

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
 Data File : VD061670.D
 Acq On : 9 Apr 2019 12:33
 Operator : VA/AP
 Sample : BFB
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 10 06:40:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	2022	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	1447	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	1716	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	2114	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	10.43	98	950	37.72	ug/l	0.03
Spiked Amount	50.000		Recovery	=	75.44%	
62) 4-Bromofluorobenzene	13.57	95	177932	-50.00	ug/l	0.02
Spiked Amount	50.000		Recovery	=	-100.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	3248	148.895	ug/l	86
5) Bromomethane	2.17	94	2392	627.394	ug/l #	12
7) Trichlorofluoromethane	2.55	101	3902	156.891	ug/l	99
10) Methyl Iodide	3.32	142	2211	59.858	ug/l #	91
16) Acetone	3.23	43	1958	427.357	ug/l #	51
17) Carbon Disulfide	3.40	76	766	11.184	ug/l #	74
20) Methylene Chloride	3.83	84	30125	1158.709	ug/l	91
23) Vinyl Acetate	5.07	43	1399	42.063	ug/l #	77
40) Benzene	7.48	78	217	7.103	ug/l #	51
43) Isopropyl Acetate	9.56	43	4086	545.814	ug/l #	43
51) 4-Methyl-2-Pentanone	10.39	43	2025	457.398	ug/l #	38
52) Toluene	10.53	92	747	39.156	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	189	18.130	ug/l #	42
59) 2-Hexanone	11.56	43	379	110.307	ug/l #	27
61) 1,2-Dibromoethane	11.82	107	191	25.383	ug/l #	1
65) Chlorobenzene	12.41	112	1303	38.289	ug/l #	43
67) Ethyl Benzene	12.54	91	1365	26.341	ug/l #	44
68) m/p-Xylenes	12.68	106	997	49.904	ug/l	83
69) o-Xylene	13.06	106	227	11.771	ug/l	75
70) Styrene	13.09	104	1312	39.836	ug/l #	83
73) Isopropylbenzene	13.42	105	1553	11.025	ug/l #	51
74) N-amyl acetate	13.28	43	217	5.670	ug/l #	49
76) 1,2,3-Trichloropropane	13.57	75	65321	2271.160	ug/l #	46
77) Bromobenzene	13.68	156	731	17.879	ug/l	77
78) n-propylbenzene	13.79	91	2384	14.149	ug/l	89
79) 2-Chlorotoluene	13.86	91	1488	15.443	ug/l	93
80) 1,3,5-Trimethylbenzene	13.94	105	1470	13.148	ug/l	74
81) trans-1,4-Dichloro-2-buten	13.57	75	70032	8024.162	ug/l #	20
82) 4-Chlorotoluene	13.95	91	2445	23.157	ug/l	98
83) tert-Butylbenzene	14.20	119	1194	8.858	ug/l	92
84) 1,2,4-Trimethylbenzene	14.25	105	1626	14.410	ug/l	88
85) sec-Butylbenzene	14.38	105	2180	14.968	ug/l #	61
86) p-Isopropyltoluene	14.51	119	1434	11.350	ug/l #	73
87) 1,3-Dichlorobenzene	14.47	146	2051	29.148	ug/l	89

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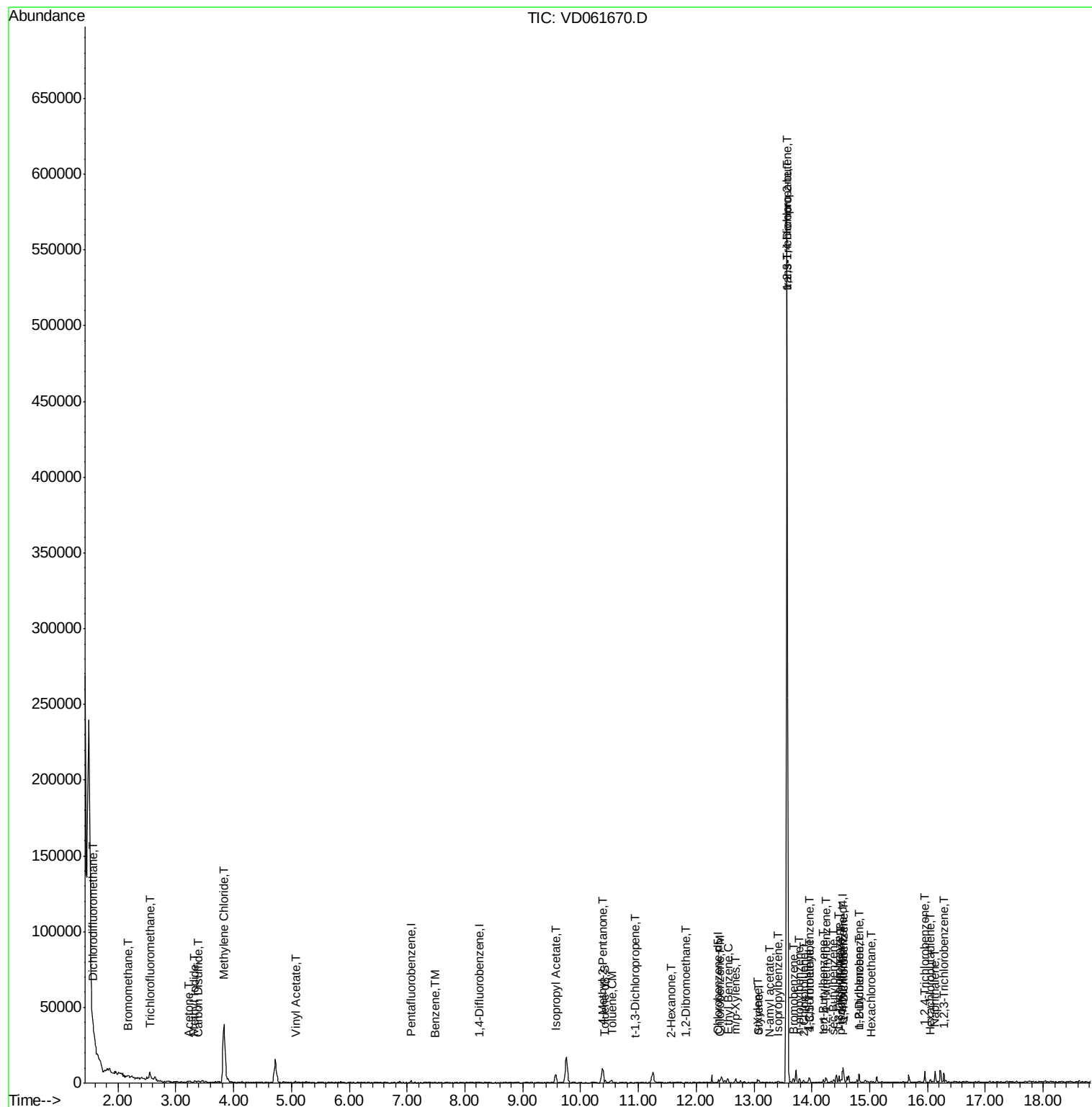
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,4-Dichlorobenzene	14.54	146	2424	34.142	ug/l	73
89) n-Butylbenzene	14.81	91	2071	18.859	ug/l	91
90) Hexachloroethane	15.02	117	187	5.455	ug/l #	26
91) 1,2-Dichlorobenzene	14.82	146	1587	27.365	ug/l	96
93) 1,2,4-Trichlorobenzene	15.95	180	2607	88.236	ug/l	87
94) Hexachlorobutadiene	16.05	225	587	25.730	ug/l	99
95) Naphthalene	16.14	128	6015	128.663	ug/l	98
96) 1,2,3-Trichlorobenzene	16.29	180	2269	153.875	ug/l #	75

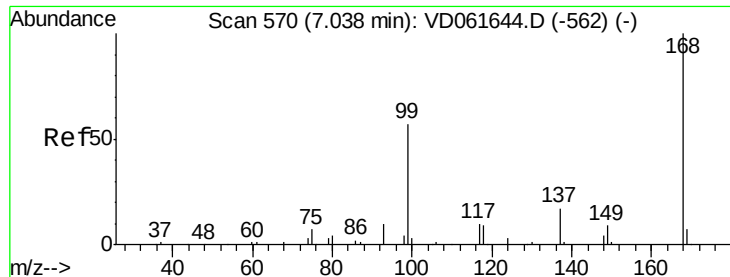
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.04 min

Lab File: VD061670.D

Acq: 9 Apr 2019 12:33

Instrument :

MSVOA_D

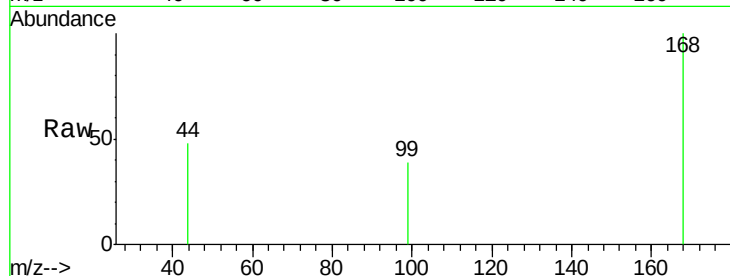
ClientSampled :

Tot Ion:168 Resp: 2022

Ion Ratio Lower Upper

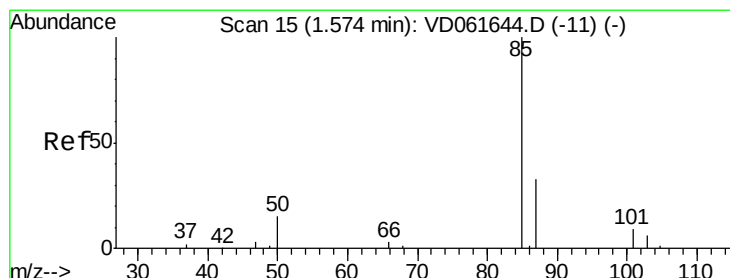
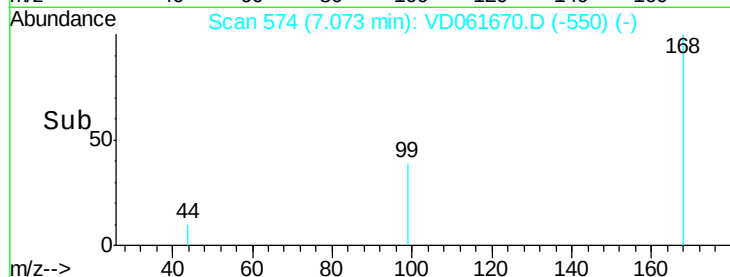
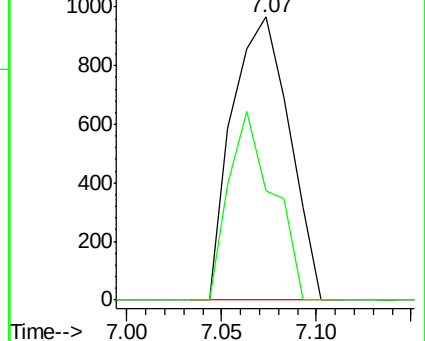
168 100

99 38.8 46.8 70.2#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 148.895 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061670.D

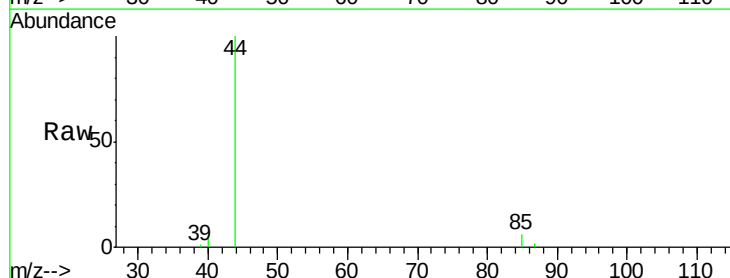
Acq: 9 Apr 2019 12:33

Tgt Ion: 85 Resp: 3248

Ion Ratio Lower Upper

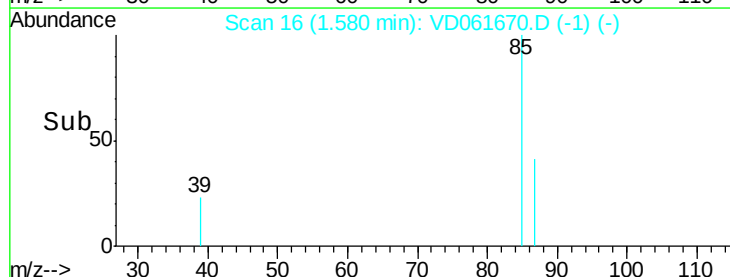
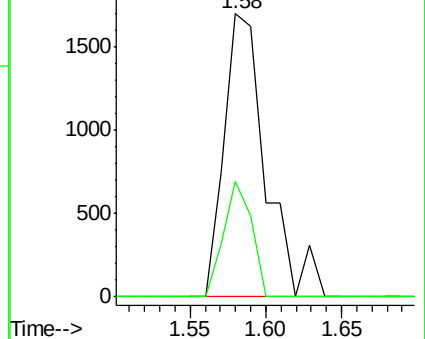
85 100

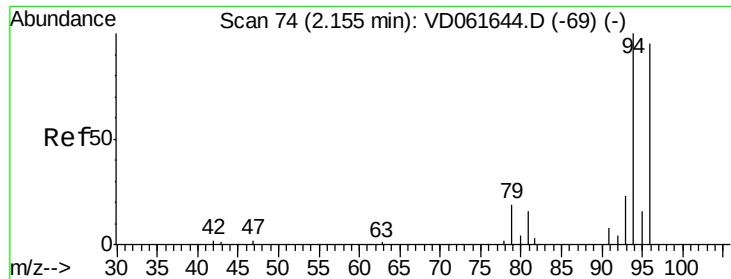
87 41.1 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: 627.394 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.02 min

Lab File: VD061670.D

Acq: 9 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

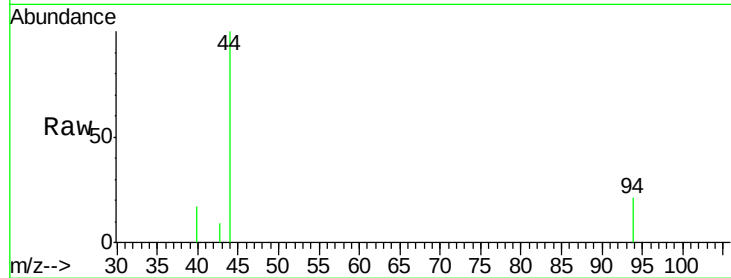
Tot Ion: 94 Resp: 2392

Ion Ratio Lower Upper

94 100

96 0.0 75.8 113.8#

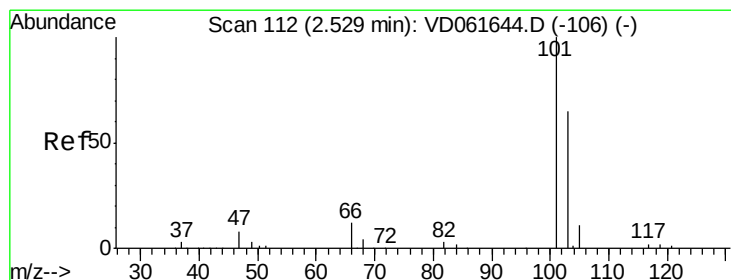
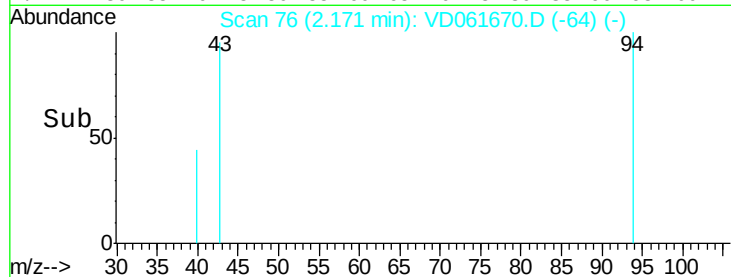
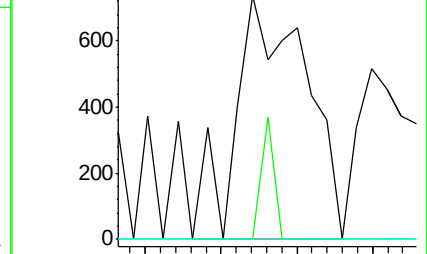
93 0.0 18.6 28.0#



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



#7

Trichlorofluoromethane

Concen: 156.891 ug/l

RT: 2.55 min Scan# 115

Delta R.T. 0.03 min

Lab File: VD061670.D

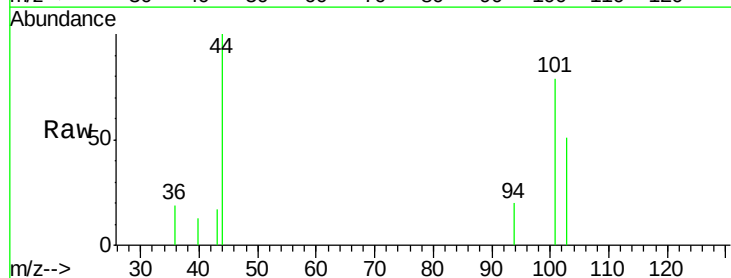
Acq: 9 Apr 2019 12:33

Tgt Ion: 101 Resp: 3902

Ion Ratio Lower Upper

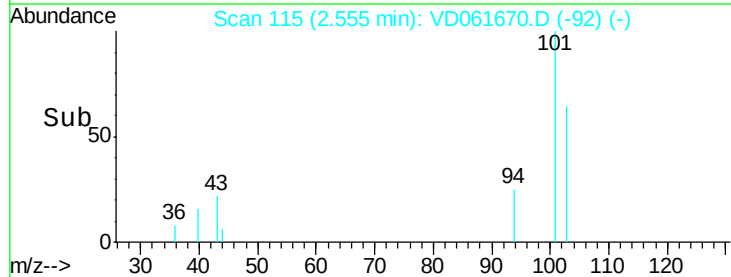
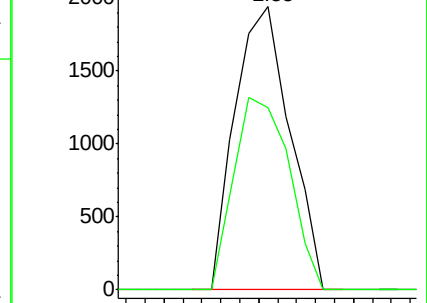
101 100

