

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058313.D
 Acq On : 22 Jun 2018 23:05
 Operator : VA/AP
 Sample : J3617-01
 Misc : 5.88g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 F3-58-SRI3

Quant Time: Jun 23 00:13:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	636280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	844531	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	673791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	343885	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	360693	56.12	ug/l	0.00
Spiked Amount			Recovery	=	112.24%	
35) Dibromofluoromethane	5.54	113	359590	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	
50) Toluene-d8	8.70	98	835729	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
62) 4-Bromofluorobenzene	11.92	95	363229	53.47	ug/l	0.00
Spiked Amount			Recovery	=	106.94%	

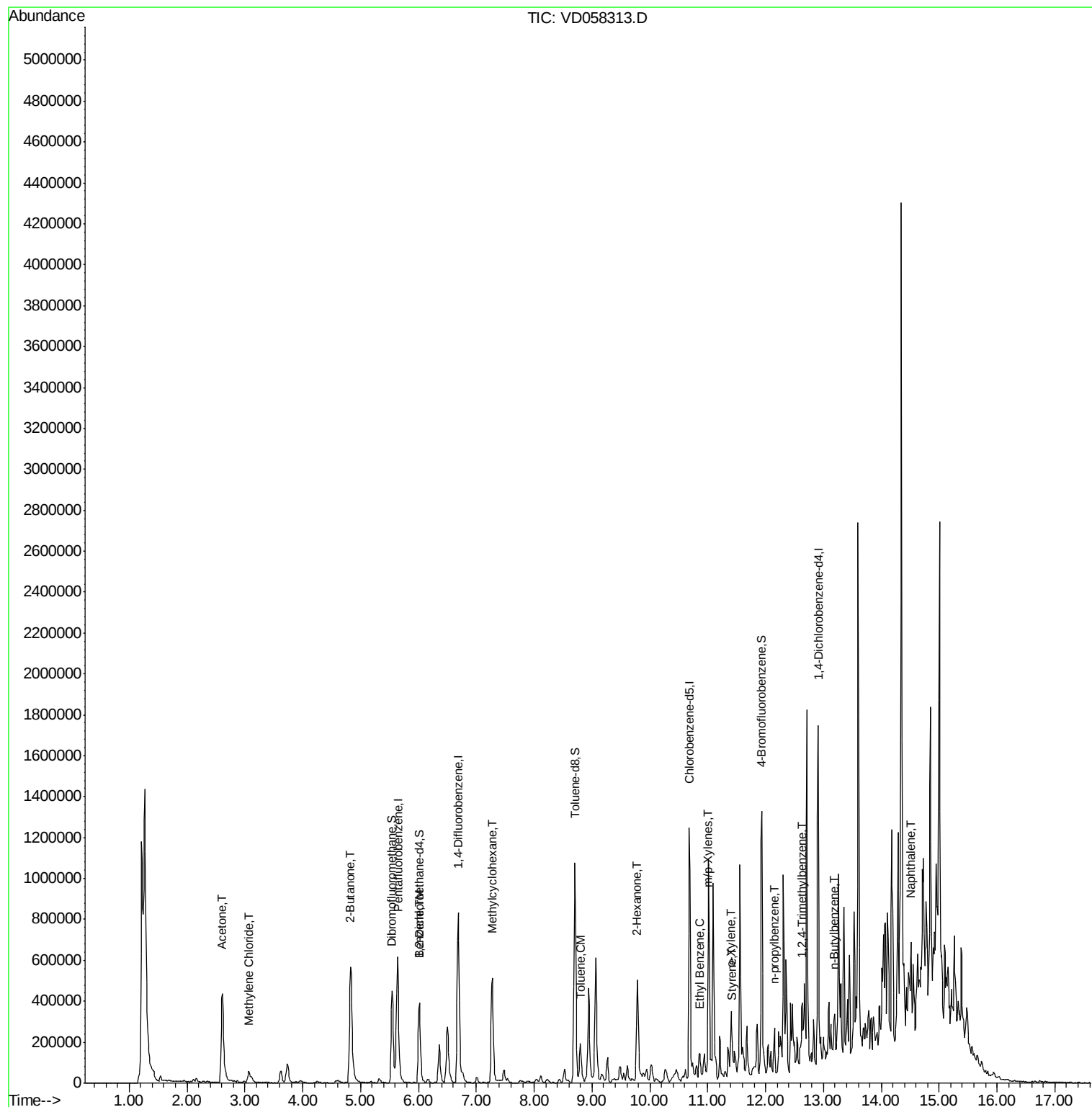
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.61	43	922221	1049.26	ug/l #	92
20) Methylene Chloride	3.06	84	27099	7.79	ug/l	87
25) 2-Butanone	4.83	43	1242231	648.47	ug/l	100
39) Methylcyclohexane	7.28	83	12649	1.55	ug/l #	83
40) Benzene	6.02	78	36879	1.85	ug/l #	81
52) Toluene	8.80	92	89103	7.86	ug/l	95
59) 2-Hexanone	9.78	43	489370	163.61	ug/l	98
67) Ethyl Benzene	10.85	91	100032	4.50	ug/l	100
68) m/p-Xylenes	11.00	106	41889	5.65	ug/l	97
69) o-Xylene	11.40	106	51613	7.28	ug/l	91
70) Styrene	11.43	104	37001	3.06	ug/l	95
78) n-propylbenzene	12.15	91	118281	4.45	ug/l	96
84) 1,2,4-Trimethylbenzene	12.62	105	78992	4.53	ug/l	92
89) n-Butylbenzene	13.19	91	96176	5.22	ug/l	99
95) Naphthalene	14.51	128	156214	13.61	ug/l	97

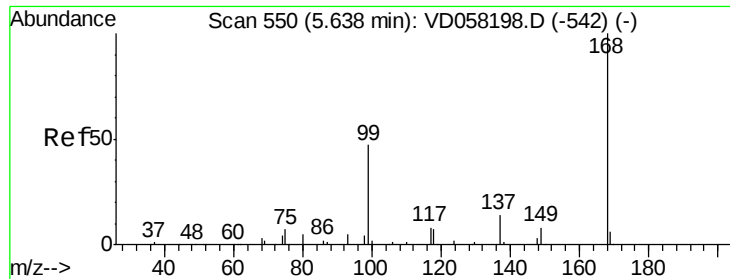
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062218\
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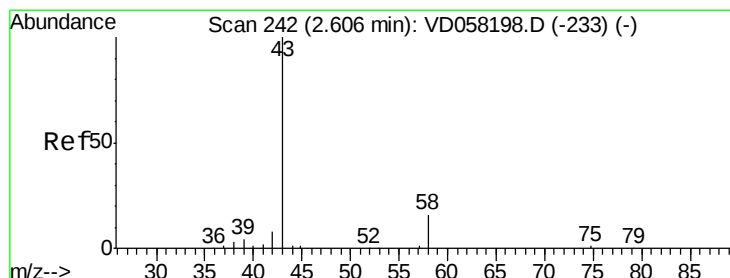
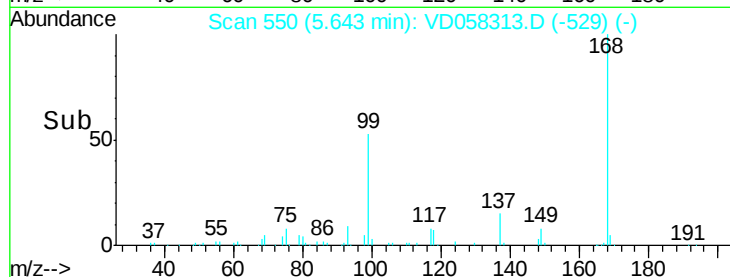
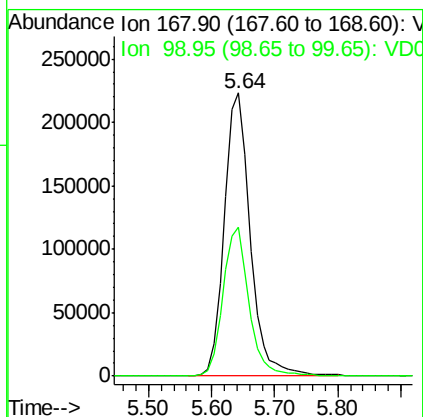
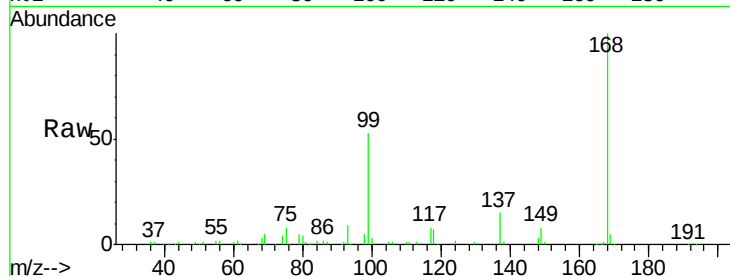




