
 MSVOA_D
 ClientSampleId :

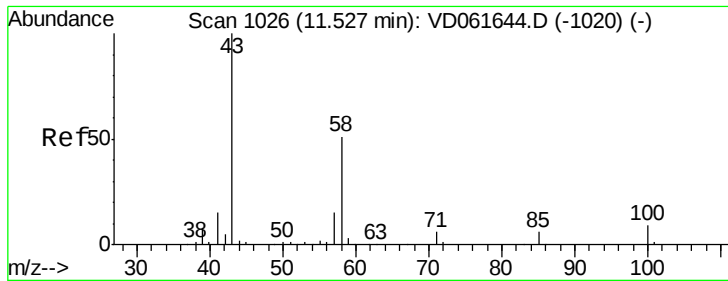
Tot Ion: 76 Resp: 157210
 Ion Ratio Lower Upper
 76 100
 78 32.4 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.449 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Tgt Ion: 63 Resp: 243285
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.0 34.6





#59

2-Hexanone

Concen: 106.527 ug/l

RT: 11.52 min Scan# 1026

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

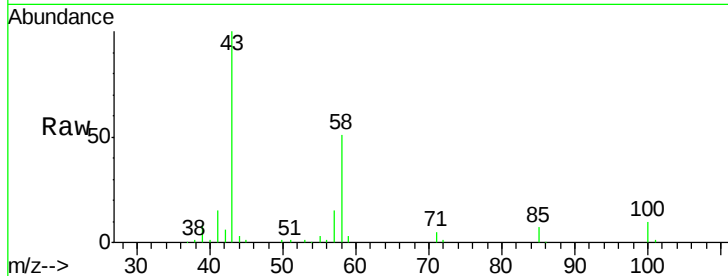
ClientSampled :

Tot Ion: 43 Resp: 266182

Ion Ratio Lower Upper

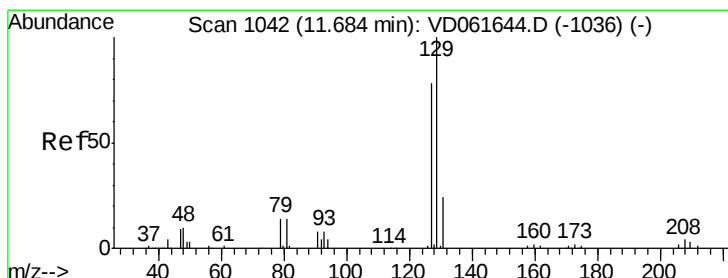
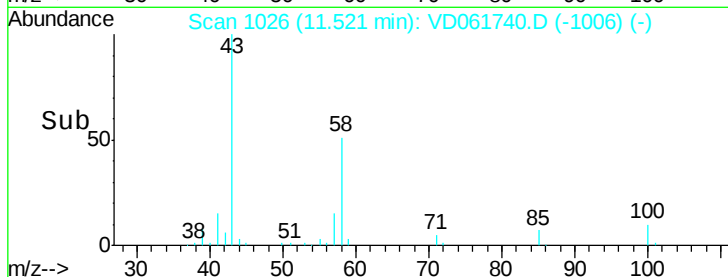
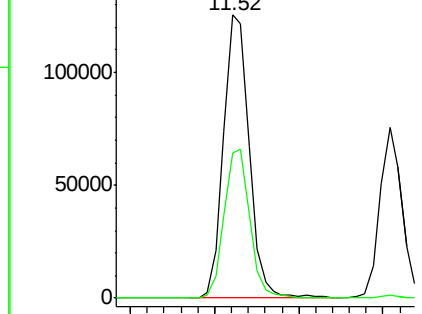
43 100

58 51.3 25.6 76.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 21.508 ug/l

RT: 11.68 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VD061740.D

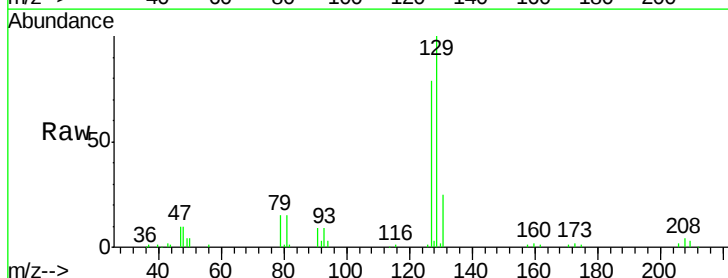
Acq: 11 Apr 2019 14:53

Tgt Ion:129 Resp: 159007

Ion Ratio Lower Upper

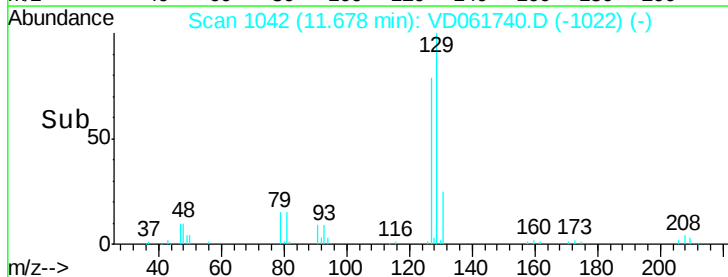
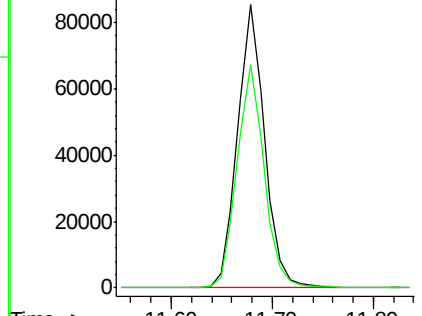
129 100

127 78.7 38.8 116.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

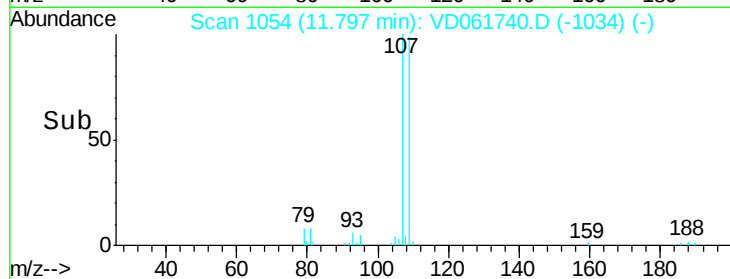
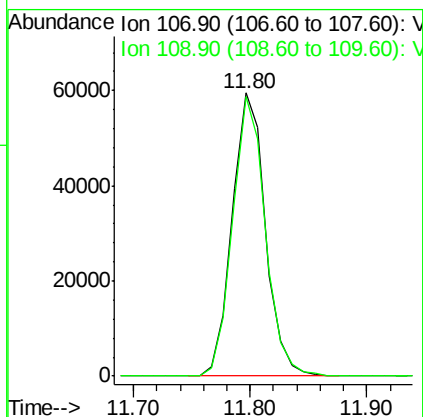
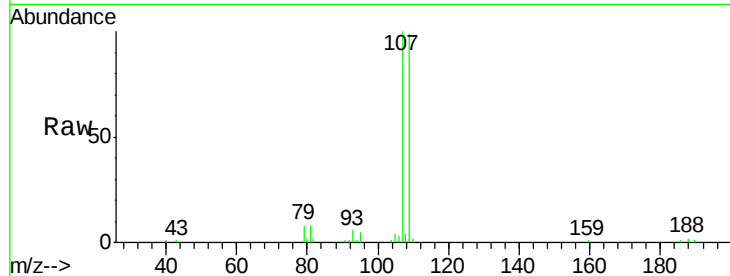




#61
 1,2-Dibromoethane
 Concen: 21.368 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

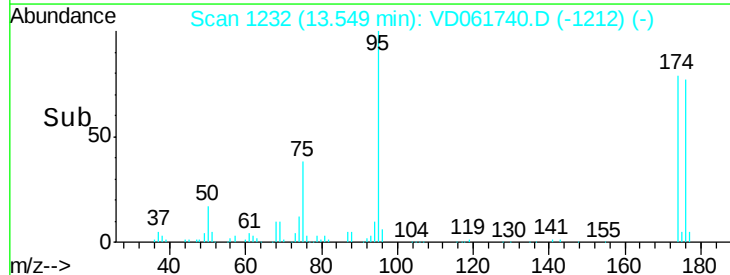
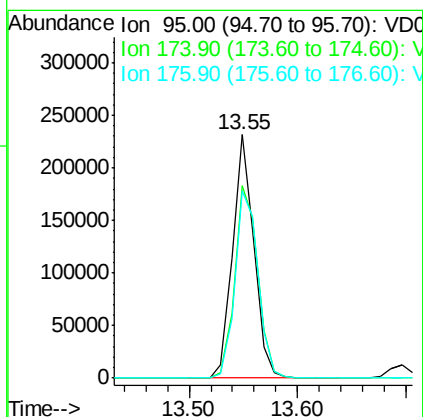
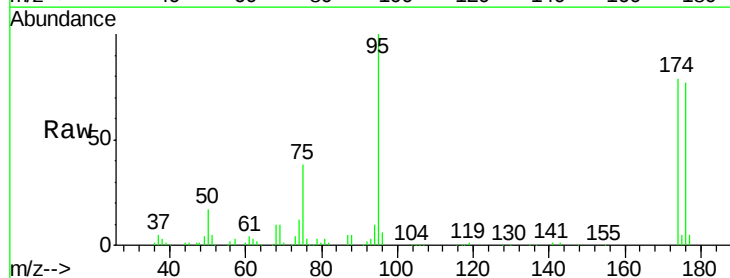
Instrument :
 MSVOA_D
 ClientSampleId :

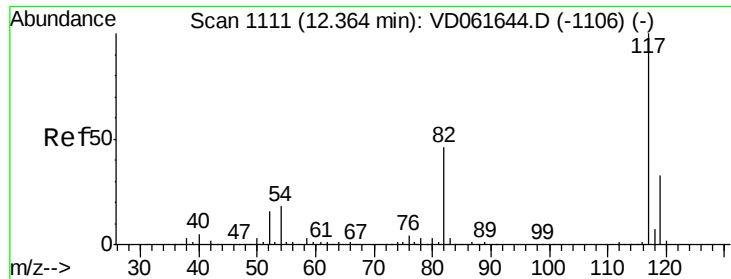
Tot Ion:107 Resp: 116933
 Ion Ratio Lower Upper
 107 100
 109 98.5 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 21.368 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Tgt Ion: 95 Resp: 317749
 Ion Ratio Lower Upper
 95 100
 174 78.8 0.0 164.6
 176 76.7 0.0 165.0

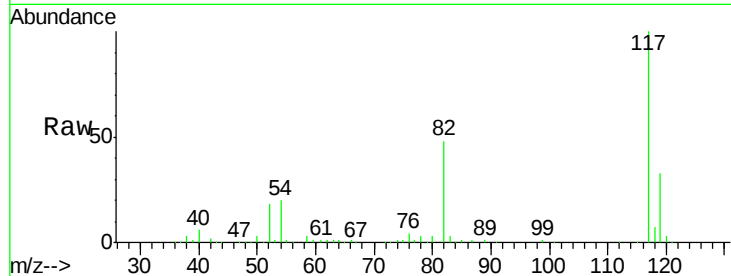




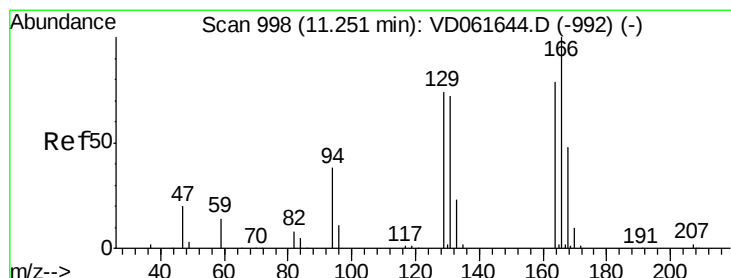
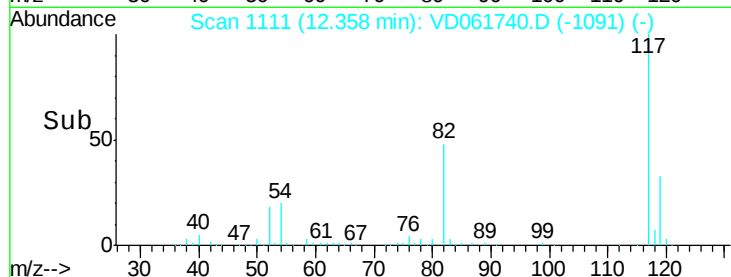
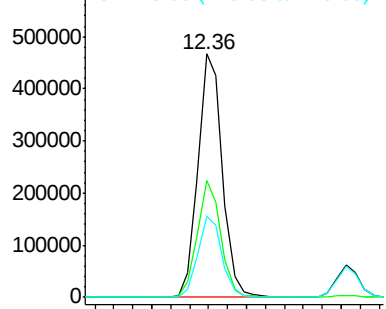
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 830188
Ion Ratio Lower Upper
117 100
82 48.3 36.8 55.2
119 33.4 26.1 39.1