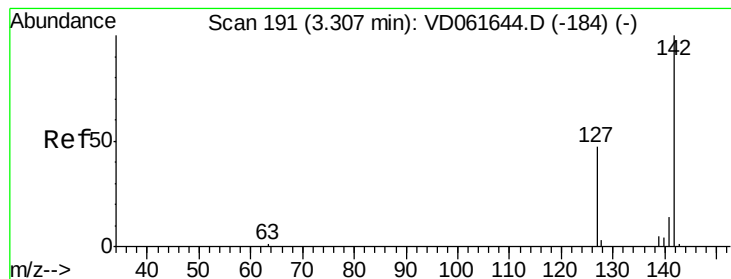
103 64.2 52.0 78.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V





#10

Methvl Iodide

Concen: 59.858 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD061670.D

Acq: 9 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

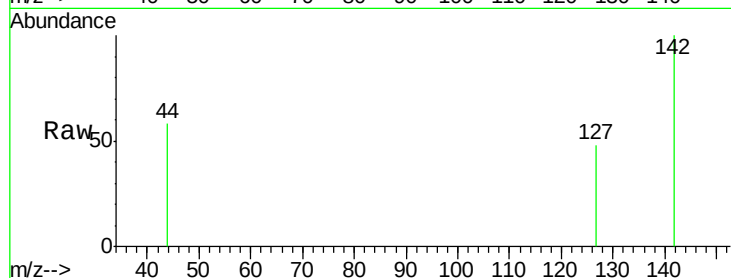
Tot Ion:142 Resp: 2211

Ion Ratio Lower Upper

142 100

127 48.0 37.2 55.8

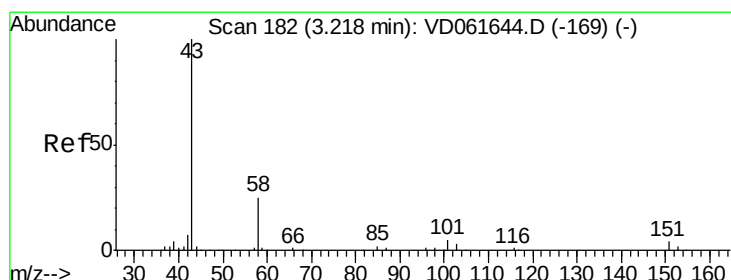
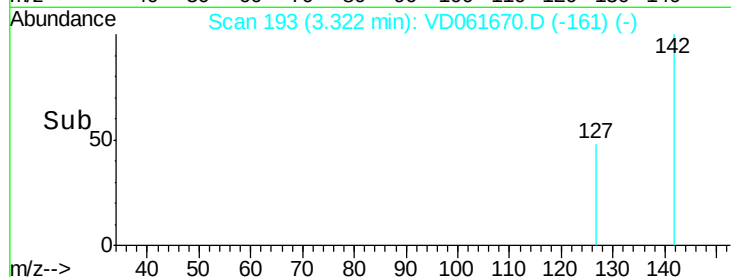
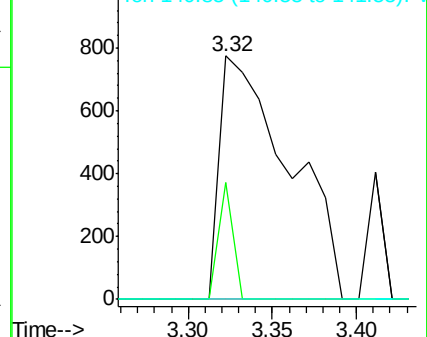
141 0.0 10.8 16.2#



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



#16

Acetone

Concen: 427.357 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD061670.D

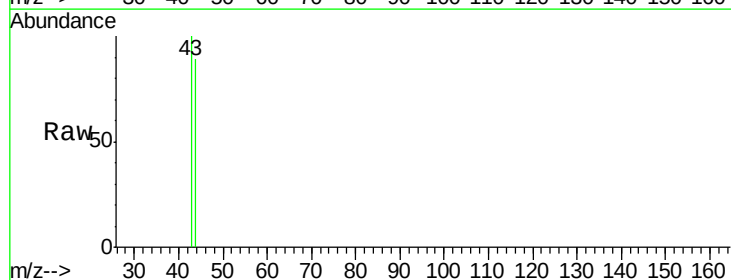
Acq: 9 Apr 2019 12:33

Tgt Ion: 43 Resp: 1958

Ion Ratio Lower Upper

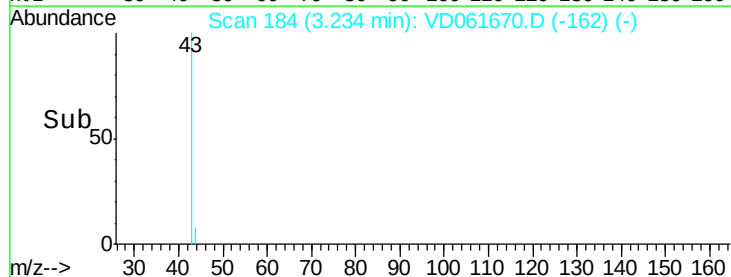
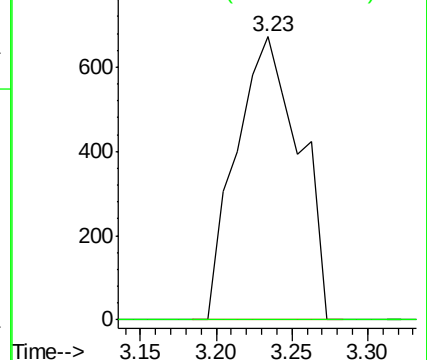
43 100

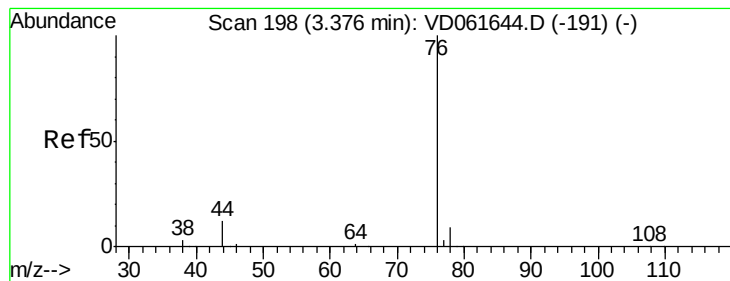
58 0.0 19.7 29.5#



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 57.95 (57.65 to 58.65): V





#17

Carbon Disulfide

Concen: 11.184 ug/l

RT: 3.40 min Scan# 201

Delta R.T. 0.03 min

Lab File: VD061670.D

Acq: 9 Apr 2019 12:33

Instrument :

MSVOA_D

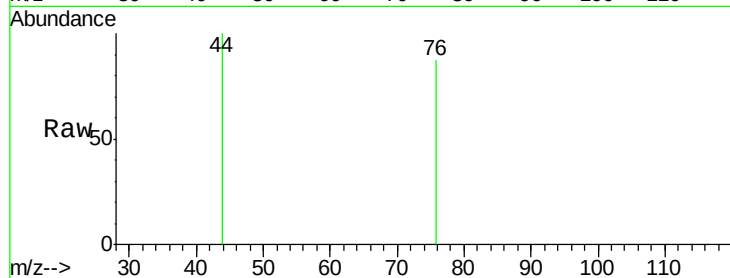
ClientSampleId :

Tot Ion: 76 Resp: 766

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.40

500

400

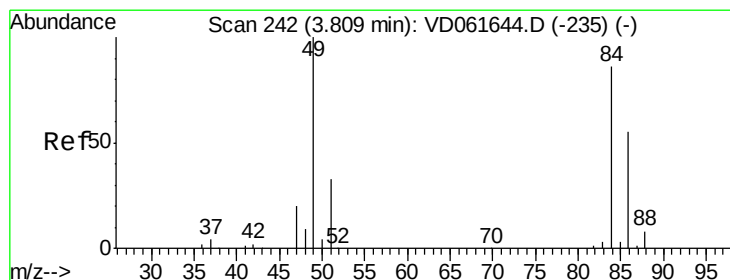
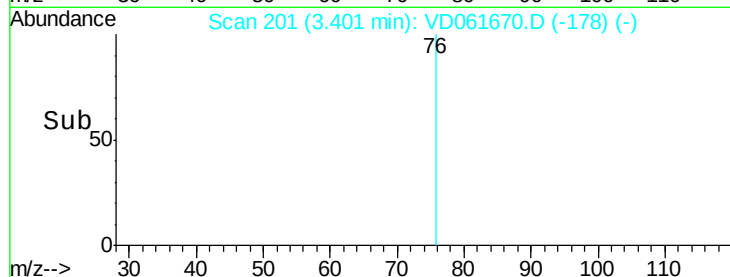
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 1158.709 ug/l

RT: 3.83 min Scan# 245

Delta R.T. 0.03 min

Lab File: VD061670.D

Acq: 9 Apr 2019 12:33

Tgt Ion: 84 Resp: 30125

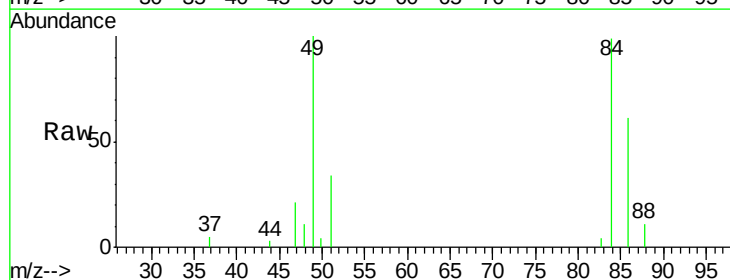
Ion Ratio Lower Upper

84 100

49 101.3 93.0 139.4

51 34.0 30.4 45.6

86 61.9 51.0 76.4



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

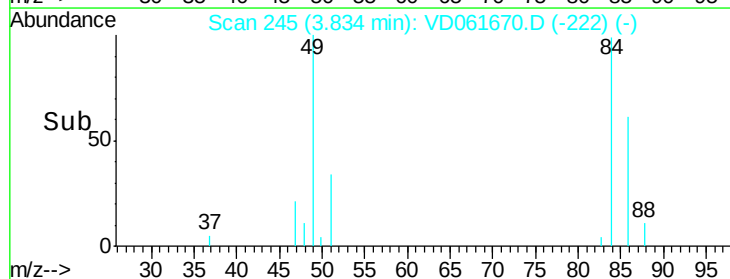
15000

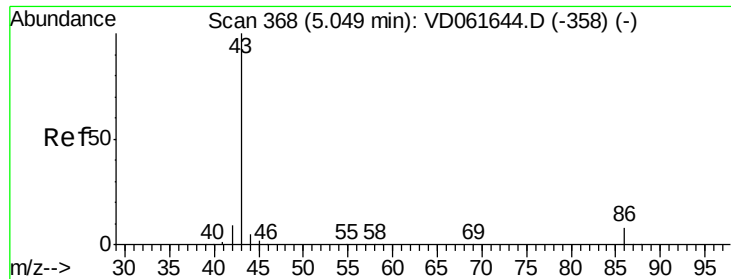
10000

5000

0

Time-->





#23

Vinyl Acetate

Concen: 42.063 ug/l

RT: 5.07 min Scan# 371

Delta R.T. 0.03 min

Lab File: VD061670.D

Acq: 9 Apr 2019 12:33

Instrument :

MSVOA_D

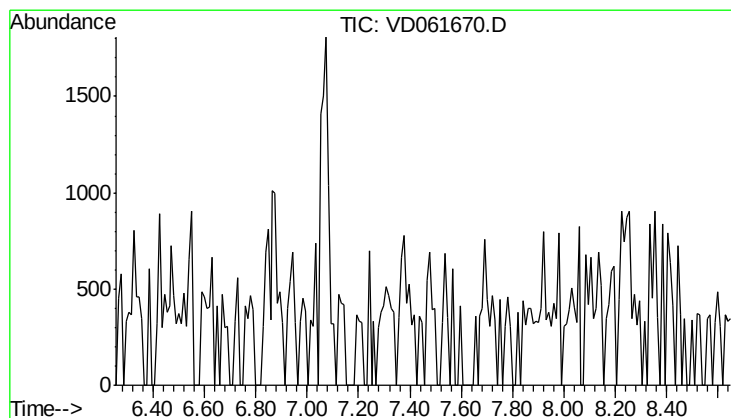
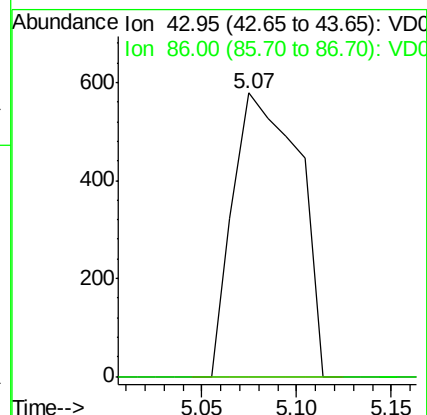
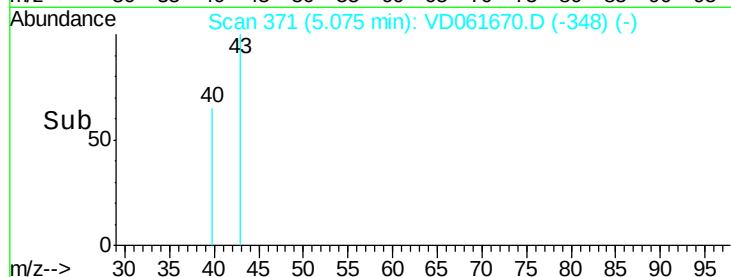
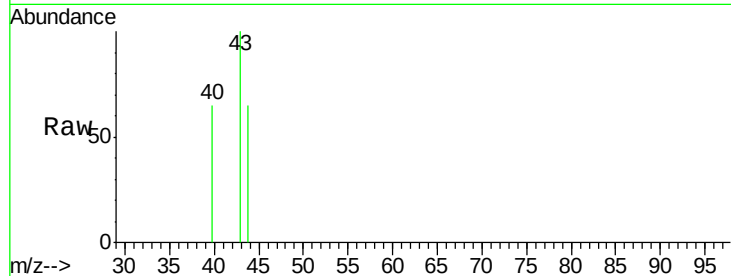
ClientSampleId :

Tot Ion: 43 Resp: 1399

Ion Ratio Lower Upper

43 100

86 0.0 6.4 9.6#



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

Expected RT: 7.45 min

Lab File: VD061670.D

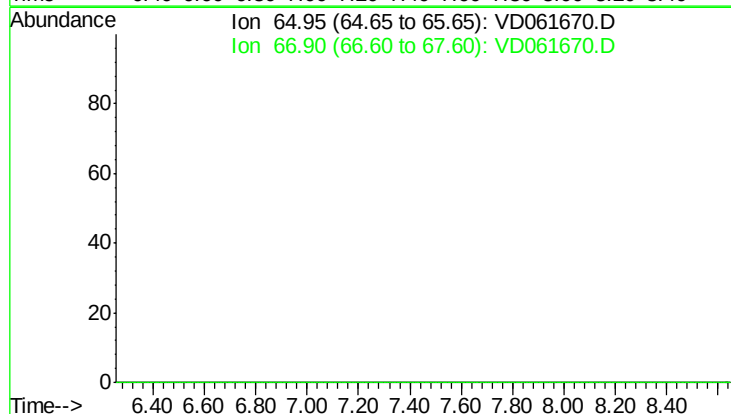
Acq: 9 Apr 2019 12:33

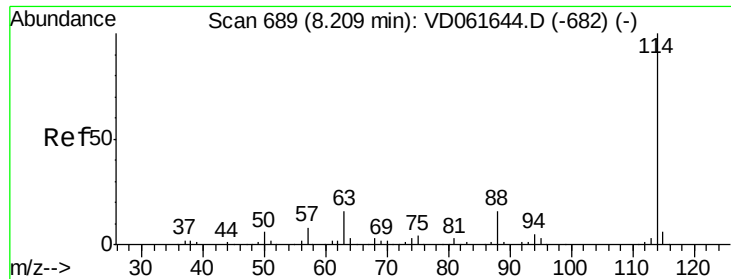
Tgt Ion: 65

Sig Exp Ratio

65 100

67 49.7

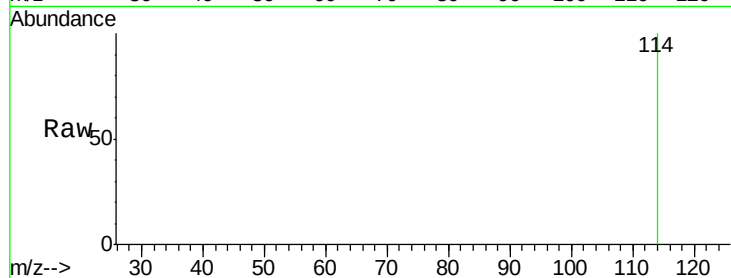




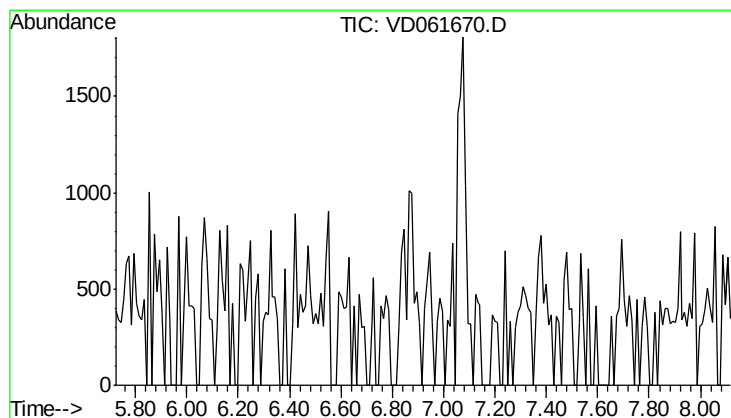
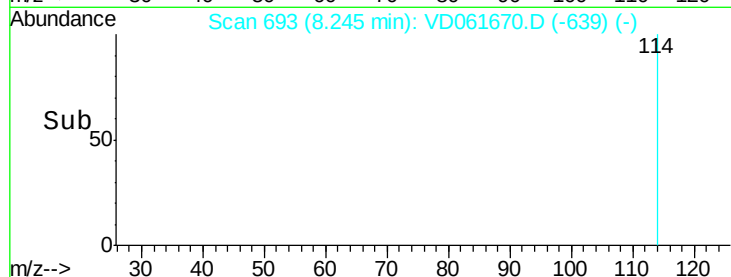
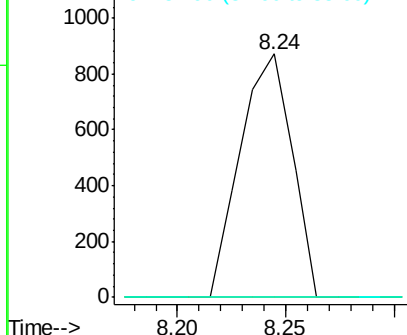
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 693
 Delta R.T. 0.04 min
 Lab File: VD061670.D
 Acq: 9 Apr 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 114 Resp: 1447
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 31.2
 88 0.0 0.0 31.8