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.64 min Scan# 550
Delta R.T. 0.00 min
Lab File: VD058313.D
Acq: 22 Jun 2018 23:05

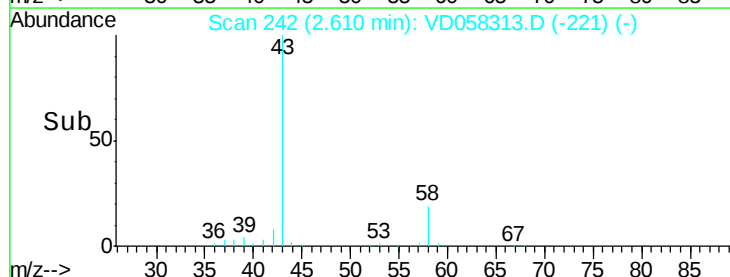
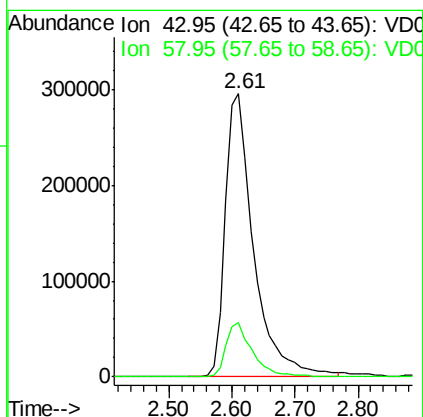
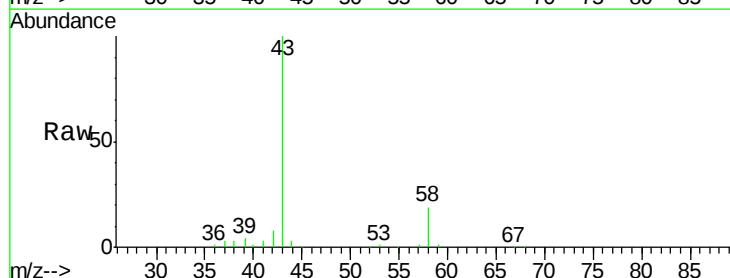
Instrument :
MSVOA_D
ClientSampleId :
F3-58-SRI3

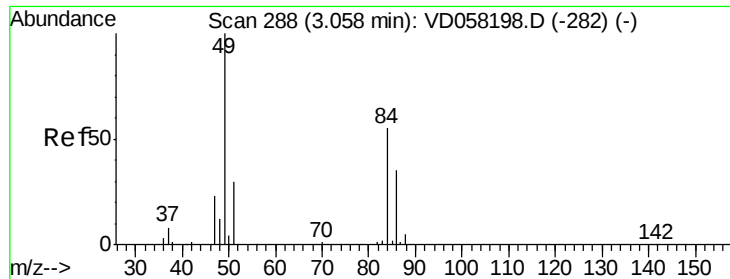
Tot Ion:168 Resp: 636280
Ion Ratio Lower Upper
168 100
99 52.7 41.1 61.7



#16
Acetone
Concen: 1049.26 ug/l
RT: 2.61 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD058313.D
Acq: 22 Jun 2018 23:05

Tgt Ion: 43 Resp: 922221
Ion Ratio Lower Upper
43 100
58 19.3 12.7 19.1#

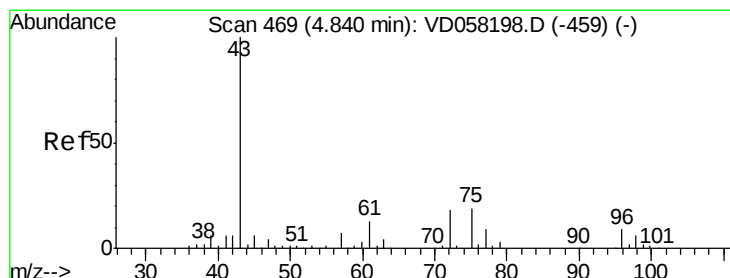
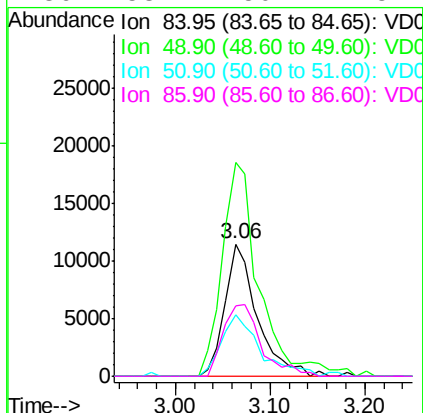
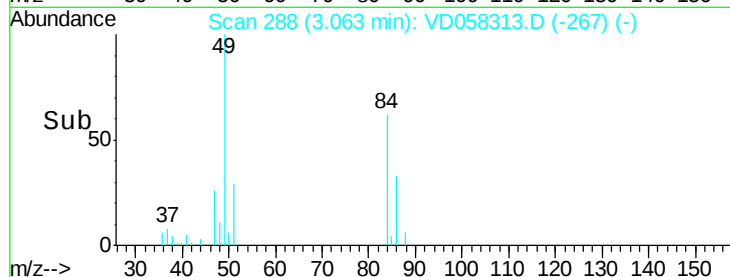
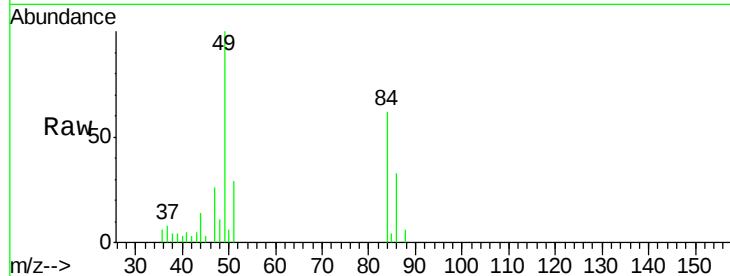




