

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059404.D
 Acq On : 25 Jun 2018 17:40
 Operator : VA/AP
 Sample : J3663-12RE
 Misc : 10.86g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 26 06:47:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	589456	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.69	114	784582	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	482061	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.05	152	99179	50.00	ug/l	0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	64667	10.73	ug/l	-0.02
Spiked Amount			Recovery	=	21.46%	
35) Dibromofluoromethane	5.54	113	61603	9.64	ug/l	-0.02
Spiked Amount			Recovery	=	19.28%	
50) Toluene-d8	8.70	98	206253	13.81	ug/l	-0.01
Spiked Amount			Recovery	=	27.62%	
62) 4-Bromofluorobenzene	11.88	95	2608209	419.71	ug/l	-0.05
Spiked Amount			Recovery	=	839.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.78	94	359	Below Cal	#	57
11) Tert butyl alcohol	3.22	59	1435	6.881	ug/l #	72
13) Acrolein	2.33	56	235	1.261	ug/l #	16
16) Acetone	2.59	43	64463	84.732	ug/l	93
17) Carbon Disulfide	2.74	76	59672	10.031	ug/l	100
18) Methyl Acetate	2.92	43	2667	Below Cal	#	66
20) Methylene Chloride	3.05	84	24704	9.698	ug/l	98
25) 2-Butanone	4.82	43	26362	16.541	ug/l	92
29) Tetrahydrofuran	5.19	42	2220	2.547	ug/l #	46
31) Cyclohexane	5.69	56	258038	40.082	ug/l #	20
38) Carbon Tetrachloride	5.63	117	48551	6.616	ug/l #	15
39) Methylcyclohexane	7.28	83	435102	64.456	ug/l #	73
43) Isopropyl Acetate	7.64	43	294080	54.027	ug/l #	46
48) Methyl methacrylate	7.48	41	271248	81.794	ug/l #	41
51) 4-Methyl-2-Pentanone	8.66	43	630166	173.736	ug/l #	78
52) Toluene	8.79	92	11656	1.143	ug/l #	72
55) 1,1,2-Trichloroethane	9.37	97	1038188	280.334	ug/l #	20
56) Ethyl methacrylate	9.37	69	219182	51.866	ug/l #	1
59) 2-Hexanone	9.76	43	4485528	1739.973	ug/l #	34
60) Dibromochloromethane	9.93	129	11226	2.165	ug/l	83
65) Chlorobenzene	10.72	112	976280	110.757	ug/l	97
67) Ethyl Benzene	10.89	91	24981	1.680	ug/l #	56
69) o-Xylene	11.41	106	5434	1.114	ug/l #	1
73) Isopropylbenzene	11.80	105	1581818	282.627	ug/l	93
74) N-amyl acetate	11.57	43	5924768	2782.364	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.12	83	1179114	897.996	ug/l #	62
76) 1,2,3-Trichloropropane	12.11	75	2231	1.631	ug/l #	1
77) Bromobenzene	11.98	156	3023	1.716	ug/l #	1
78) n-propylbenzene	12.18	91	2955162	416.898	ug/l	99
79) 2-Chlorotoluene	12.18	91	2995102	719.496	ug/l #	46
80) 1,3,5-Trimethylbenzene	12.29	105	28774	6.458	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.86	75	3304	10.626	ug/l #	1
82) 4-Chlorotoluene	12.29	91	197802	41.904	ug/l #	58
83) tert-Butylbenzene	12.60	119	1791378	377.968	ug/l	77

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QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration

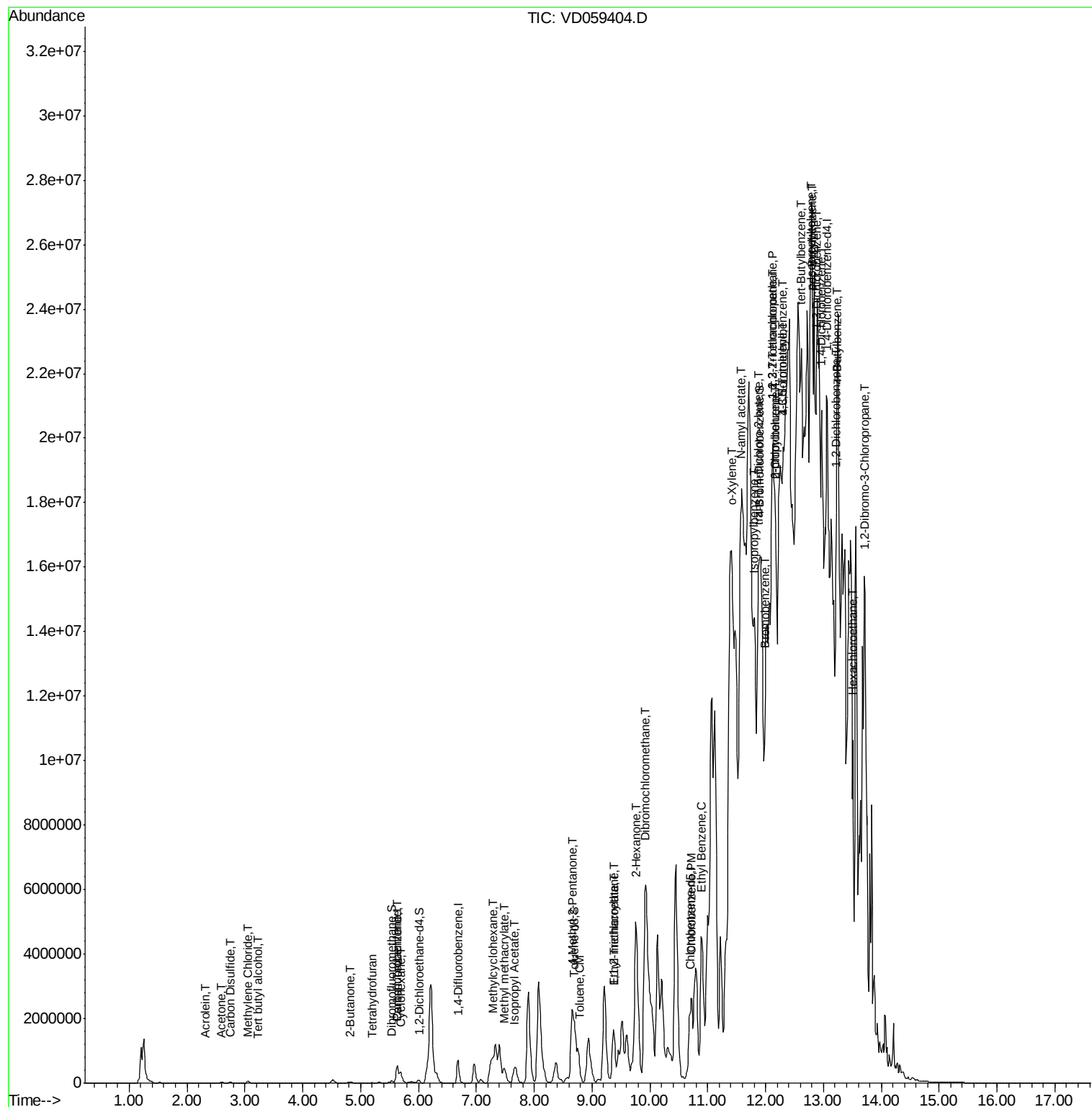
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	12.80	105	3678433	632.491	ug/l #	74
86) p-Isopropyltoluene	12.78	119	102041	21.768	ug/l #	1
87) 1,3-Dichlorobenzene	12.87	146	46817	16.155	ug/l #	1
88) 1,4-Dichlorobenzene	12.96	146	31668	11.074	ug/l #	1
89) n-Butylbenzene	13.22	91	1670187	360.956	ug/l	95
90) Hexachloroethane	13.51	117	1069818	914.753	ug/l #	9
91) 1,2-Dichlorobenzene	13.21	146	11418	4.647	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.73	75	46786	216.089	ug/l #	19

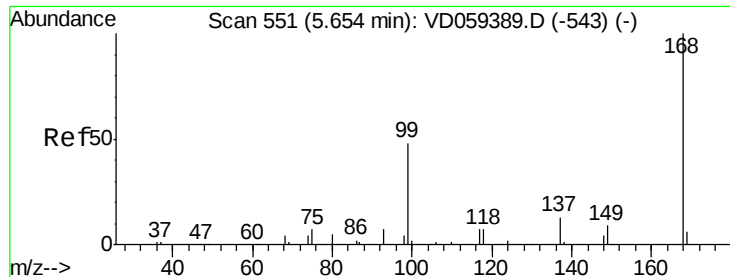
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062518\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

Instrument :

MSVOA_D

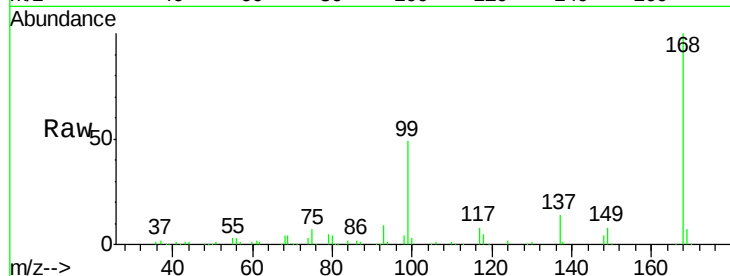
ClientSampled :

Tot Ion:168 Resp: 589456

Ion Ratio Lower Upper

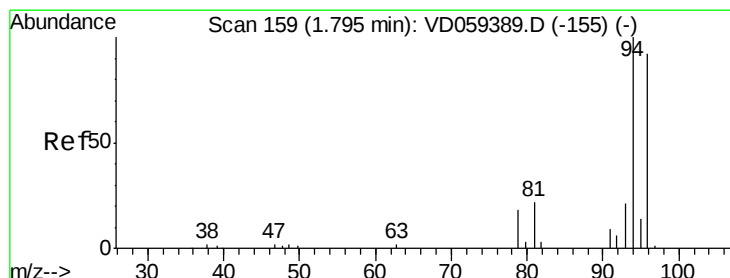
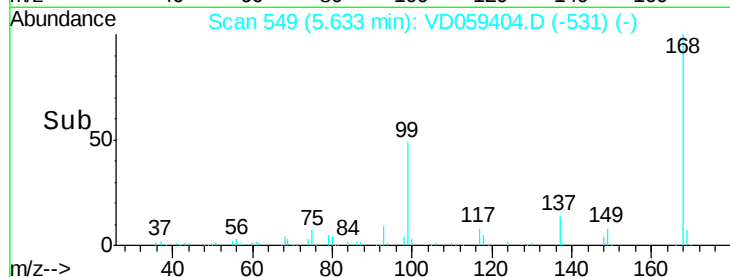
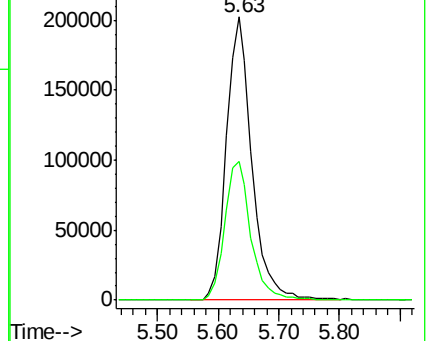
168 100

99 49.1 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: Below Cal

RT: 1.78 min Scan# 158

Delta R.T. -0.01 min

Lab File: VD059404.D

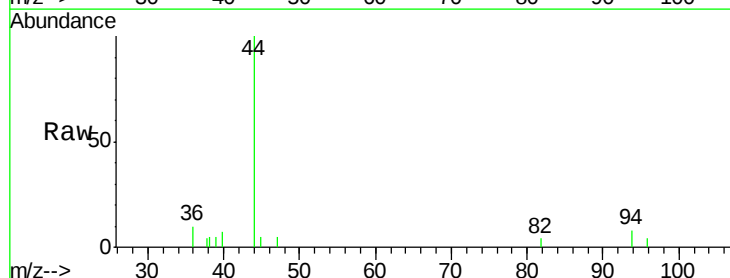
Acq: 25 Jun 2018 17:40

Tgt Ion: 94 Resp: 359

Ion Ratio Lower Upper

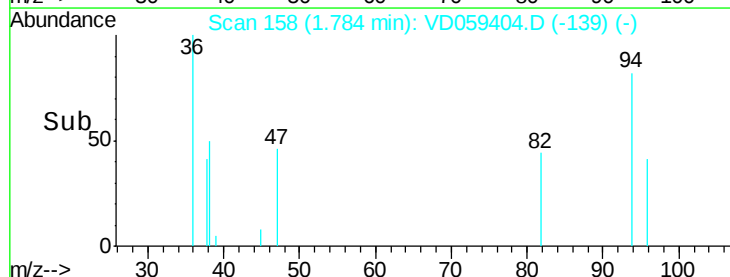
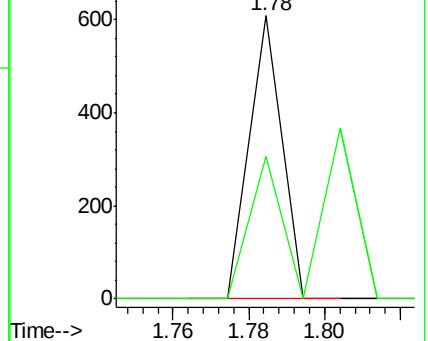
94 100

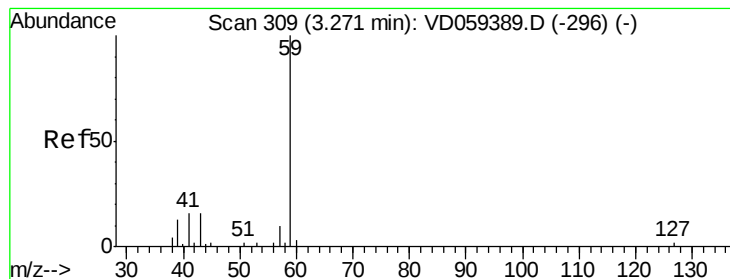
96 50.3 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



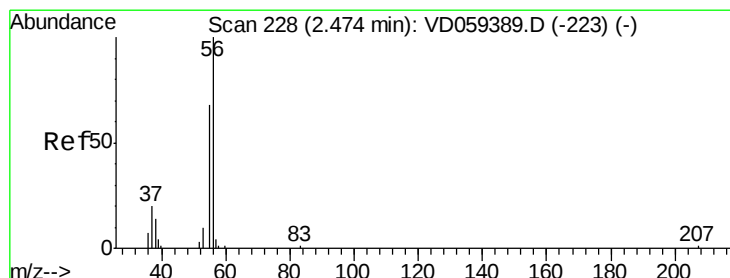
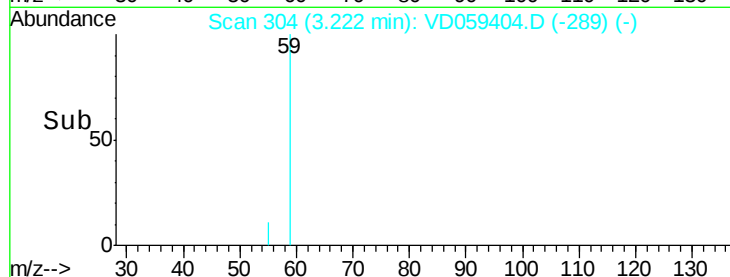
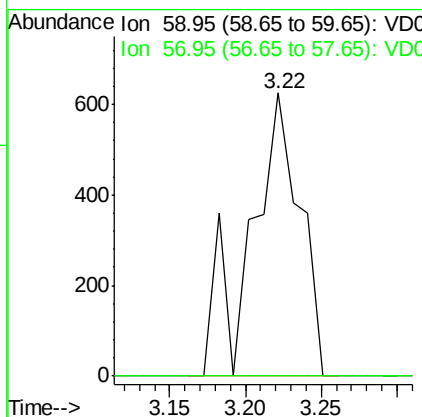
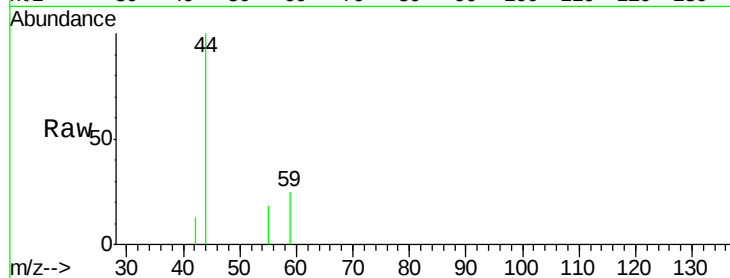


#11

Tert butyl alcohol
 Concen: 6.881 ug/l
 RT: 3.22 min Scan# 304
 Delta R.T. -0.05 min
 Lab File: VD059404.D
 Acq: 25 Jun 2018 17:40

Instrument :
 MSVOA_D
 ClientSampleId :

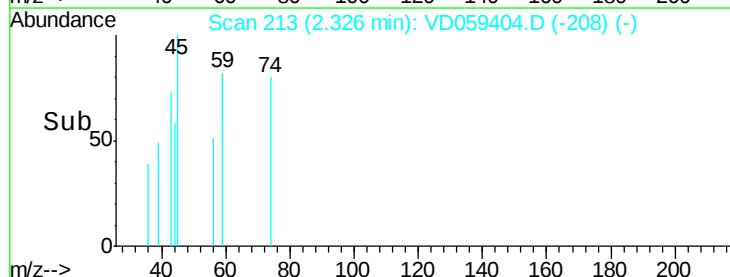
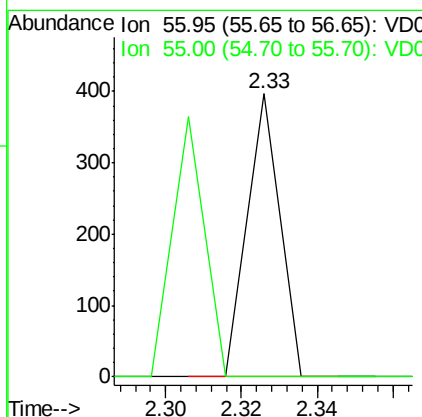
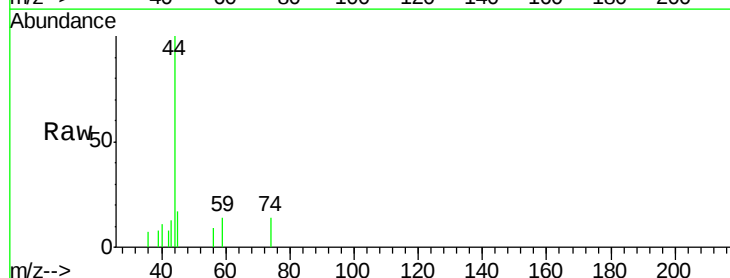
Tot Ion: 59 Resp: 1435
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