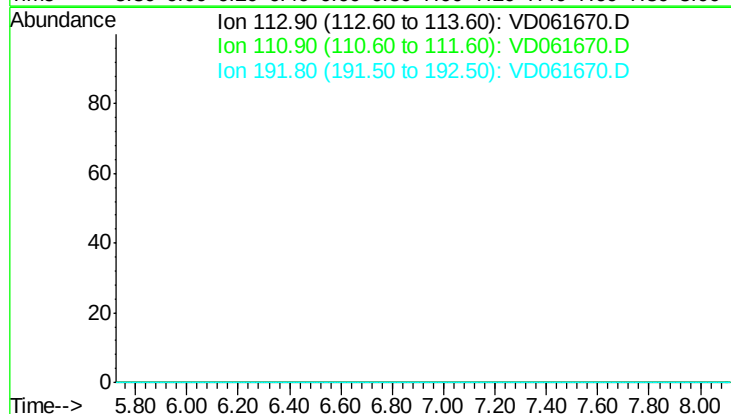


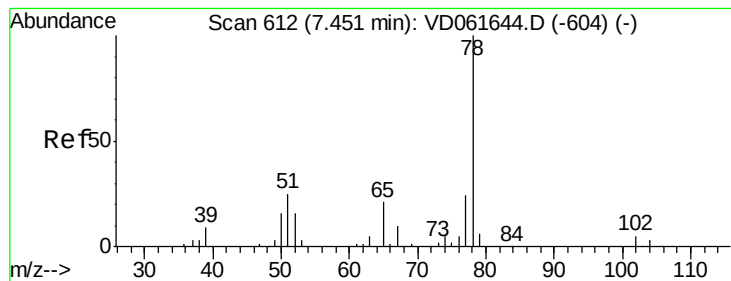
Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VD
 Ion 87.90 (87.60 to 88.60): VD



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 Expected RT: 6.92 min
 Lab File: VD061670.D
 Acq: 9 Apr 2019 12:33

Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 99.1
 192 15.4





#40

Benzene

Concen: 7.103 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.03 min

Lab File: VD061670.D

Acq: 9 Apr 2019 12:33

Instrument :

MSVOA_D

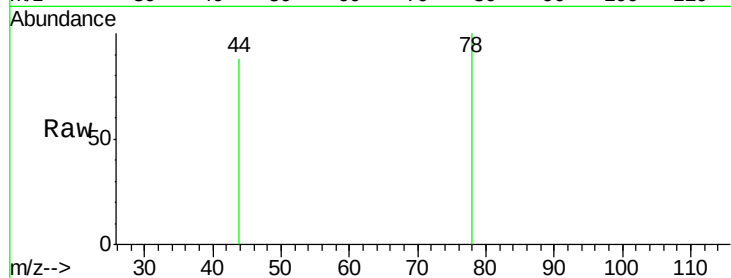
ClientSampleId :

Tot Ion: 78 Resp: 217

Ion Ratio Lower Upper

78 100

77 0.0 19.5 29.3#



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

7.48

400

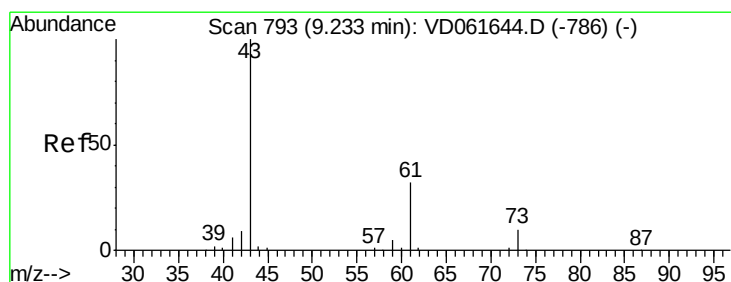
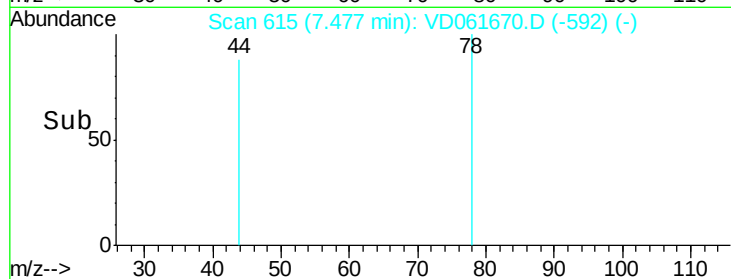
300

200

100

0

Time--> 7.44 7.46 7.48 7.50



#43

Isopropyl Acetate

Concen: 545.814 ug/l

RT: 9.56 min Scan# 827

Delta R.T. 0.33 min

Lab File: VD061670.D

Acq: 9 Apr 2019 12:33

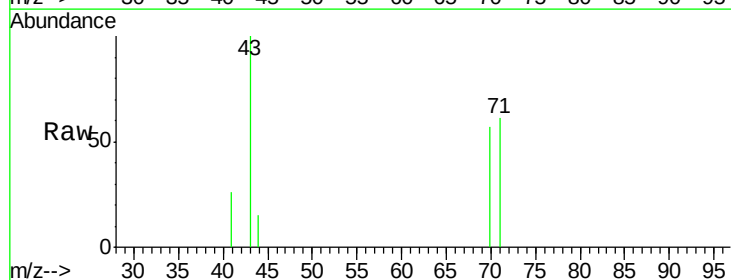
Tgt Ion: 43 Resp: 4086

Ion Ratio Lower Upper

43 100

61 0.0 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

2500

2000

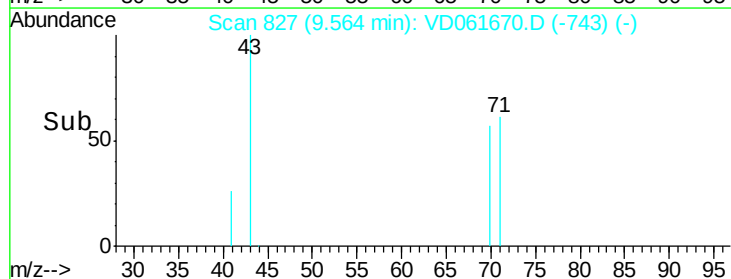
1500

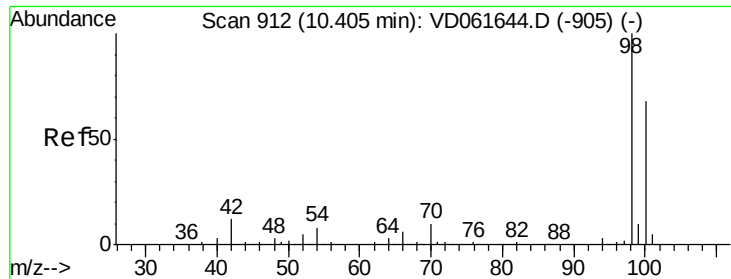
1000

500

0

Time--> 9.50 9.55 9.60





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD061670.D

Acq: 9 Apr 2019 12:33

Instrument :

MSVOA_D

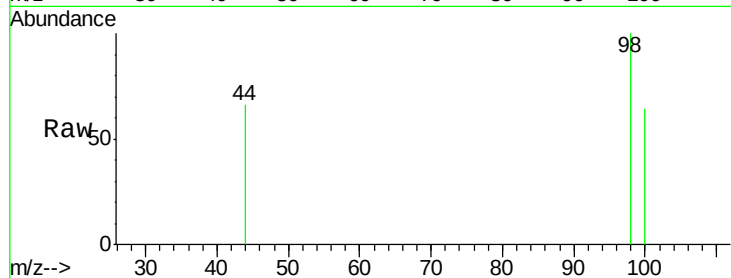
ClientSampleId :

Tot Ion: 98 Resp: 950

Ion Ratio Lower Upper

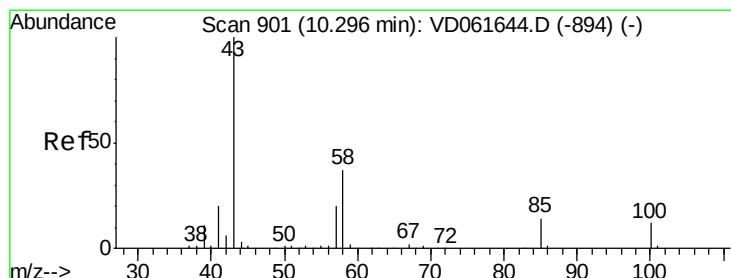
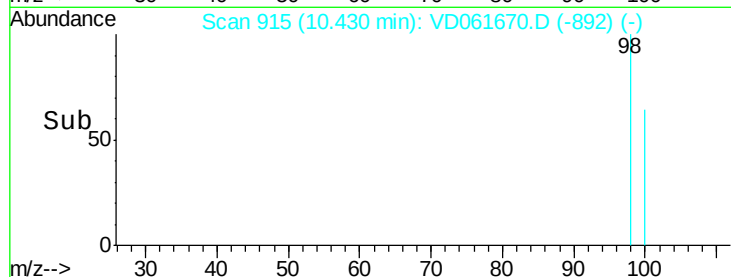
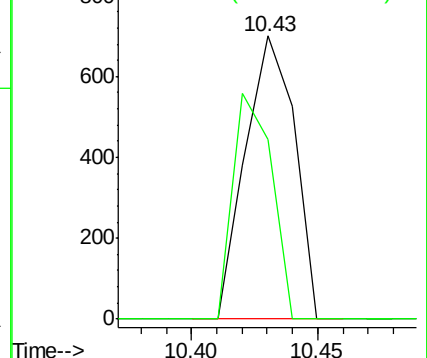
98 100

100 63.7 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VD0

Ion 100.05 (99.75 to 100.75): VD



#51

4-Methyl-2-Pentanone

Concen: 457.398 ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.09 min

Lab File: VD061670.D

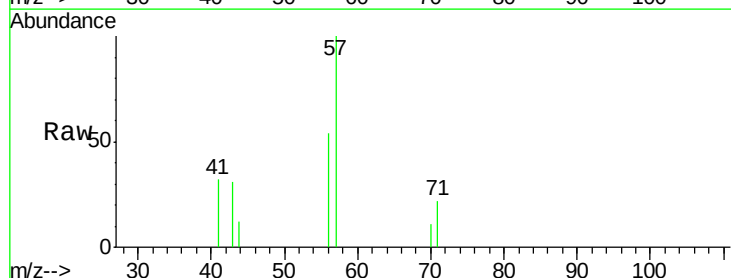
Acq: 9 Apr 2019 12:33

Tgt Ion: 43 Resp: 2025

Ion Ratio Lower Upper

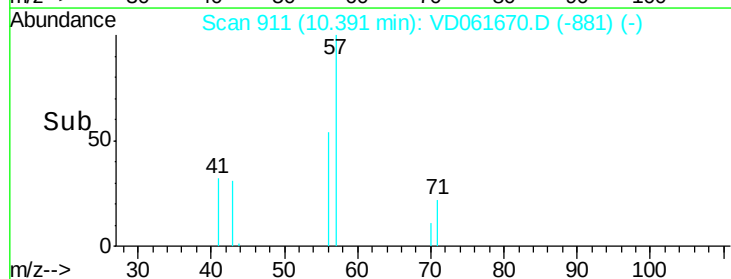
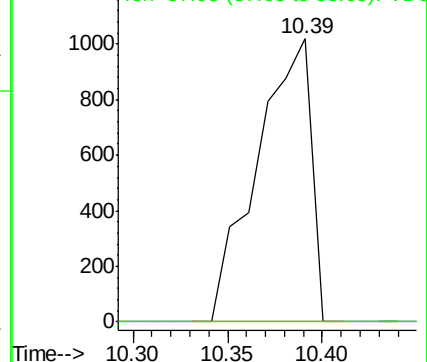
43 100

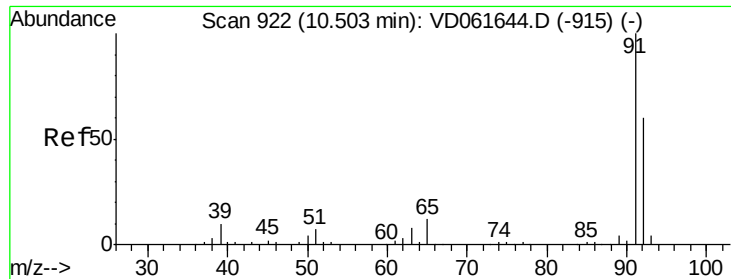
58 0.0 29.8 44.8#



Abundance Ion 42.95 (42.65 to 43.65): VD0

Ion 57.95 (57.65 to 58.65): VD0





#52

Toluene

Concen: 39.156 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD061670.D

Acq: 9 Apr 2019 12:33

Instrument :

MSVOA_D

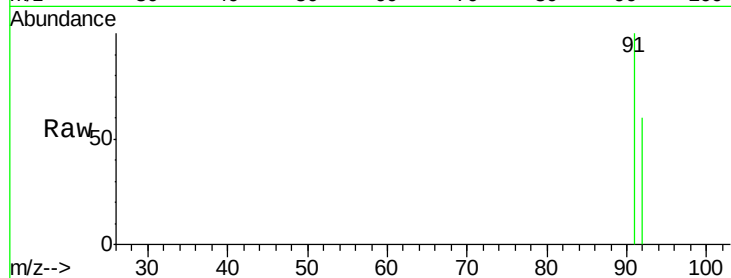
ClientSampled :

Tot Ion: 92 Resp: 747

Ion Ratio Lower Upper

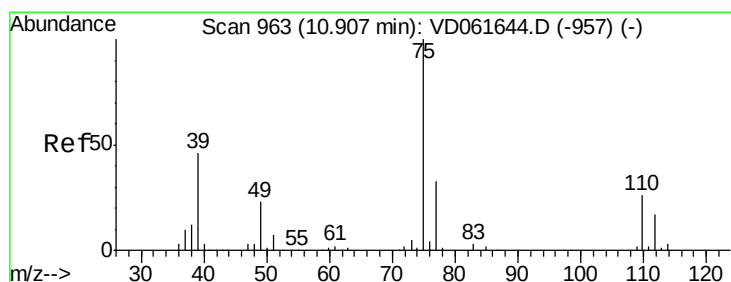
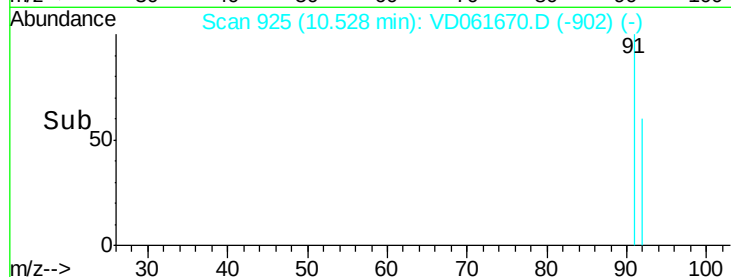
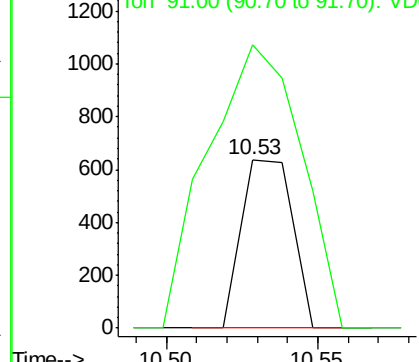
92 100