#20
Methvlene Chloride
Concen: 7.79 ug/l
RT: 3.06 min Scan# 288
Delta R.T. 0.01 min
Lab File: VD058313.D
Acq: 22 Jun 2018 23:05

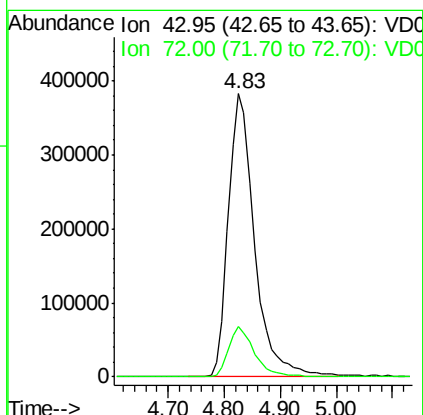
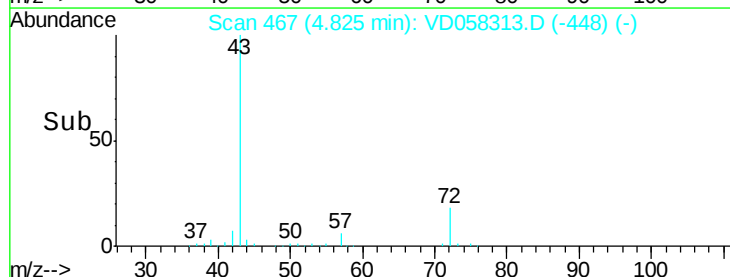
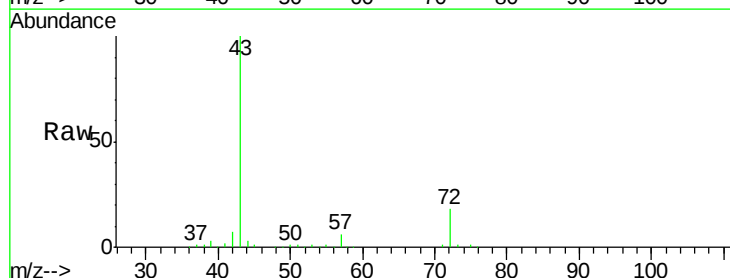
Instrument :
MSVOA_D
ClientSampleId :
F3-58-SRI3

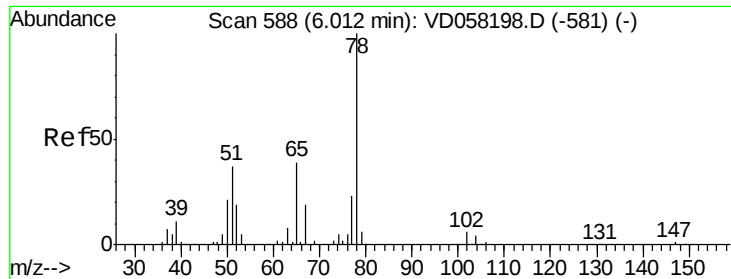
Tot Ion:	84	Resp:	27099
Ion	Ratio	Lower	Upper
84	100		
49	161.8	145.0	217.6
51	46.3	42.9	64.3
86	53.2	50.1	75.1



#25
2-Butanone
Concen: 648.47 ug/l
RT: 4.83 min Scan# 467
Delta R.T. -0.01 min
Lab File: VD058313.D
Acq: 22 Jun 2018 23:05

Tgt Ion:	43	Resp:	1242231
Ion	Ratio	Lower	Upper
43	100		
72	17.7	14.1	21.1

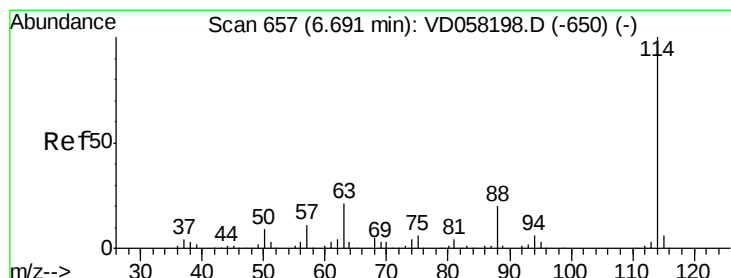
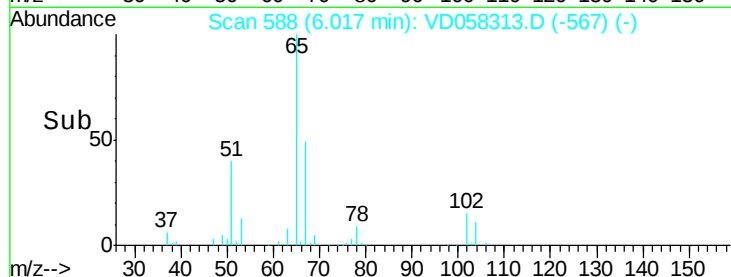
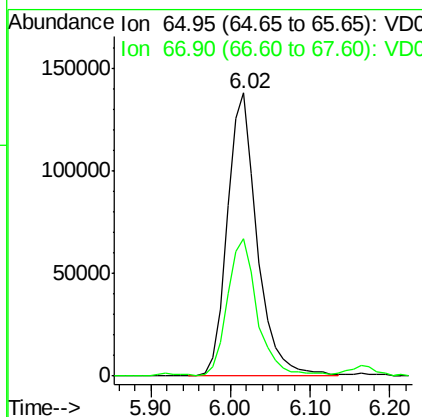
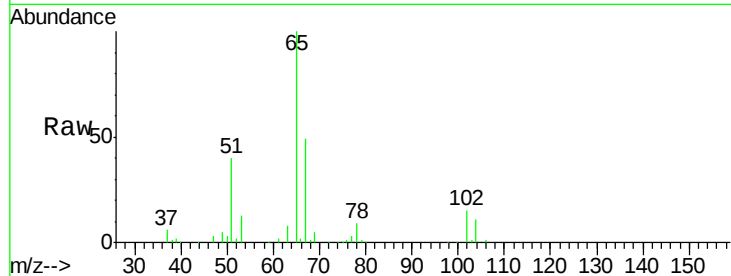




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.02 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VD058313.D
 Acq: 22 Jun 2018 23:05