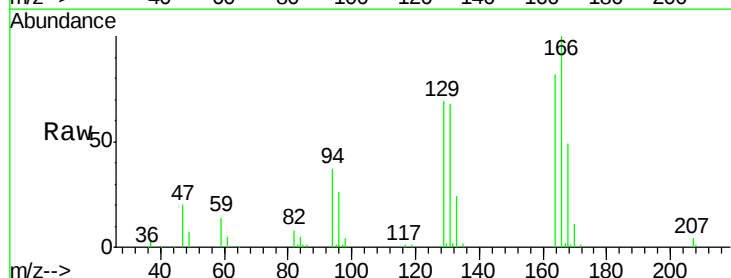


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

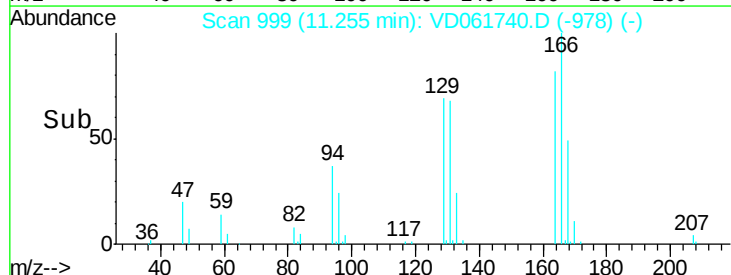
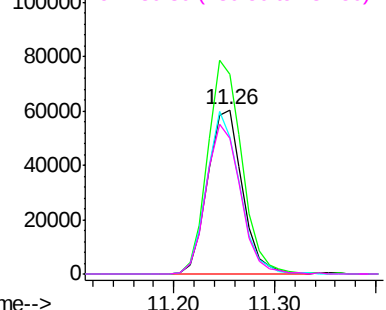


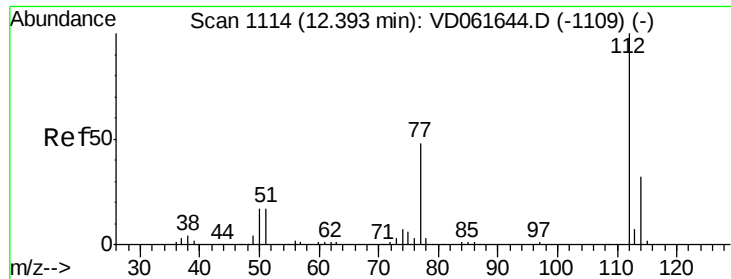
#64
Tetrachloroethene
Concen: 22.396 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Tgt Ion:164 Resp: 144325
Ion Ratio Lower Upper
164 100
166 121.5 101.8 152.8
129 83.4 75.4 113.0
131 82.7 73.6 110.4



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

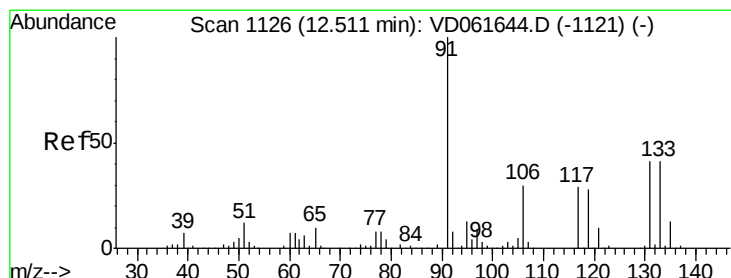
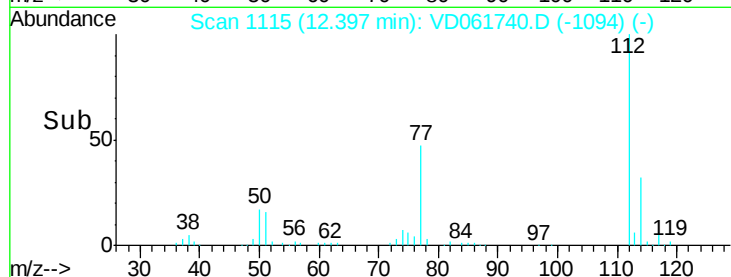
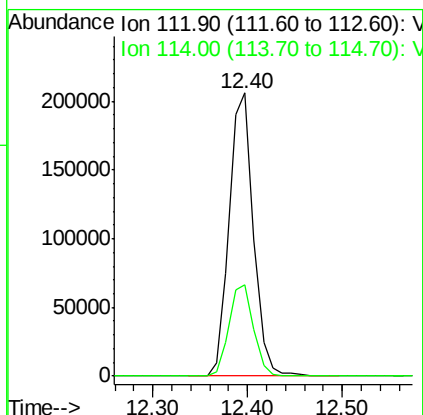
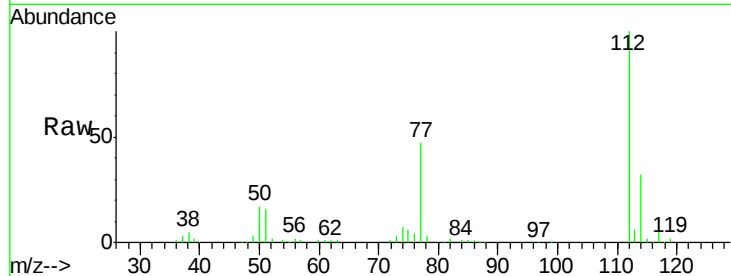




#65
Chlorobenzene
Concen: 22.140 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

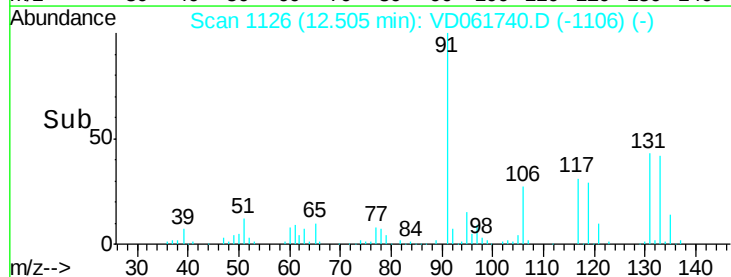
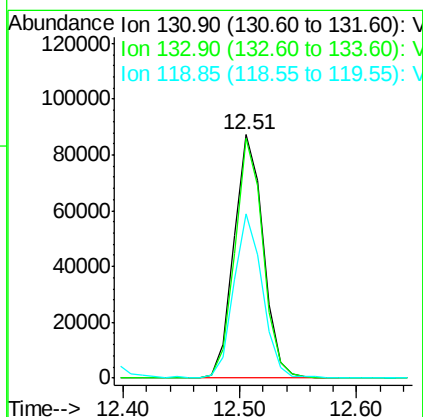
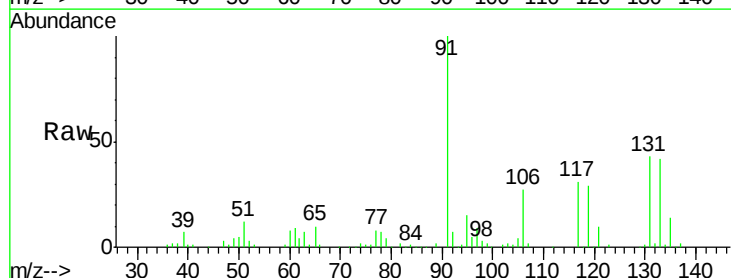
Instrument :
MSVOA_D
ClientSampled :

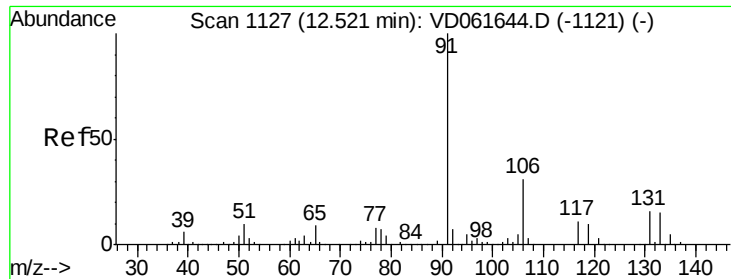
Tot Ion:112 Resp: 364504
Ion Ratio Lower Upper
112 100
114 32.5 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 23.973 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Tgt Ion:131 Resp: 151877
Ion Ratio Lower Upper
131 100
133 98.6 49.5 148.3
119 67.7 34.7 104.1

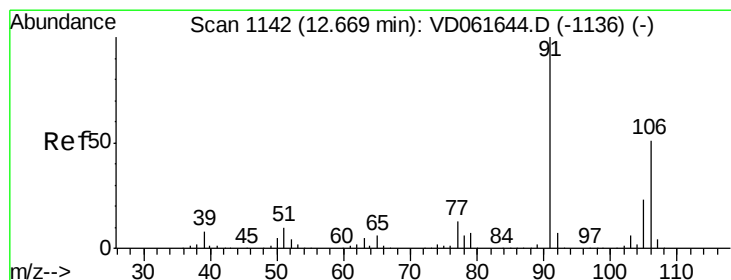
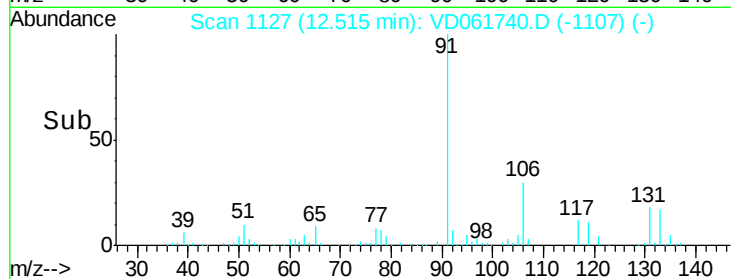
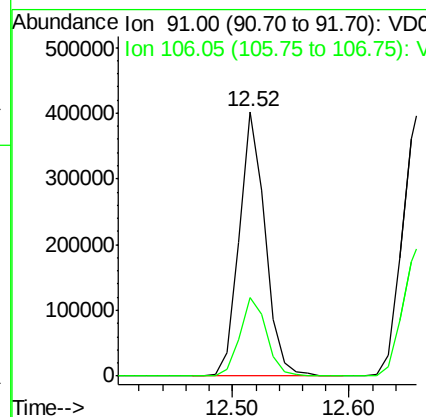
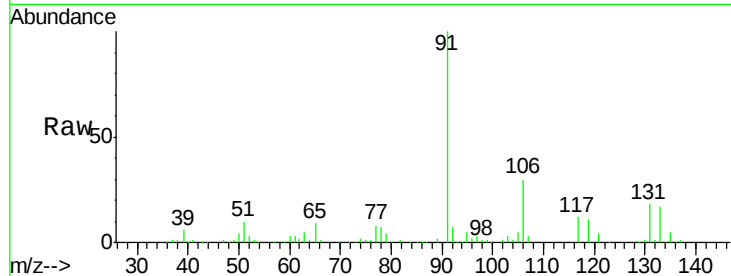




#67
Ethyl Benzene
Concen: 24.668 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

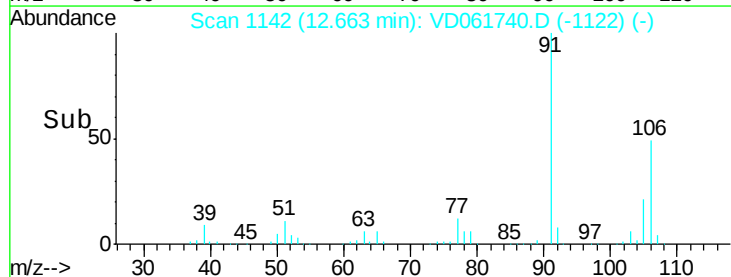
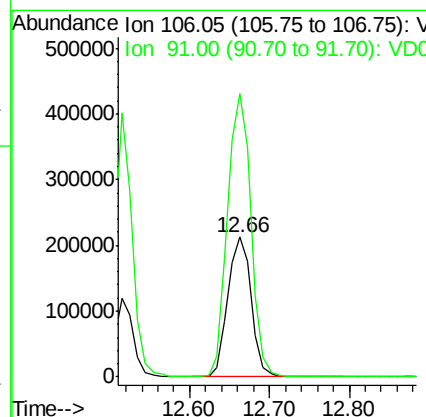
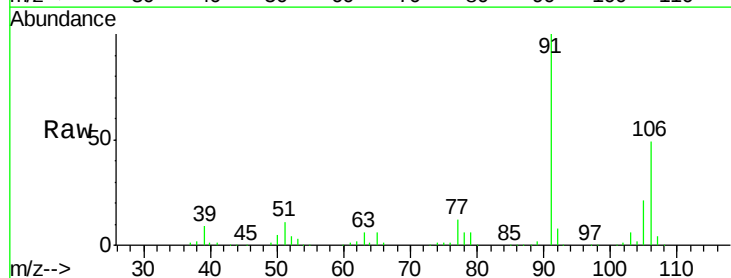
Instrument :
MSVOA_D
ClientSampled :