91 167.9 133.0 199.4



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: 18.130 ug/l

RT: 10.93 min Scan# 966

Delta R.T. 0.03 min

Lab File: VD061670.D

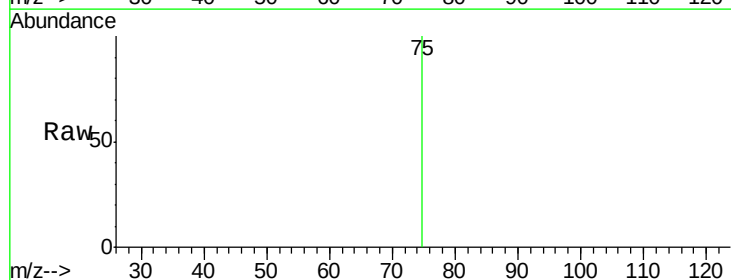
Acq: 9 Apr 2019 12:33

Tgt Ion: 75 Resp: 189

Ion Ratio Lower Upper

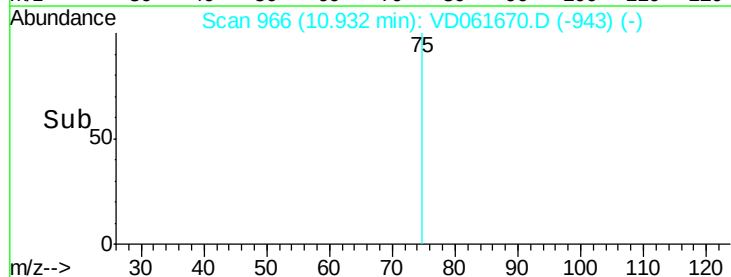
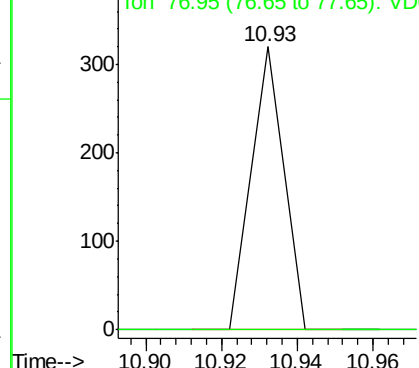
75 100

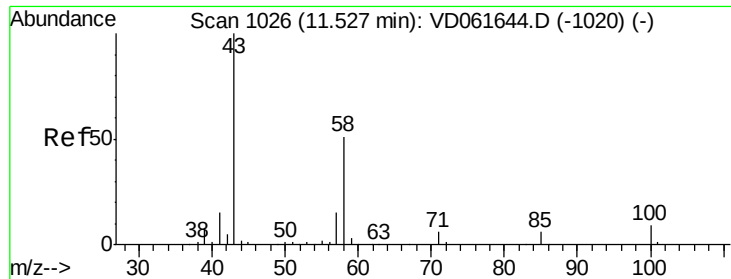
77 0.0 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

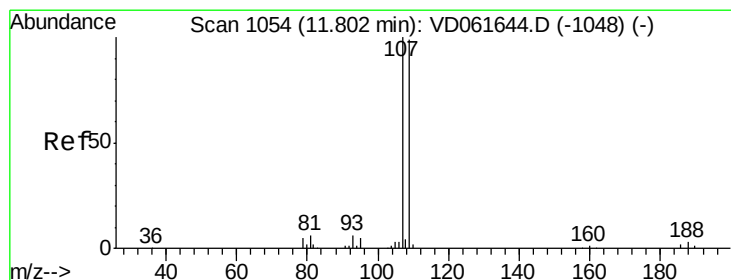
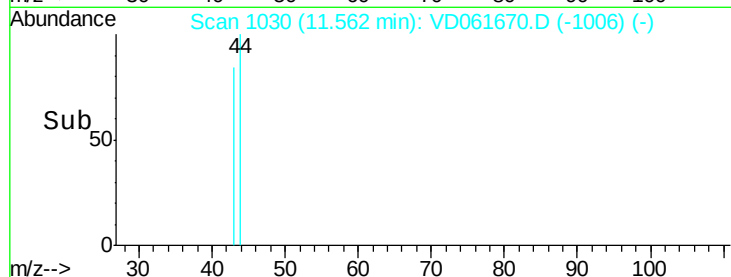
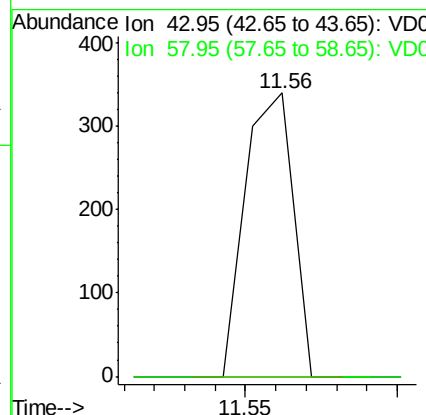
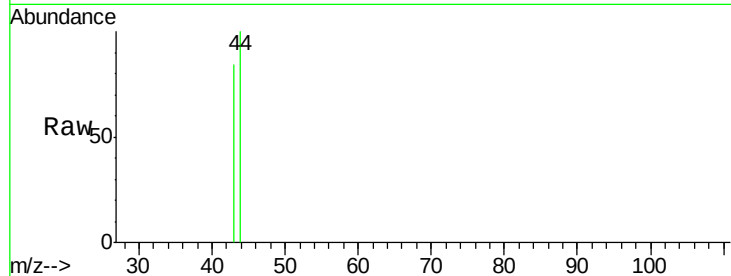




#59
2-Hexanone
Concen: 110.307 ug/l
RT: 11.56 min Scan# 1030
Delta R.T. 0.04 min
Lab File: VD061670.D
Acq: 9 Apr 2019 12:33

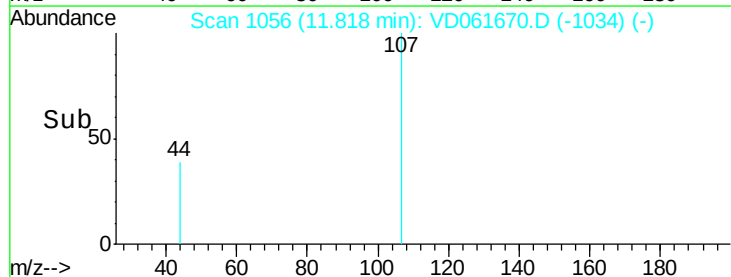
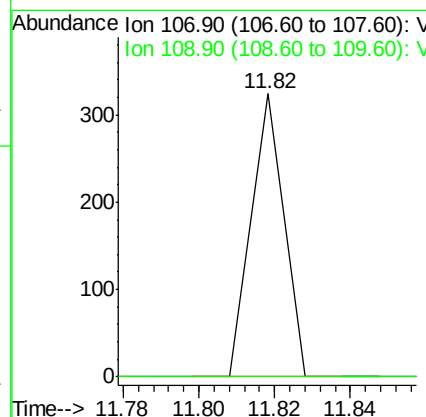
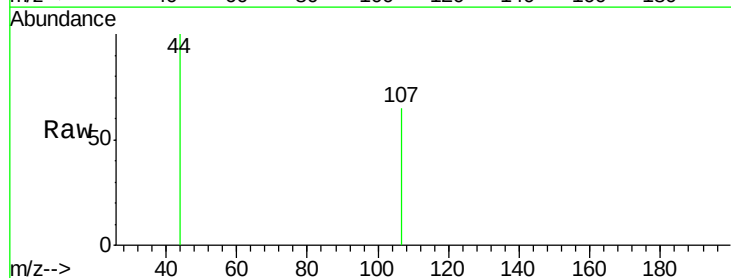
Instrument :
MSVOA_D
ClientSampleId :

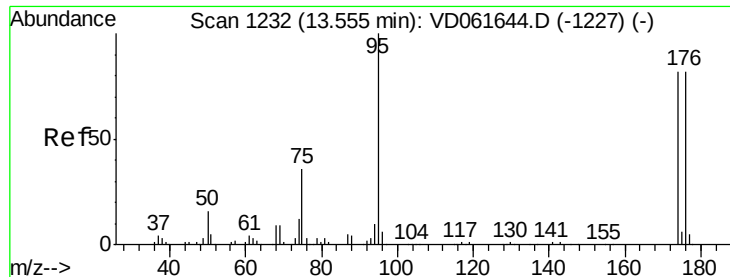
Tot Ion: 43 Resp: 379
Ion Ratio Lower Upper
43 100
58 0.0 25.6 76.8#



#61
1,2-Dibromoethane
Concen: 25.383 ug/l
RT: 11.82 min Scan# 1056
Delta R.T. 0.02 min
Lab File: VD061670.D
Acq: 9 Apr 2019 12:33

Tgt Ion: 107 Resp: 191
Ion Ratio Lower Upper
107 100
109 0.0 79.2 118.8#





#62

4-Bromofluorobenzene

Concen: 25.383 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD061670.D

Acq: 9 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

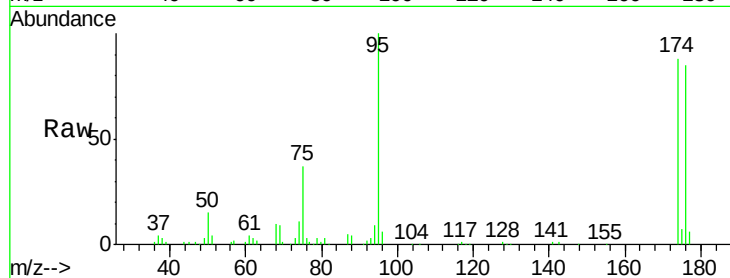
Tot Ion: 95 Resp: 177932

Ion Ratio Lower Upper

95 100

174 88.1 0.0 164.6

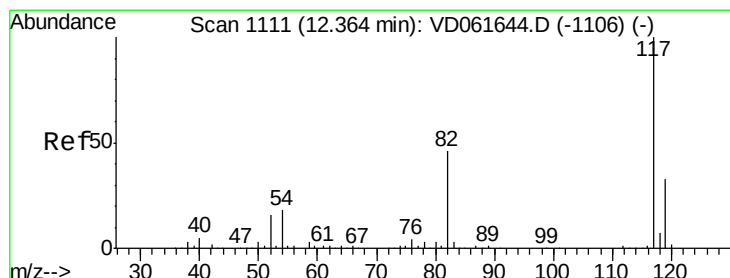
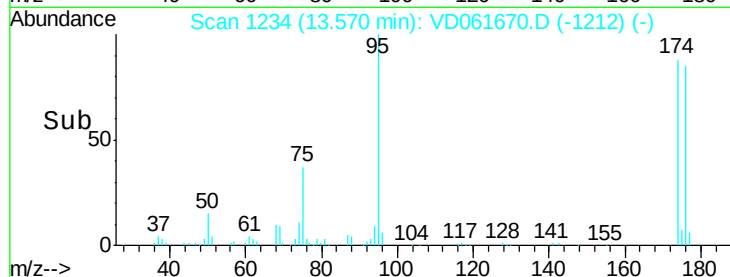
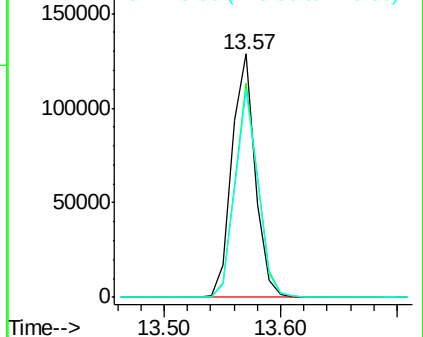
176 85.3 0.0 165.0



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.38 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD061670.D

Acq: 9 Apr 2019 12:33

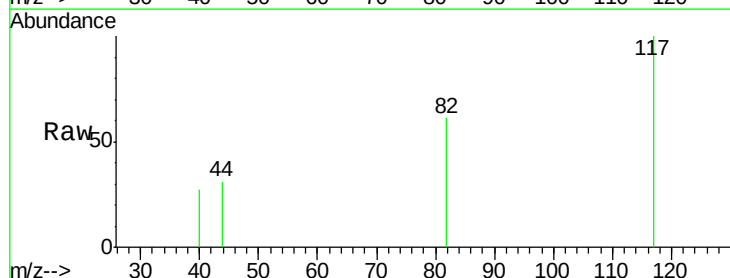
Tgt Ion: 117 Resp: 1716

Ion Ratio Lower Upper

117 100

82 61.5 36.8 55.2#

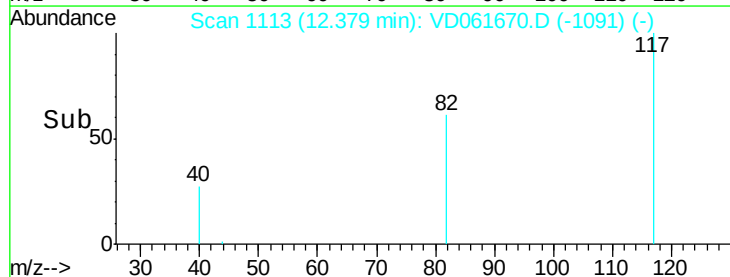
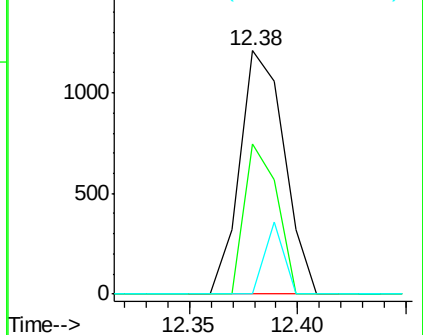
119 0.0 26.1 39.1#

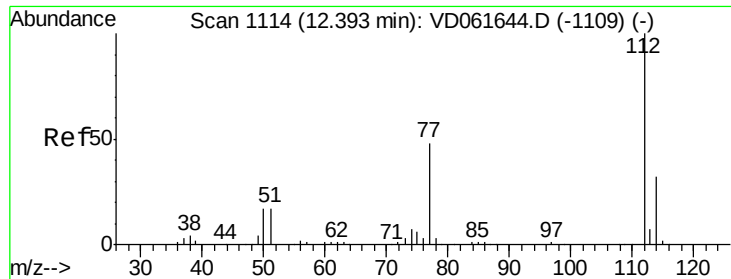


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

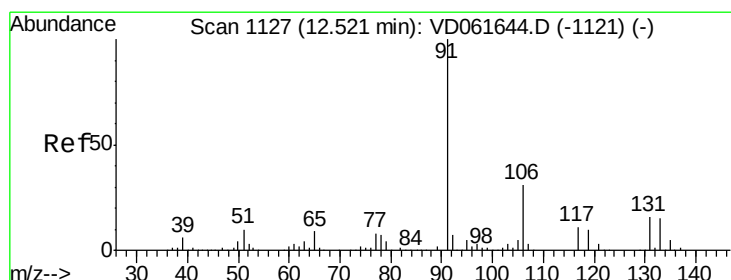
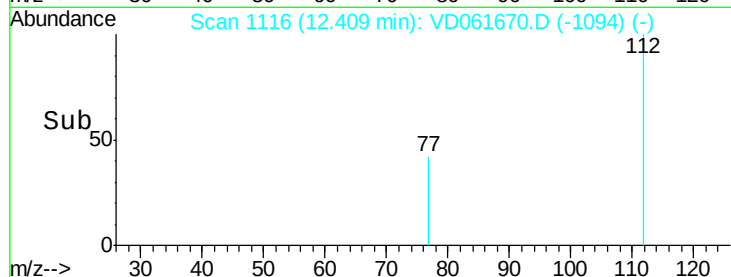
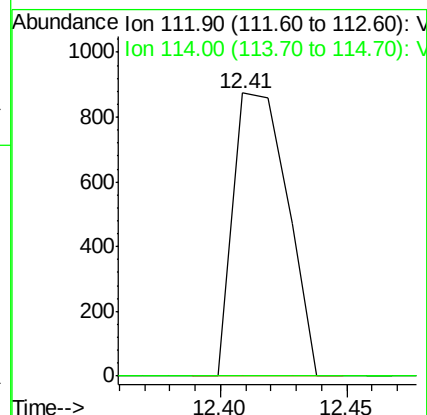
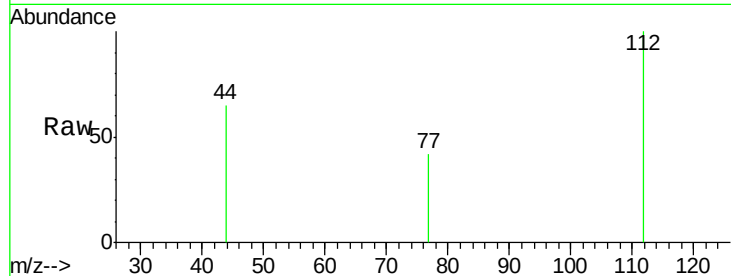




#65
Chlorobenzene
Concen: 38.289 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD061670.D
Acq: 9 Apr 2019 12:33

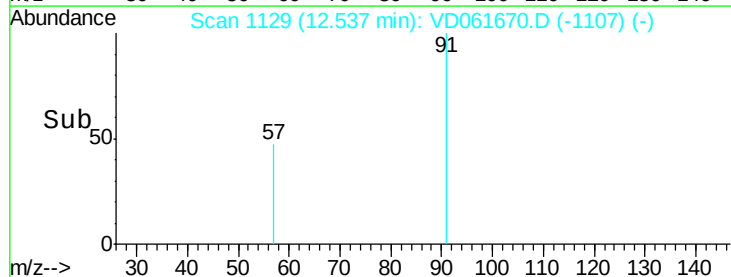
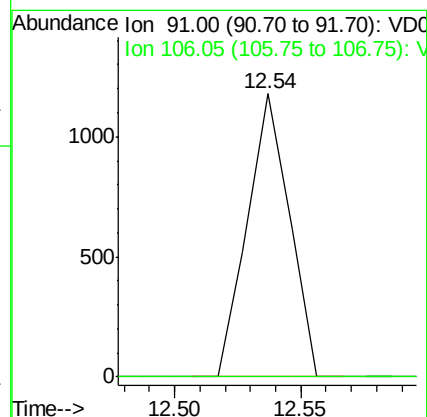
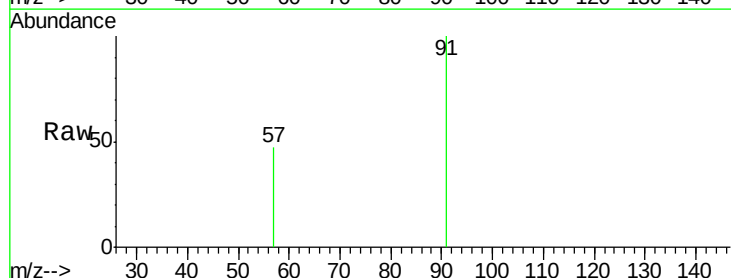
Instrument :
MSVOA_D
ClientSampleId :