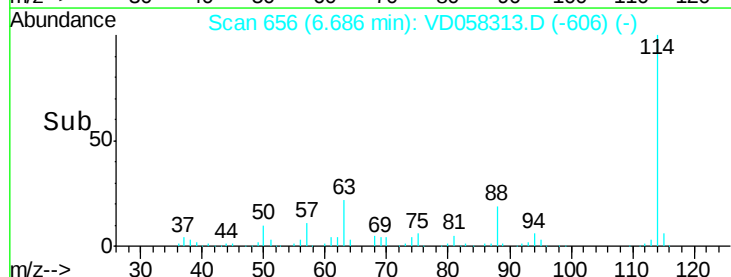
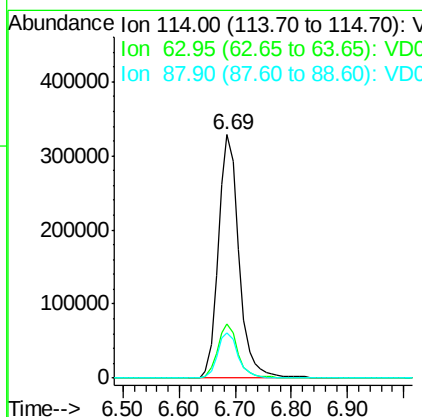
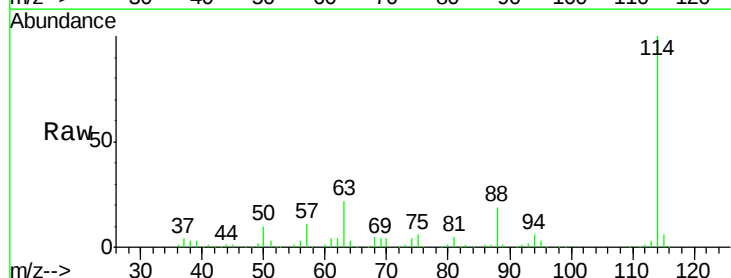
Instrument :
 MSVOA_D
 ClientSampleId :
 F3-58-SRI3

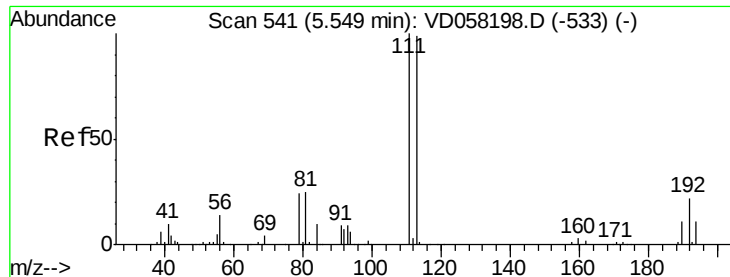
Tot Ion: 65 Resp: 360693
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VD058313.D
 Acq: 22 Jun 2018 23:05

Tgt Ion: 114 Resp: 844531
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 42.6
 88 18.7 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.00 min

Lab File: VD058313.D

Acq: 22 Jun 2018 23:05

Instrument :

MSVOA_D

ClientSampleId :

F3-58-SRI3

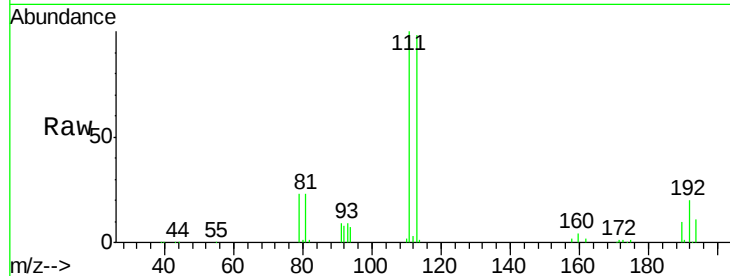
Tot Ion:113 Resp: 359590

Ion Ratio Lower Upper

113 100

111 102.4 80.6 121.0

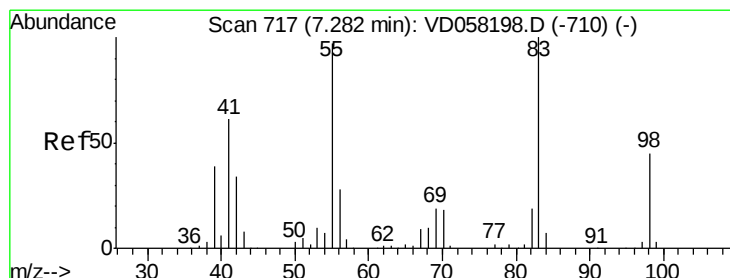
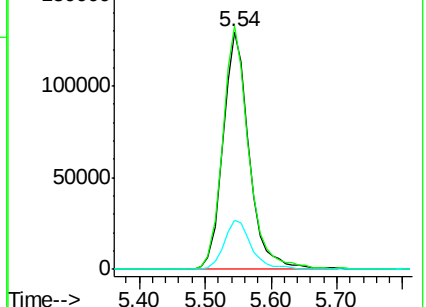
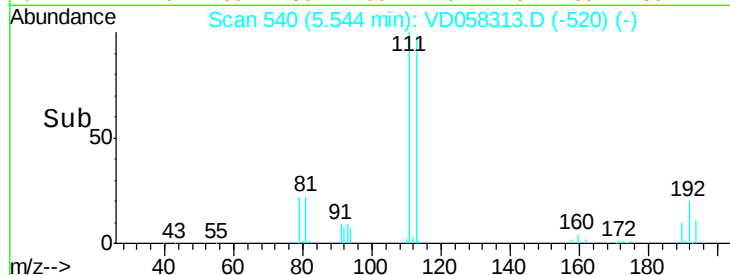
192 20.8 17.8 26.6



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



#39

Methylcyclohexane

Concen: 1.55 ug/l

RT: 7.28 min Scan# 716

Delta R.T. -0.00 min

Lab File: VD058313.D

Acq: 22 Jun 2018 23:05

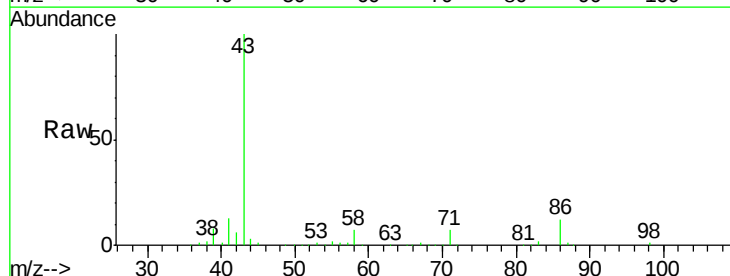
Tgt Ion: 83 Resp: 12649

Ion Ratio Lower Upper

83 100

55 117.2 77.4 116.2#

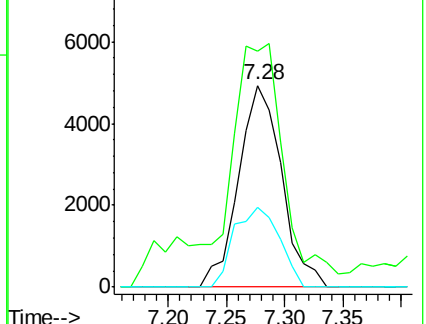
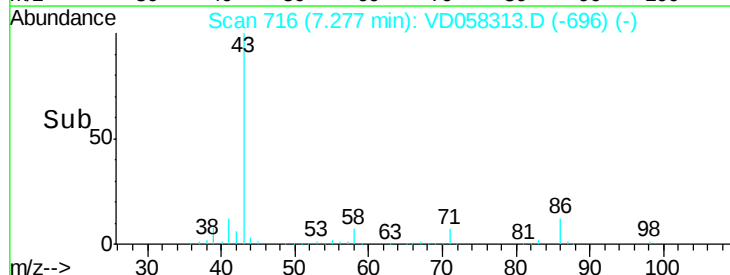
98 39.3 35.9 53.9