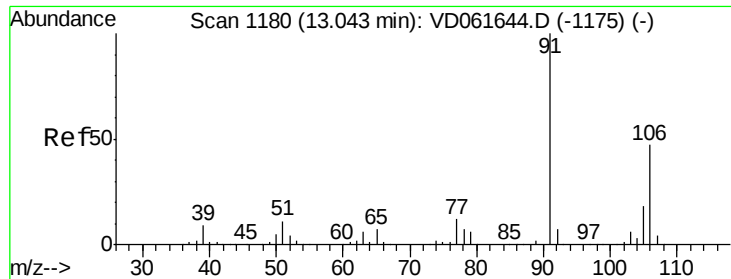
Tot Ion: 91 Resp: 618435
Ion Ratio Lower Upper
91 100
106 29.9 24.6 37.0



#68
m/p-Xylenes
Concen: 45.799 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Tgt Ion: 106 Resp: 442659
Ion Ratio Lower Upper
106 100
91 202.2 156.7 235.1

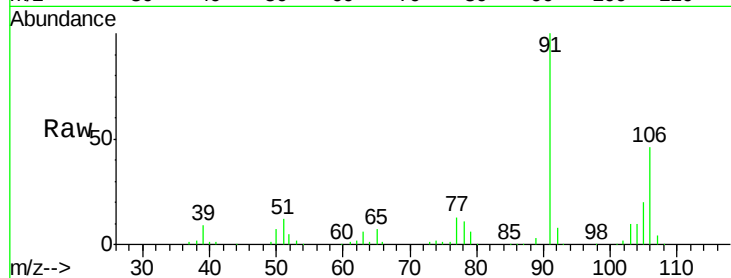




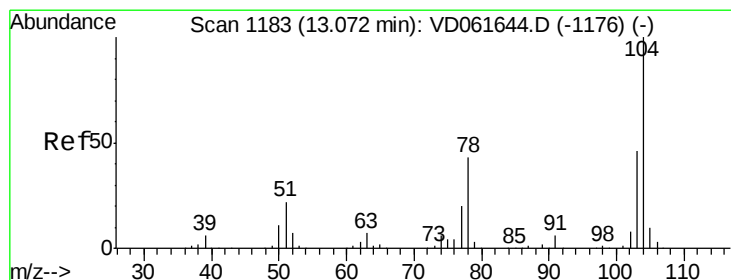
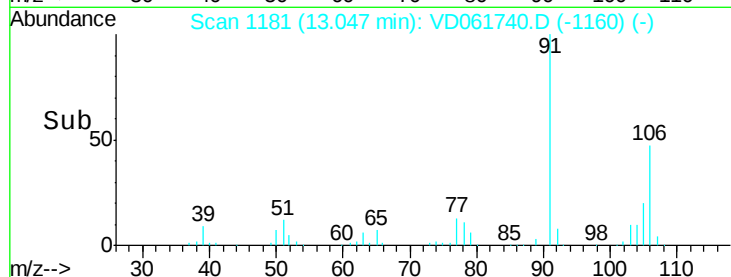
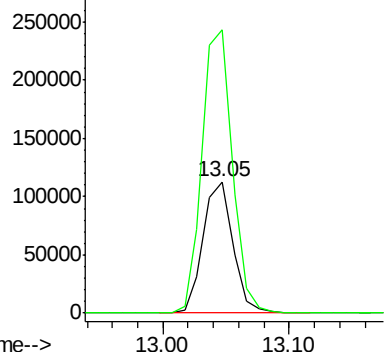
#69
o-Xylene
Concen: 19.700 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 183802
Ion Ratio Lower Upper
106 100
91 215.2 107.3 321.9

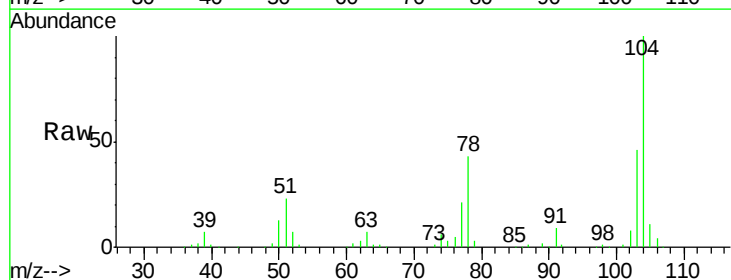


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

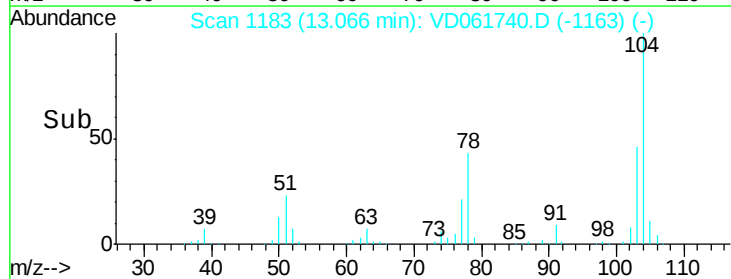
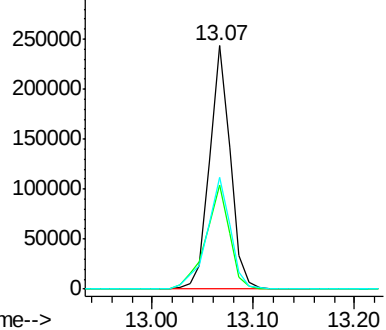


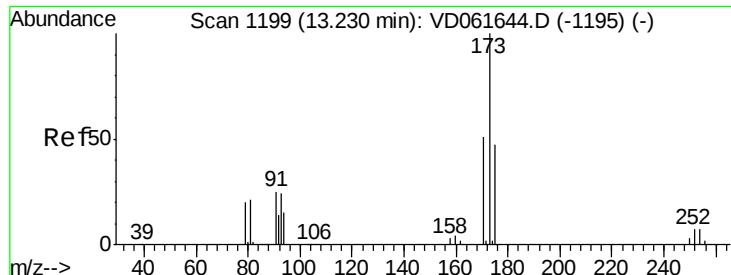
#70
Styrene
Concen: 21.776 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Tgt Ion:104 Resp: 346963
Ion Ratio Lower Upper
104 100
78 42.6 34.2 51.4
103 46.1 37.2 55.8



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

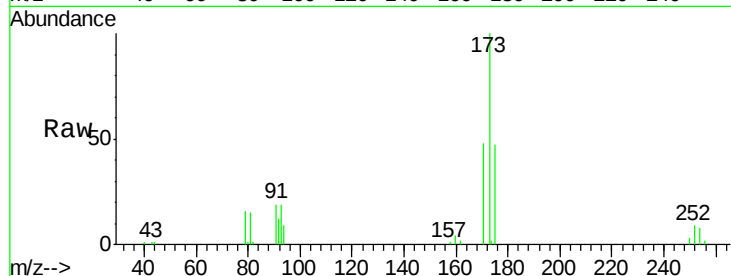




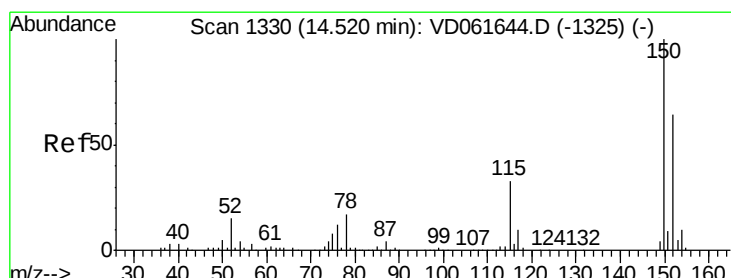
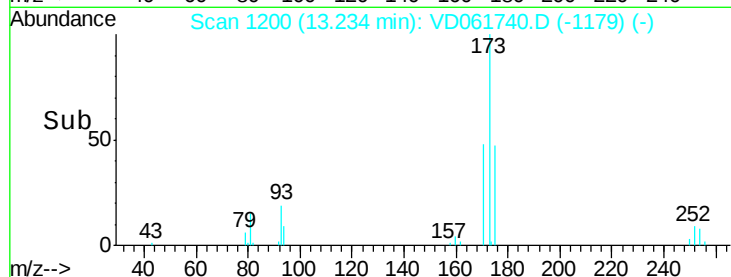
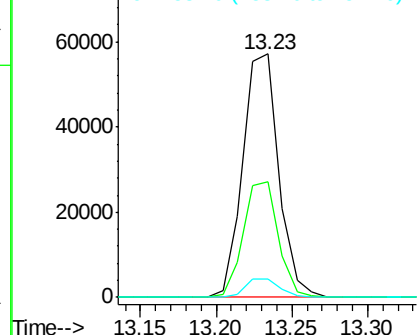
#71
Bromoform
Concen: 23.951 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 94145
Ion Ratio Lower Upper
173 100
175 47.3 23.7 71.1
254 7.6 5.8 8.6

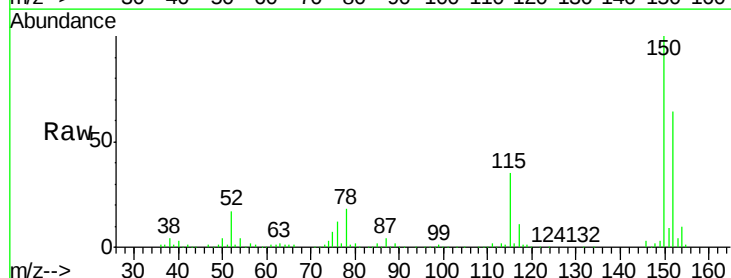


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

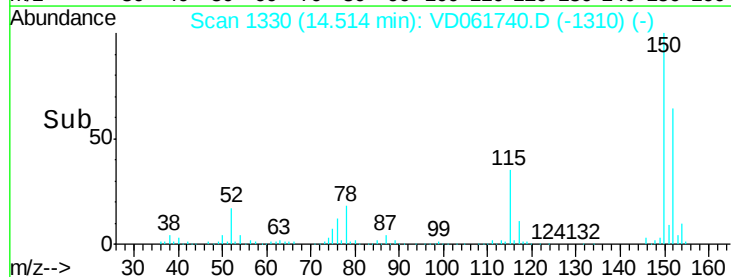
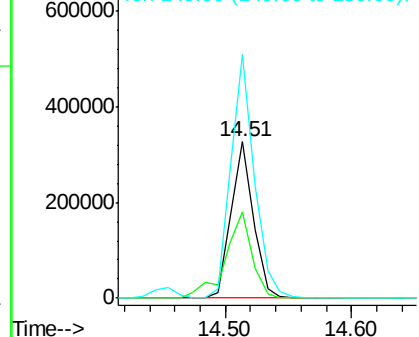


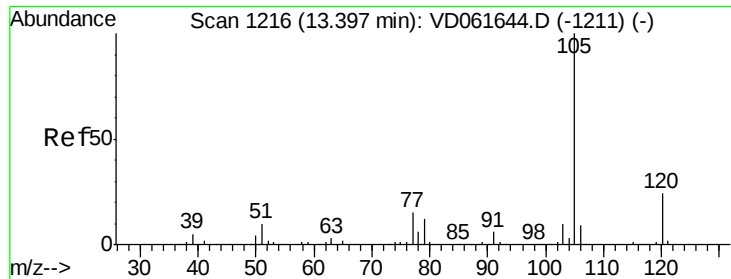
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Tgt Ion:152 Resp: 398235
Ion Ratio Lower Upper
152 100
115 54.9 26.4 79.2
150 155.7 0.0 320.6