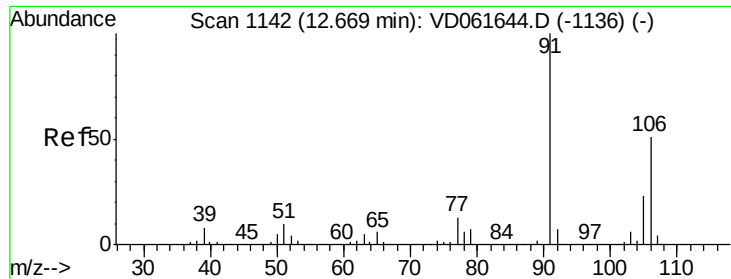
Tot Ion:112 Resp: 1303
Ion Ratio Lower Upper
112 100
114 0.0 25.6 38.4#



#67
Ethyl Benzene
Concen: 26.341 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD061670.D
Acq: 9 Apr 2019 12:33

Tgt Ion: 91 Resp: 1365
Ion Ratio Lower Upper
91 100
106 0.0 24.6 37.0#





#68

m/p-Xylenes

Concen: 49.904 ug/l

RT: 12.68 min Scan# 1144

Delta R.T. 0.02 min

Lab File: VD061670.D

Acq: 9 Apr 2019 12:33

Instrument :

MSVOA_D

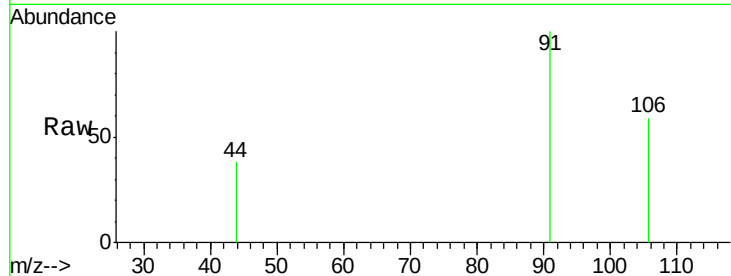
ClientSampleId :

Tot Ion:106 Resp: 997

Ion Ratio Lower Upper

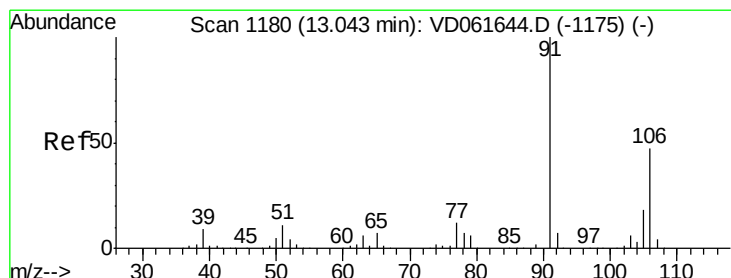
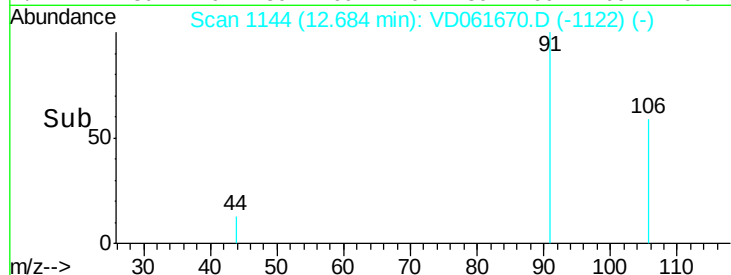
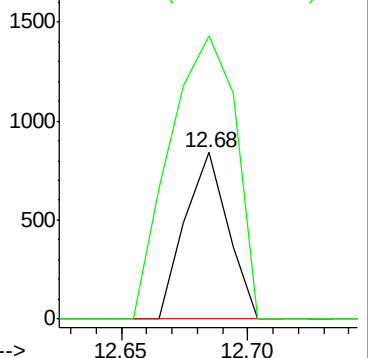
106 100

91 169.8 156.7 235.1



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#69

o-Xylene

Concen: 11.771 ug/l

RT: 13.06 min Scan# 1182

Delta R.T. 0.02 min

Lab File: VD061670.D

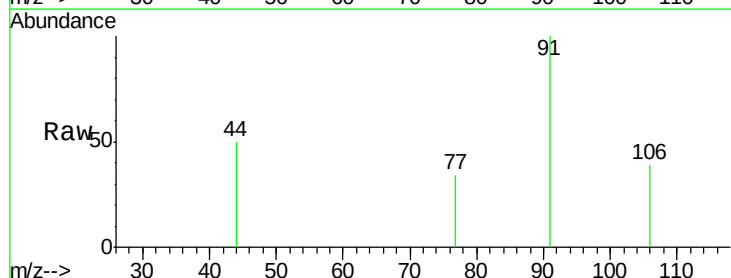
Acq: 9 Apr 2019 12:33

Tgt Ion:106 Resp: 227

Ion Ratio Lower Upper

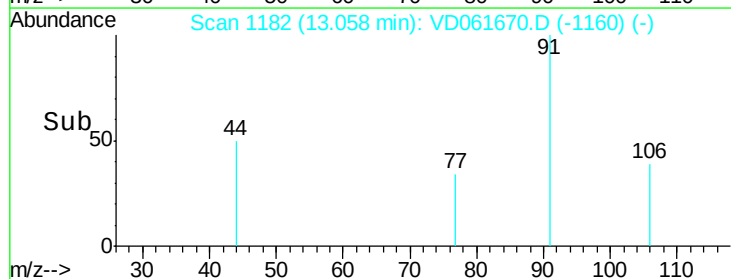
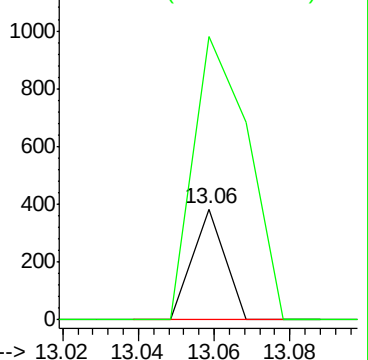
106 100

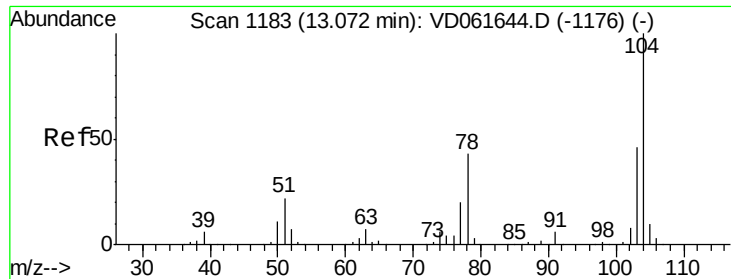
91 254.9 107.3 321.9



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC





#70

Stvrene

Concen: 39.836 ug/l

RT: 13.09 min Scan# 1185

Delta R.T. 0.02 min

Lab File: VD061670.D

Acq: 9 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

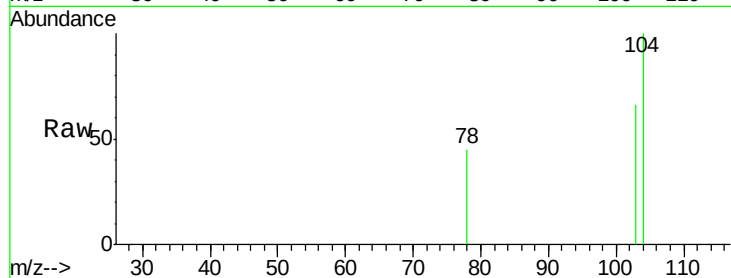
Tot Ion:104 Resp: 1312

Ion Ratio Lower Upper

104 100

78 45.0 34.2 51.4

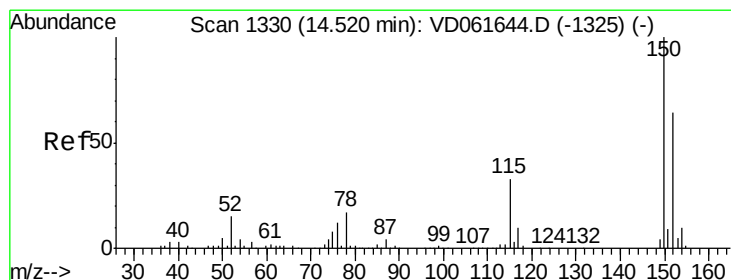
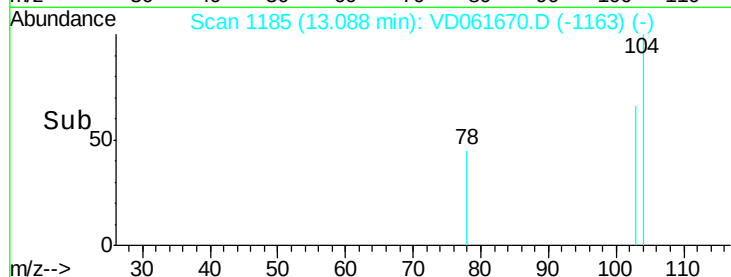
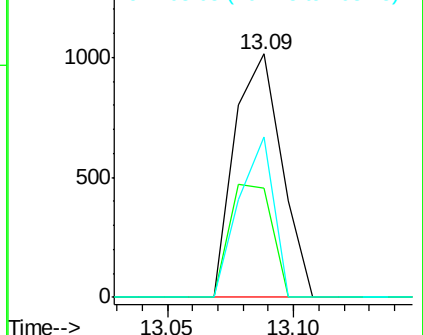
103 65.8 37.2 55.8#



Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): V

Ion 103.05 (102.75 to 103.75): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061670.D

Acq: 9 Apr 2019 12:33

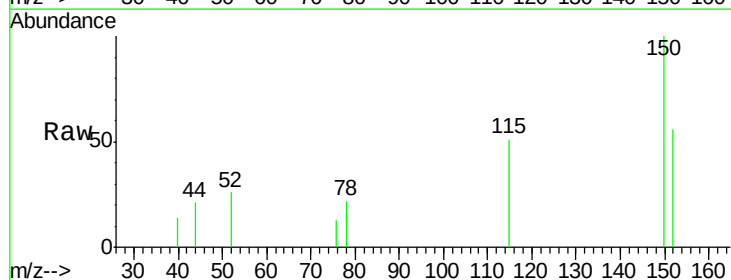
Tgt Ion:152 Resp: 2114

Ion Ratio Lower Upper

152 100

115 90.9 26.4 79.2#

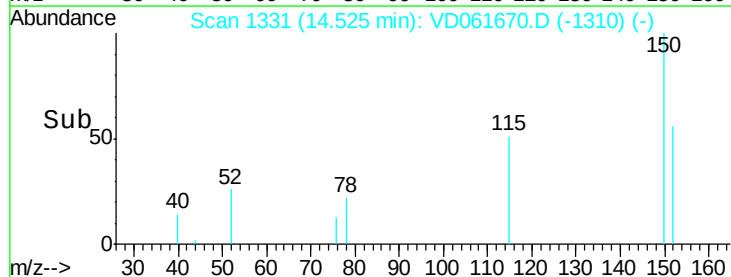
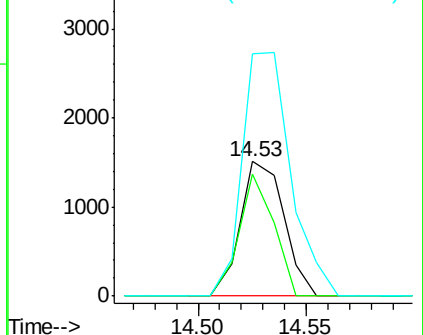
150 179.6 0.0 320.6

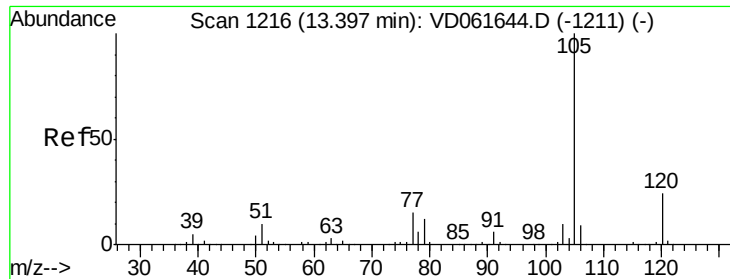


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 11.025 ug/l

RT: 13.42 min Scan# 1219

Delta R.T. 0.03 min

Lab File: VD061670.D

Acq: 9 Apr 2019 12:33

Instrument :

MSVOA_D

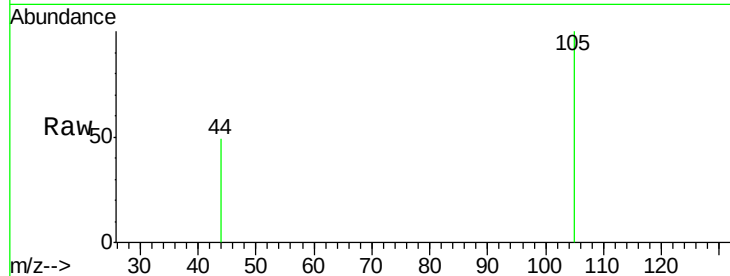
ClientSampleId :

Tot Ion:105 Resp: 1553

Ion Ratio Lower Upper

105 100

120 0.0 12.2 36.4#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1200

1000

800

600

400

200

0

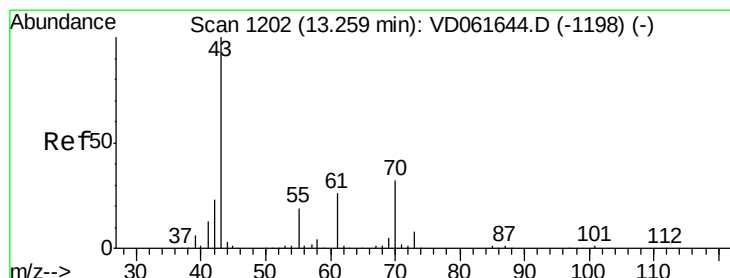
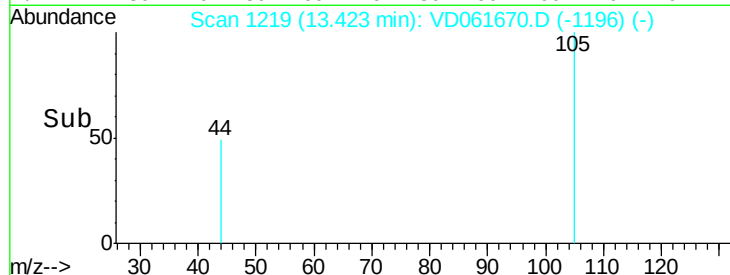
13.35

13.40

13.42

13.45

Time-->



#74

N-ethyl acetate

Concen: 5.670 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD061670.D

Acq: 9 Apr 2019 12:33

Tgt Ion: 43 Resp: 217

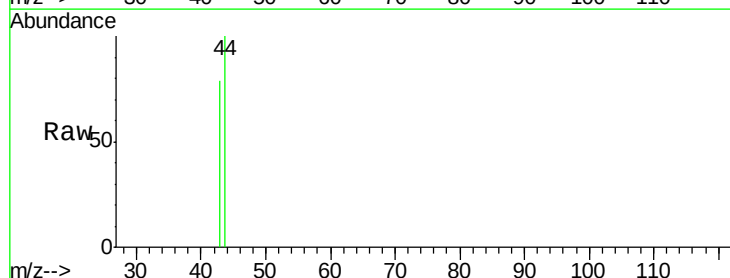
Ion Ratio Lower Upper

43 100

70 0.0 25.4 38.2#

55 0.0 15.0 22.4#

61 0.0 20.9 31.3#



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

500

400

300

200

100

0

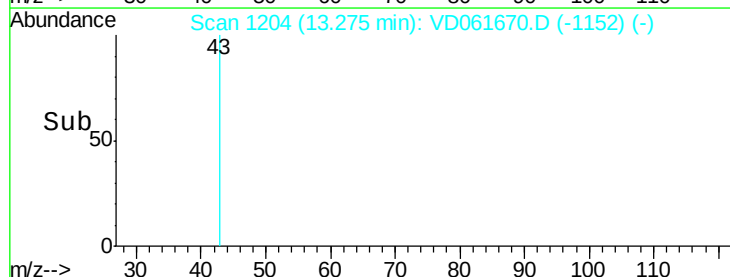
13.24

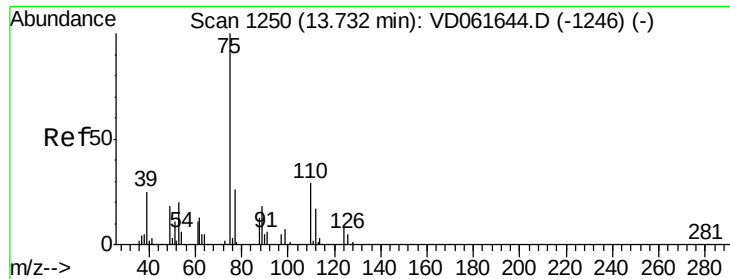
13.26

13.28

13.30

Time-->





#76

1,2,3-Trichloropropane

Concen: 2271.160 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD061670.D

Acq: 9 Apr 2019 12:33

Instrument :

MSVOA_D

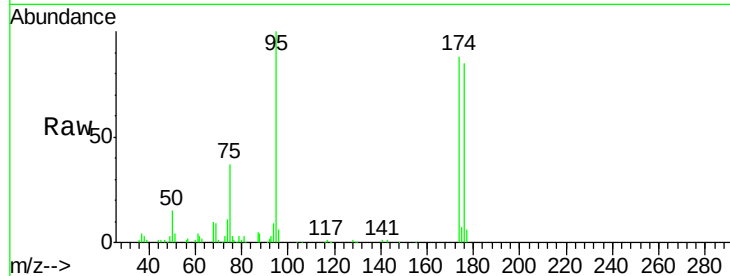
ClientSampled :