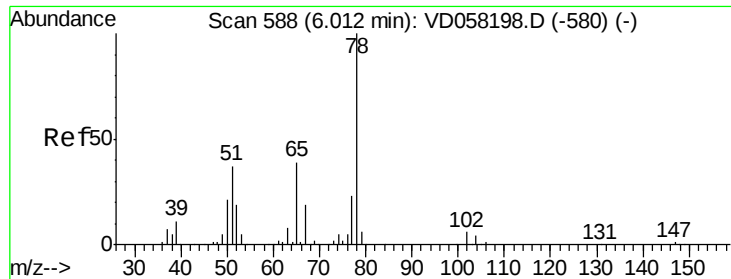


Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC





#40

Benzene

Concen: 1.85 ug/l

RT: 6.02 min Scan# 588

Delta R.T. 0.00 min

Lab File: VD058313.D

Acq: 22 Jun 2018 23:05

Instrument :

MSVOA_D

ClientSampled :

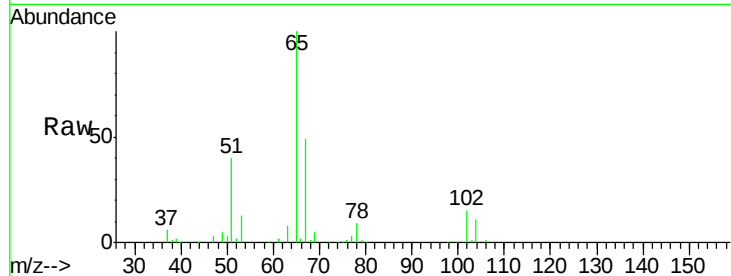
F3-58-SRI3

Tot Ion: 78 Resp: 36879

Ion Ratio Lower Upper

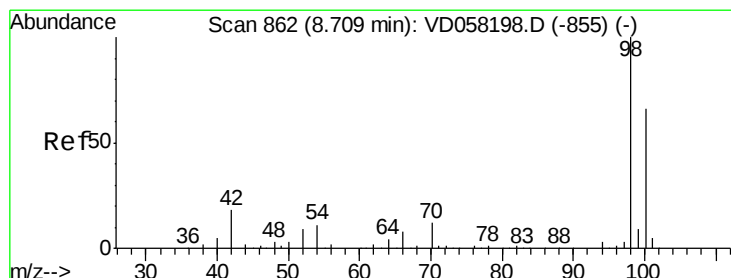
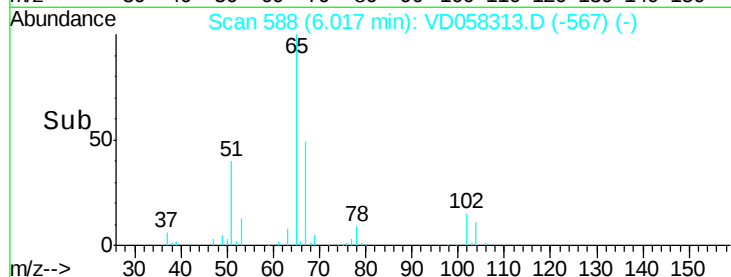
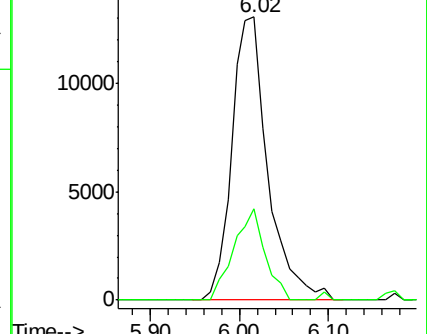
78 100

77 32.5 18.5 27.7#



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.00 min

Lab File: VD058313.D

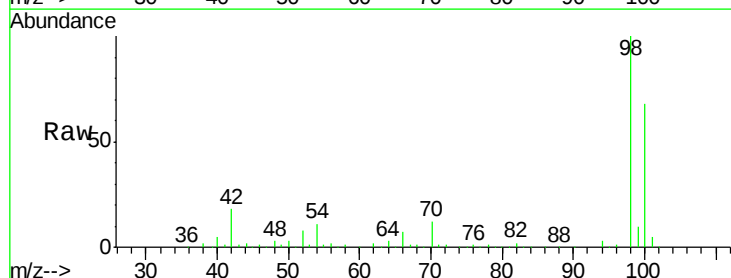
Acq: 22 Jun 2018 23:05

Tgt Ion: 98 Resp: 835729

Ion Ratio Lower Upper

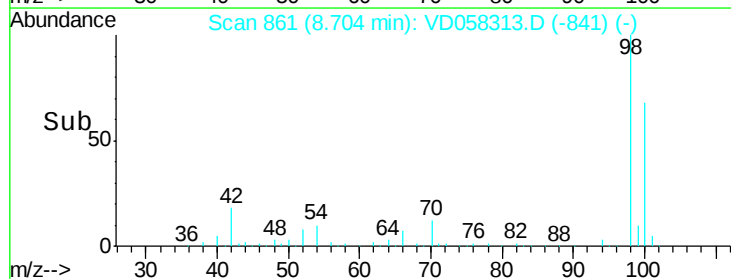
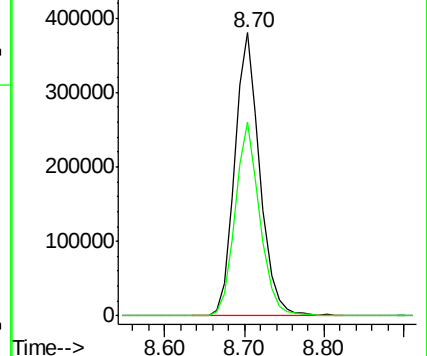
98 100

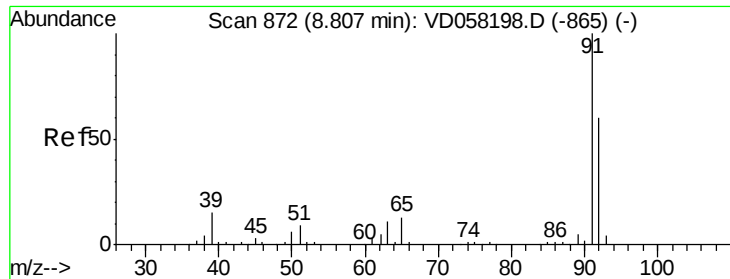
100 68.5 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 7.86 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.00 min

Lab File: VD058313.D

Acq: 22 Jun 2018 23:05

Instrument :

MSVOA_D

ClientSampleId :