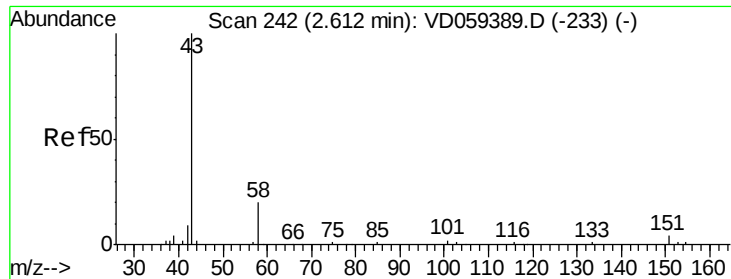


#13

Acrolein
 Concen: 1.261 ug/l
 RT: 2.33 min Scan# 213
 Delta R.T. -0.15 min
 Lab File: VD059404.D
 Acq: 25 Jun 2018 17:40

Tgt Ion: 56 Resp: 235
 Ion Ratio Lower Upper
 56 100
 55 0.0 54.6 82.0#





#16

Acetone

Concen: 84.732 ug/l

RT: 2.59 min Scan# 240

Delta R.T. -0.02 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

Instrument :

MSVOA_D

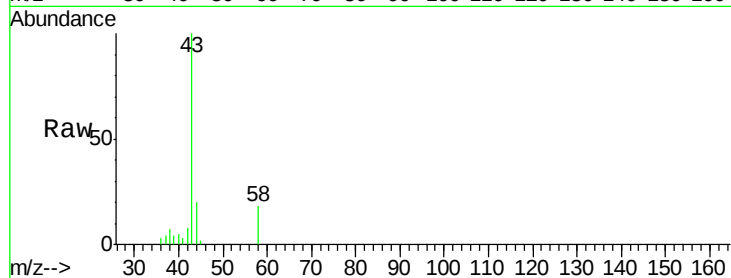
ClientSampleId :

Tot Ion: 43 Resp: 64463

Ion Ratio Lower Upper

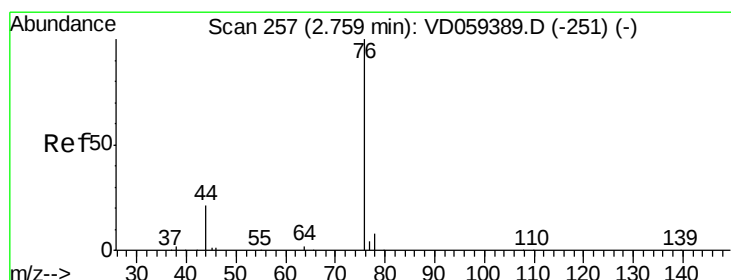
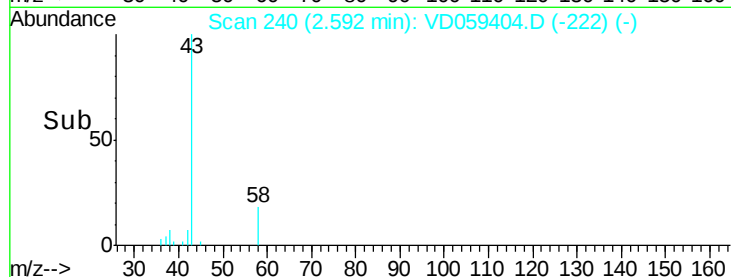
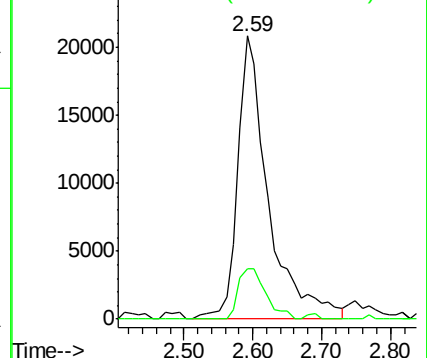
43 100

58 17.7 16.8 25.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 10.031 ug/l

RT: 2.74 min Scan# 255

Delta R.T. -0.02 min

Lab File: VD059404.D

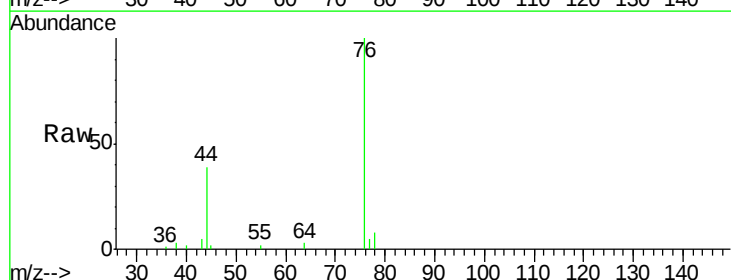
Acq: 25 Jun 2018 17:40

Tgt Ion: 76 Resp: 59672

Ion Ratio Lower Upper

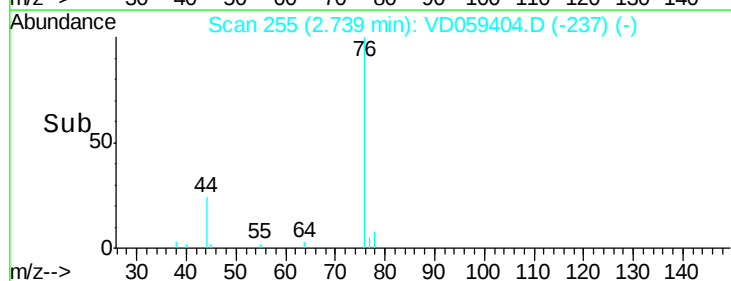
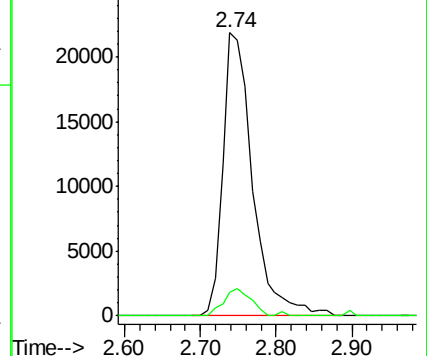
76 100

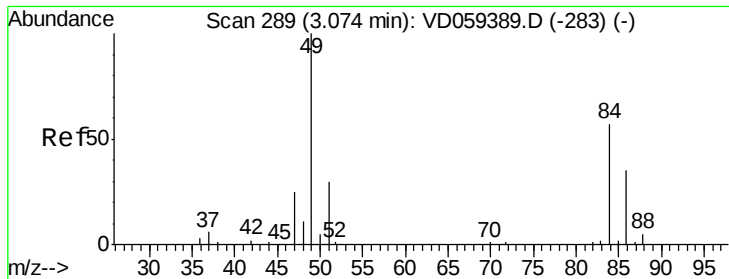
78 8.2 6.6 9.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC





#20

Methvlene Chloride

Concen: 9.698 ug/l

RT: 3.05 min Scan# 287

Delta R.T. -0.02 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 24704

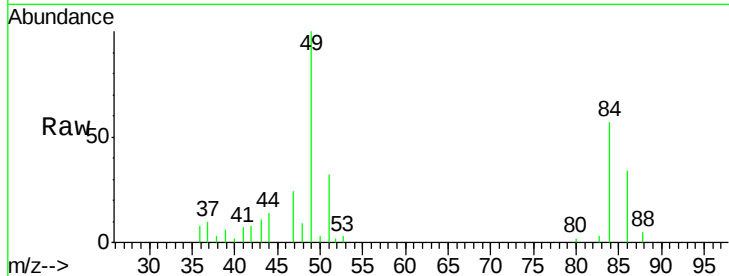
Ion Ratio Lower Upper

84 100

49 174.9 140.3 210.5

51 55.5 41.6 62.4

86 58.8 49.4 74.2

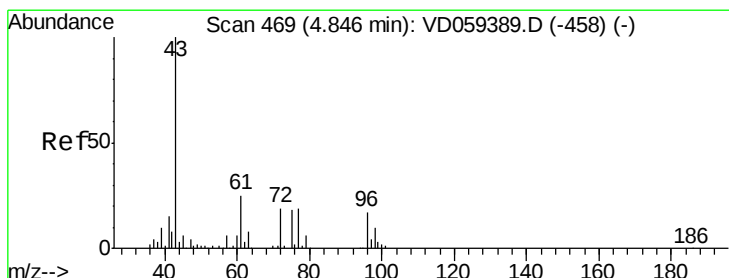
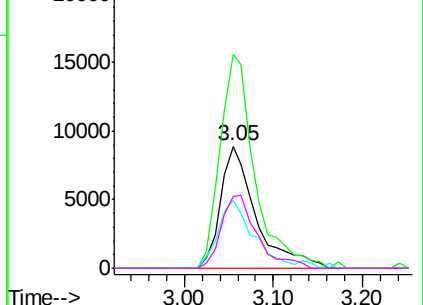
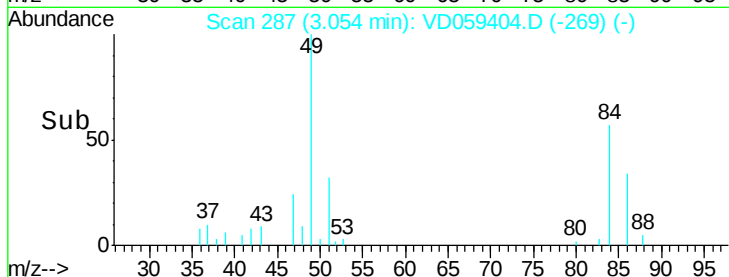


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#25

2-Butanone

Concen: 16.541 ug/l

RT: 4.82 min Scan# 466

Delta R.T. -0.03 min

Lab File: VD059404.D

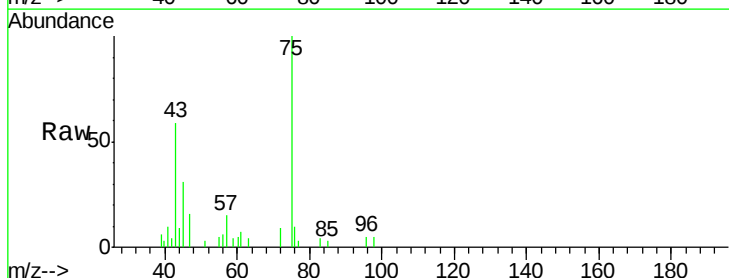
Acq: 25 Jun 2018 17:40

Tgt Ion: 43 Resp: 26362

Ion Ratio Lower Upper

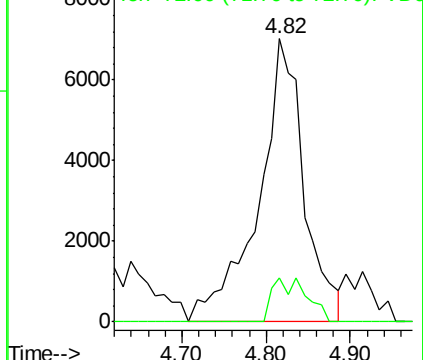
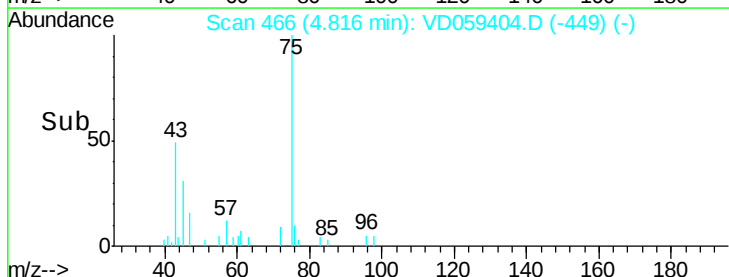
43 100

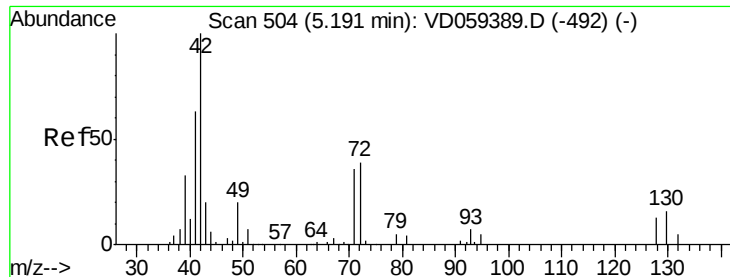
72 15.5 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 2.547 ug/l

RT: 5.19 min Scan# 504

Delta R.T. -0.00 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

Instrument :
MSVOA_D
ClientSampleId :

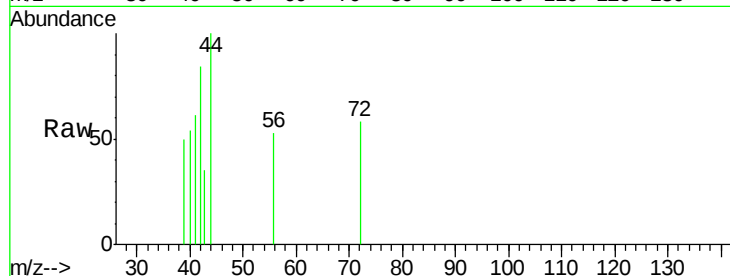
Tot Ion: 42 Resp: 2220

Ion Ratio Lower Upper

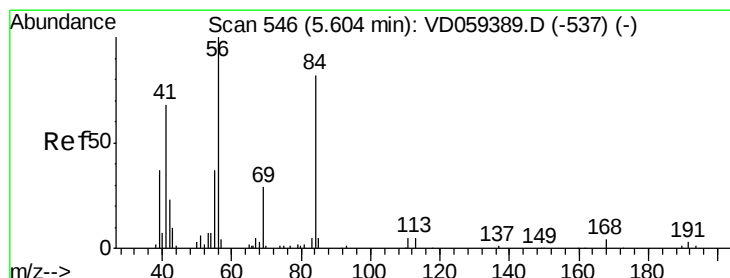
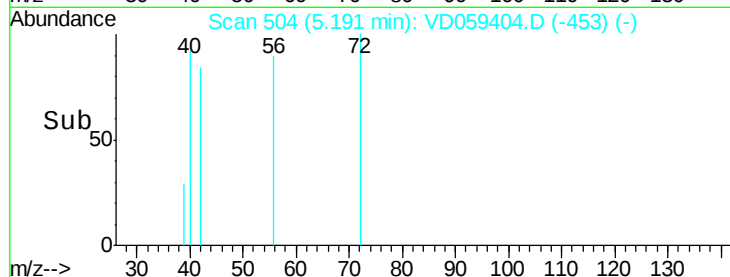
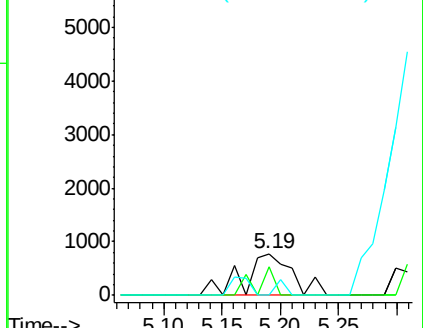
42 100

72 10.6 31.4 47.2#

71 0.0 29.7 44.5#



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



#31

Cyclohexane

Concen: 40.082 ug/l

RT: 5.69 min Scan# 555

Delta R.T. 0.09 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

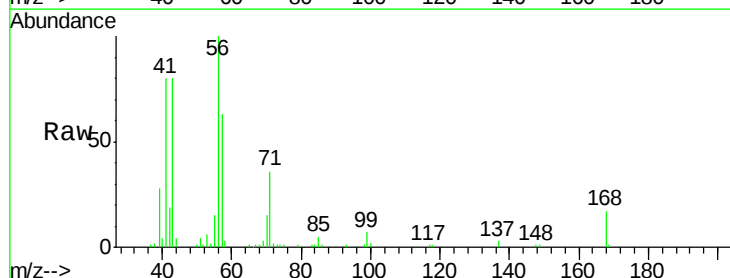
Tgt Ion: 56 Resp: 258038

Ion Ratio Lower Upper

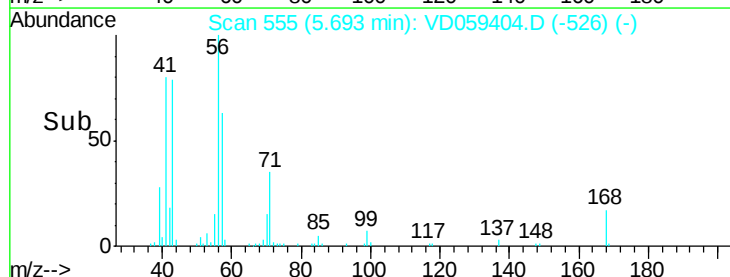
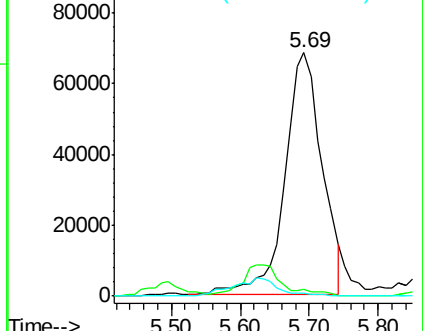
56 100

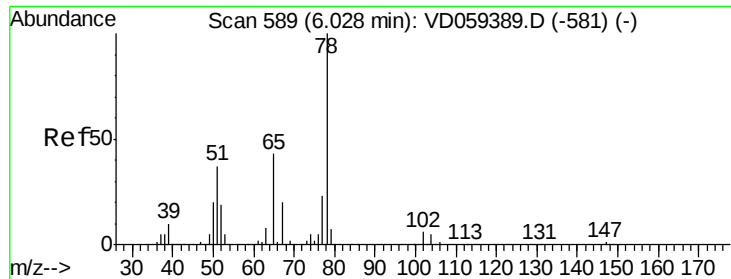
69 3.0 22.9 34.3#

84 1.2 67.3 100.9#



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





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.01 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