Tot Ion: 75 Resp: 65321

Ion Ratio Lower Upper

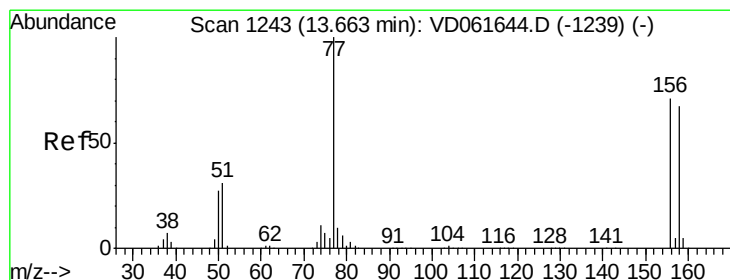
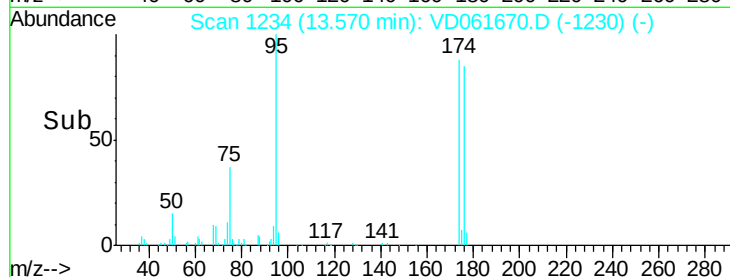
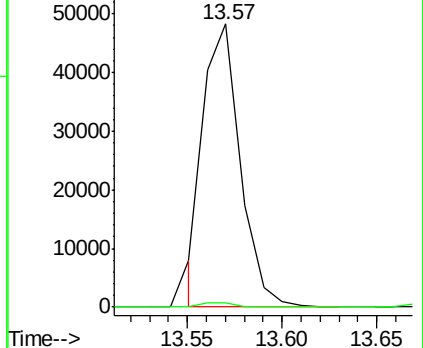
75 100

77 1.5 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: 17.879 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD061670.D

Acq: 9 Apr 2019 12:33

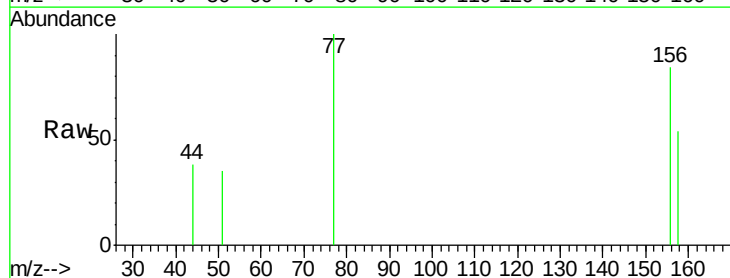
Tgt Ion: 156 Resp: 731

Ion Ratio Lower Upper

156 100

77 118.5 70.3 210.8

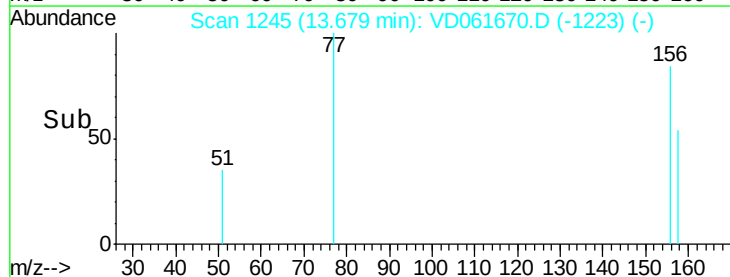
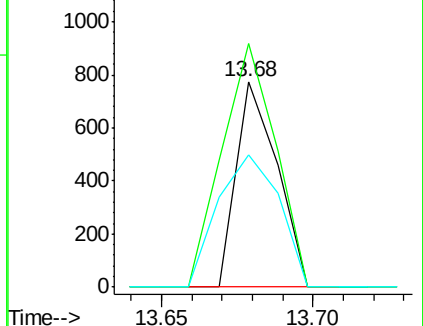
158 64.5 47.4 142.2

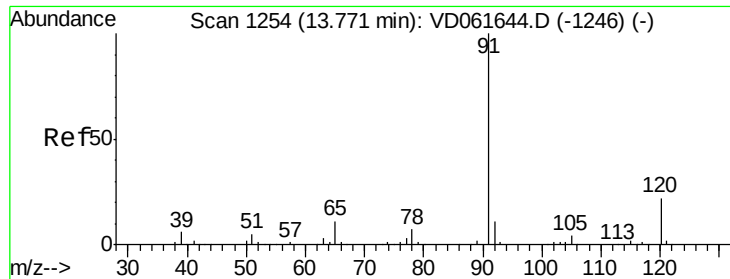


Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V





#78

n-propylbenzene

Concen: 14.149 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD061670.D

Acq: 9 Apr 2019 12:33

Instrument :

MSVOA_D

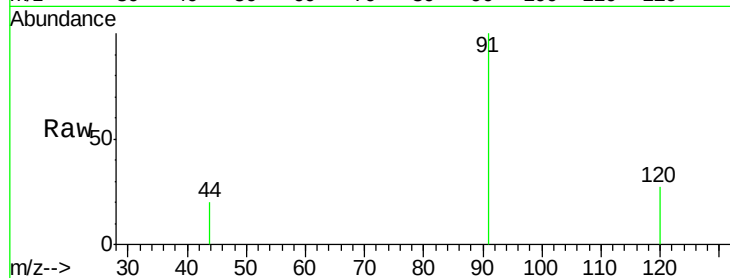
ClientSampleId :

Tot Ion: 91 Resp: 2384

Ion Ratio Lower Upper

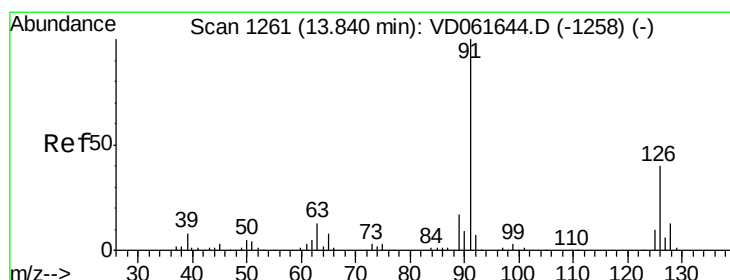
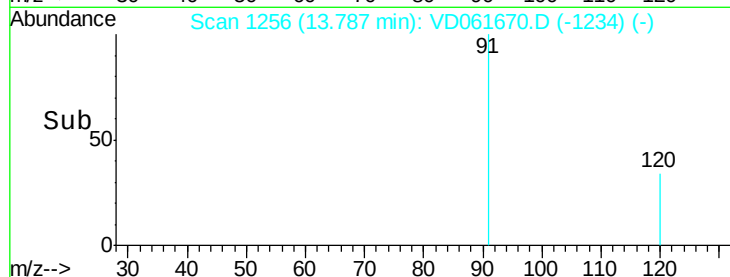
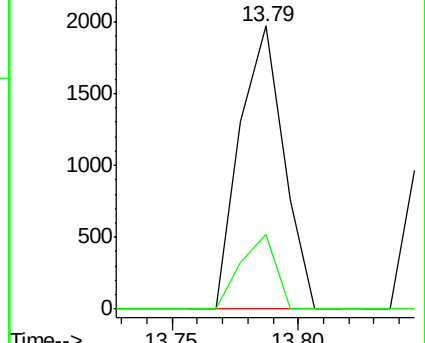
91 100

120 26.6 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 15.443 ug/l

RT: 13.86 min Scan# 1263

Delta R.T. 0.02 min

Lab File: VD061670.D

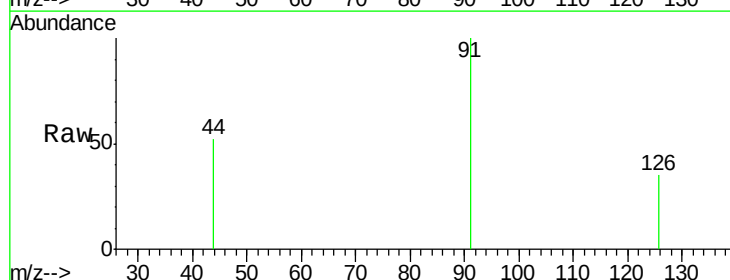
Acq: 9 Apr 2019 12:33

Tgt Ion: 91 Resp: 1488

Ion Ratio Lower Upper

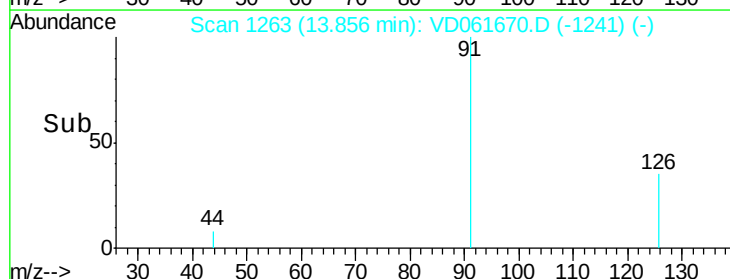
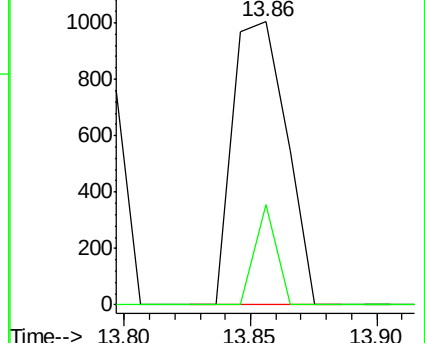
91 100

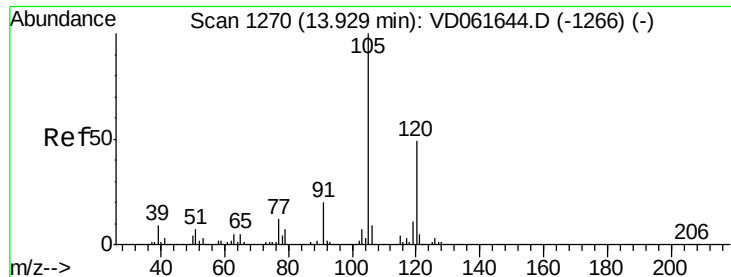
126 35.5 20.0 59.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

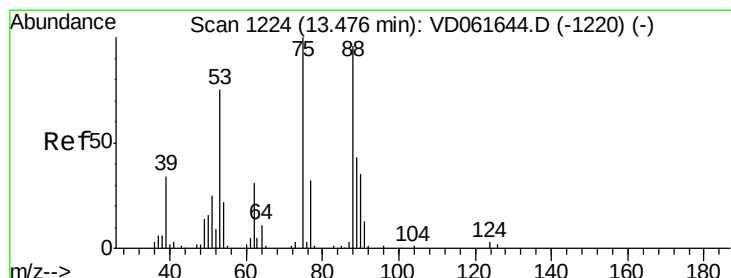
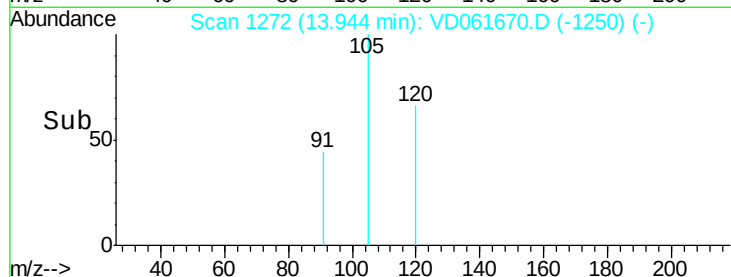
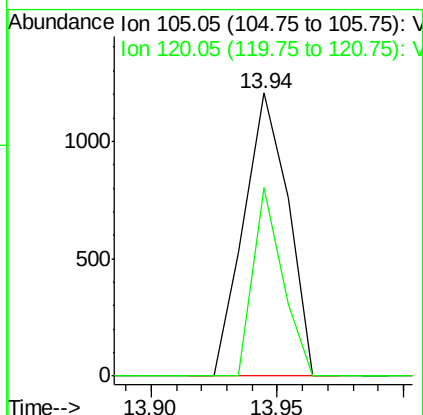
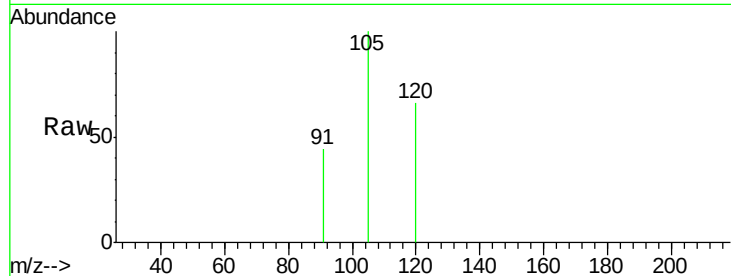




#80
 1,3,5-Trimethylbenzene
 Concen: 13.148 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.02 min
 Lab File: VD061670.D
 Acq: 9 Apr 2019 12:33

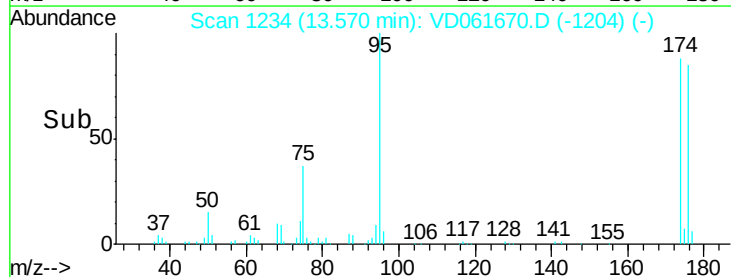
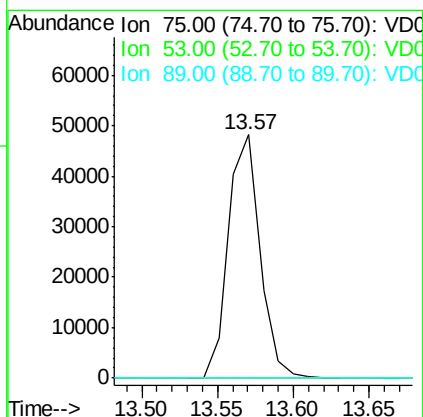
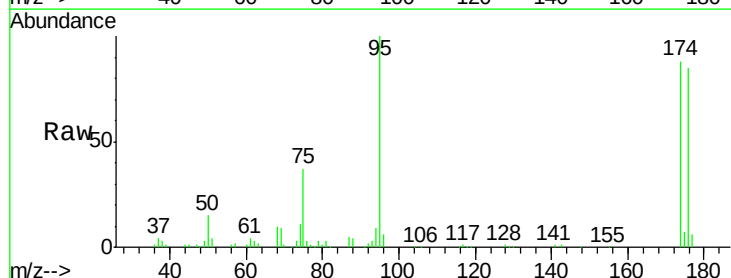
Instrument :
 MSVOA_D
 ClientSampleId :

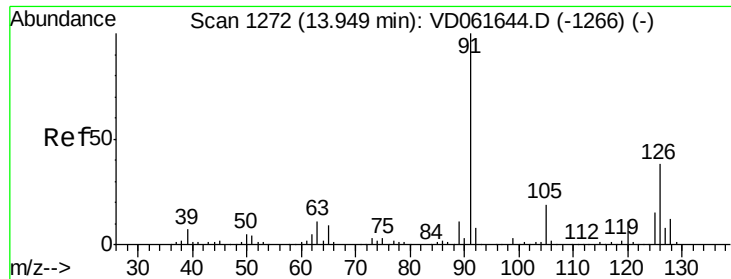
Tot Ion:105 Resp: 1470
 Ion Ratio Lower Upper
 105 100
 120 66.5 24.4 73.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 8024.162 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.09 min
 Lab File: VD061670.D
 Acq: 9 Apr 2019 12:33

Tgt Ion: 75 Resp: 70032
 Ion Ratio Lower Upper
 75 100
 53 0.0 60.2 90.2#
 89 0.0 34.2 51.2#

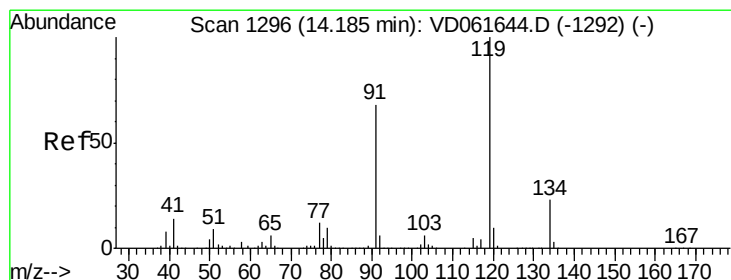
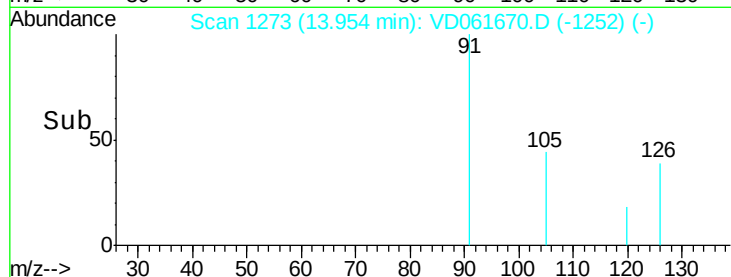
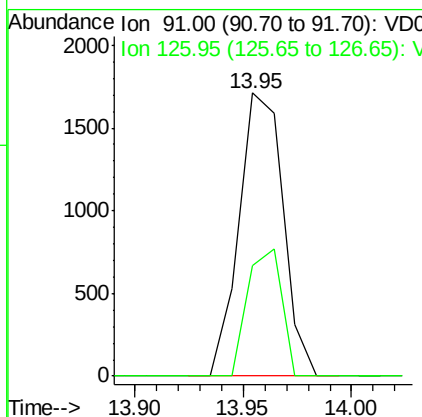
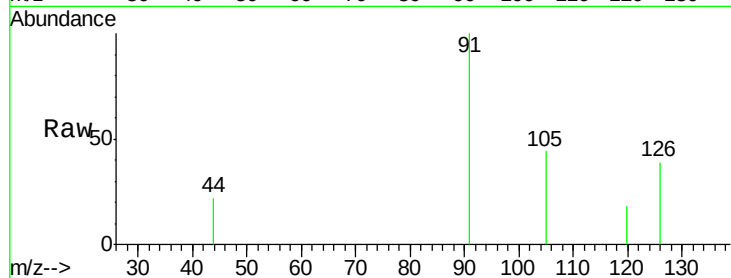