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





#73

Isopropylbenzene

Concen: 23.507 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

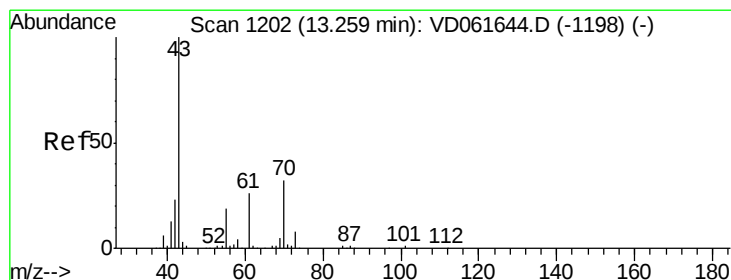
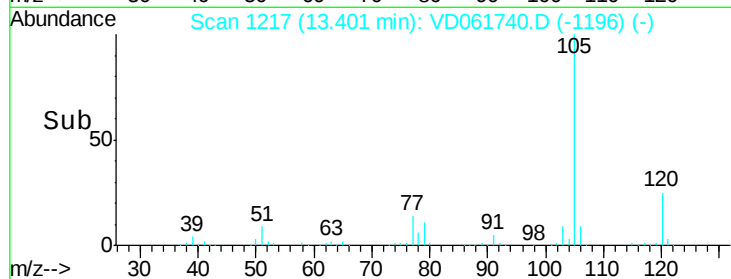
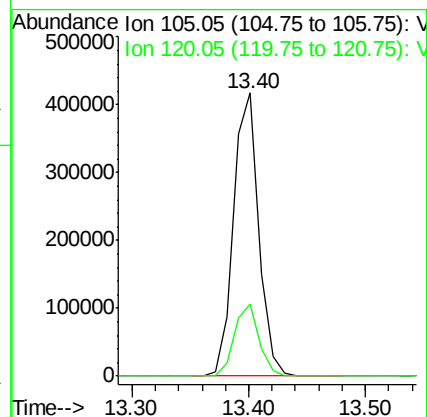
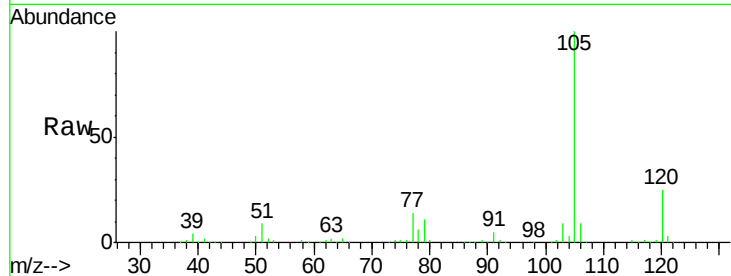
ClientSampleId :

Tot Ion:105 Resp: 623753

Ion Ratio Lower Upper

105 100

120 25.4 12.2 36.4



#74

N-ethyl acetate

Concen: 21.724 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Tgt Ion: 43 Resp: 156619

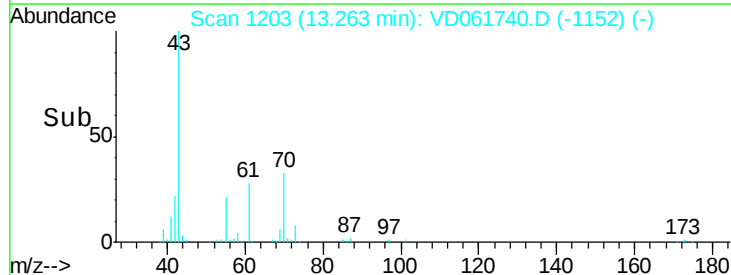
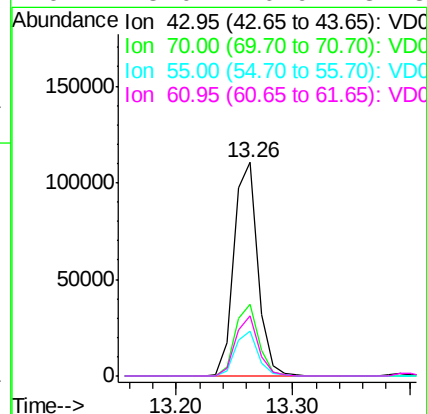
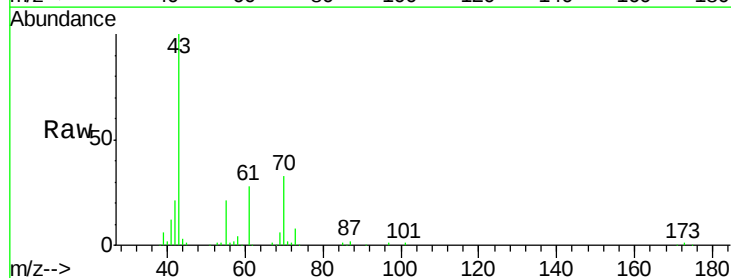
Ion Ratio Lower Upper

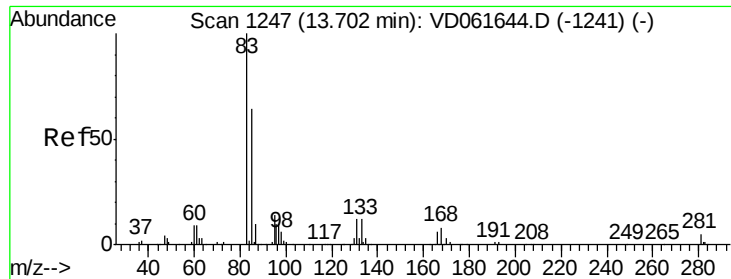
43 100

70 33.3 25.4 38.2

55 20.8 15.0 22.4

61 28.0 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.542 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

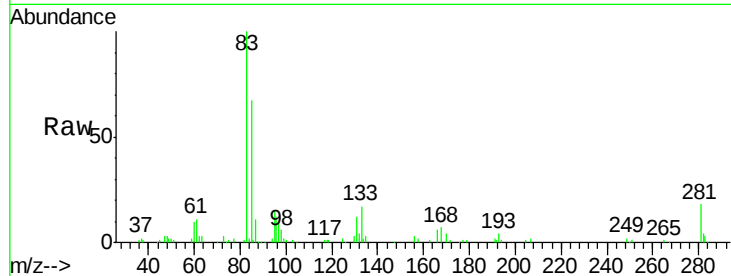
Tot Ion: 83 Resp: 112703

Ion Ratio Lower Upper

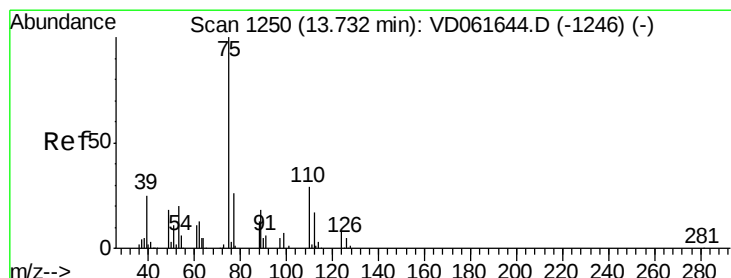
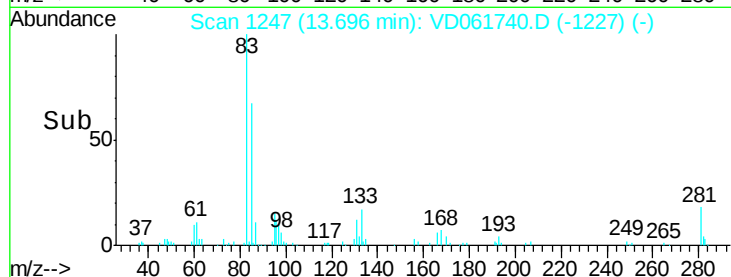
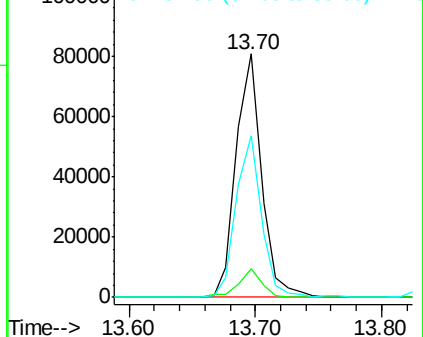
83 100

131 11.8 5.9 17.6

85 66.6 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: 21.190 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD061740.D

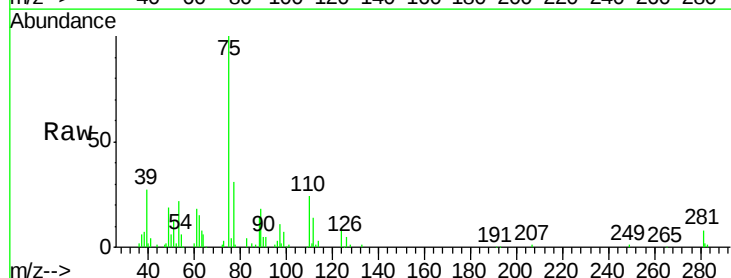
Acq: 11 Apr 2019 14:53

Tgt Ion: 75 Resp: 114806

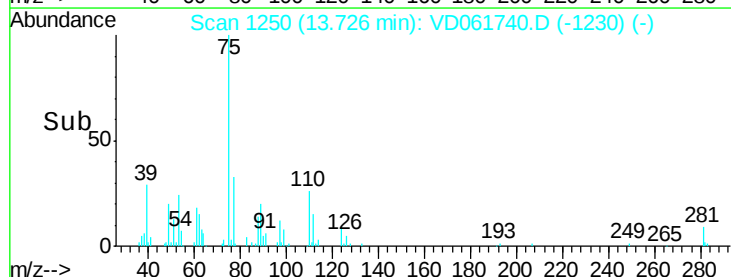
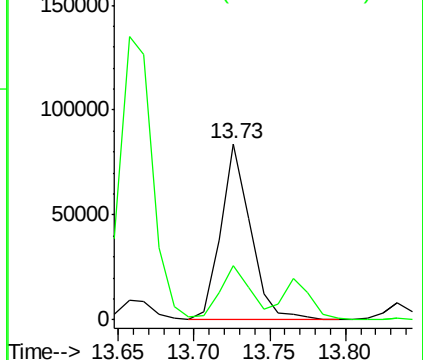
Ion Ratio Lower Upper

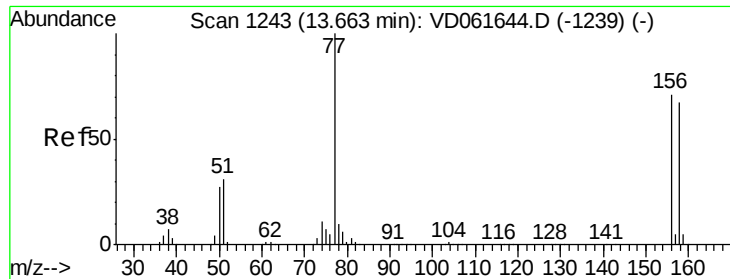
75 100

77 30.9 15.7 47.1



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





#77

Bromobenzene

Concen: 21.481 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

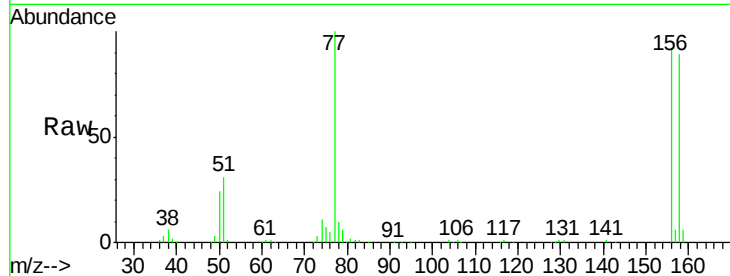
Tot Ion:156 Resp: 165446

Ion Ratio Lower Upper

156 100

77 108.3 70.3 210.8

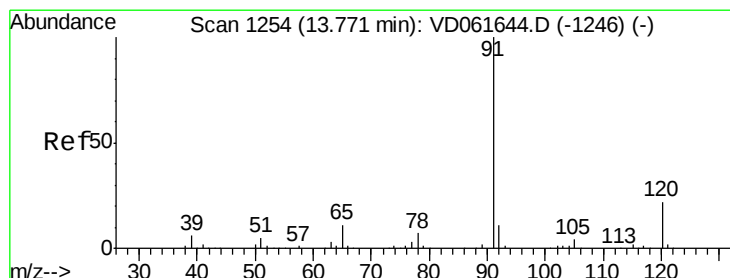
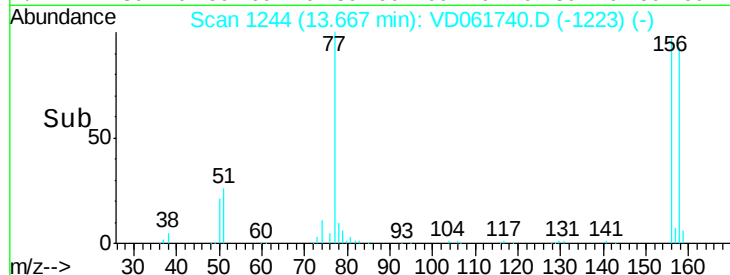
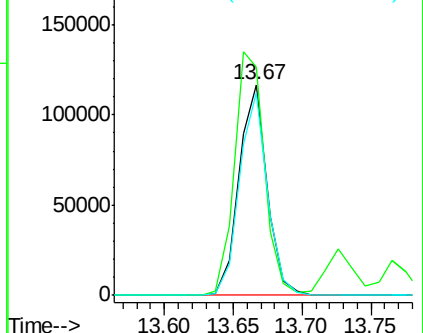
158 96.4 47.4 142.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.348 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD061740.D