Instrument :

MSVOA_D

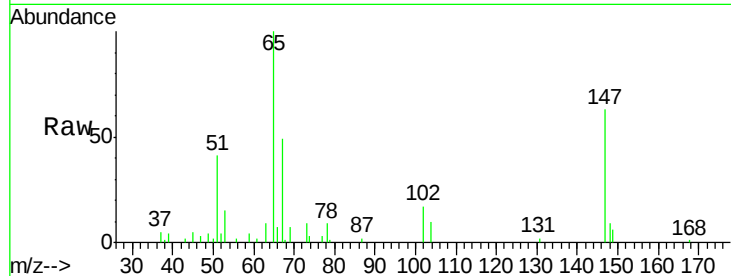
ClientSampleId :

Tot Ion: 65 Resp: 64667

Ion Ratio Lower Upper

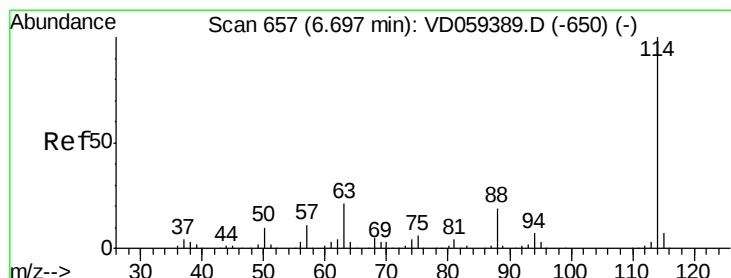
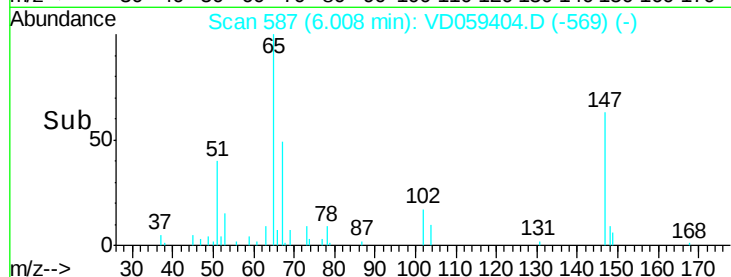
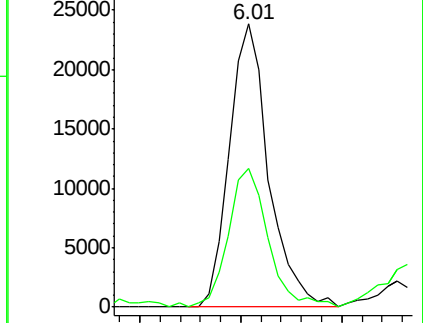
65 100

67 49.0 0.0 93.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.69 min Scan# 656

Delta R.T. -0.01 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

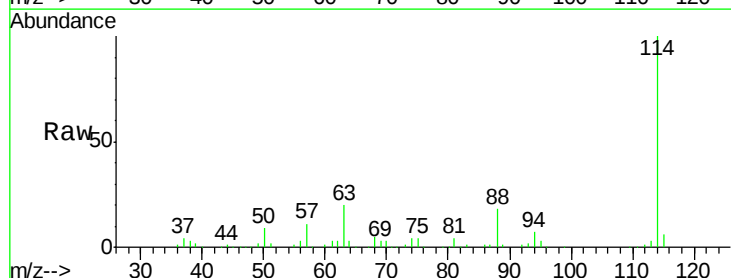
Tgt Ion: 114 Resp: 784582

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

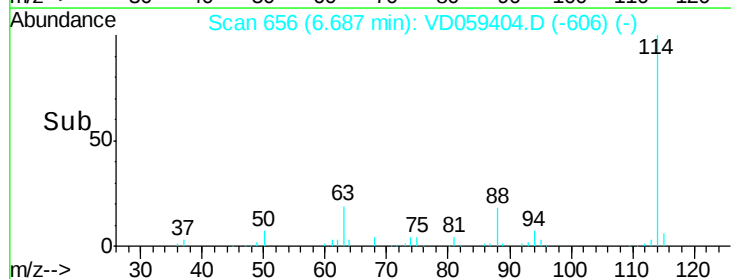
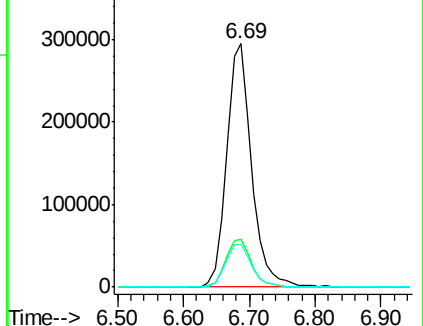
88 17.6 0.0 38.0

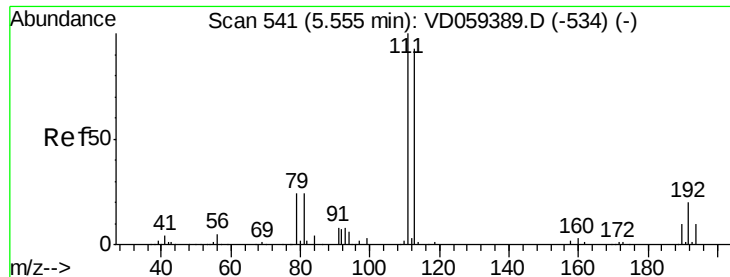


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 539

Delta R.T. -0.02 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

Instrument :

MSVOA_D

ClientSampled :

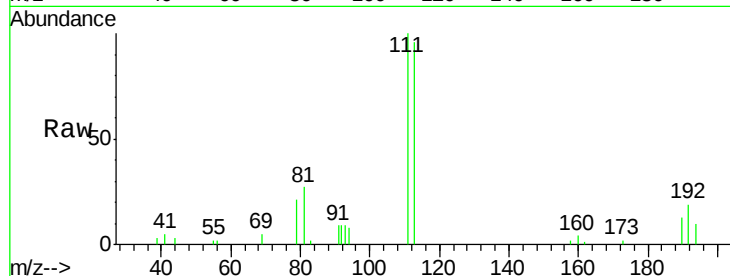
Tot Ion:113 Resp: 61603

Ion Ratio Lower Upper

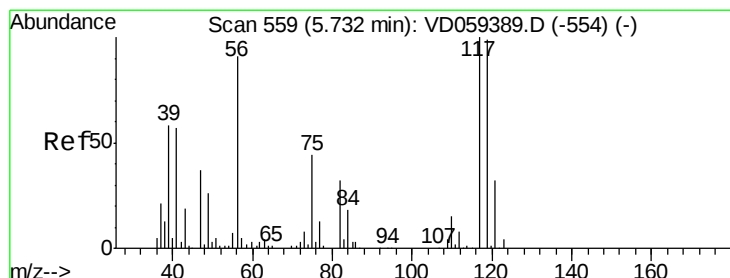
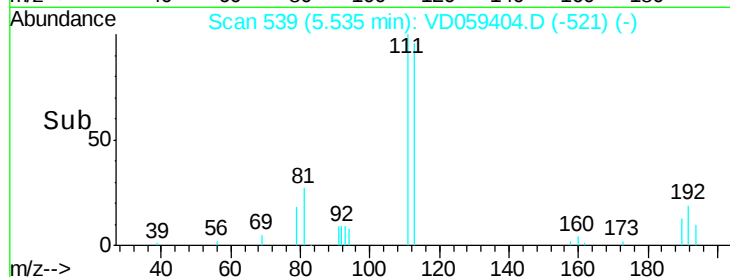
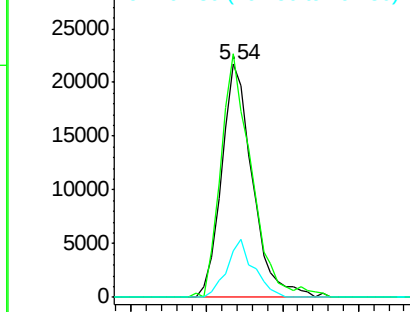
113 100

111 104.5 85.7 128.5

192 20.2 16.9 25.3



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



#38

Carbon Tetrachloride

Concen: 6.616 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.10 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

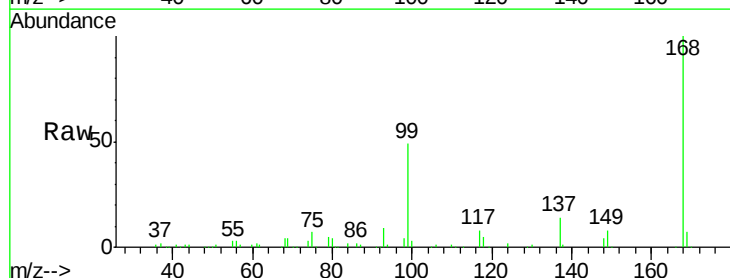
Tgt Ion:117 Resp: 48551

Ion Ratio Lower Upper

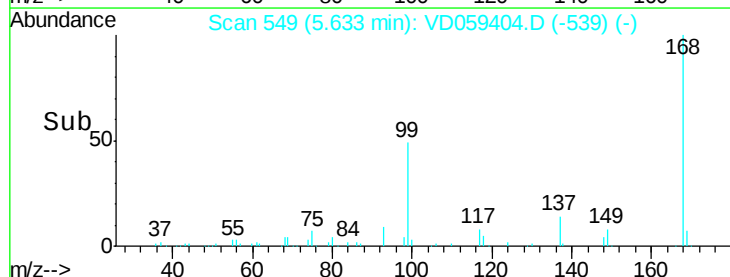
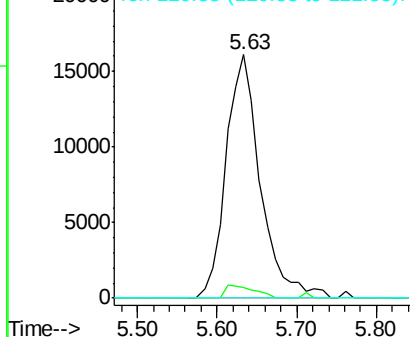
117 100

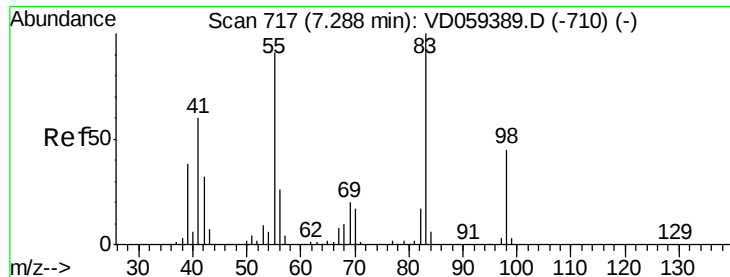
119 4.2 76.6 115.0#

121 0.0 25.0 37.4#



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

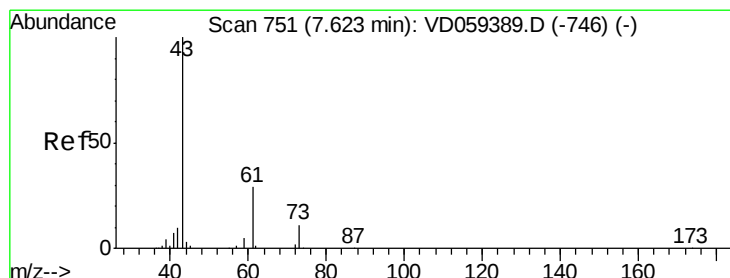
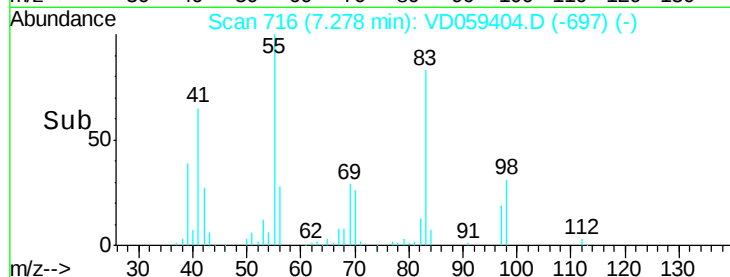
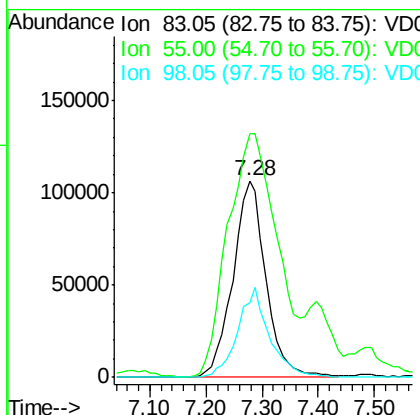
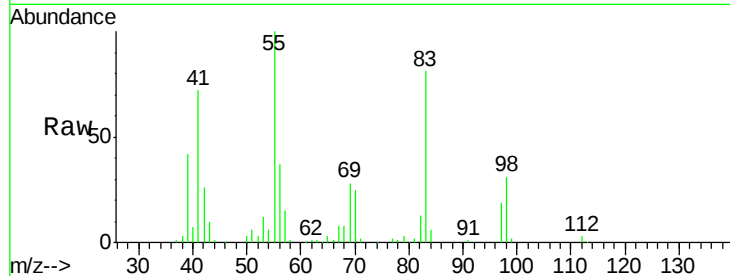




#39
Methylcyclohexane
Concen: 64.456 ug/l
RT: 7.28 min Scan# 716
Delta R.T. -0.01 min
Lab File: VD059404.D
Acq: 25 Jun 2018 17:40

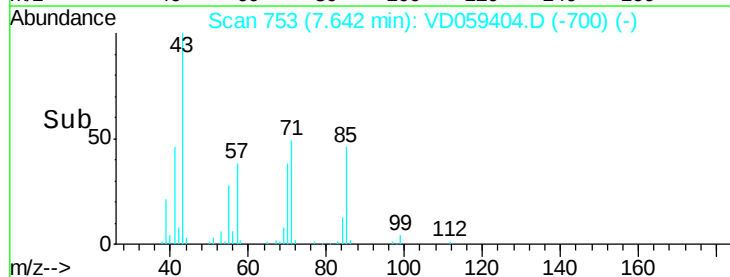
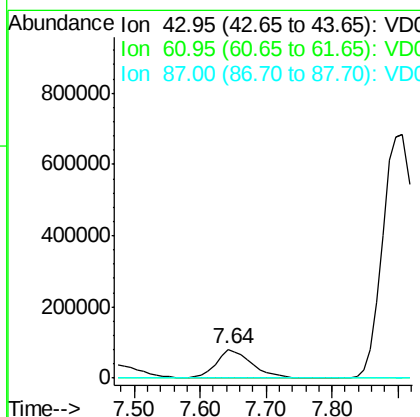
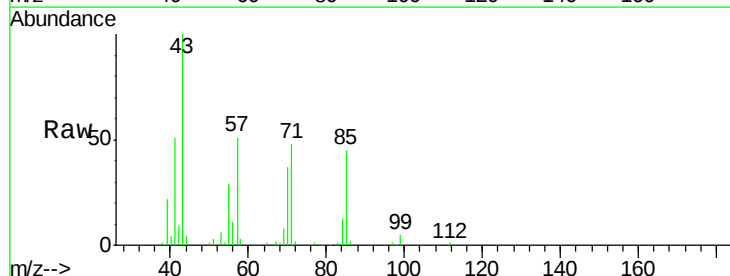
Instrument :
MSVOA_D
ClientSampled :

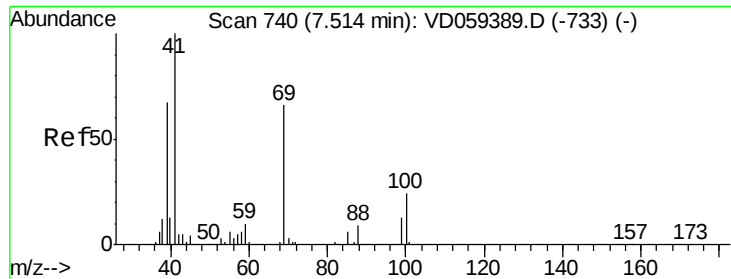
Tot Ion: 83 Resp: 435102
Ion Ratio Lower Upper
83 100
55 124.0 72.6 109.0#
98 38.0 35.8 53.6



#43
Isopropyl Acetate
Concen: 54.027 ug/l
RT: 7.64 min Scan# 753
Delta R.T. 0.02 min
Lab File: VD059404.D
Acq: 25 Jun 2018 17:40

Tgt Ion: 43 Resp: 294080
Ion Ratio Lower Upper
43 100
61 0.0 23.1 34.7#
87 0.0 0.2 0.4#