#82
 4-Chlorotoluene
 Concen: 23.157 ug/l
 RT: 13.95 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VD061670.D
 Acq: 9 Apr 2019 12:33

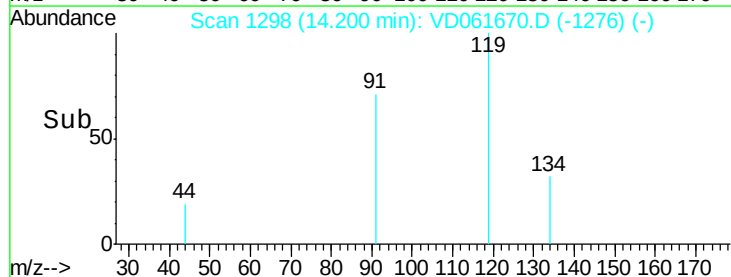
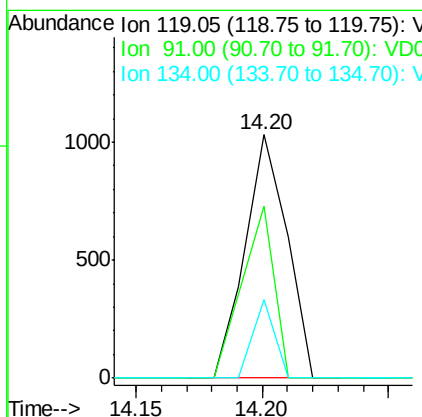
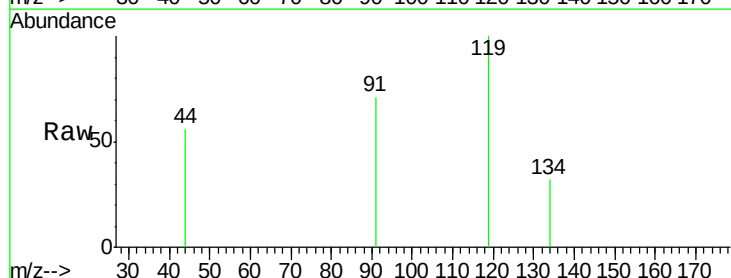
Instrument :
 MSVOA_D
 ClientSampleId :

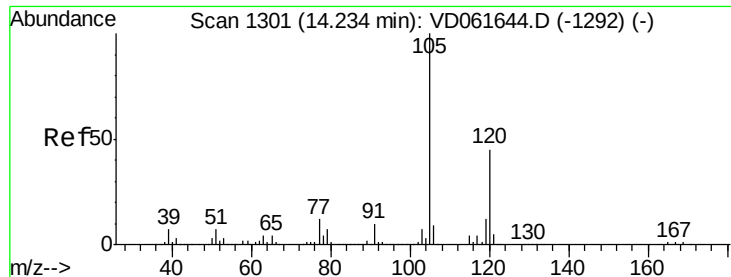
Tot Ion: 91 Resp: 2445
 Ion Ratio Lower Upper
 91 100
 126 39.2 19.0 57.0



#83
 tert-Butylbenzene
 Concen: 8.858 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.02 min
 Lab File: VD061670.D
 Acq: 9 Apr 2019 12:33

Tgt Ion: 119 Resp: 1194
 Ion Ratio Lower Upper
 119 100
 91 70.7 33.9 101.6
 134 32.4 11.6 34.8

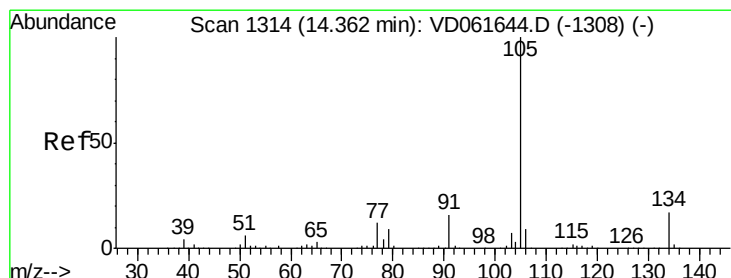
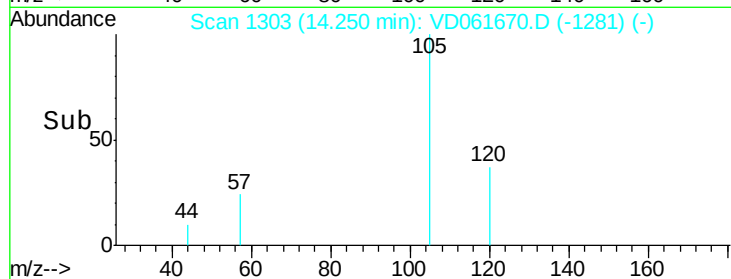
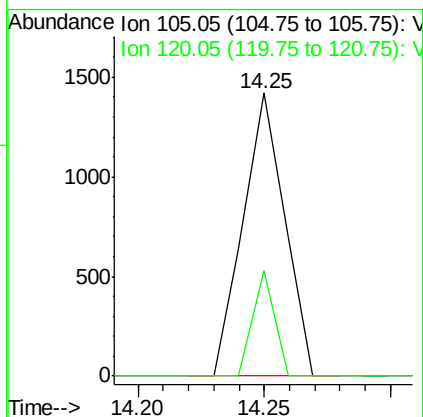
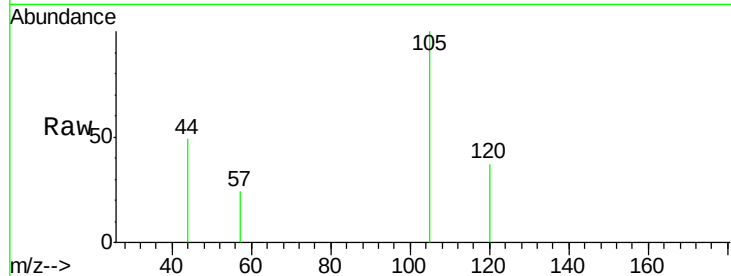




#84
 1,2,4-Trimethylbenzene
 Concen: 14.410 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.02 min
 Lab File: VD061670.D
 Acq: 9 Apr 2019 12:33

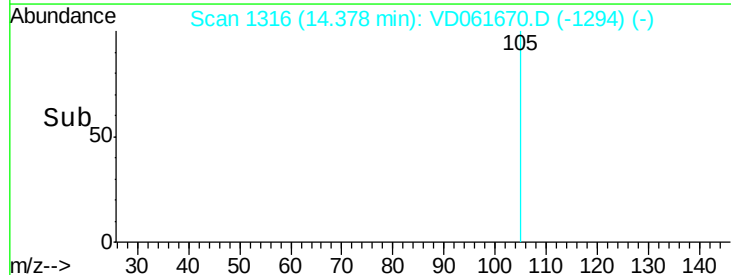
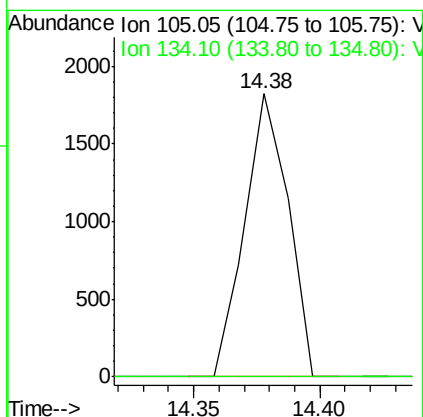
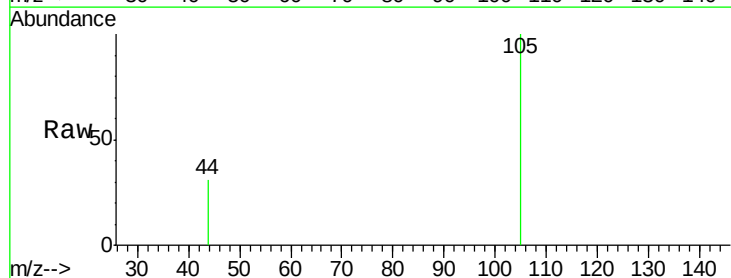
Instrument :
 MSVOA_D
 ClientSampleId :

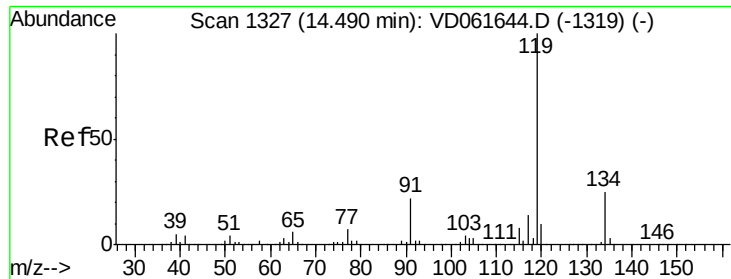
Tot Ion:105 Resp: 1626
 Ion Ratio Lower Upper
 105 100
 120 37.2 22.6 67.8



#85
 sec-Butylbenzene
 Concen: 14.968 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.02 min
 Lab File: VD061670.D
 Acq: 9 Apr 2019 12:33

Tgt Ion:105 Resp: 2180
 Ion Ratio Lower Upper
 105 100
 134 0.0 8.6 25.7#

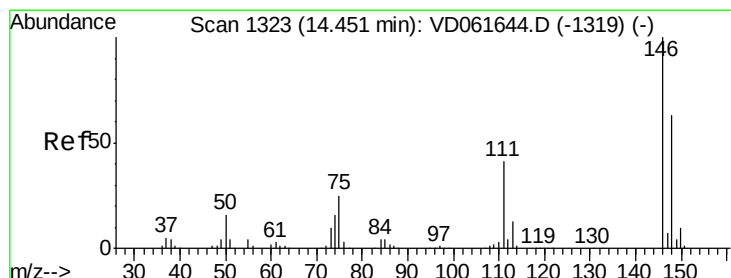
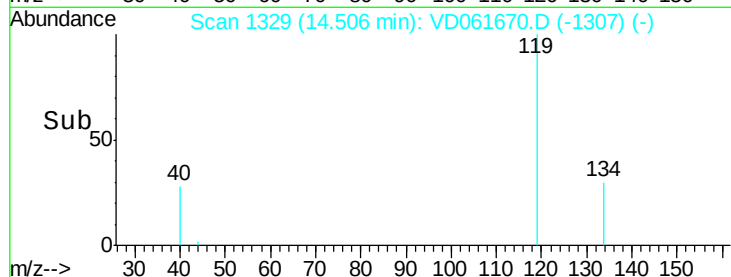
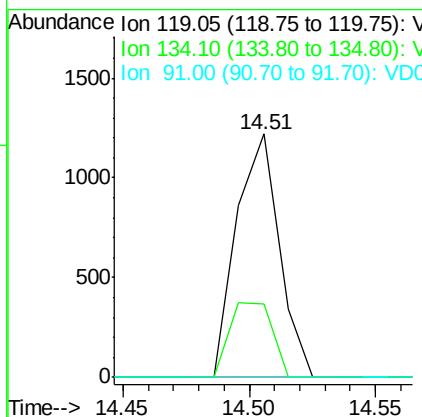
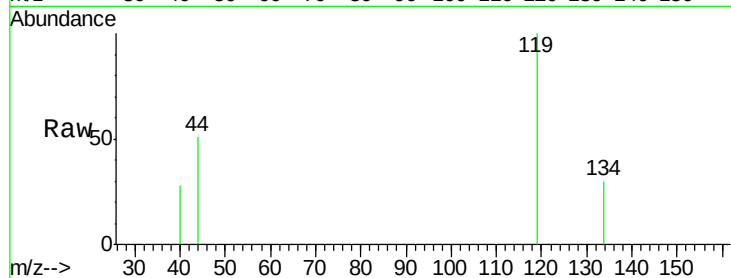




#86
 p-Isopropyltoluene
 Concen: 11.350 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. 0.02 min
 Lab File: VD061670.D
 Acq: 9 Apr 2019 12:33

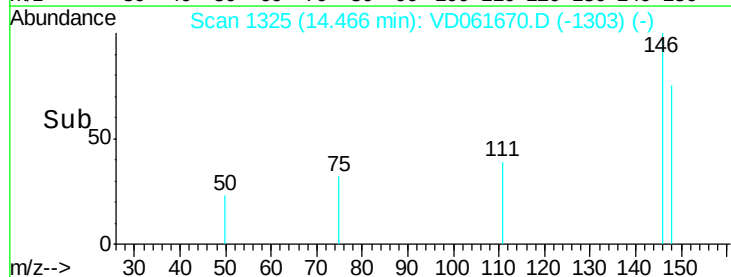
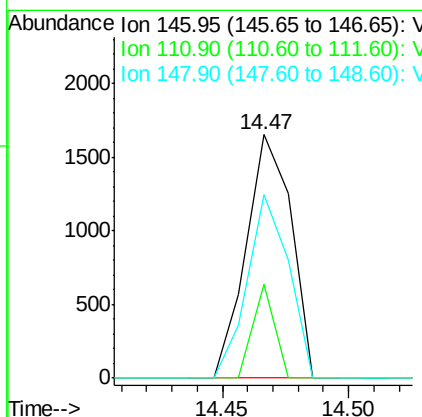
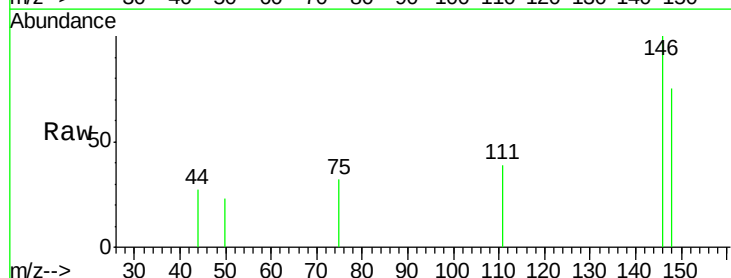
Instrument :
 MSVOA_D
 ClientSampleId :

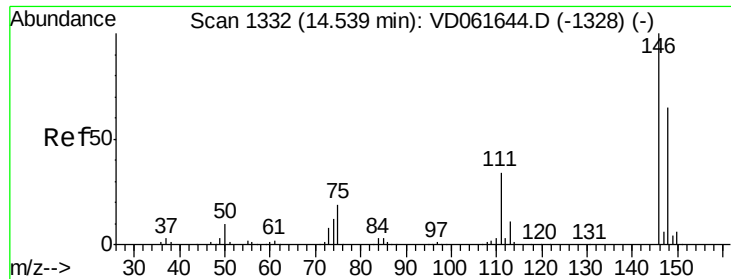
Tot Ion:119 Resp: 1434
 Ion Ratio Lower Upper
 119 100
 134 30.3 12.5 37.5
 91 0.0 11.0 33.0#



#87
 1,3-Dichlorobenzene
 Concen: 29.148 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.02 min
 Lab File: VD061670.D
 Acq: 9 Apr 2019 12:33

Tgt Ion:146 Resp: 2051
 Ion Ratio Lower Upper
 146 100
 111 38.5 20.3 61.0
 148 75.4 31.7 95.1





#88

1,4-Dichlorobenzene

Concen: 34.142 ug/l

RT: 14.54 min Scan# 1333

Delta R.T. 0.01 min

Lab File: VD061670.D

Acq: 9 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

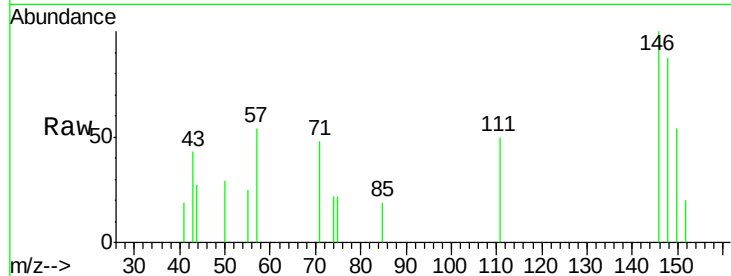
Tot Ion:146 Resp: 2424

Ion Ratio Lower Upper

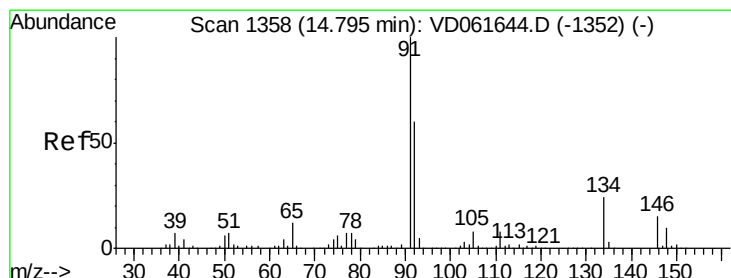
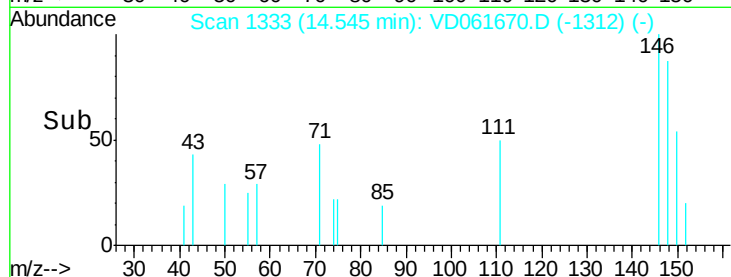
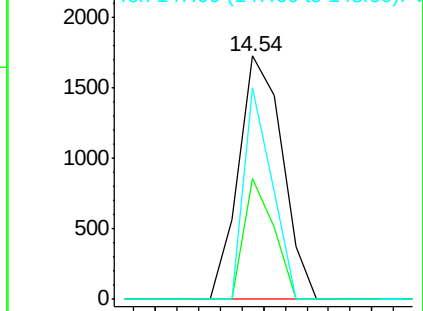
146 100