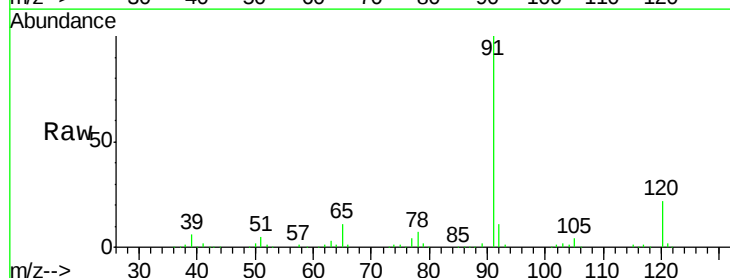
Acq: 11 Apr 2019 14:53

Tgt Ion: 91 Resp: 677616

Ion Ratio Lower Upper

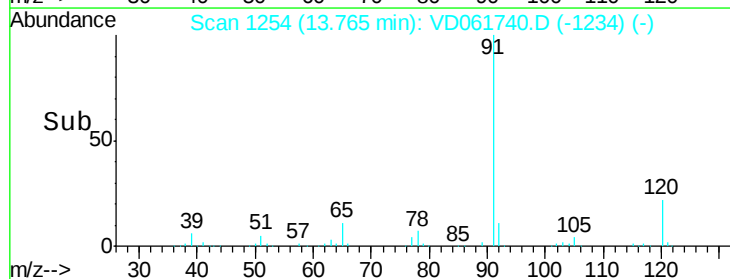
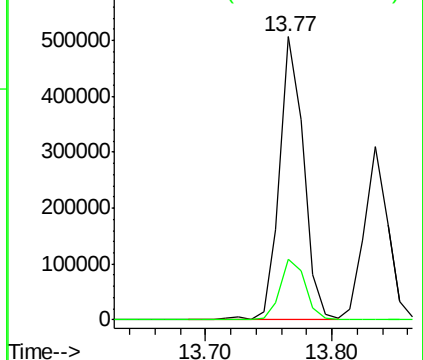
91 100

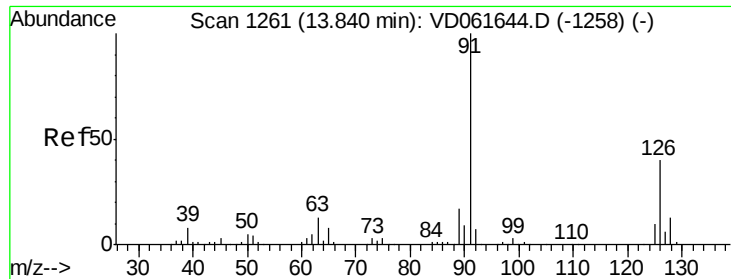
120 21.6 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

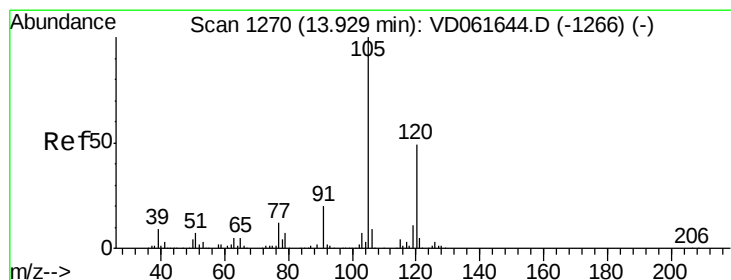
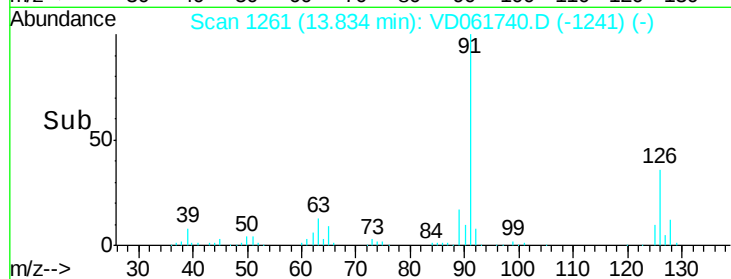
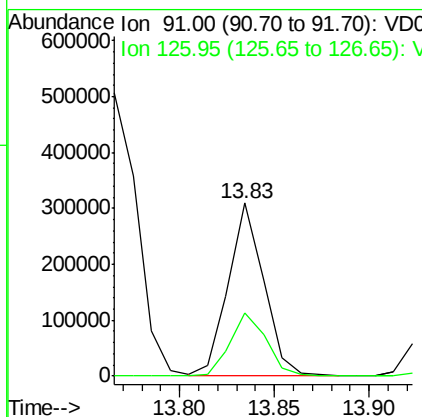
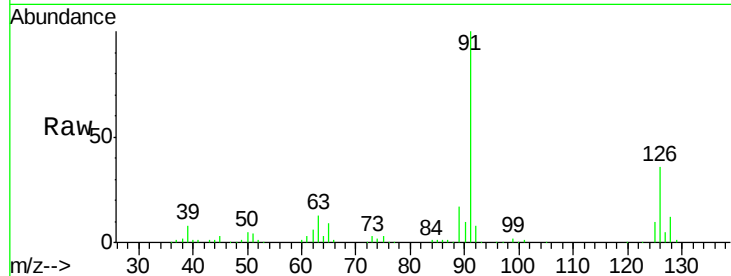




#79
 2-Chlorotoluene
 Concen: 22.095 ug/l
 RT: 13.83 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

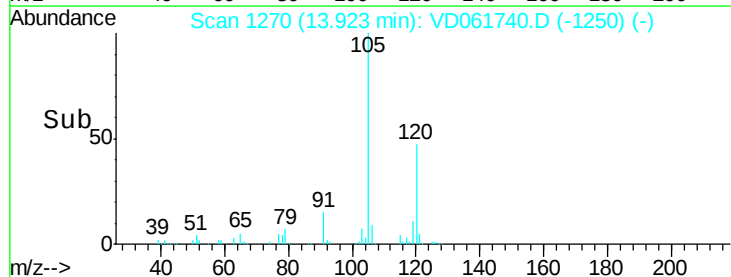
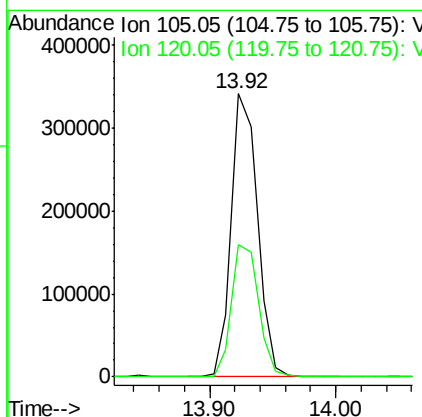
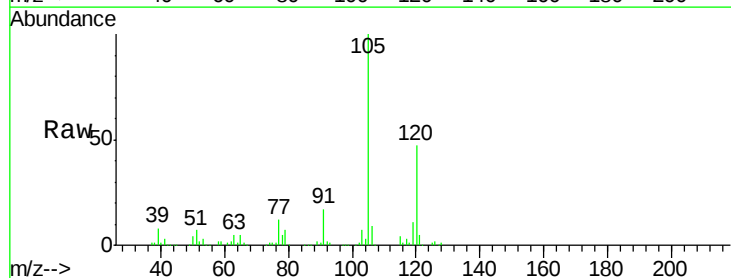
Instrument :
 MSVOA_D
 ClientSampleId :

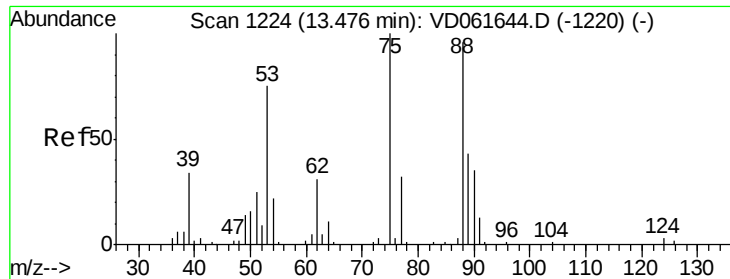
Tot Ion: 91 Resp: 401056
 Ion Ratio Lower Upper
 91 100
 126 36.3 20.0 59.9



#80
 1,3,5-Trimethylbenzene
 Concen: 23.213 ug/l
 RT: 13.92 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Tgt Ion: 105 Resp: 488887
 Ion Ratio Lower Upper
 105 100
 120 46.6 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.756 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

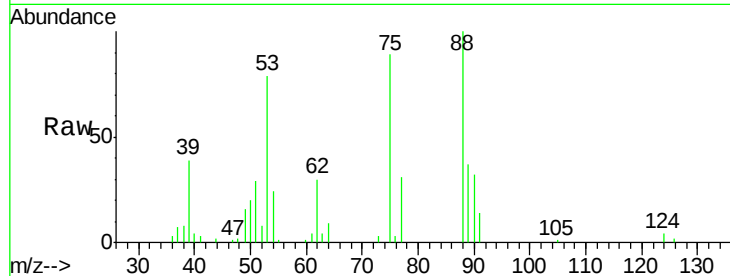
Tot Ion: 75 Resp: 34126

Ion	Ratio	Lower	Upper
75	100		
53	89.5	60.2	90.2
89	42.1	34.2	51.2

75 100

53 89.5 60.2 90.2

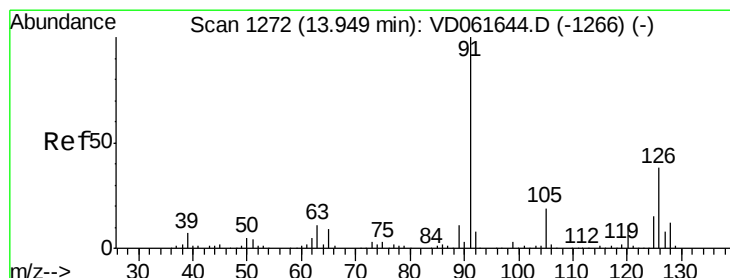
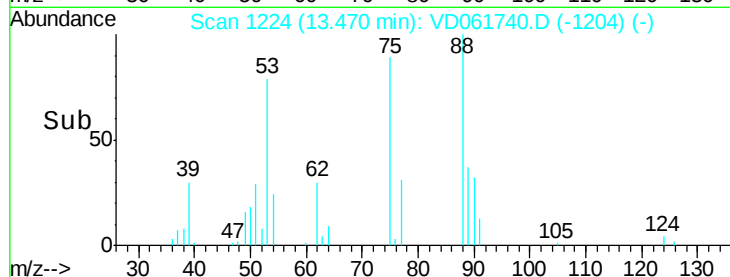
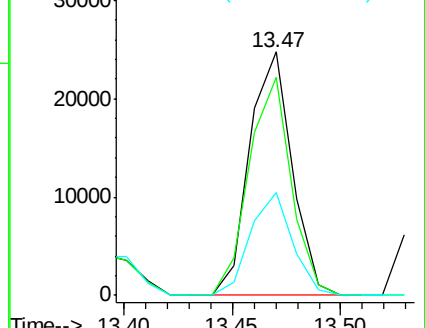
89 42.1 34.2 51.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 22.364 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD061740.D