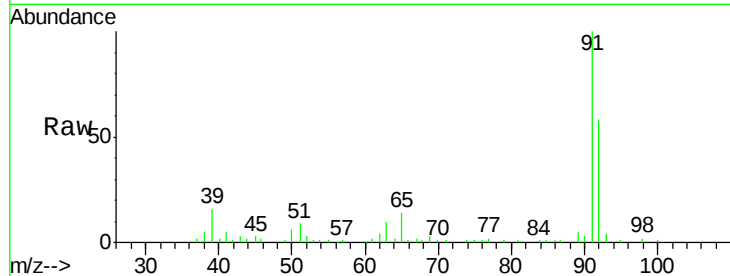
F3-58-SRI3

Tot Ion: 92 Resp: 89103

Ion Ratio Lower Upper

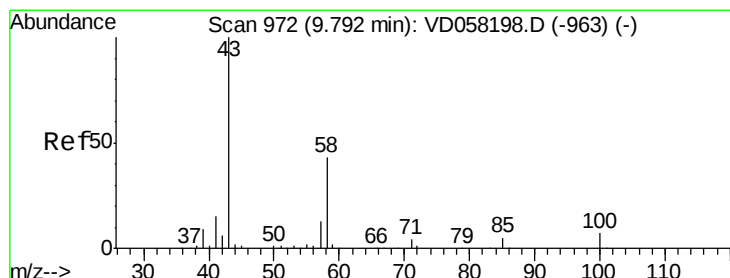
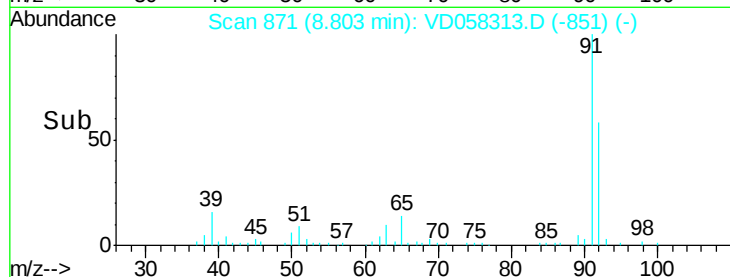
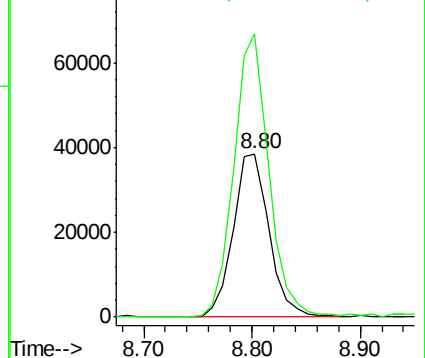
92 100

91 173.2 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#59

2-Hexanone

Concen: 163.61 ug/l

RT: 9.78 min Scan# 970

Delta R.T. -0.01 min

Lab File: VD058313.D

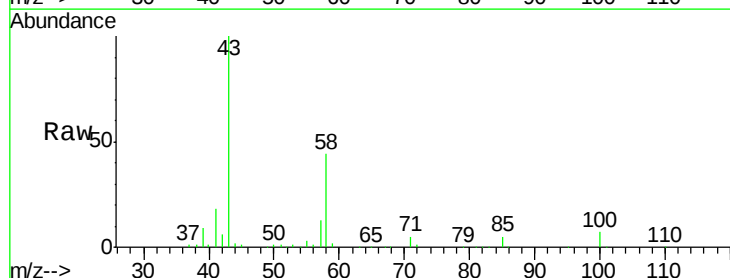
Acq: 22 Jun 2018 23:05

Tgt Ion: 43 Resp: 489370

Ion Ratio Lower Upper

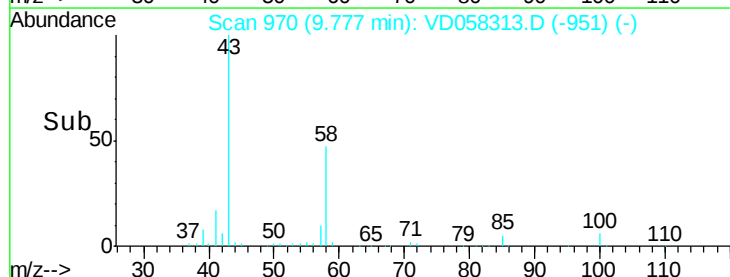
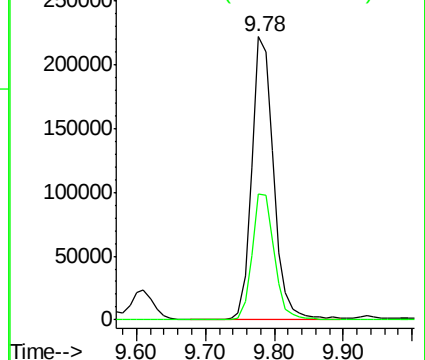
43 100

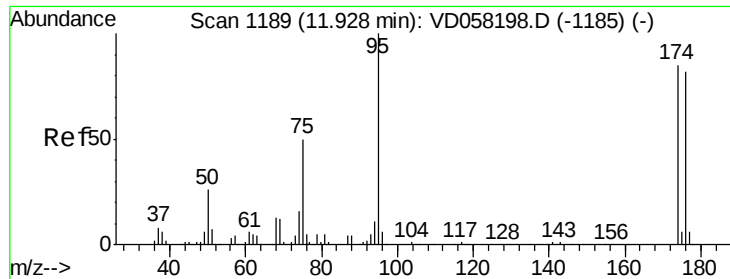
58 44.5 21.7 65.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

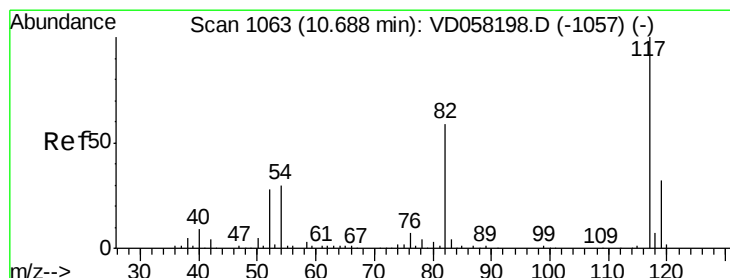
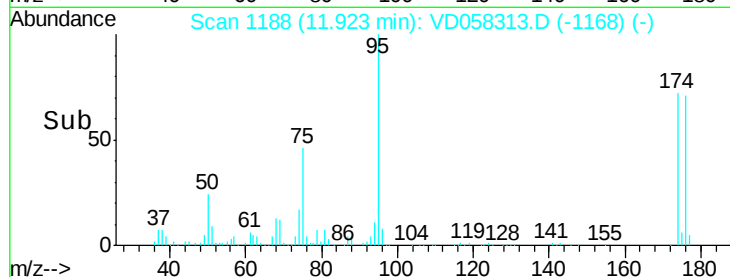
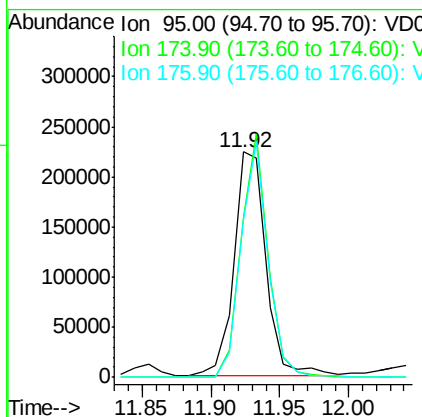
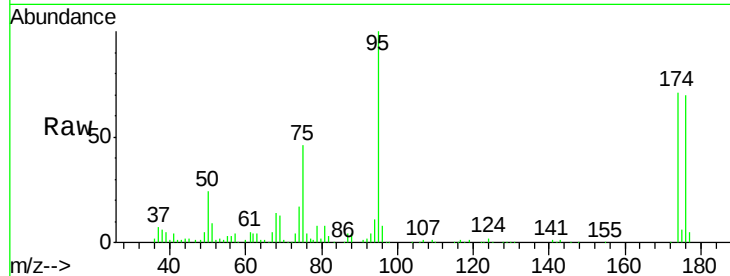




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VD058313.D
Acq: 22 Jun 2018 23:05