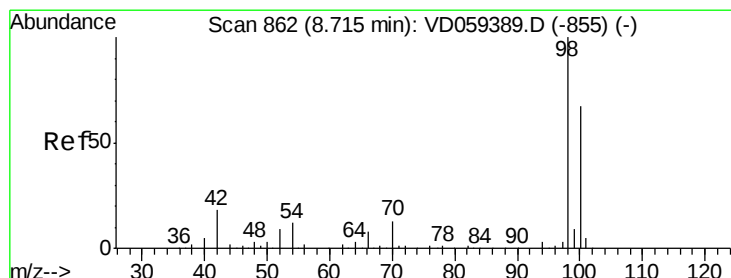
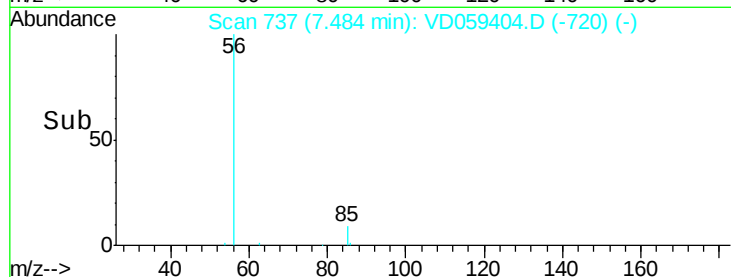
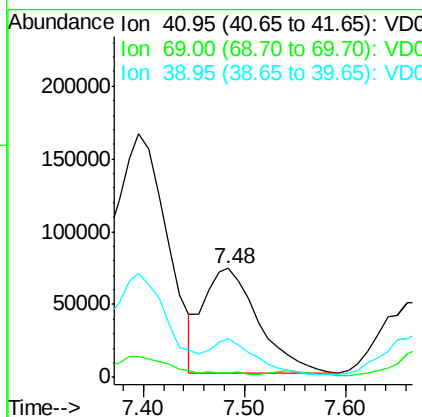
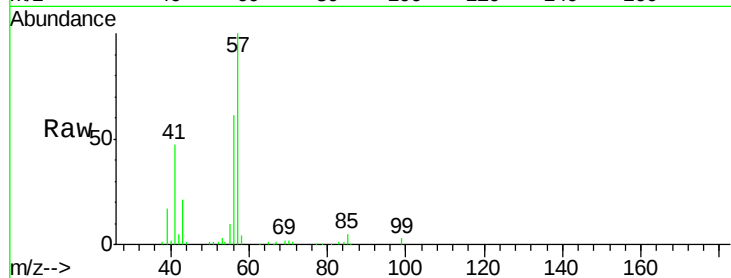




#48
Methvl methacrylate
Concen: 81.794 ug/l
RT: 7.48 min Scan# 737
Delta R.T. -0.03 min
Lab File: VD059404.D
Acq: 25 Jun 2018 17:40

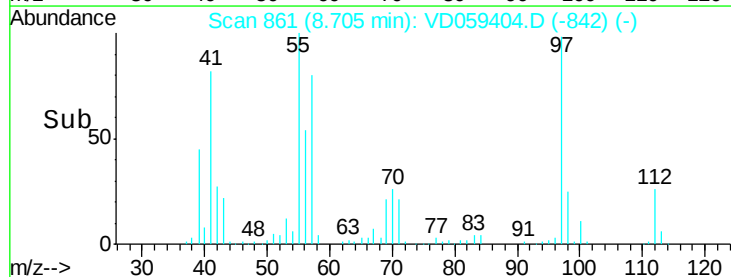
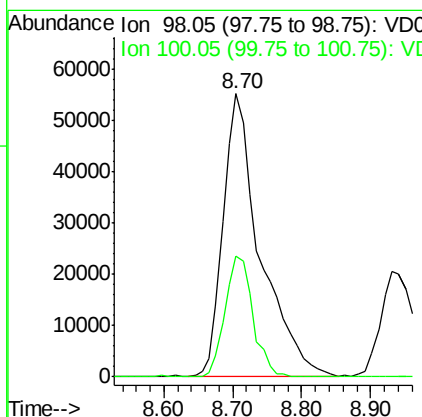
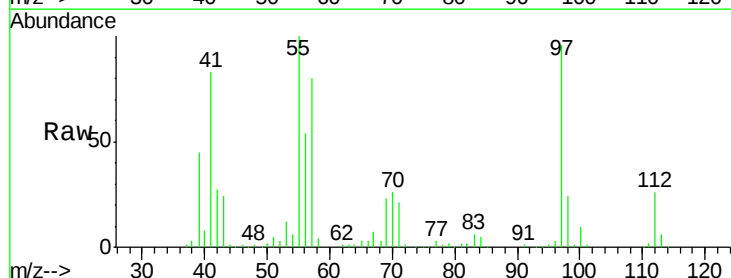
Instrument :
MSVOA_D
ClientSampleId :

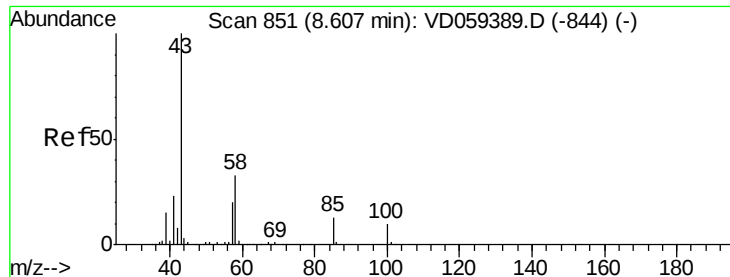
Tot Ion: 41 Resp: 271248
Ion Ratio Lower Upper
41 100
69 3.3 52.6 79.0#
39 35.4 53.6 80.4#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD059404.D
Acq: 25 Jun 2018 17:40

Tgt Ion: 98 Resp: 206253
Ion Ratio Lower Upper
98 100
100 42.7 54.4 81.6#





#51

4-Methyl-2-Pentanone

Concen: 173.736 ug/l

RT: 8.66 min Scan# 856

Delta R.T. 0.05 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

Instrument :

MSVOA_D

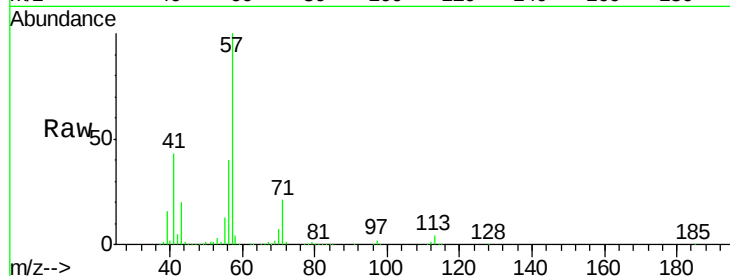
ClientSampleId :

Tot Ion: 43 Resp: 630166

Ion Ratio Lower Upper

43 100

58 20.3 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.66

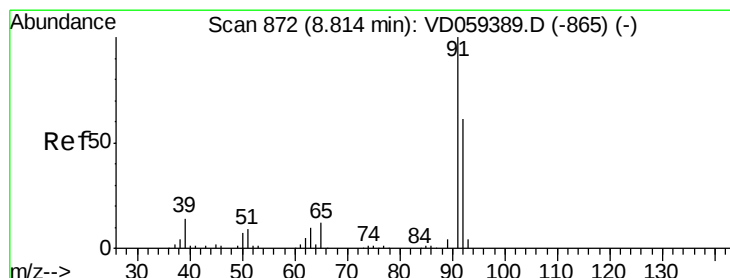
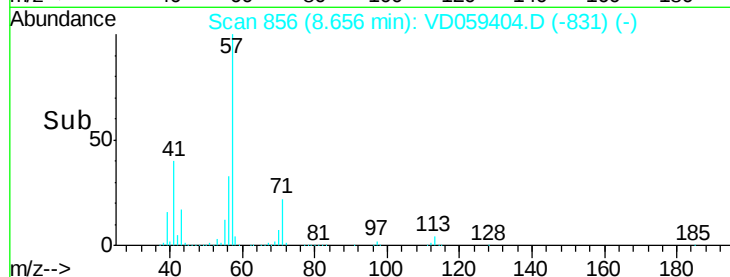
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 1.143 ug/l

RT: 8.79 min Scan# 870

Delta R.T. -0.02 min

Lab File: VD059404.D

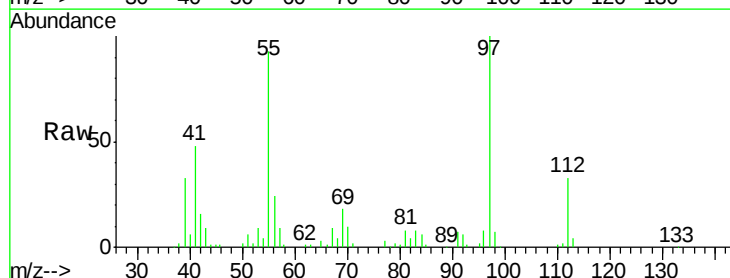
Acq: 25 Jun 2018 17:40

Tgt Ion: 92 Resp: 11656

Ion Ratio Lower Upper

92 100

91 127.2 132.2 198.2#



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.79

8000

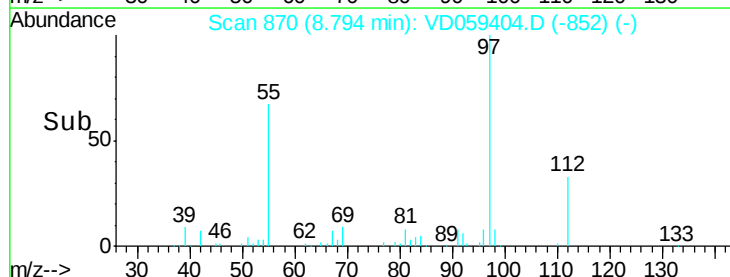
6000

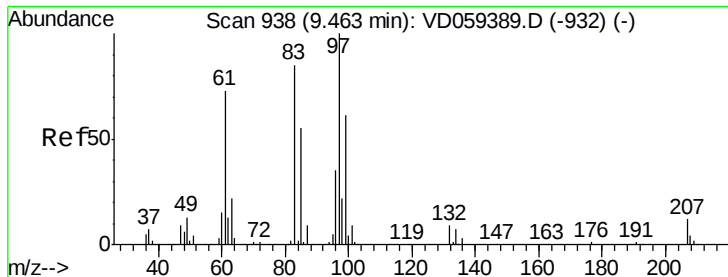
4000

2000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 280.334 ug/l

RT: 9.37 min Scan# 929

Delta R.T. -0.09 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 97 Resp: 1038188

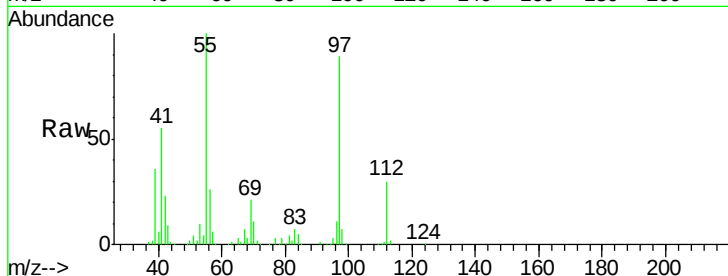
Ion Ratio Lower Upper

97 100

83 7.9 67.7 101.5#

85 0.3 44.3 66.5#

99 0.5 48.6 73.0#

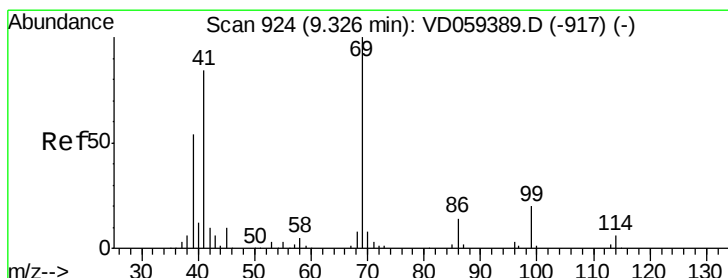
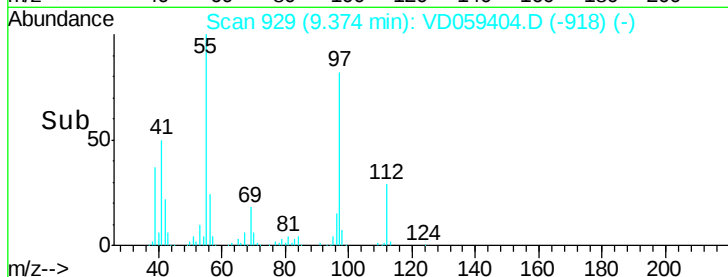
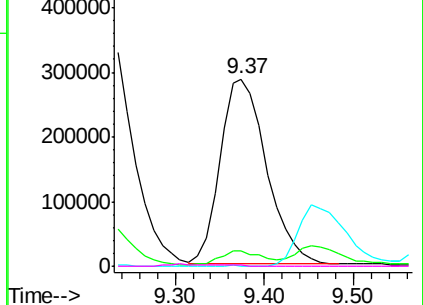


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 51.866 ug/l

RT: 9.37 min Scan# 929

Delta R.T. 0.05 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

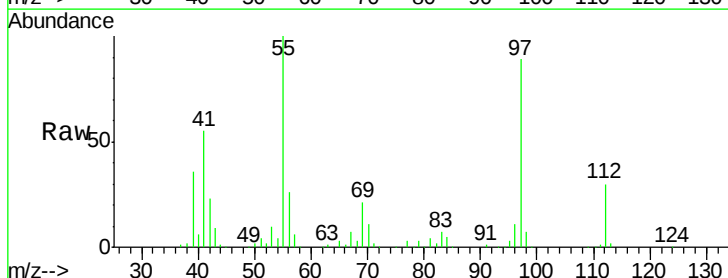
Tgt Ion: 69 Resp: 219182

Ion Ratio Lower Upper

69 100

41 257.5 67.4 101.0#

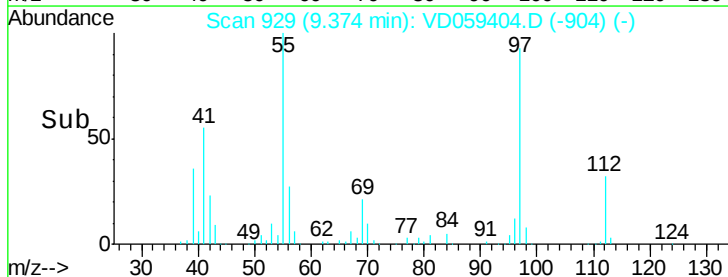
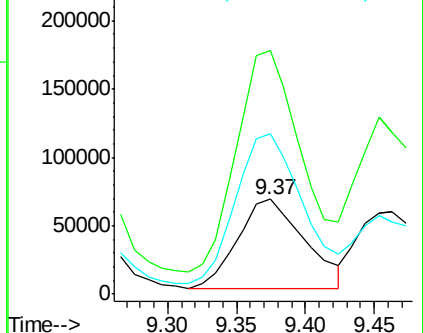
39 169.6 43.7 65.5#

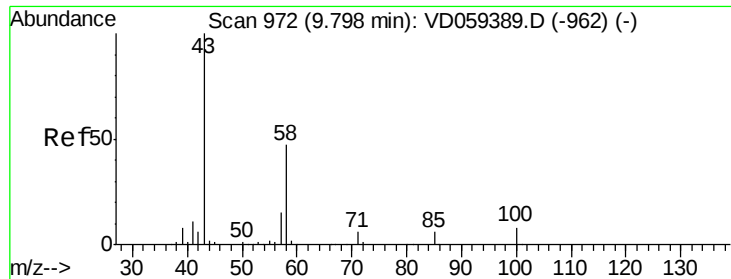


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

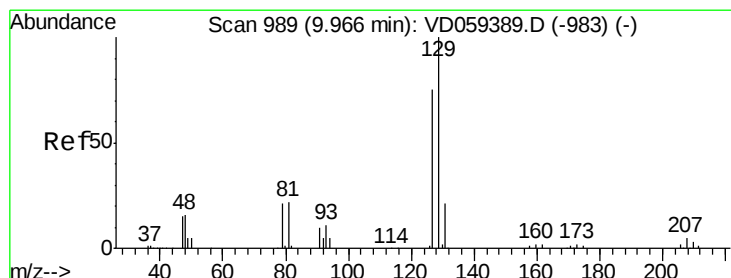
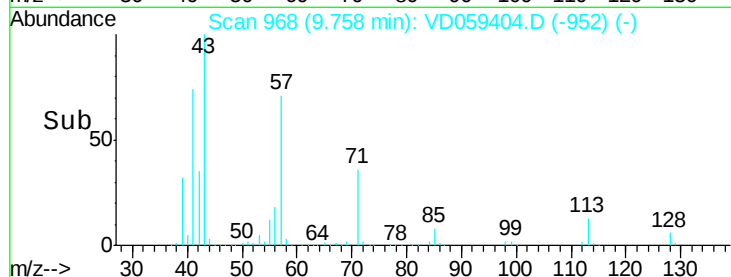
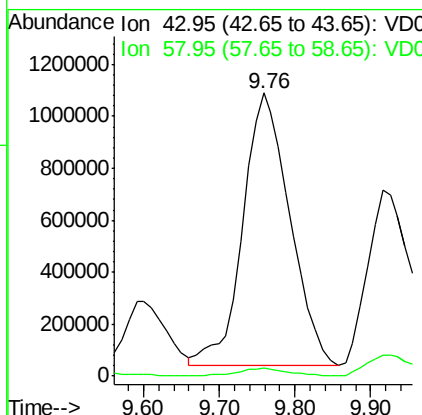
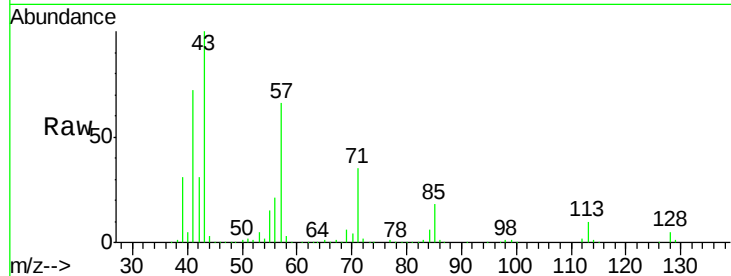




#59
2-Hexanone
Concen: 1739.973 ug/l
RT: 9.76 min Scan# 968
Delta R.T. -0.04 min
Lab File: VD059404.D
Acq: 25 Jun 2018 17:40