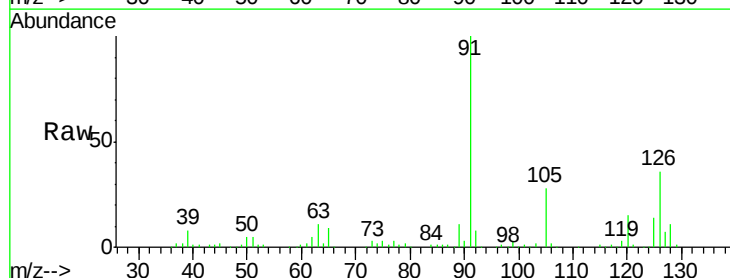
Acq: 11 Apr 2019 14:53

Tgt Ion: 91 Resp: 444805

Ion	Ratio	Lower	Upper
91	100		
126	35.9	19.0	57.0

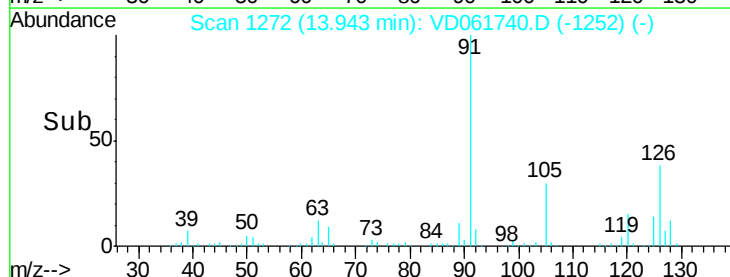
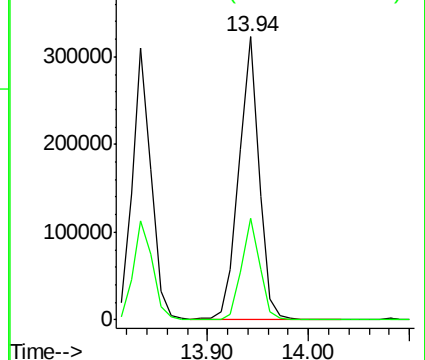
91 100

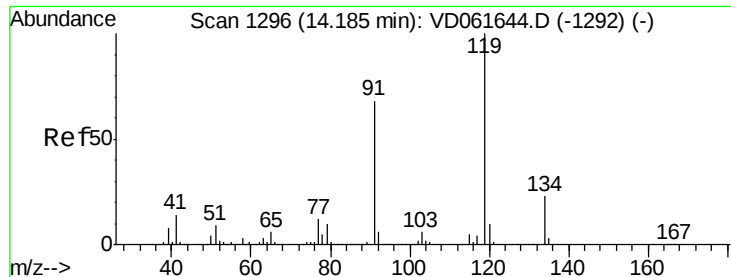
126 35.9 19.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

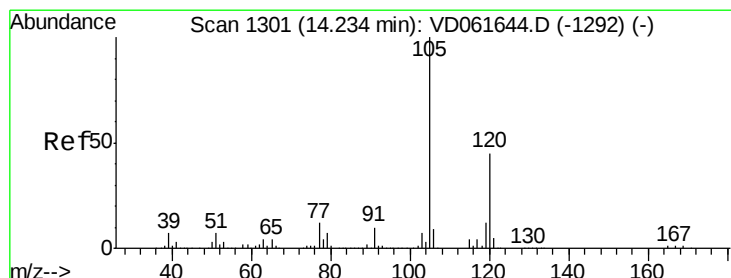
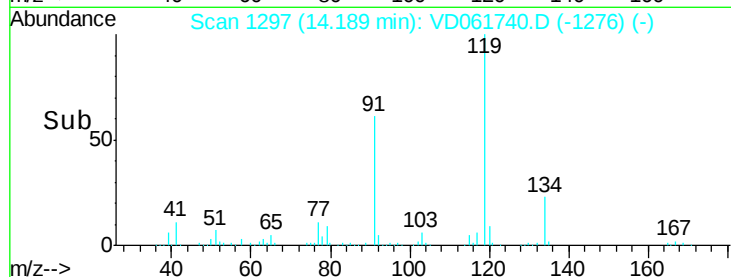
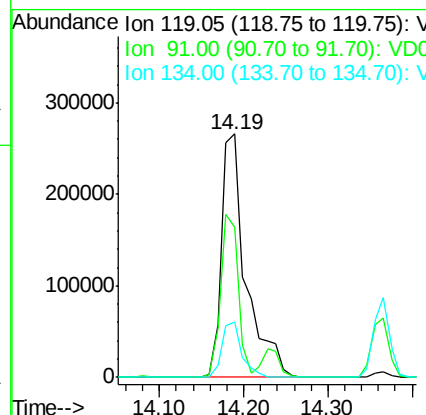
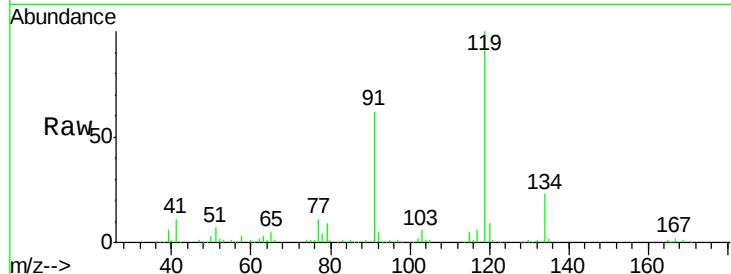




#83
tert-Butylbenzene
Concen: 21.127 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

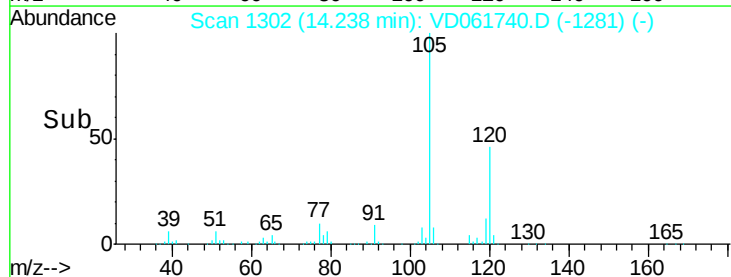
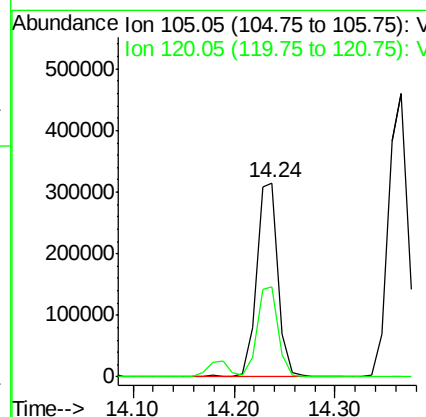
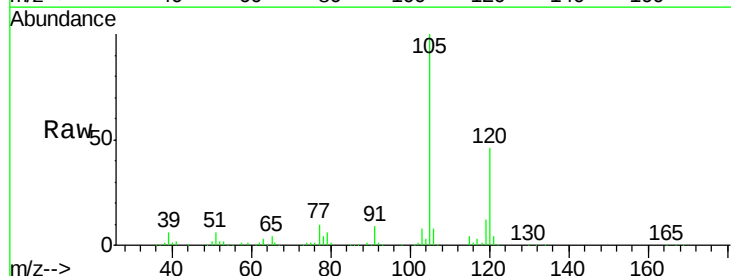
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 536480
Ion Ratio Lower Upper
119 100
91 61.9 33.9 101.6
134 22.9 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 22.104 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Tgt Ion:105 Resp: 469848
Ion Ratio Lower Upper
105 100
120 46.3 22.6 67.8





#85

sec-Butylbenzene

Concen: 23.252 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

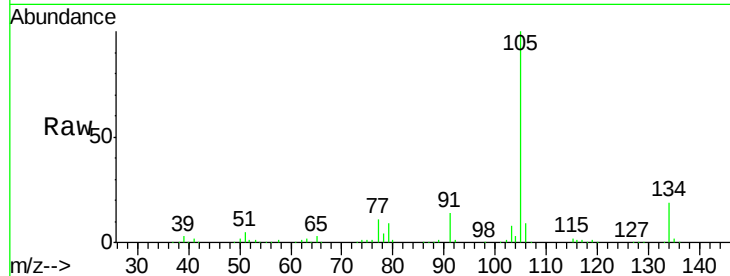
ClientSampleId :

Tot Ion:105 Resp: 637931

Ion Ratio Lower Upper

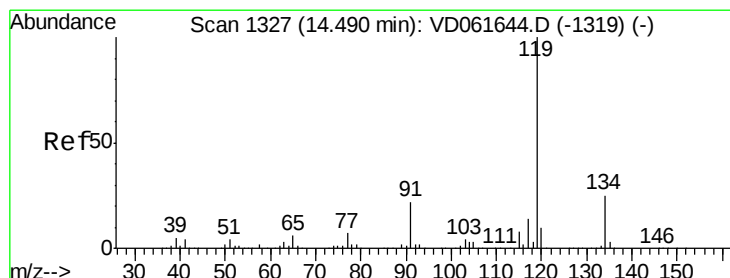
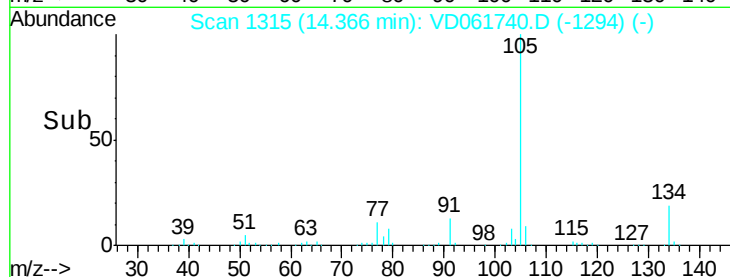
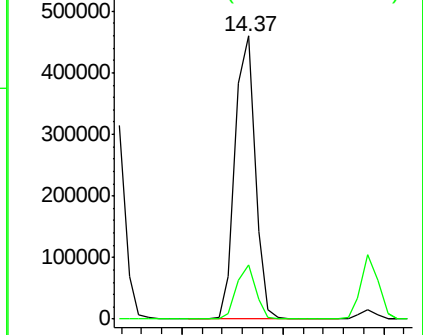
105 100

134 19.1 8.6 25.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.737 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

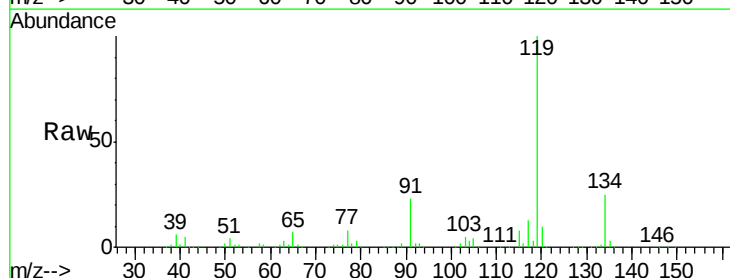
Tgt Ion:119 Resp: 517350

Ion Ratio Lower Upper

119 100

134 24.6 12.5 37.5

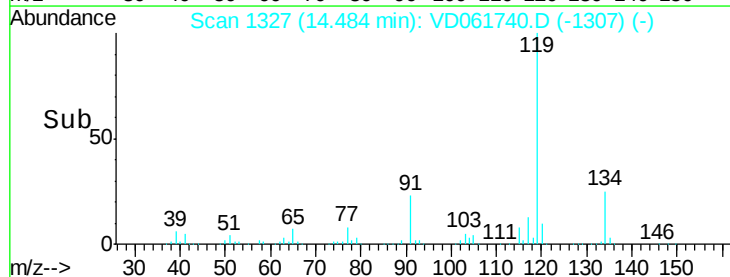
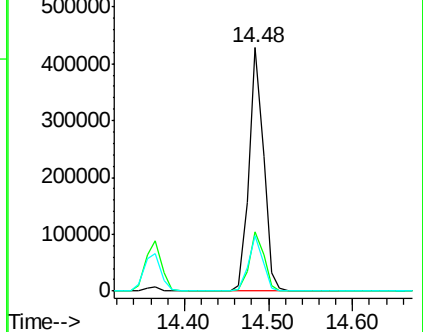
91 22.7 11.0 33.0