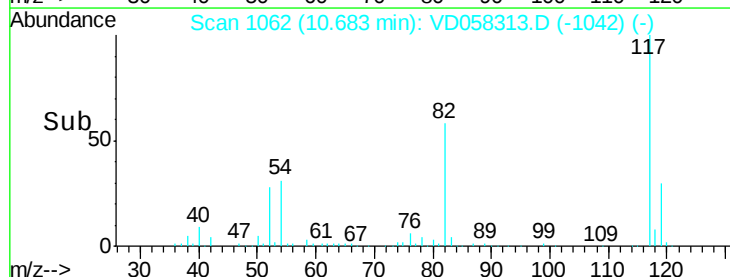
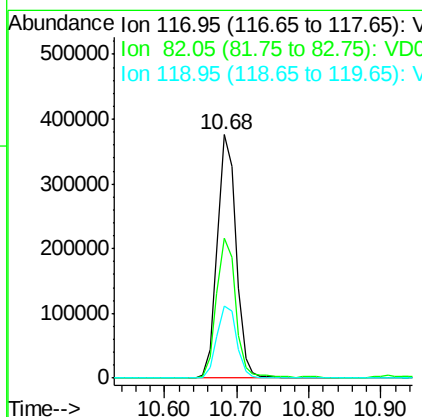
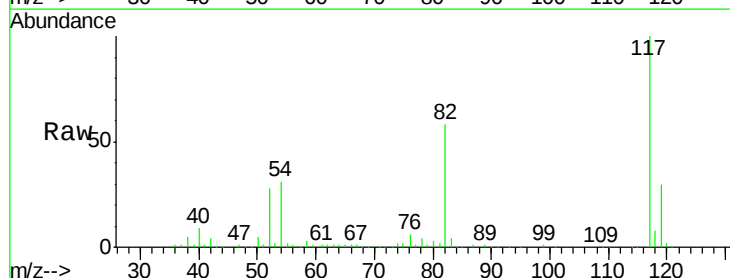
Instrument :
MSVOA_D
ClientSampleId :
F3-58-SRI3

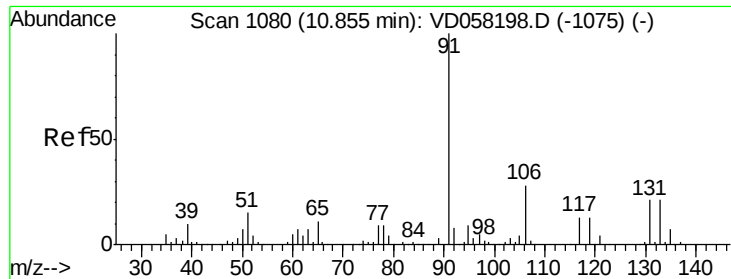
Tot Ion: 95 Resp: 363229
Ion Ratio Lower Upper
95 100
174 71.2 0.0 170.2
176 69.8 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.00 min
Lab File: VD058313.D
Acq: 22 Jun 2018 23:05

Tgt Ion: 117 Resp: 673791
Ion Ratio Lower Upper
117 100
82 57.7 47.0 70.6
119 29.7 25.3 37.9

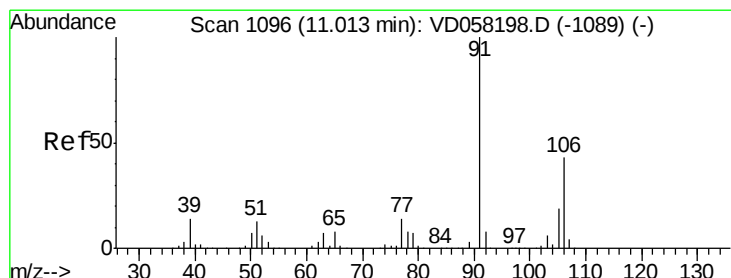
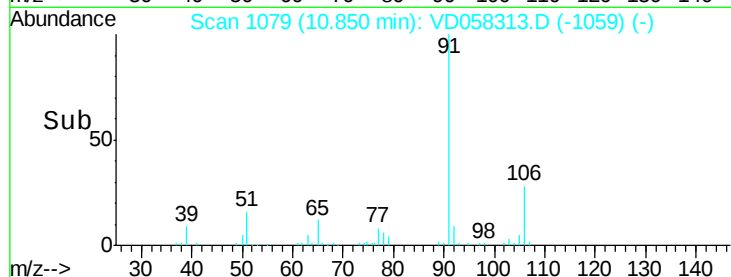
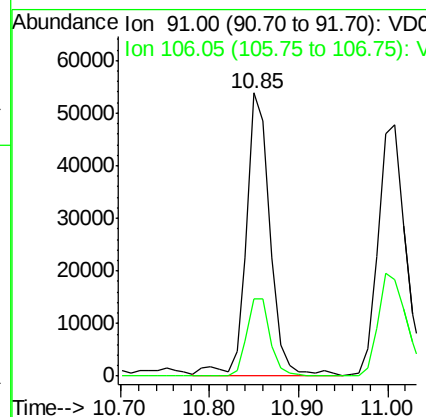
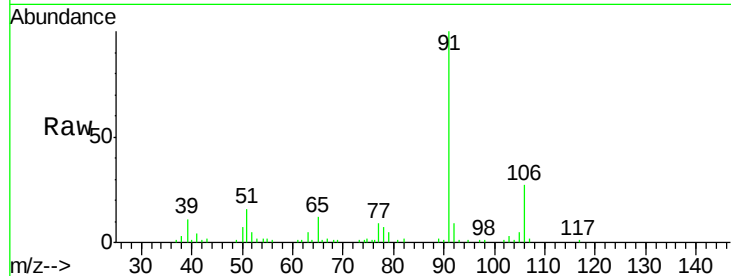




#67
Ethyl Benzene
Concen: 4.50 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD058313.D
Acq: 22 Jun 2018 23:05

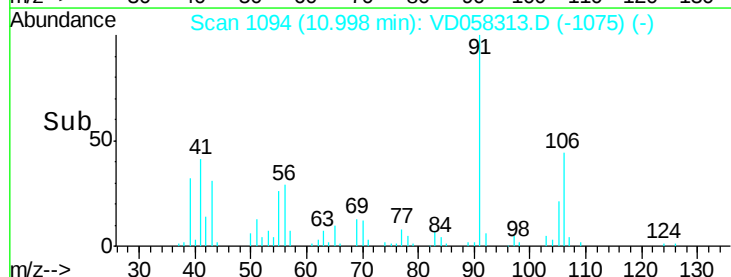
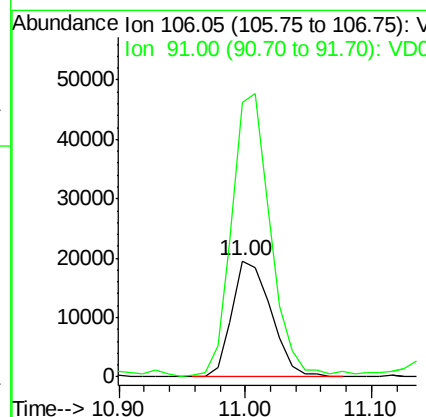
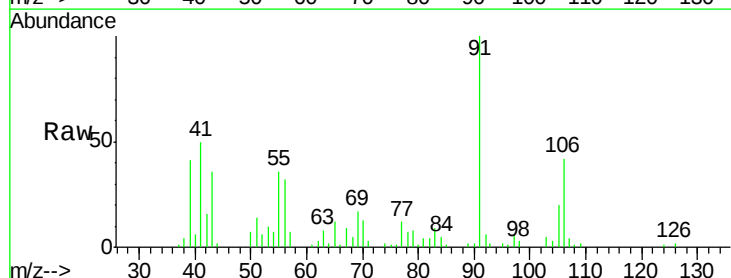
Instrument :
MSVOA_D
ClientSampled :
F3-58-SRI3