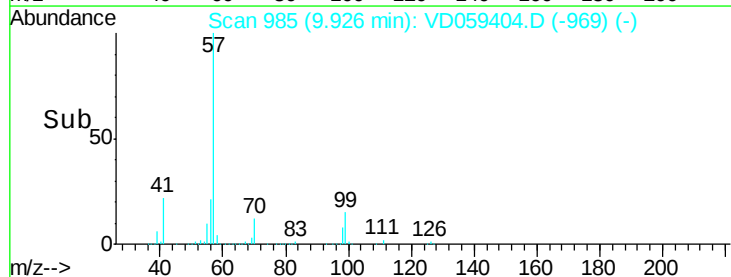
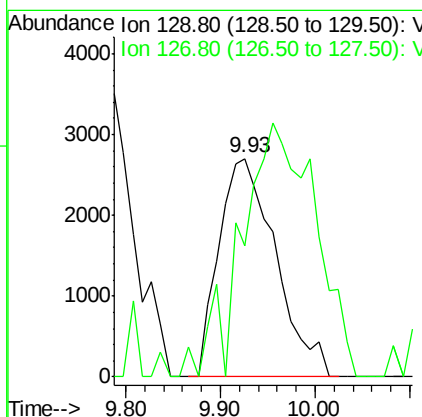
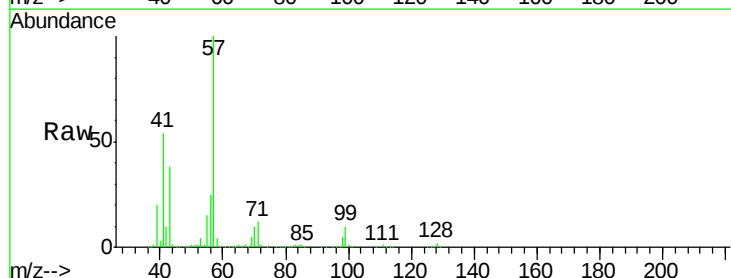
Instrument :
MSVOA_D
ClientSampleId :

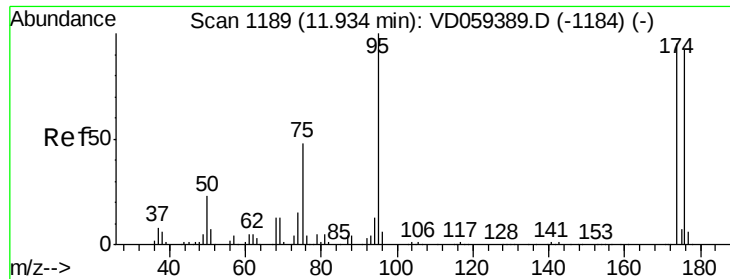
Tot Ion: 43 Resp: 4485528
Ion Ratio Lower Upper
43 100
58 2.9 23.3 69.9#



#60
Dibromochloromethane
Concen: 2.165 ug/l
RT: 9.93 min Scan# 985
Delta R.T. -0.04 min
Lab File: VD059404.D
Acq: 25 Jun 2018 17:40

Tgt Ion: 129 Resp: 11226
Ion Ratio Lower Upper
129 100
127 60.2 37.3 111.8





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 11.88 min Scan# 1184

Delta R.T. -0.05 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

Instrument :

MSVOA_D

ClientSampleId :

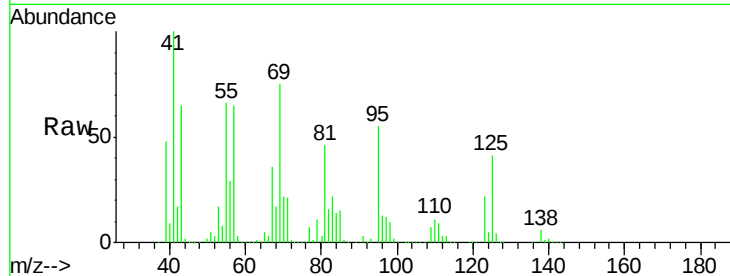
Tot Ion: 95 Resp: 2608209

Ion Ratio Lower Upper

95 100

174 0.0 0.0 190.4

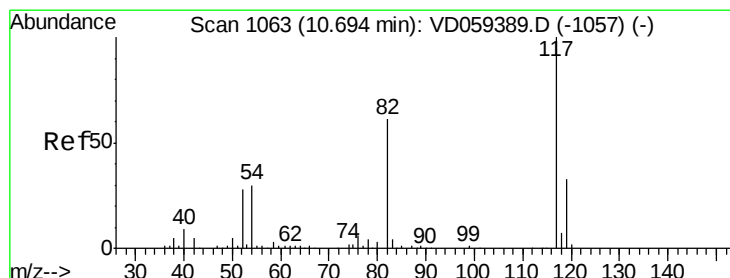
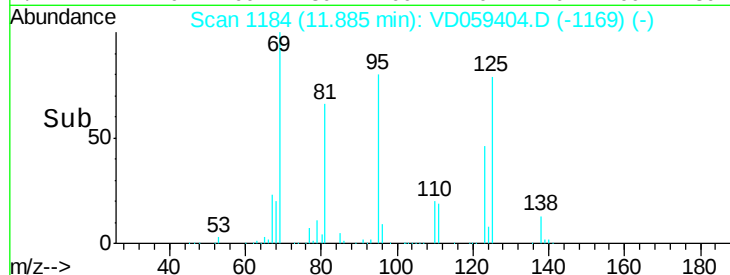
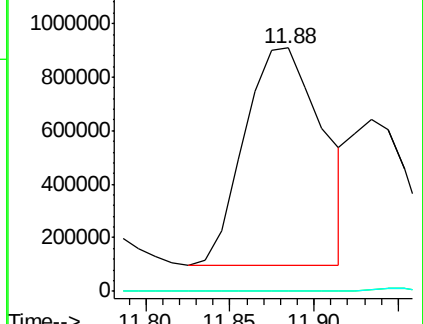
176 0.0 0.0 183.2



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: 10.68 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

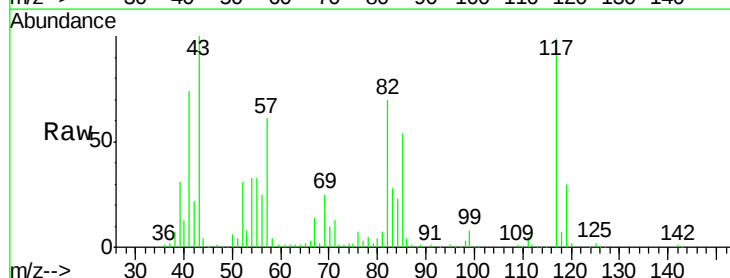
Tgt Ion: 117 Resp: 482061

Ion Ratio Lower Upper

117 100

82 71.3 49.0 73.6

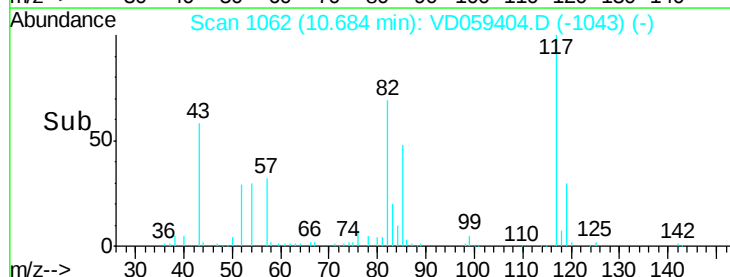
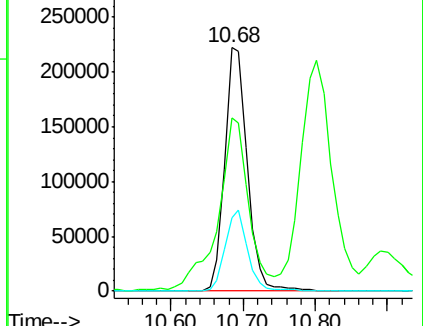
119 29.9 26.2 39.4

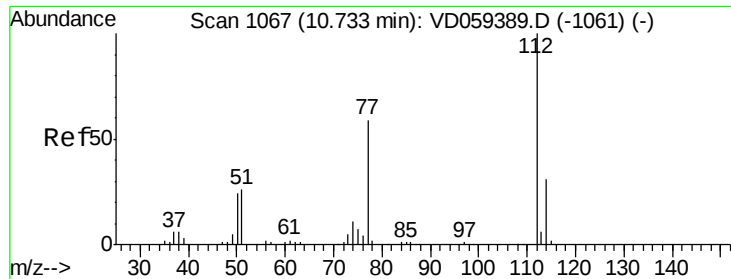


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

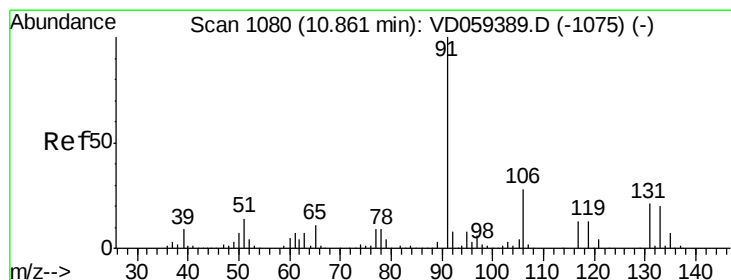
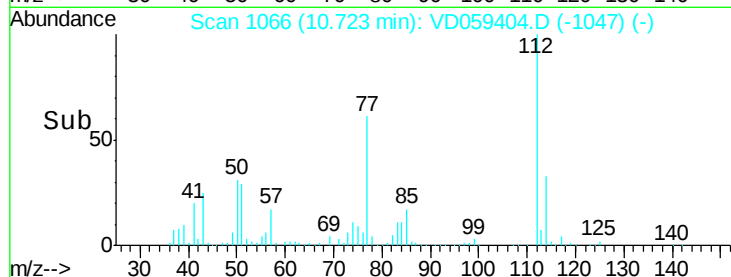
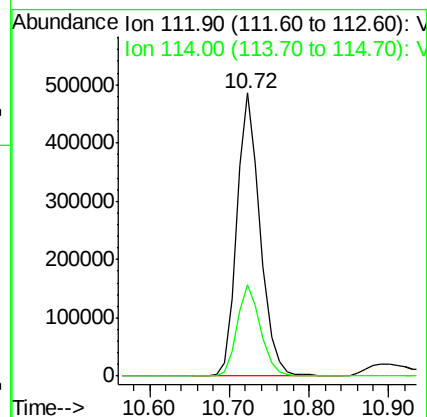
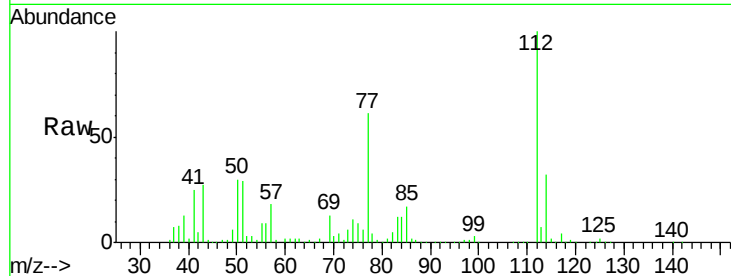




#65
Chlorobenzene
Concen: 110.757 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD059404.D
Acq: 25 Jun 2018 17:40

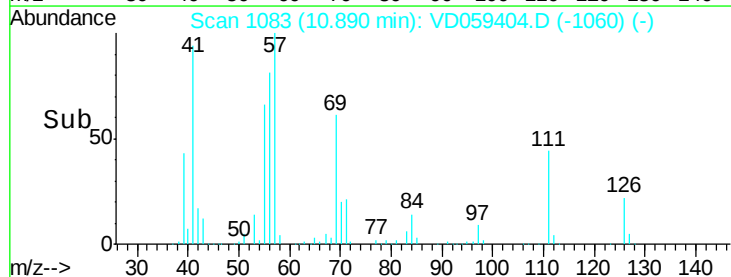
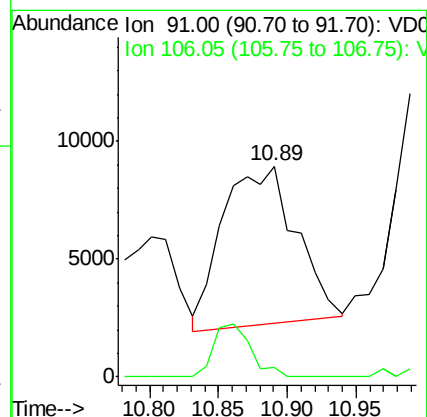
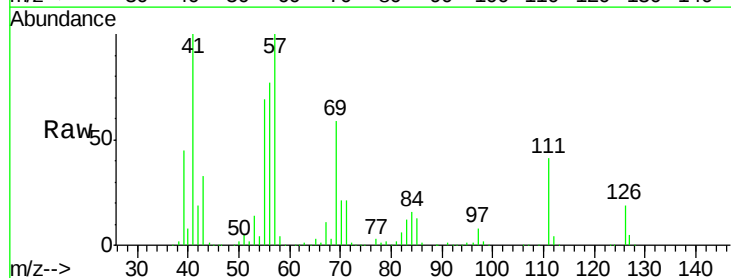
Instrument :
MSVOA_D
ClientSampleId :

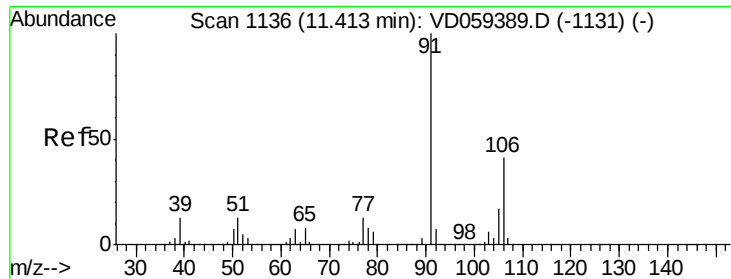
Tot Ion:112 Resp: 976280
Ion Ratio Lower Upper
112 100
114 32.4 24.6 37.0



#67
Ethyl Benzene
Concen: 1.680 ug/l
RT: 10.89 min Scan# 1083
Delta R.T. 0.03 min
Lab File: VD059404.D
Acq: 25 Jun 2018 17:40

Tgt Ion: 91 Resp: 24981
Ion Ratio Lower Upper
91 100
106 4.7 22.3 33.5#

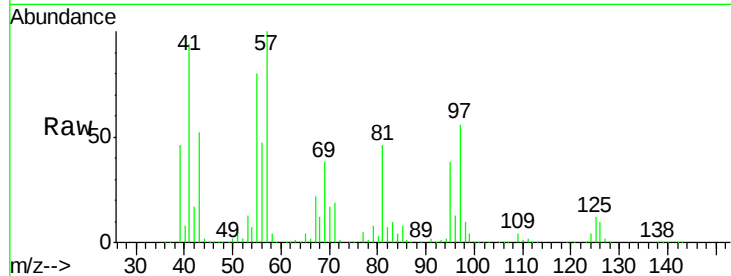




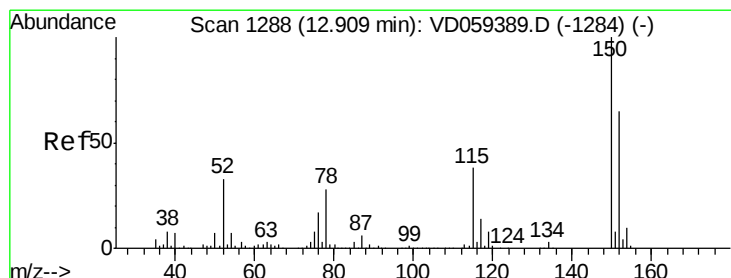
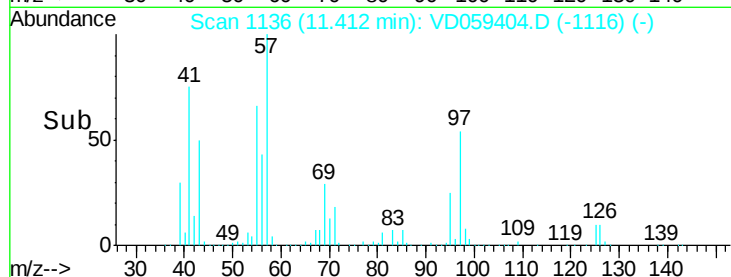
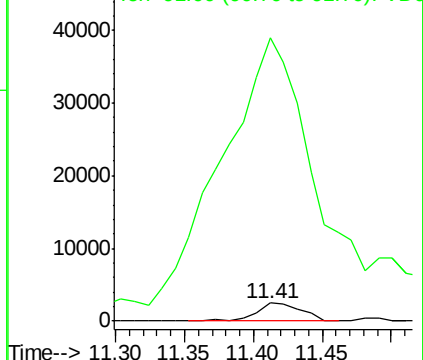
#69
o-Xylene
Concen: 1.114 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059404.D
Acq: 25 Jun 2018 17:40

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 5434
Ion Ratio Lower Upper
106 100
91 1568.4 121.0 362.8#

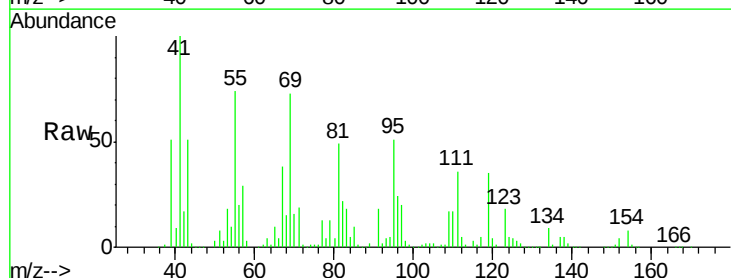


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

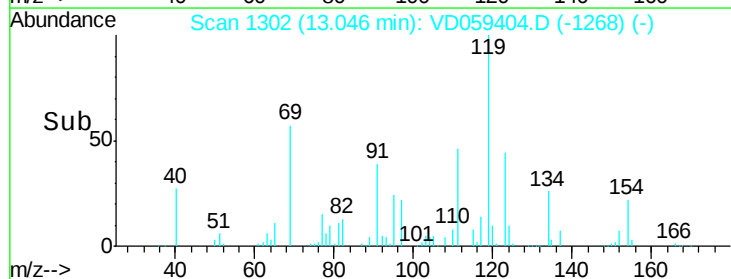
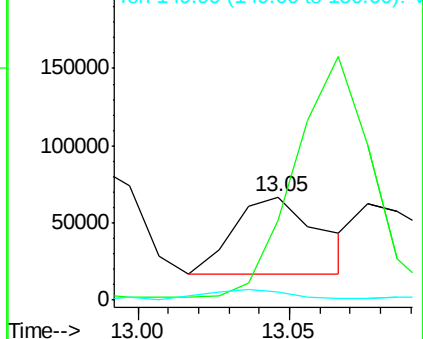