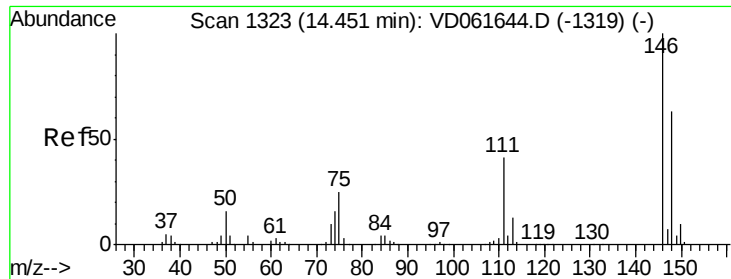


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

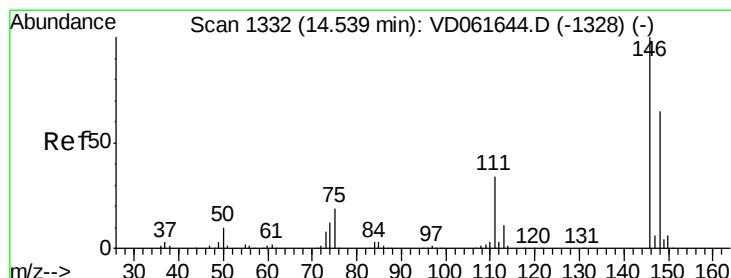
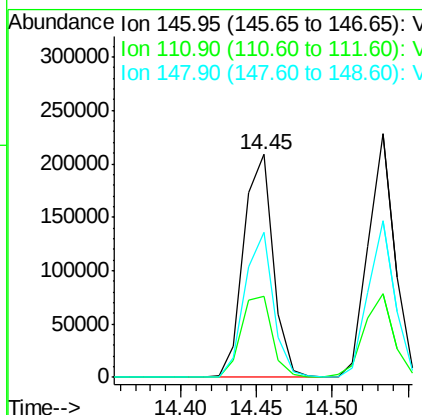
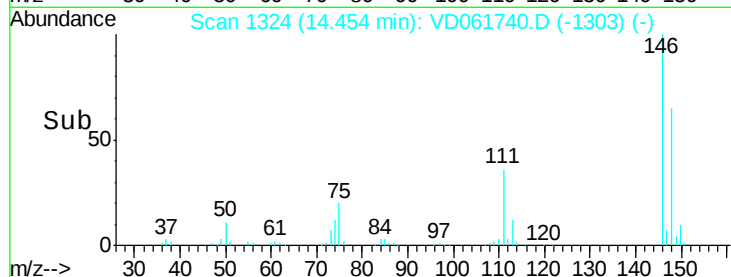
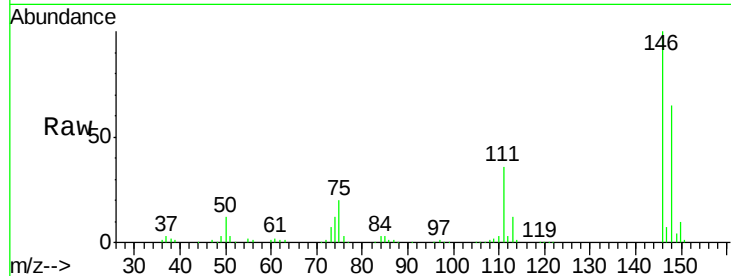




#87
 1,3-Dichlorobenzene
 Concen: 21.395 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

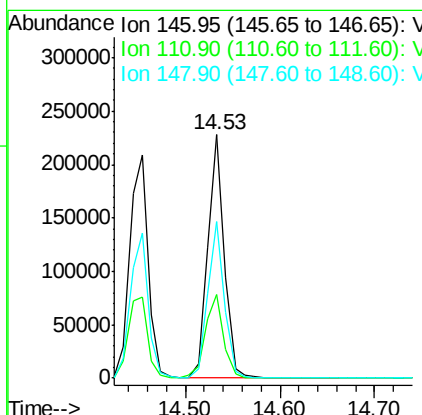
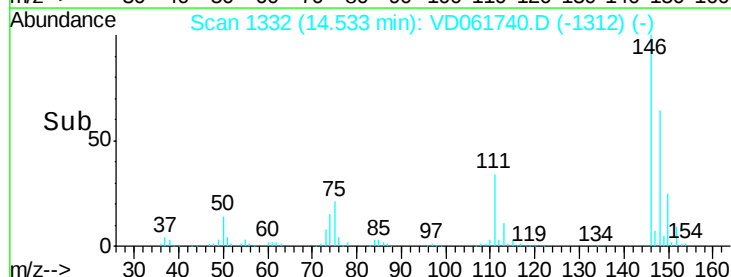
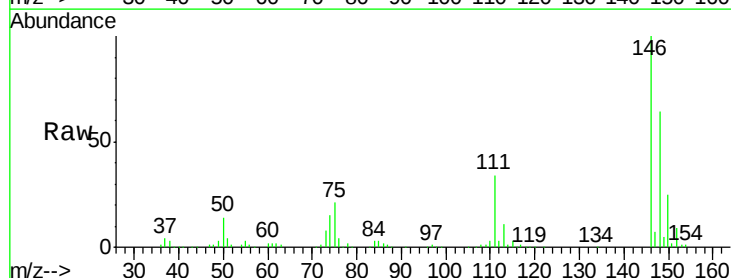
Instrument :
 MSVOA_D
 ClientSampleId :

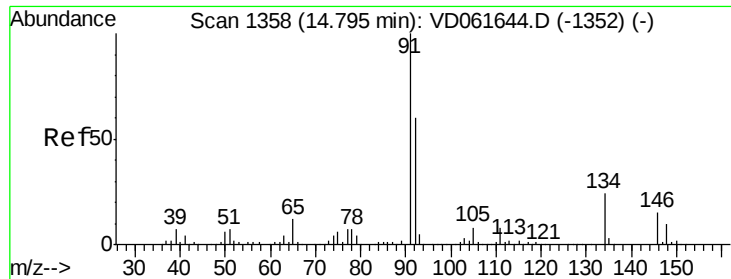
Tot Ion:146 Resp: 283602
 Ion Ratio Lower Upper
 146 100
 111 36.4 20.3 61.0
 148 65.3 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 20.950 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Tgt Ion:146 Resp: 280192
 Ion Ratio Lower Upper
 146 100
 111 34.2 17.1 51.2
 148 64.5 32.6 97.7

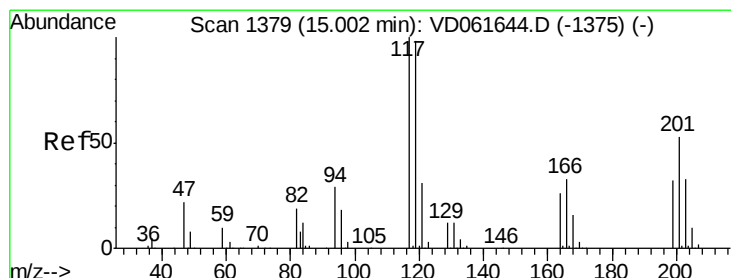
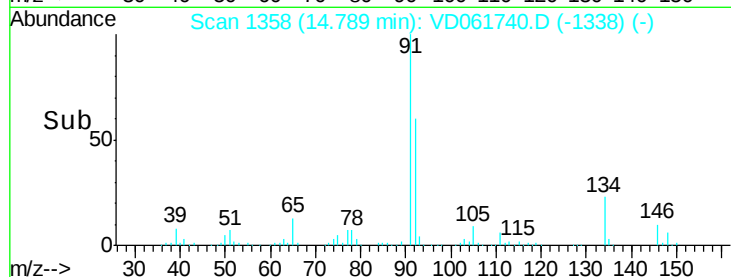
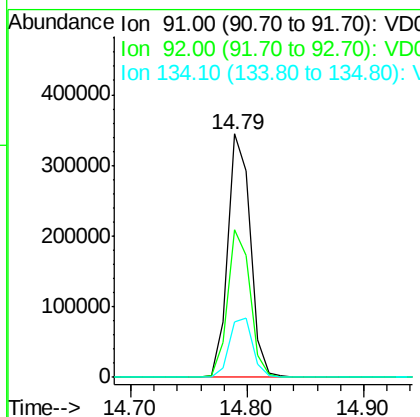
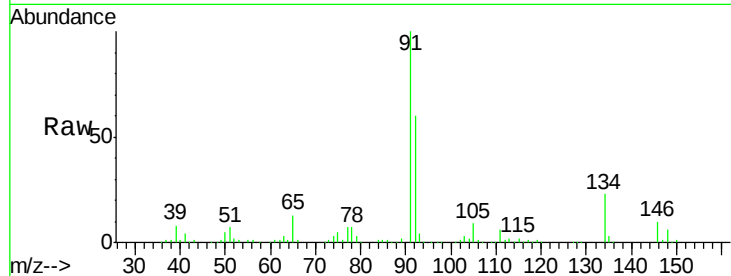




#89
n-Butylbenzene
Concen: 22.331 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

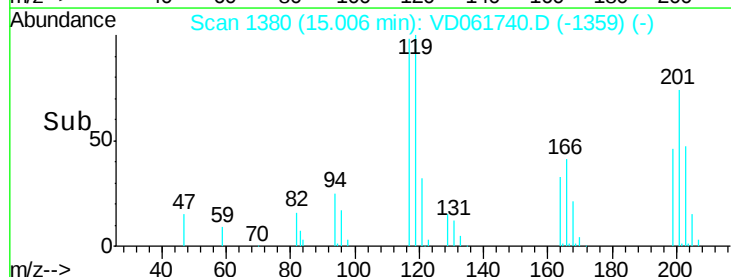
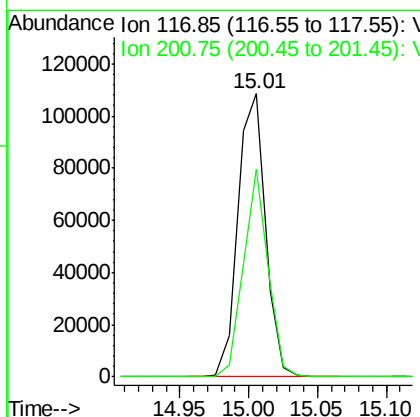
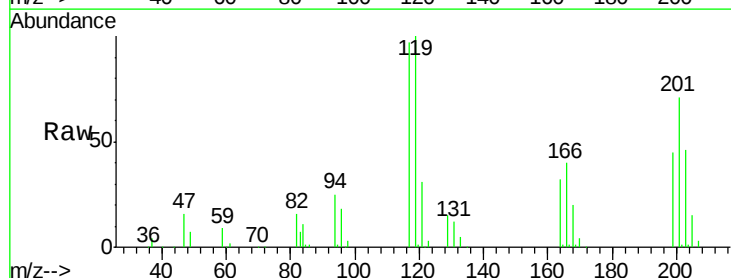
Instrument :
MSVOA_D
ClientSampleID :

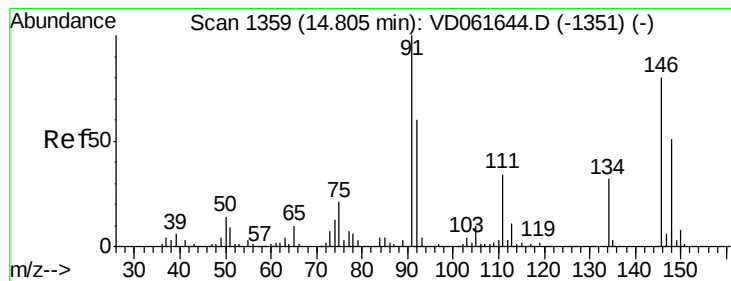
Tot Ion: 91 Resp: 461954
Ion Ratio Lower Upper
91 100
92 60.5 29.8 89.4
134 22.9 12.2 36.4



#90
Hexachloroethane
Concen: 23.465 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Tgt Ion: 117 Resp: 151536
Ion Ratio Lower Upper
117 100
201 73.2 26.3 78.8





#91

1,2-Dichlorobenzene

Concen: 22.230 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampled :

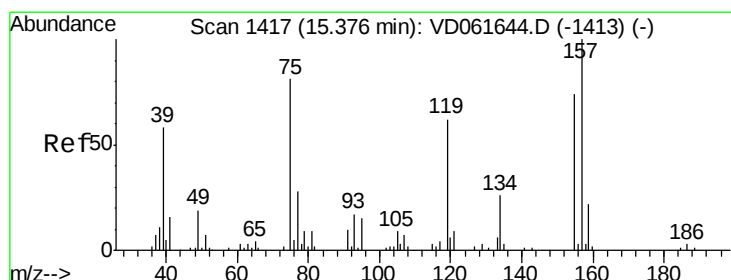
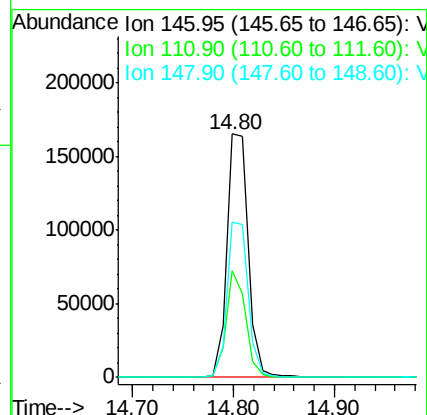
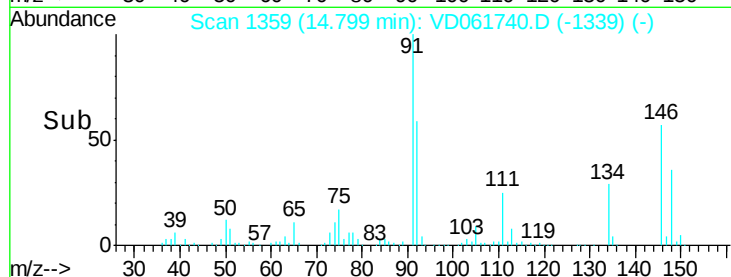
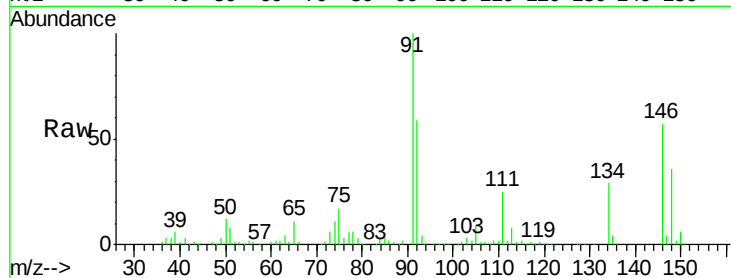
Tot Ion:146 Resp: 242861