111 49.8 17.1 51.2

148 86.7 32.6 97.7



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



#89

n-Butylbenzene

Concen: 18.859 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.02 min

Lab File: VD061670.D

Acq: 9 Apr 2019 12:33

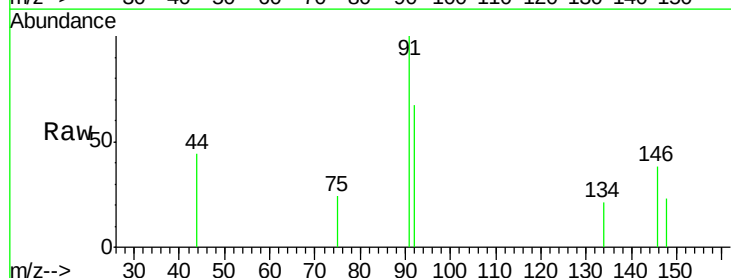
Tgt Ion: 91 Resp: 2071

Ion Ratio Lower Upper

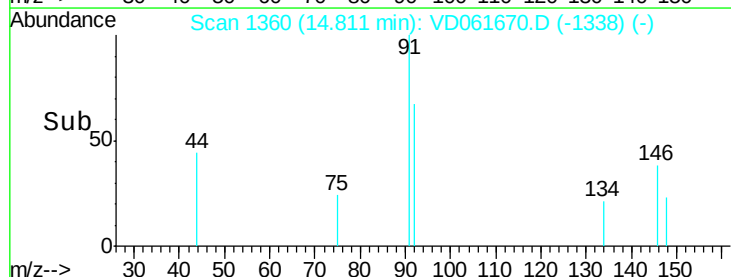
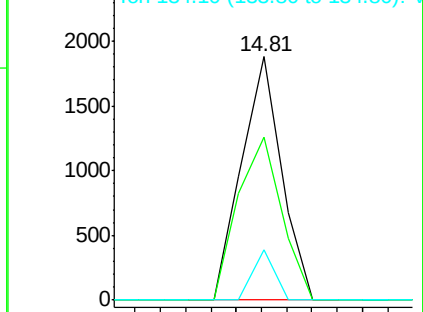
91 100

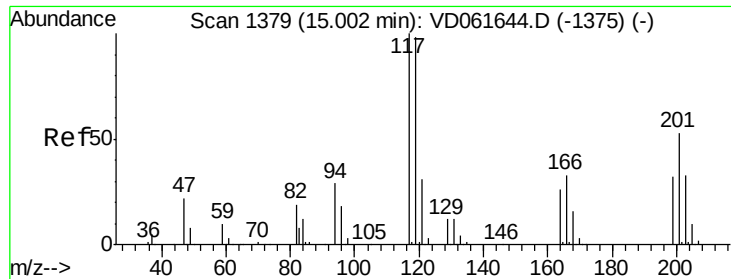
92 66.7 29.8 89.4

134 20.7 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V





#90

Hexachloroethane

Concen: 5.455 ug/l

RT: 15.02 min Scan# 1381

Delta R.T. 0.02 min

Lab File: VD061670.D

Acq: 9 Apr 2019 12:33

Instrument :

MSVOA_D

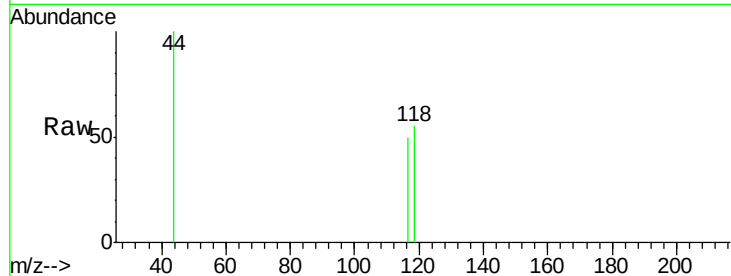
ClientSampleId :

Tot Ion:117 Resp: 187

Ion Ratio Lower Upper

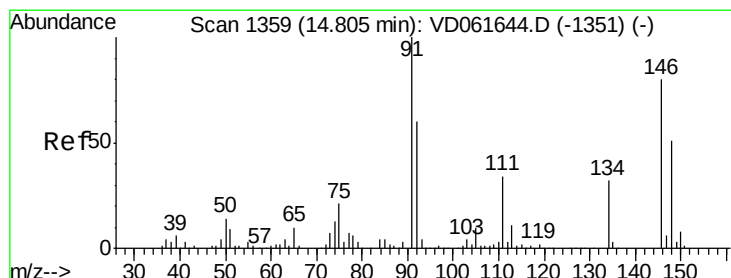
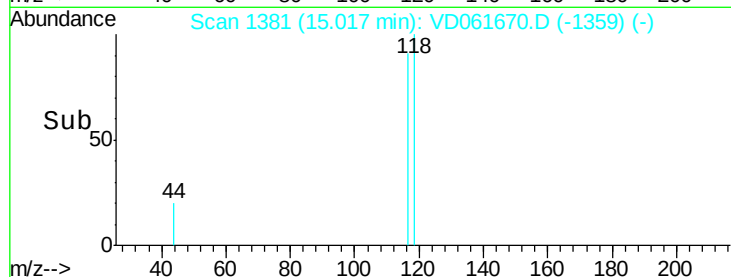
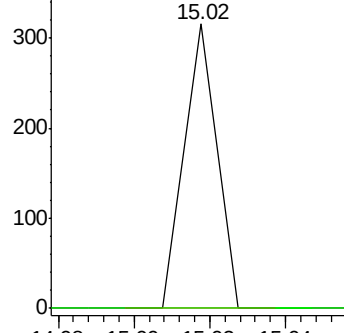
117 100

201 0.0 26.3 78.8#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#91

1,2-Dichlorobenzene

Concen: 27.365 ug/l

RT: 14.82 min Scan# 1361

Delta R.T. 0.02 min

Lab File: VD061670.D

Acq: 9 Apr 2019 12:33

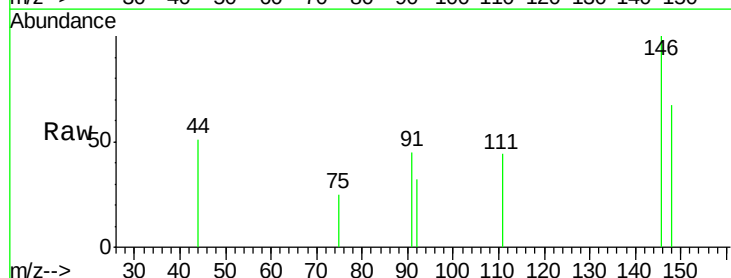
Tgt Ion:146 Resp: 1587

Ion Ratio Lower Upper

146 100

111 44.0 21.1 63.3

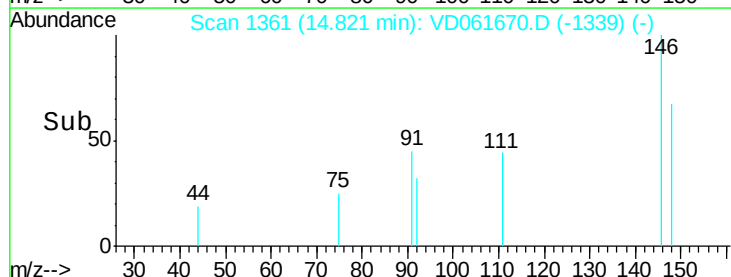
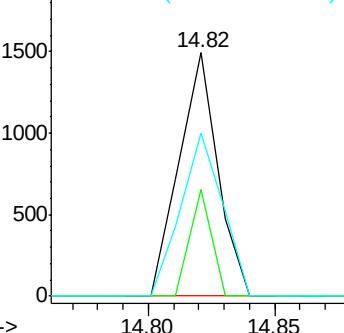
148 66.8 31.7 95.1

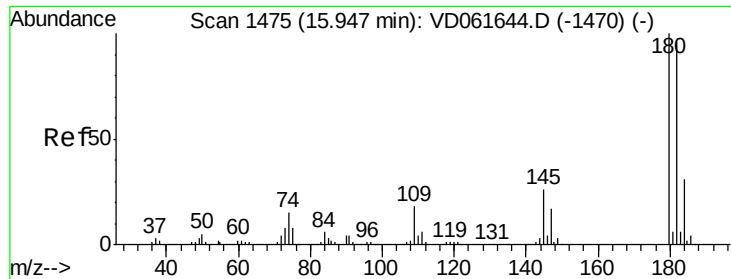


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

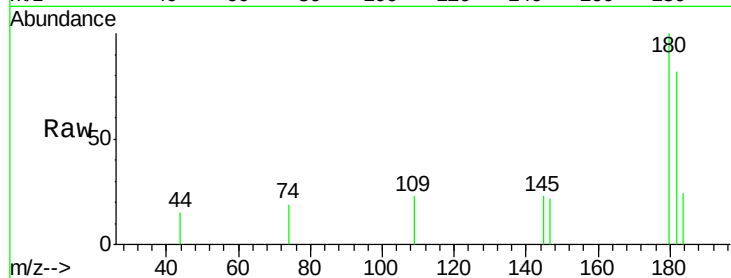




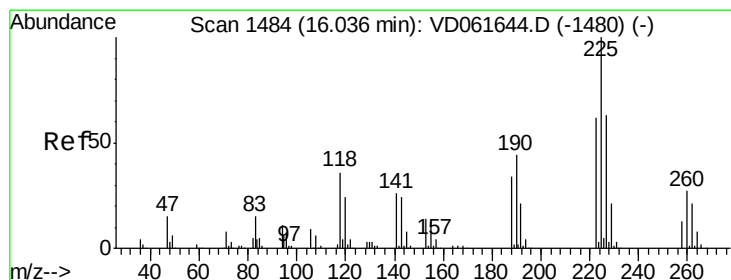
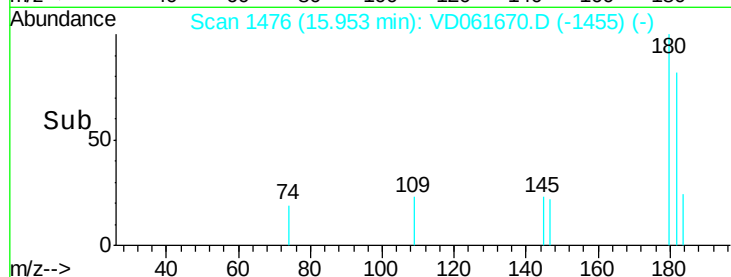
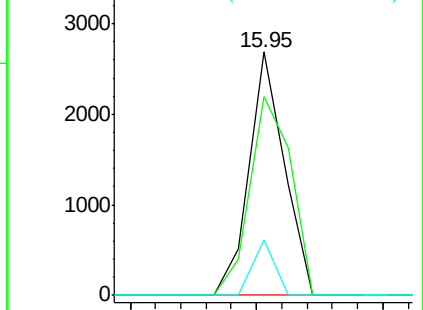
#93
 1,2,4-Trichlorobenzene
 Concen: 88.236 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061670.D
 Acq: 9 Apr 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 2607
 Ion Ratio Lower Upper
 180 100
 182 81.8 47.8 143.3
 145 22.9 13.3 39.8

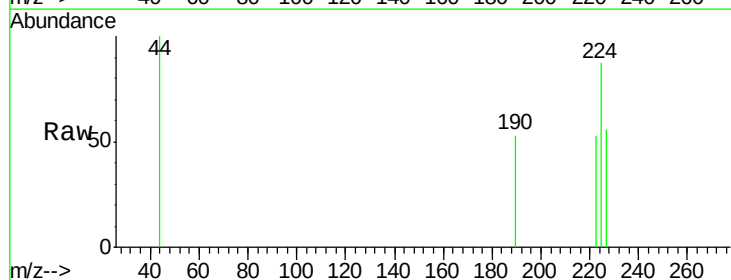


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

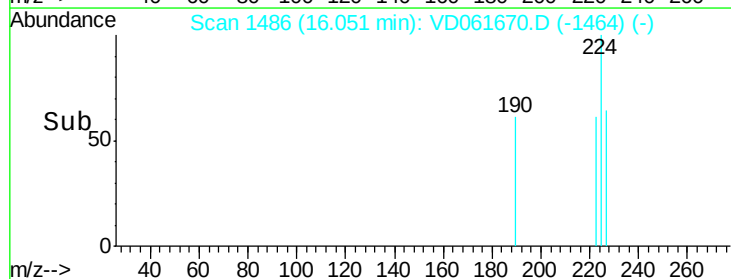
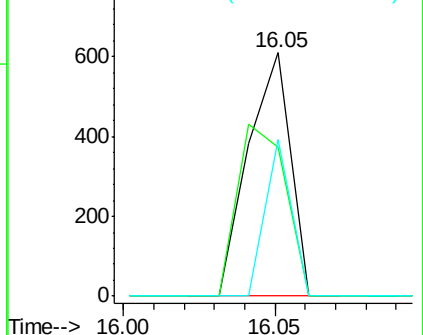


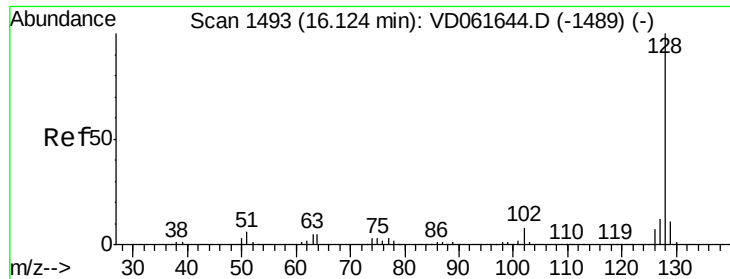
#94
 Hexachlorobutadiene
 Concen: 25.730 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD061670.D
 Acq: 9 Apr 2019 12:33

Tgt Ion:225 Resp: 587
 Ion Ratio Lower Upper
 225 100
 223 61.1 30.8 92.3
 227 64.4 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

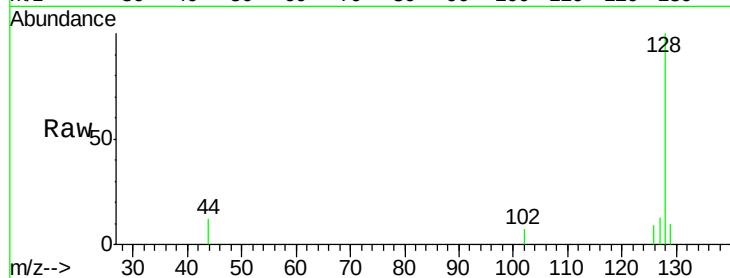




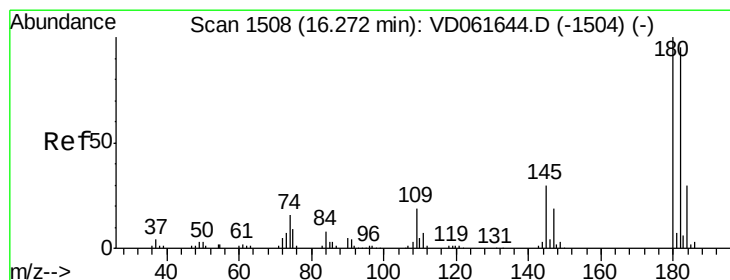
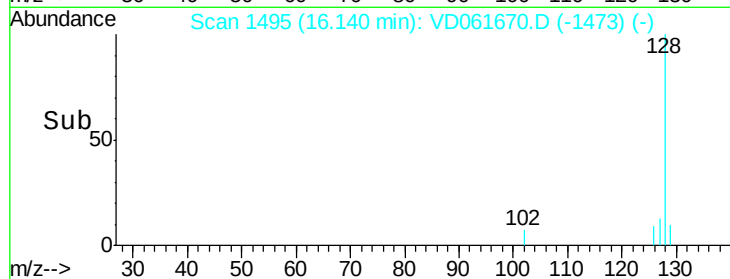
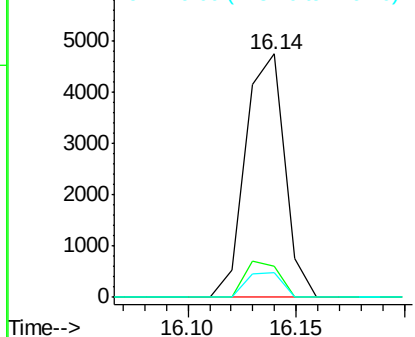
#95
Naphthalene
Concen: 128.663 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.02 min
Lab File: VD061670.D
Acq: 9 Apr 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 6015
Ion Ratio Lower Upper
128 100
127 13.0 9.4 14.2
129 10.3 8.8 13.2

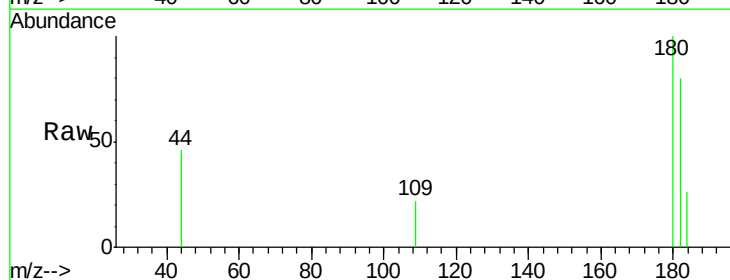


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 153.875 ug/l
RT: 16.29 min Scan# 1510
Delta R.T. 0.02 min
Lab File: VD061670.D
Acq: 9 Apr 2019 12:33

Tgt Ion:180 Resp: 2269
Ion Ratio Lower Upper
180 100
182 80.4 47.3 142.0
145 0.0 15.1 45.3#



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