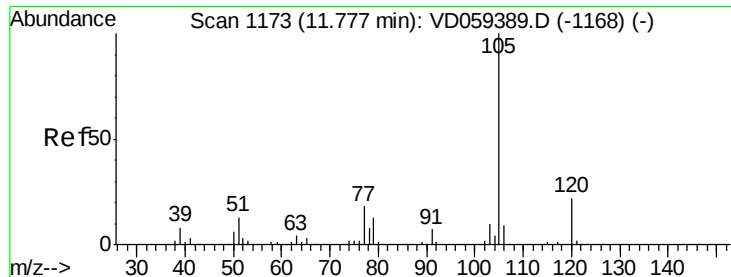
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.05 min Scan# 1302
Delta R.T. 0.14 min
Lab File: VD059404.D
Acq: 25 Jun 2018 17:40

Tgt Ion:152 Resp: 99179
Ion Ratio Lower Upper
152 100
115 76.7 29.4 88.3
150 7.4 0.0 308.2



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: 282.627 ug/l

RT: 11.80 min Scan# 1175

Delta R.T. 0.02 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

Instrument :

MSVOA_D

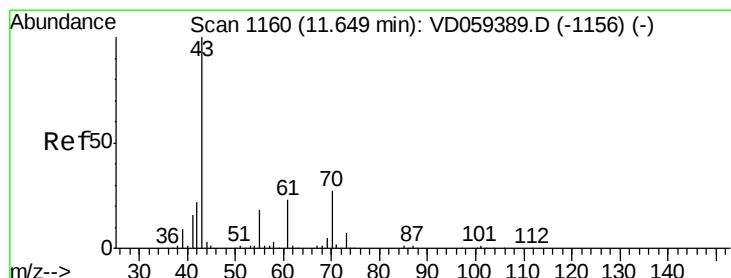
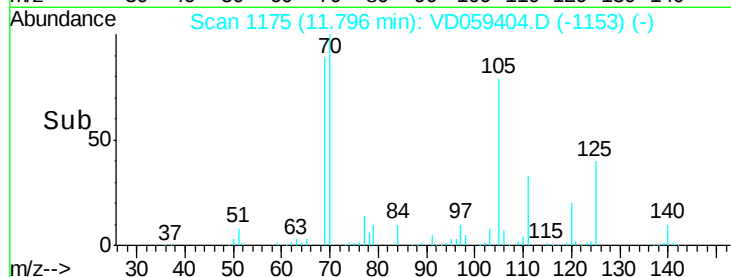
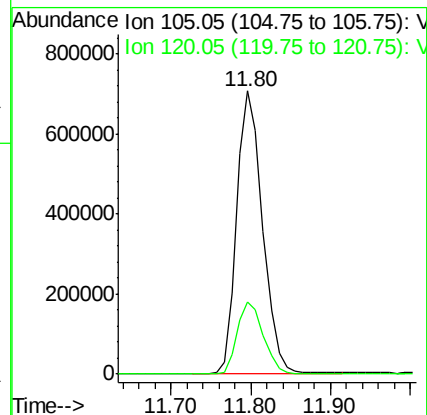
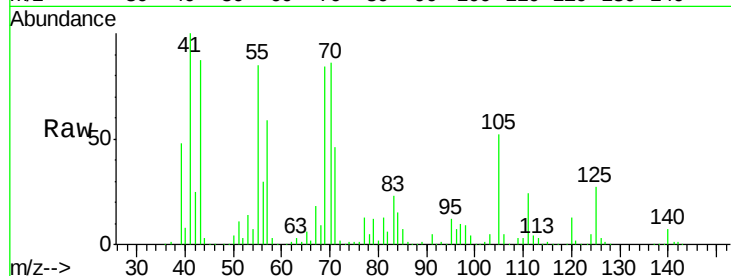
ClientSampleId :

Tot Ion:105 Resp: 1581818

Ion Ratio Lower Upper

105 100

120 25.6 11.0 33.0



#74

N-ethyl acetate

Concen: 2782.364 ug/l

RT: 11.57 min Scan# 1152

Delta R.T. -0.08 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

Tgt Ion: 43 Resp: 5924768

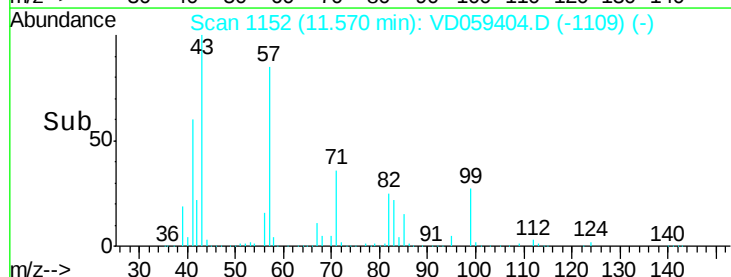
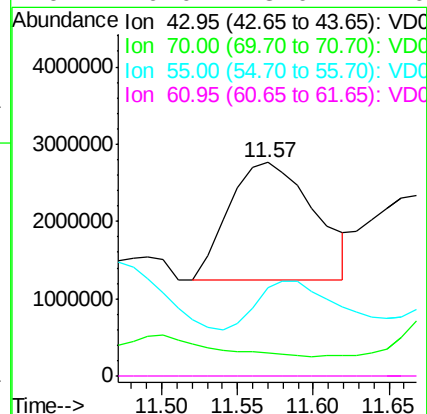
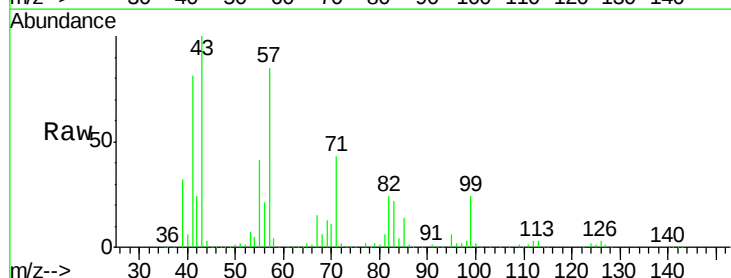
Ion Ratio Lower Upper

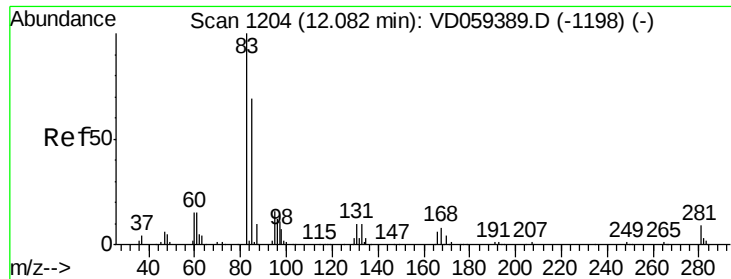
43 100

70 10.9 21.7 32.5#

55 41.5 14.6 22.0#

61 0.0 18.0 27.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 897.996 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.04 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

Instrument :

MSVOA_D

ClientSampleId :

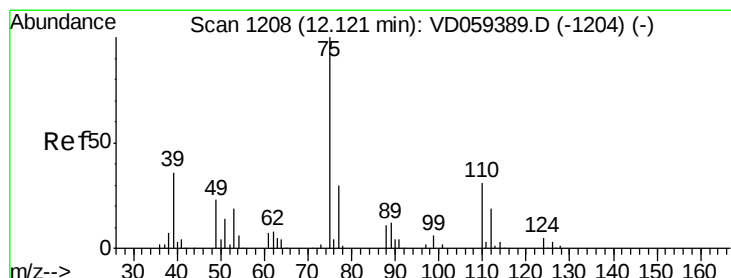
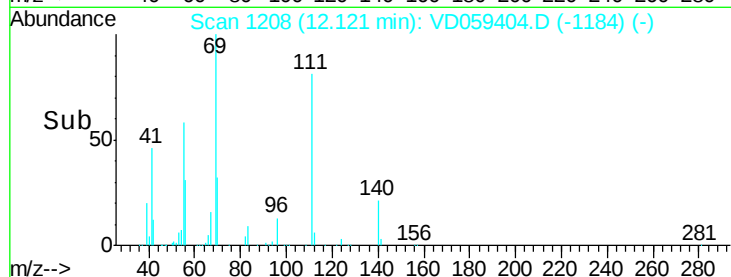
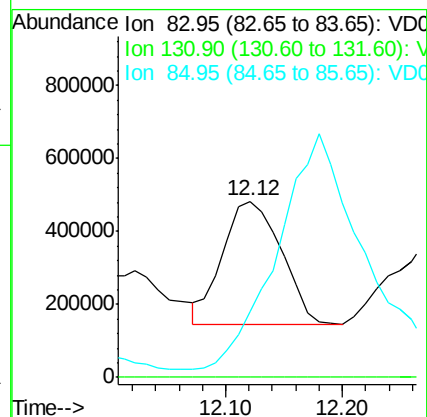
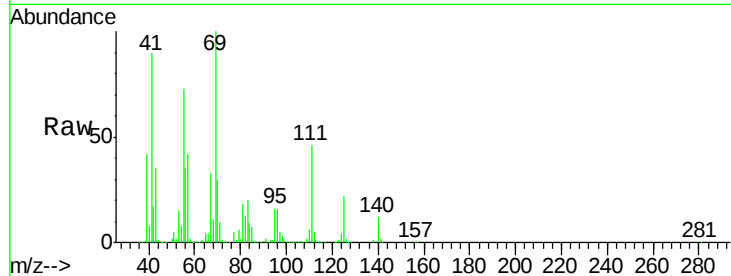
Tot Ion: 83 Resp: 1179114

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.6#

85 37.0 34.6 103.8



#76

1,2,3-Trichloropropane

Concen: 1.631 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD059404.D

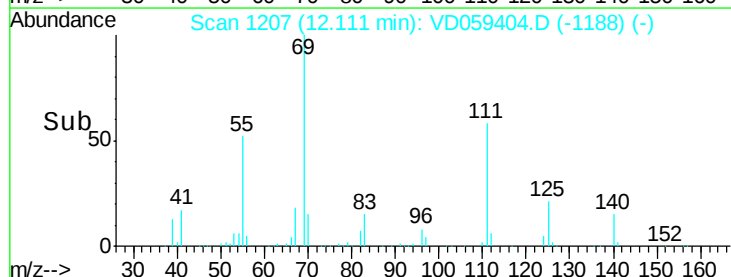
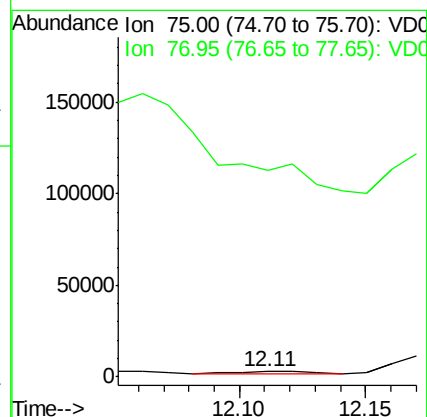
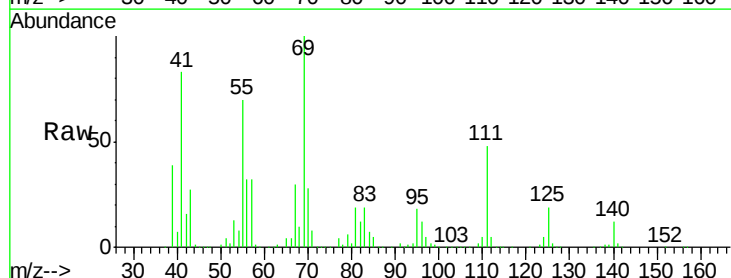
Acq: 25 Jun 2018 17:40

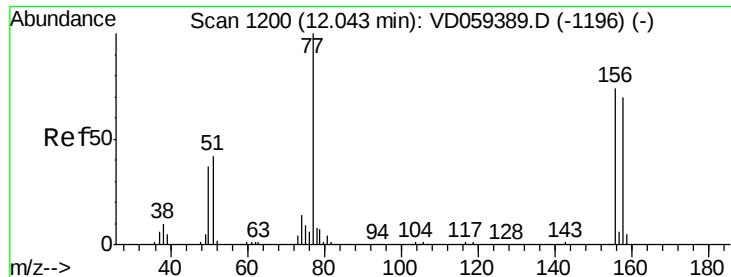
Tgt Ion: 75 Resp: 2231

Ion Ratio Lower Upper

75 100

77 4023.2 15.6 46.8#





#77

Bromobenzene

Concen: 1.716 ug/l

RT: 11.98 min Scan# 1194

Delta R.T. -0.06 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

Instrument :

MSVOA_D

ClientSampleId :

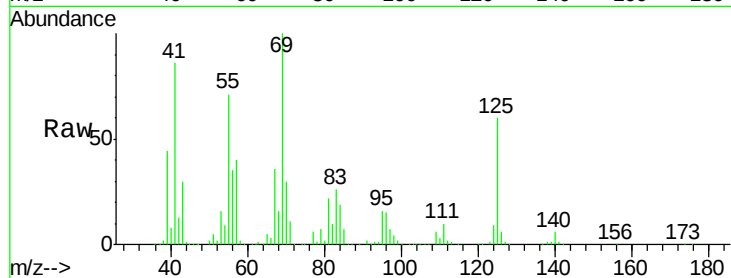
Tot Ion:156 Resp: 3023

Ion Ratio Lower Upper

156 100

77 6182.5 68.0 203.8#

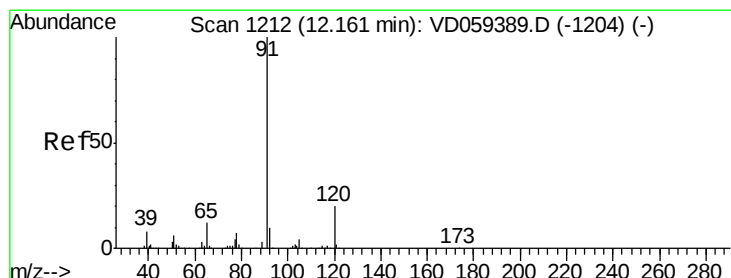
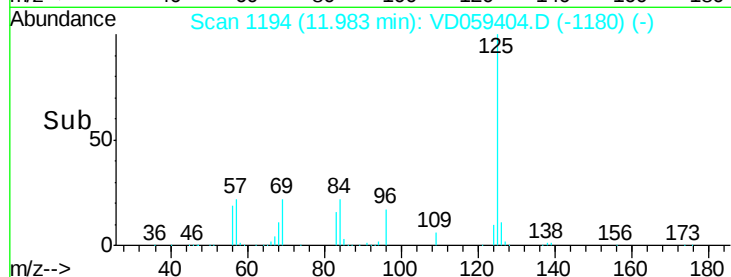
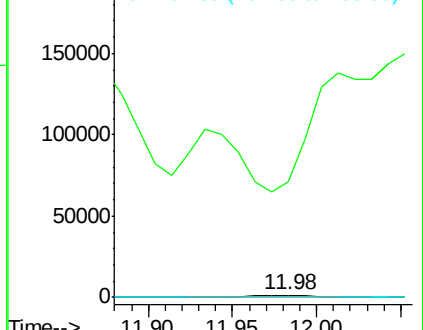
158 0.0 47.7 143.1#



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: 416.898 ug/l

RT: 12.18 min Scan# 1214

Delta R.T. 0.02 min

Lab File: VD059404.D

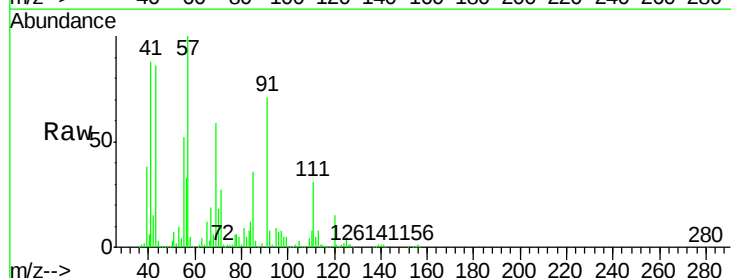
Acq: 25 Jun 2018 17:40

Tgt Ion: 91 Resp: 2955162

Ion Ratio Lower Upper

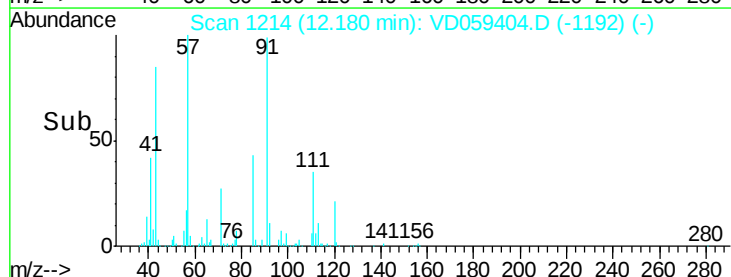
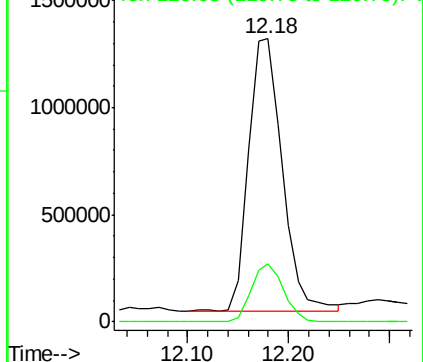
91 100

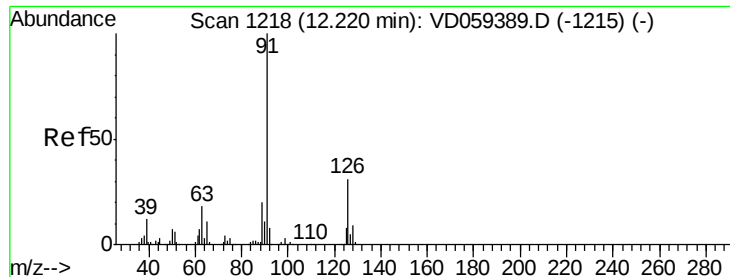
120 20.5 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 719.496 ug/l

RT: 12.18 min Scan# 1214

Delta R.T. -0.04 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

Instrument :