Ion Ratio Lower Upper

146 100

111 43.8 21.1 63.3

148 63.5 31.7 95.1



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.657 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

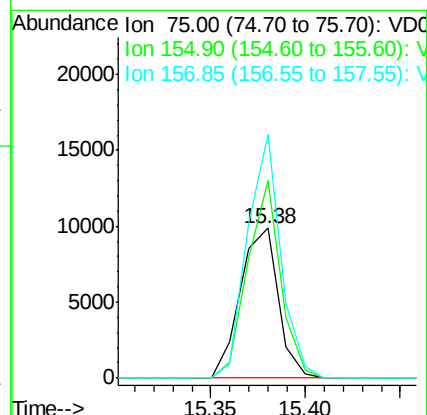
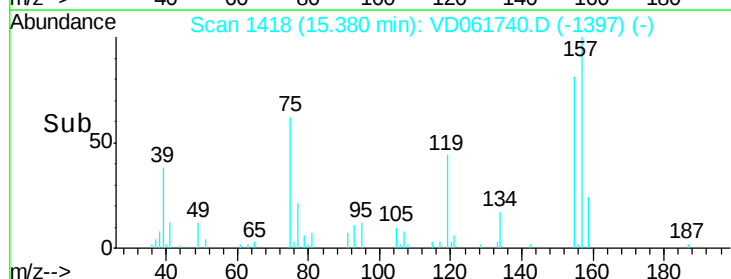
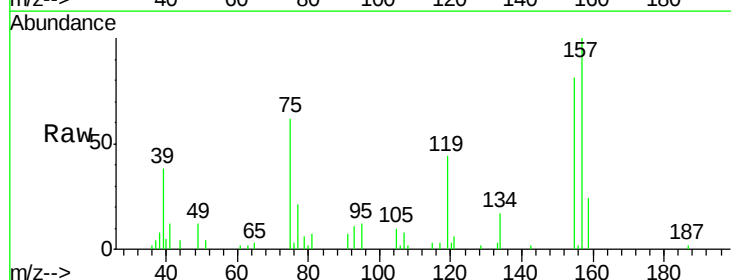
Tgt Ion: 75 Resp: 13677

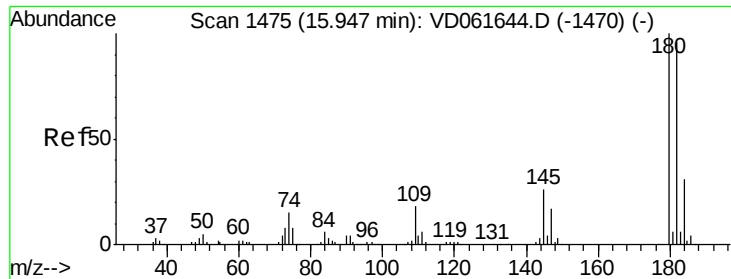
Ion Ratio Lower Upper

75 100

155 131.5 45.6 136.7

157 162.4 61.4 184.2

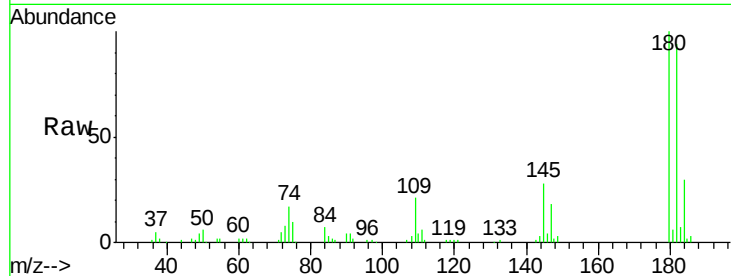




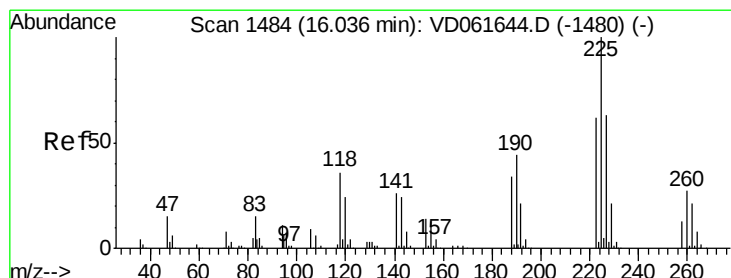
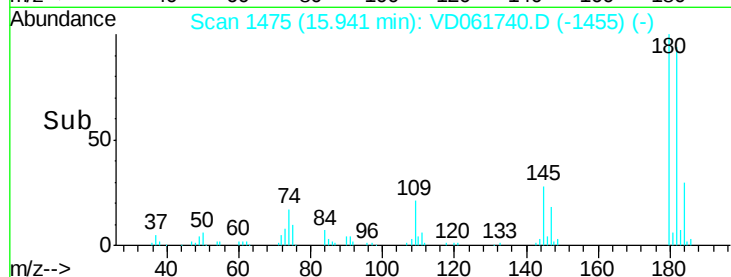
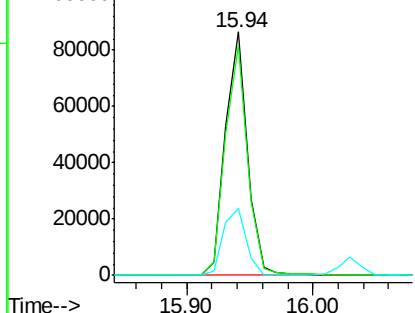
#93
 1,2,4-Trichlorobenzene
 Concen: 18.709 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 104130
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.8 143.3
 145 27.5 13.3 39.8

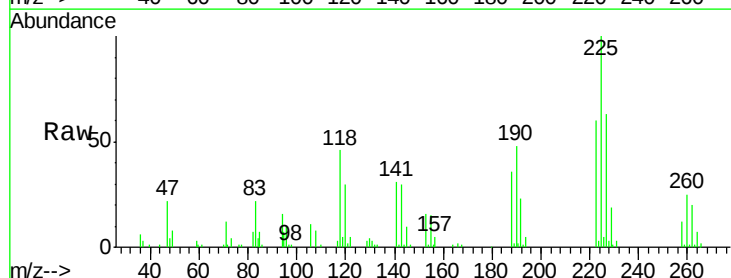


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

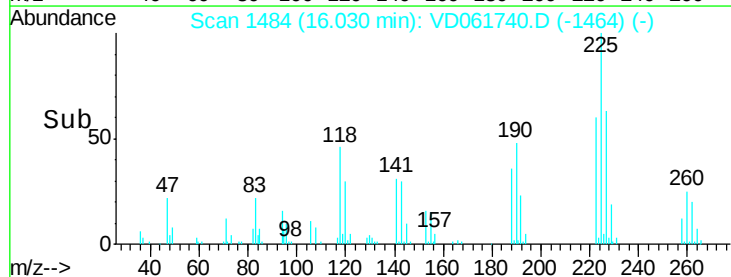
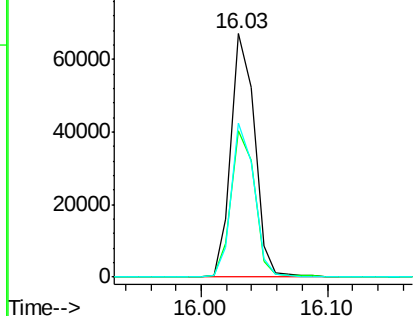


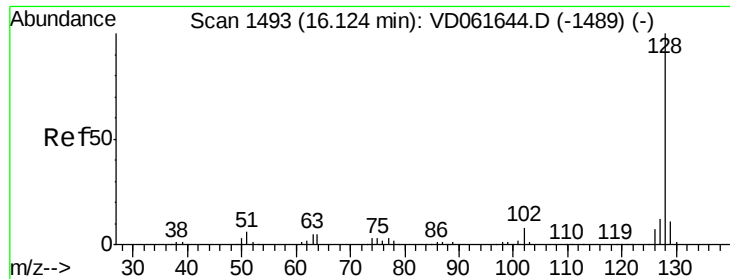
#94
 Hexachlorobutadiene
 Concen: 20.263 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Tgt Ion:225 Resp: 87087
 Ion Ratio Lower Upper
 225 100
 223 60.0 30.8 92.3
 227 63.4 31.5 94.5



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 20.393 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

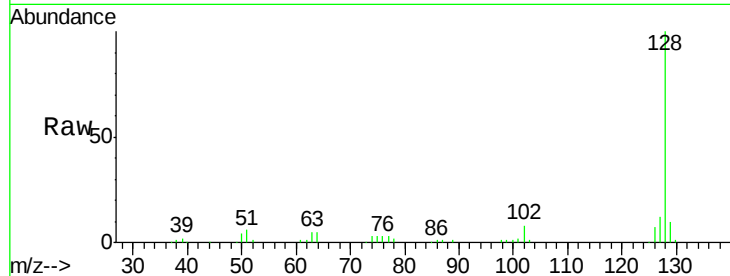
Tot Ion:128 Resp: 179598

Ion Ratio Lower Upper

128 100

127 12.4 9.4 14.2

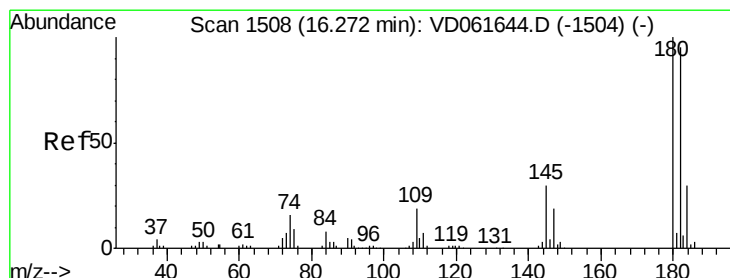
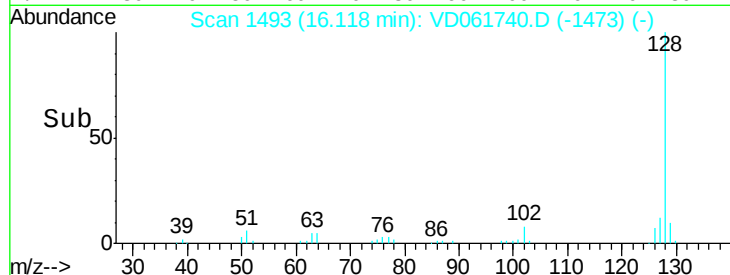
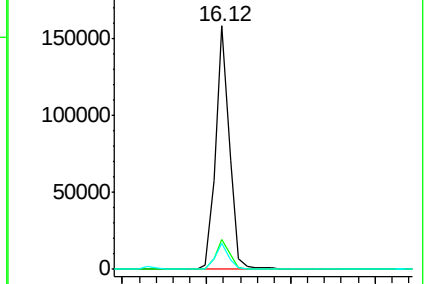
129 10.4 8.8 13.2



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: 17.555 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

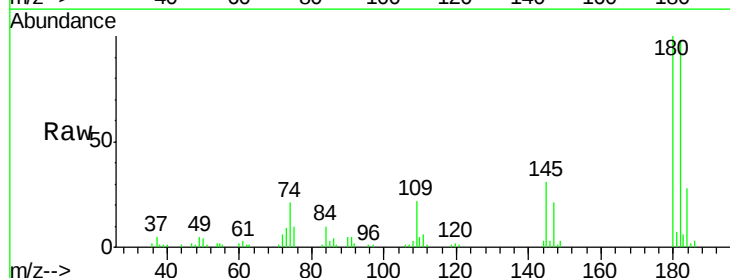
Tgt Ion:180 Resp: 48765

Ion Ratio Lower Upper

180 100

182 98.0 47.3 142.0

145 30.6 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