MSVOA_D

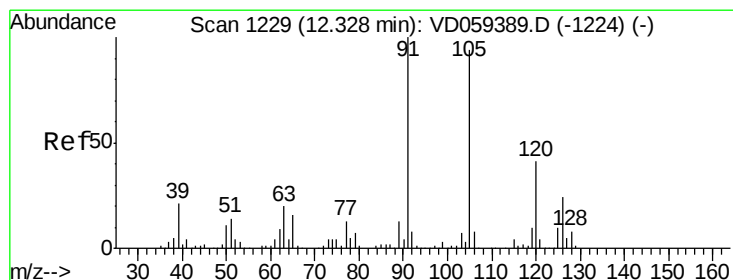
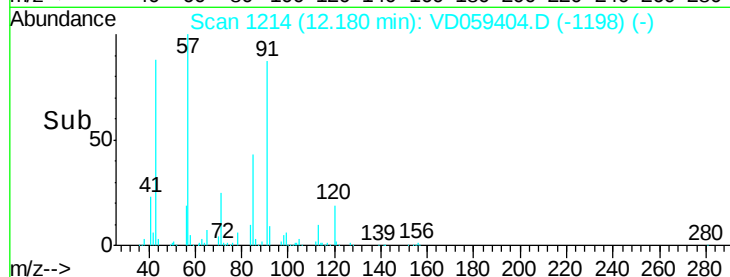
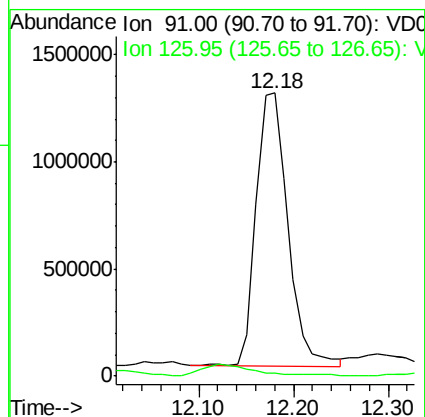
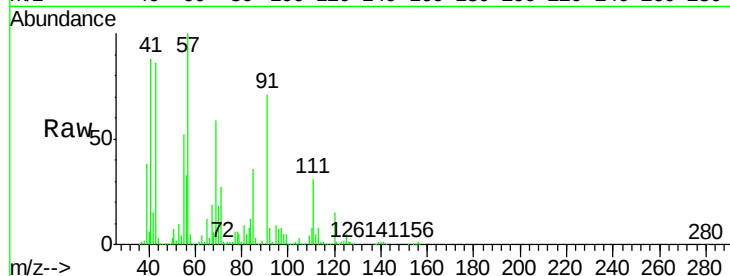
ClientSampleId :

Tot Ion: 91 Resp: 2995102

Ion Ratio Lower Upper

91 100

126 0.9 15.2 45.5#



#80

1,3,5-Trimethylbenzene

Concen: 6.458 ug/l

RT: 12.29 min Scan# 1225

Delta R.T. -0.04 min

Lab File: VD059404.D

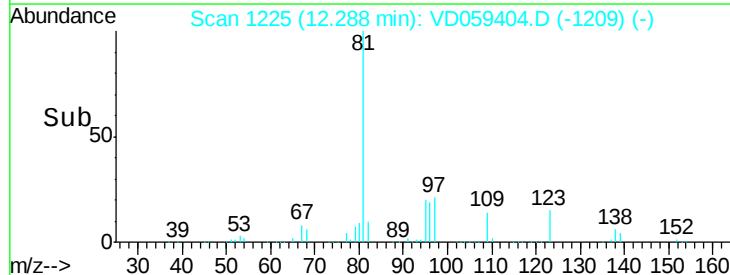
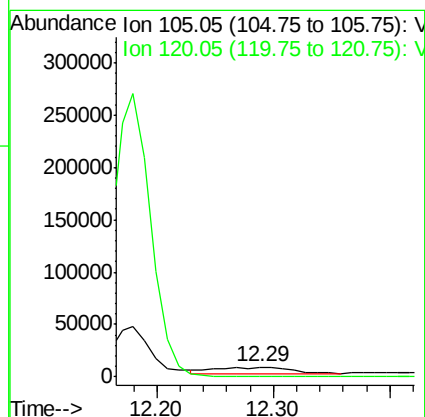
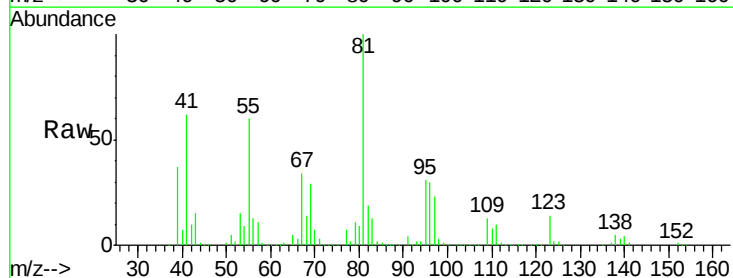
Acq: 25 Jun 2018 17:40

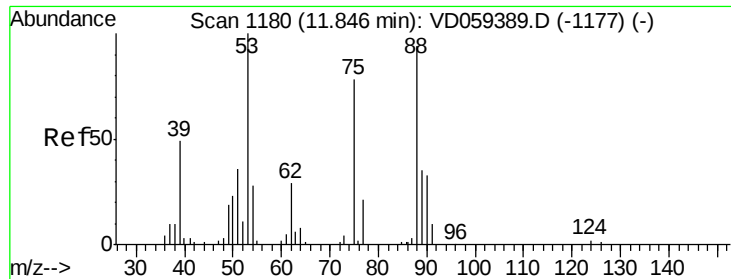
Tgt Ion:105 Resp: 28774

Ion Ratio Lower Upper

105 100

120 4.9 21.9 65.7#

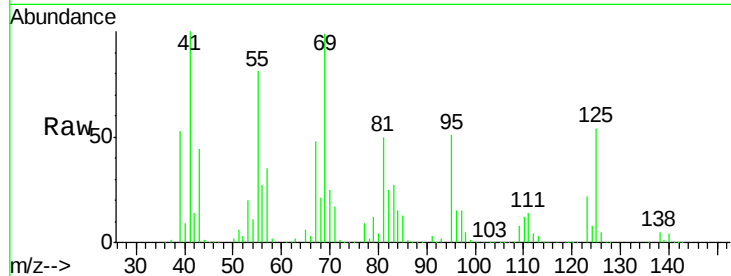




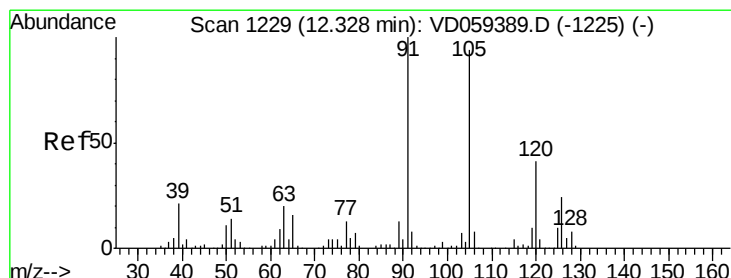
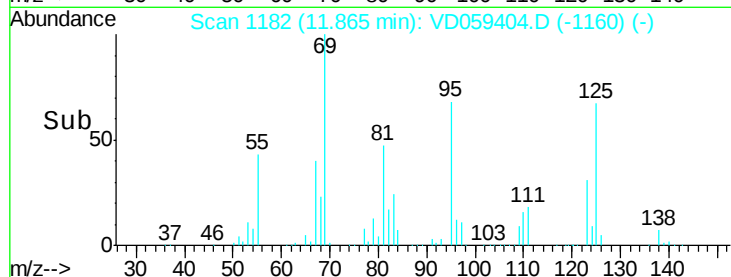
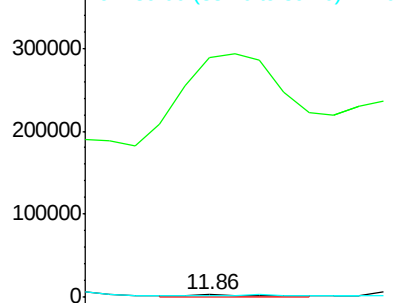
#81
trans-1,4-Dichloro-2-butene
Concen: 10.626 ug/l
RT: 11.86 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD059404.D
Acq: 25 Jun 2018 17:40

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 3304
Ion Ratio Lower Upper
75 100
53 9859.3 102.6 154.0#
89 60.5 35.9 53.9#

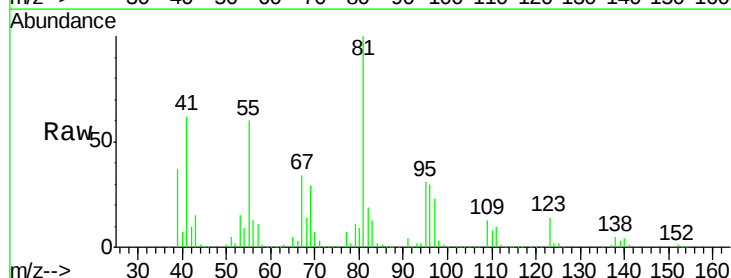


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

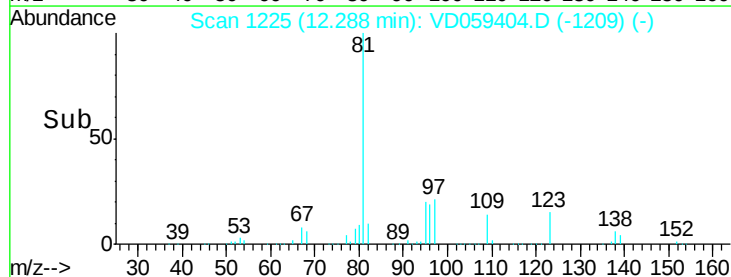
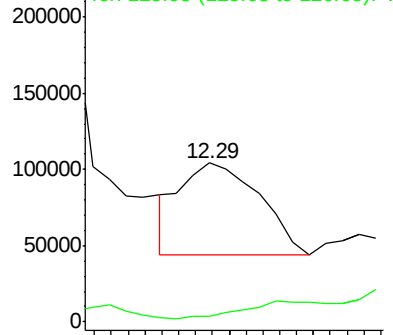


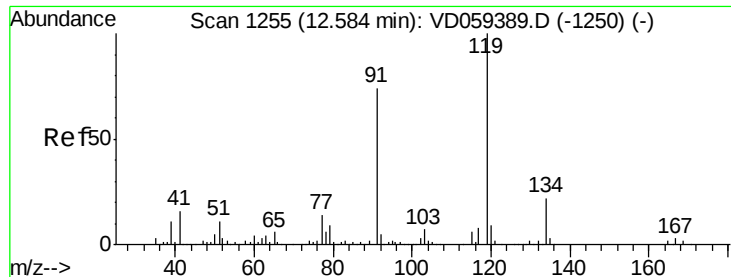
#82
4-Chlorotoluene
Concen: 41.904 ug/l
RT: 12.29 min Scan# 1225
Delta R.T. -0.04 min
Lab File: VD059404.D
Acq: 25 Jun 2018 17:40

Tgt Ion: 91 Resp: 197802
Ion Ratio Lower Upper
91 100
126 3.5 12.2 36.6#



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

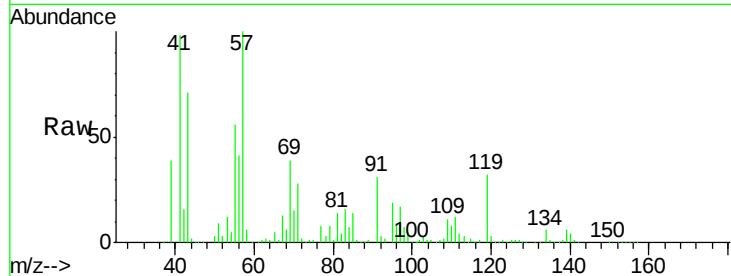




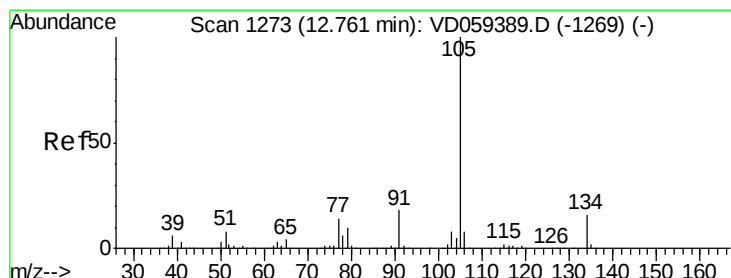
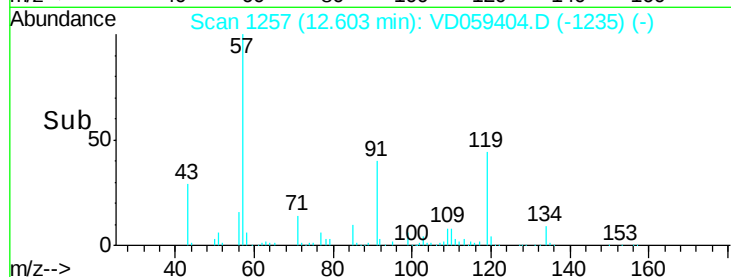
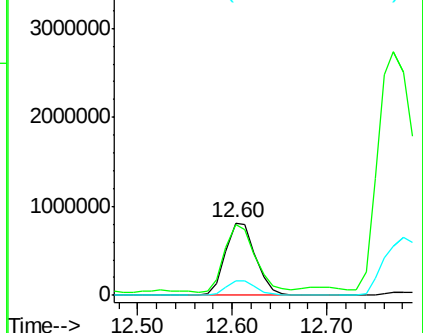
#83
tert-Butylbenzene
Concen: 377.968 ug/l
RT: 12.60 min Scan# 1257
Delta R.T. 0.02 min
Lab File: VD059404.D
Acq: 25 Jun 2018 17:40

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 1791378
Ion Ratio Lower Upper
119 100
91 98.1 36.9 110.7
134 19.5 11.2 33.6

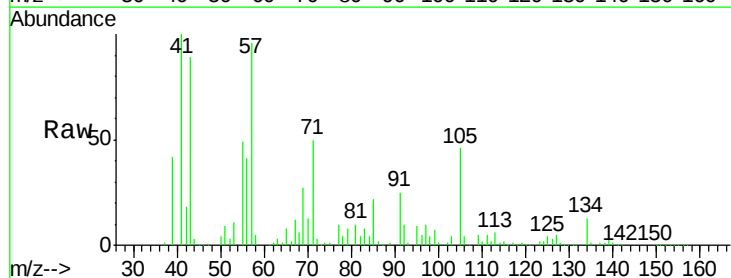


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

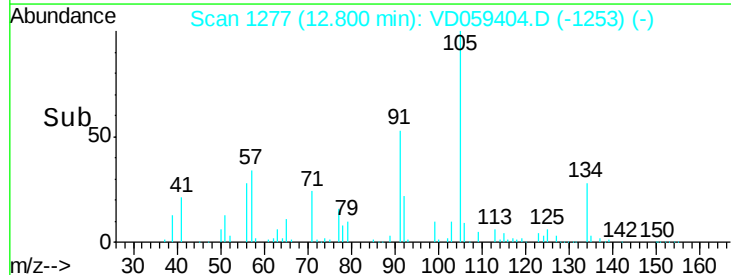
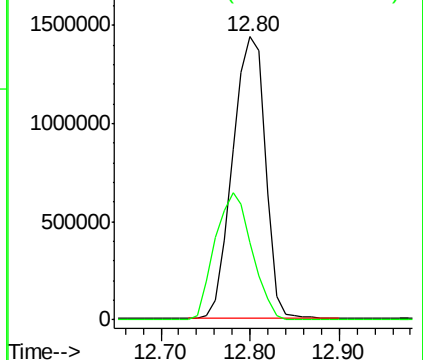


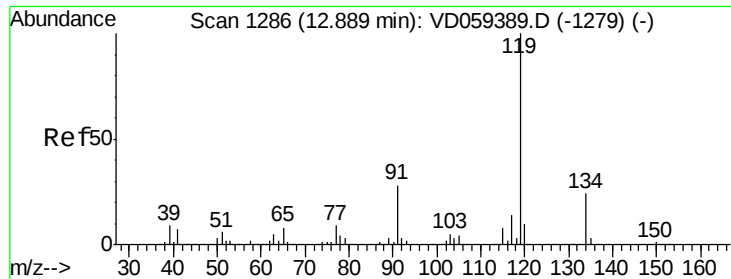
#85
sec-Butylbenzene
Concen: 632.491 ug/l
RT: 12.80 min Scan# 1277
Delta R.T. 0.04 min
Lab File: VD059404.D
Acq: 25 Jun 2018 17:40

Tgt Ion:105 Resp: 3678433
Ion Ratio Lower Upper
105 100
134 27.5 8.2 24.6#



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 134.10 (133.80 to 134.80): V

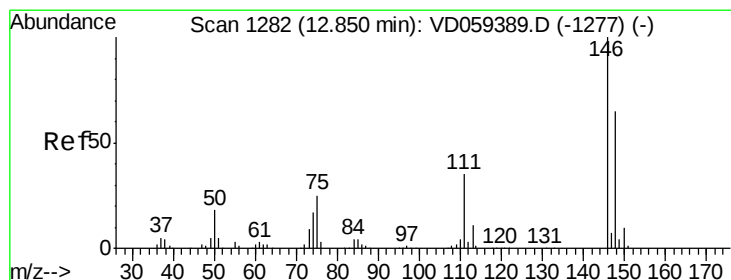
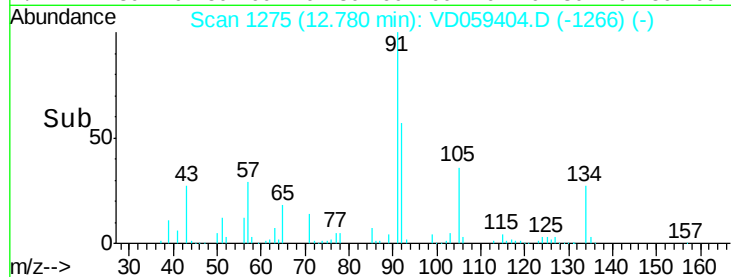
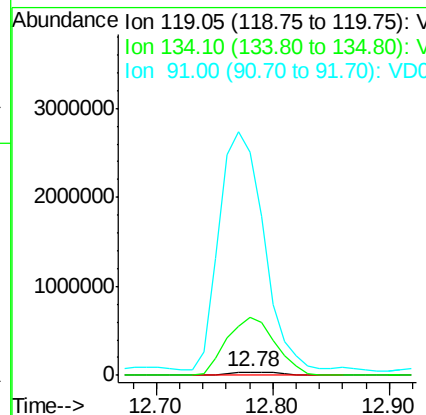
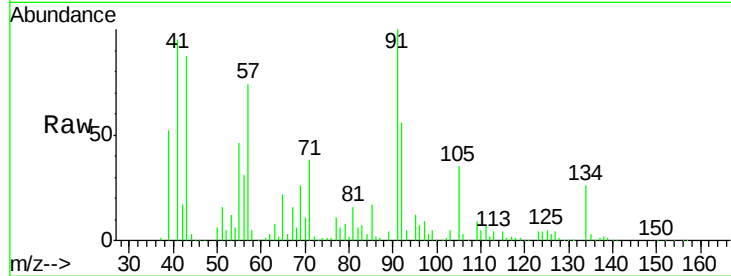




#86
p-Isopropyltoluene
Concen: 21.768 ug/l
RT: 12.78 min Scan# 1275
Delta R.T. -0.11 min
Lab File: VD059404.D
Acq: 25 Jun 2018 17:40

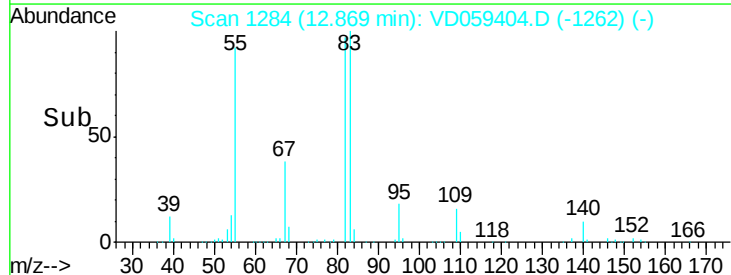
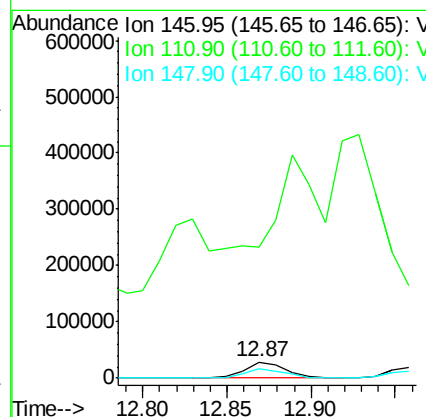
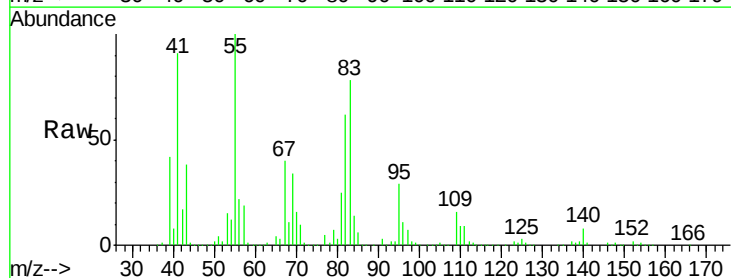
Instrument :
MSVOA_D
ClientSampled :

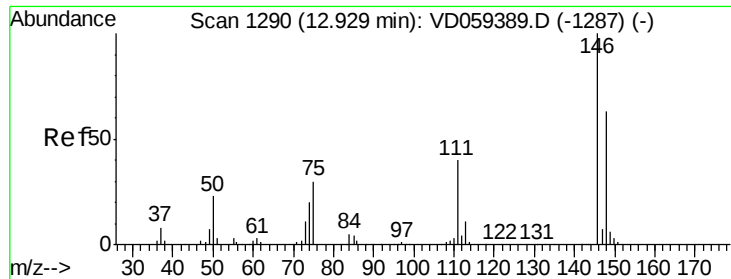
Tot Ion:119 Resp: 102041
Ion Ratio Lower Upper
119 100
134 1915.6 11.9 35.5#
91 7449.7 14.1 42.4#



#87
1,3-Dichlorobenzene
Concen: 16.155 ug/l
RT: 12.87 min Scan# 1284
Delta R.T. 0.02 min
Lab File: VD059404.D
Acq: 25 Jun 2018 17:40

Tgt Ion:146 Resp: 46817
Ion Ratio Lower Upper
146 100
111 809.8 17.6 52.8#
148 60.6 32.4 97.2

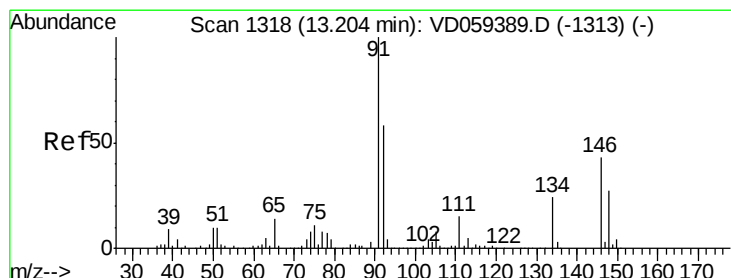
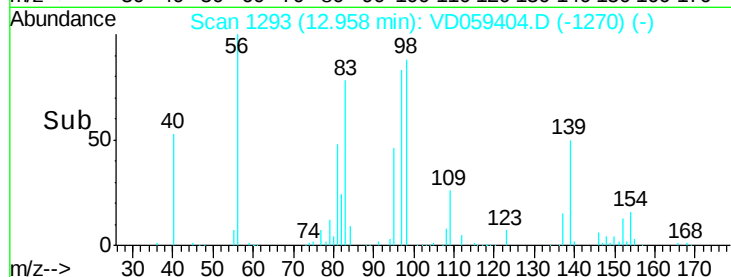
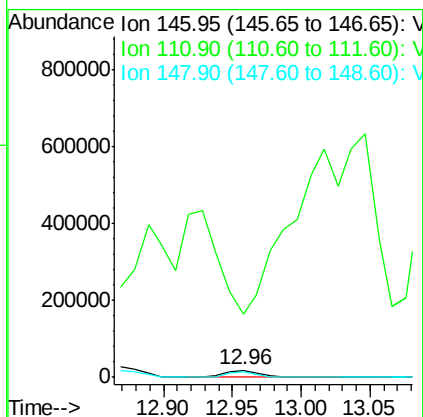
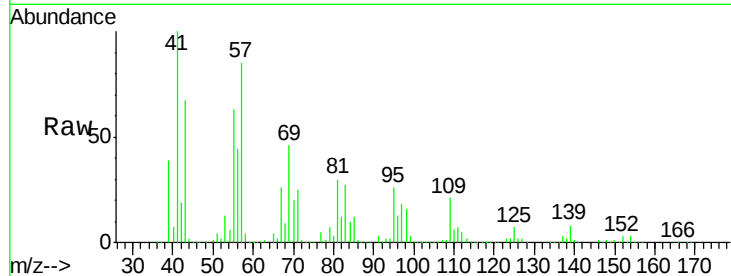




#88
 1,4-Dichlorobenzene
 Concen: 11.074 ug/l
 RT: 12.96 min Scan# 1293
 Delta R.T. 0.03 min
 Lab File: VD059404.D
 Acq: 25 Jun 2018 17:40

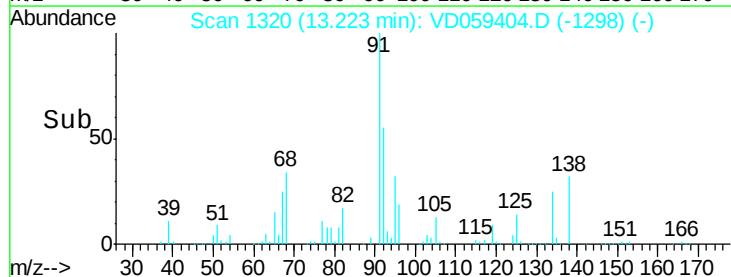
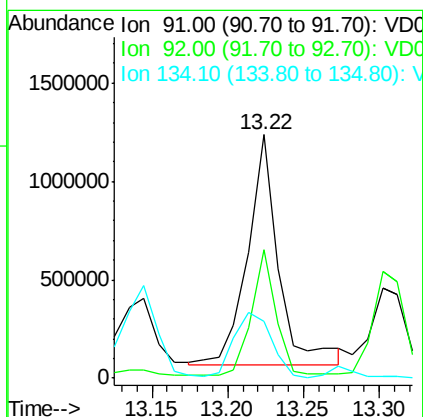
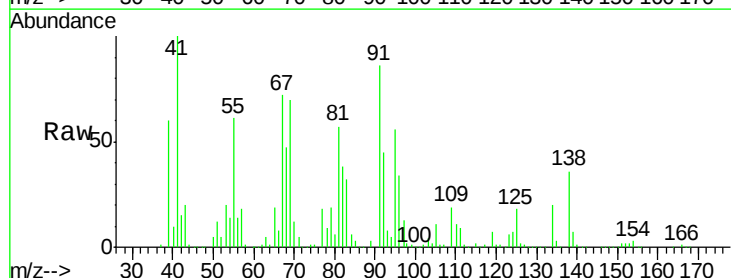
Instrument :
 MSVOA_D
 ClientSampleId :

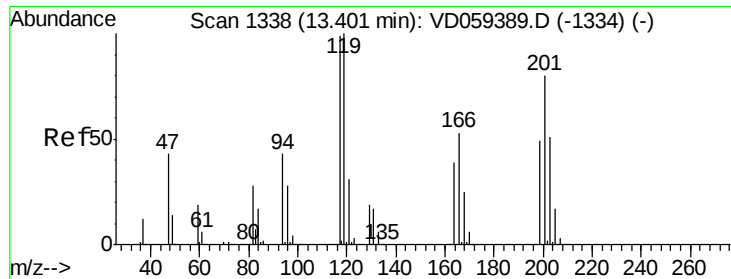
Tot Ion:146 Resp: 31668
 Ion Ratio Lower Upper
 146 100
 111 855.3 20.1 60.2#
 148 68.3 31.4 94.0



#89
 n-Butylbenzene
 Concen: 360.956 ug/l
 RT: 13.22 min Scan# 1320
 Delta R.T. 0.02 min
 Lab File: VD059404.D
 Acq: 25 Jun 2018 17:40

Tgt Ion: 91 Resp: 1670187
 Ion Ratio Lower Upper
 91 100
 92 53.0 28.8 86.5
 134 23.4 11.9 35.7

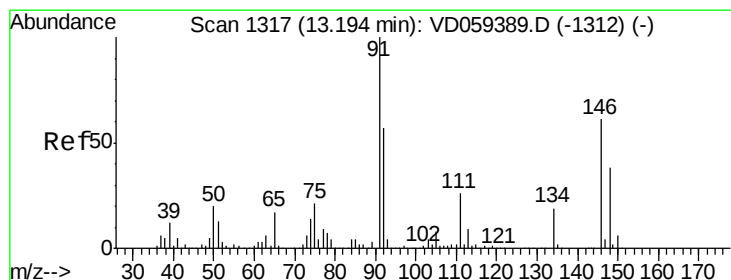
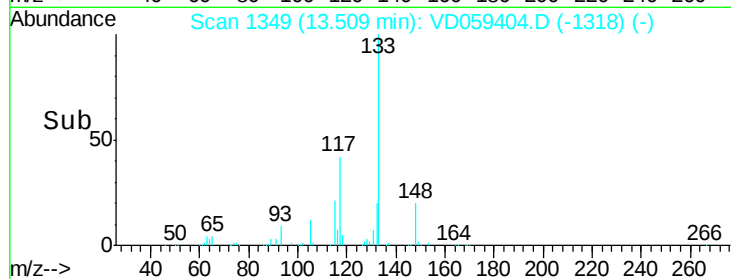
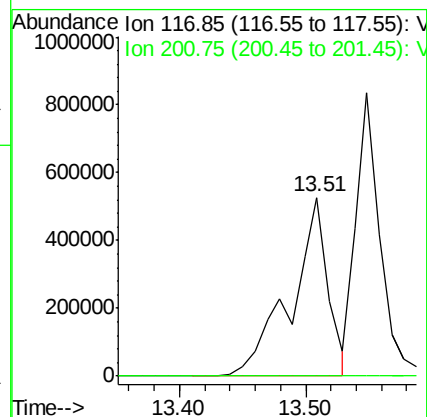
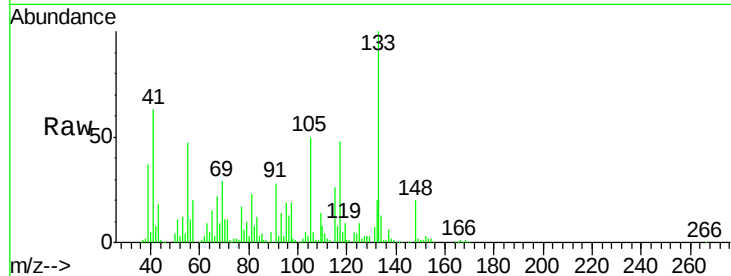




#90
Hexachloroethane
Concen: 914.753 ug/l
RT: 13.51 min Scan# 1349
Delta R.T. 0.11 min
Lab File: VD059404.D
Acq: 25 Jun 2018 17:40

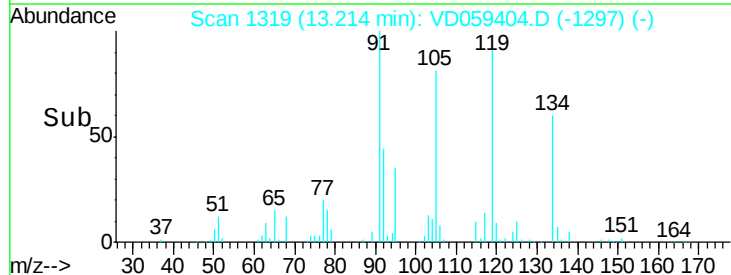
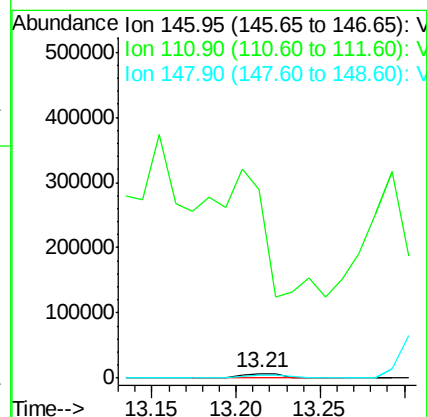
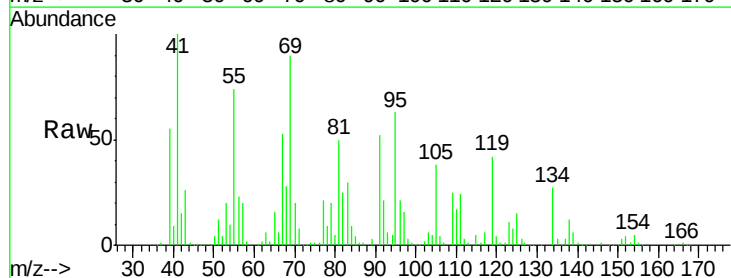
Instrument :
MSVOA_D
ClientSampled :

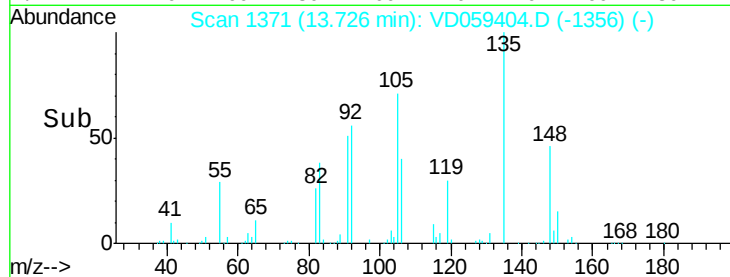
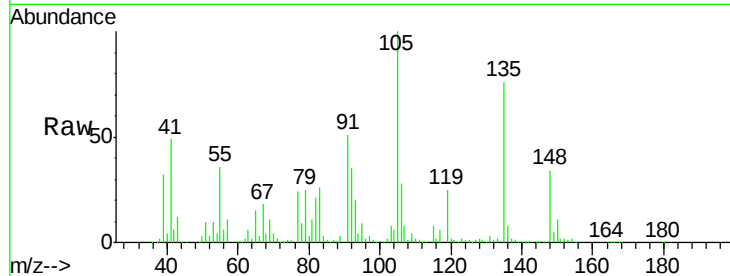
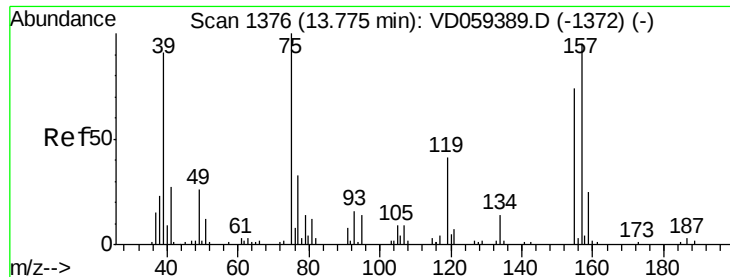
Tot Ion:117 Resp: 1069818
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.3#



#91
1,2-Dichlorobenzene
Concen: 4.647 ug/l
RT: 13.21 min Scan# 1319
Delta R.T. 0.02 min
Lab File: VD059404.D
Acq: 25 Jun 2018 17:40

Tgt Ion:146 Resp: 11418
Ion Ratio Lower Upper
146 100
111 4152.5 21.4 64.2#
148 67.7 31.6 95.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 216.089 ug/l

RT: 13.73 min Scan# 1371

Delta R.T. -0.05 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 46786

Ion Ratio Lower Upper

75 100

155 23.5 37.2 111.6#

157 0.0 47.4 142.2#