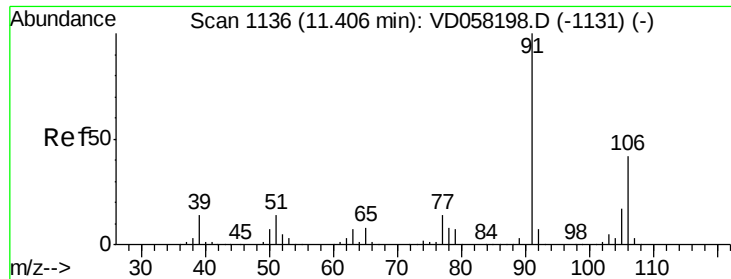
Tot Ion: 91 Resp: 100032
Ion Ratio Lower Upper
91 100
106 27.4 22.0 33.0



#68
m/p-Xylenes
Concen: 5.65 ug/l
RT: 11.00 min Scan# 1094
Delta R.T. -0.01 min
Lab File: VD058313.D
Acq: 22 Jun 2018 23:05

Tgt Ion: 106 Resp: 41889
Ion Ratio Lower Upper
106 100
91 235.7 185.0 277.6

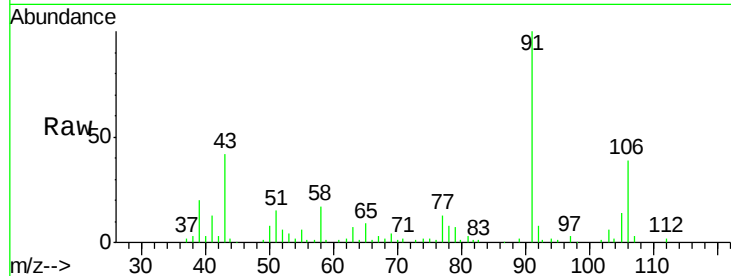




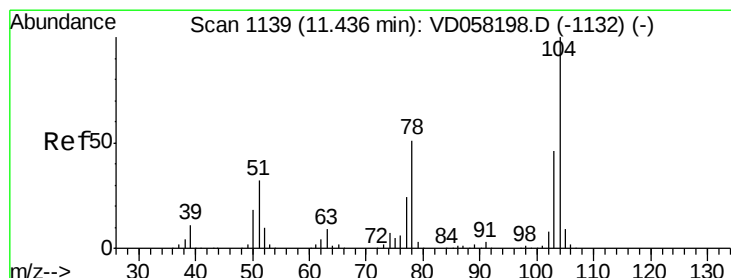
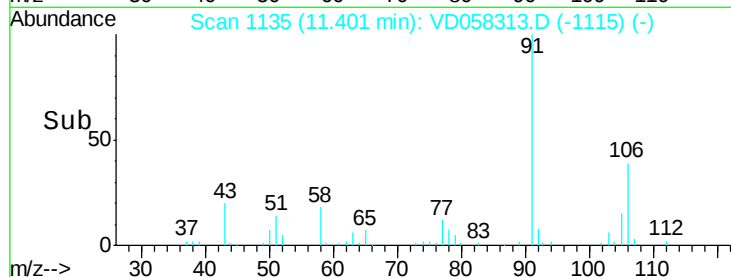
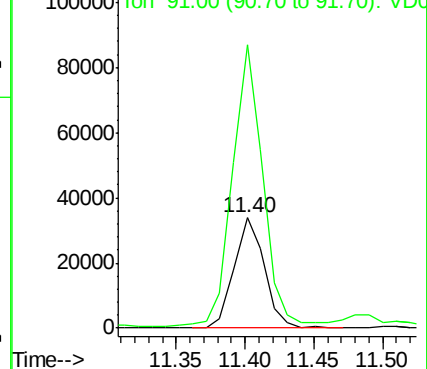
#69
o-Xylene
Concen: 7.28 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VD058313.D
Acq: 22 Jun 2018 23:05

Instrument :
MSVOA_D
ClientSampleId :
F3-58-SRI3

Tot Ion:106 Resp: 51613
Ion Ratio Lower Upper
106 100
91 256.3 120.2 360.6

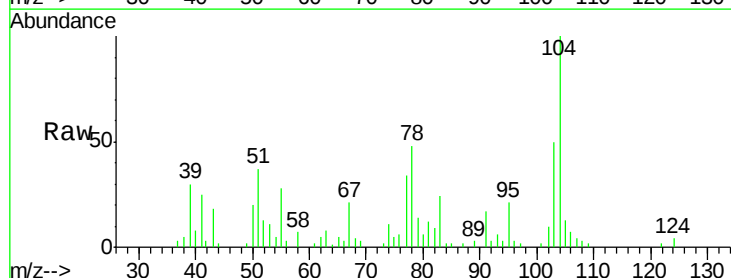


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

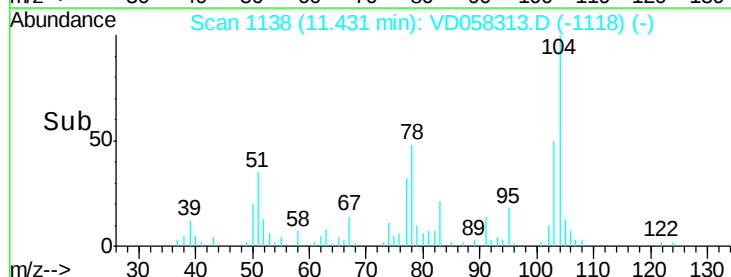
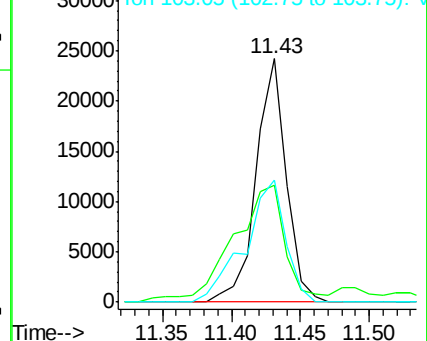


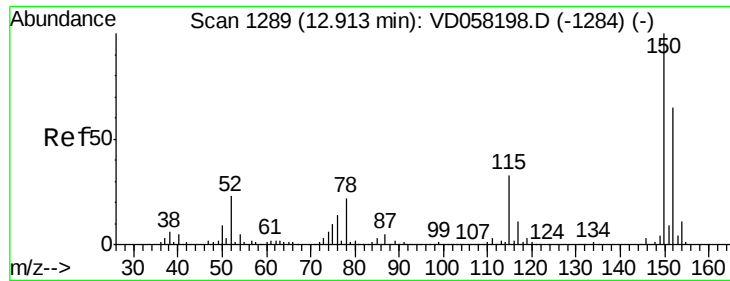
#70
Styrene
Concen: 3.06 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VD058313.D
Acq: 22 Jun 2018 23:05

Tgt Ion:104 Resp: 37001
Ion Ratio Lower Upper
104 100
78 47.9 40.8 61.2
103 50.2 37.0 55.6



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD058313.D

Acq: 22 Jun 2018 23:05

Instrument :

MSVOA_D

ClientSampleId :

F3-58-SRI3

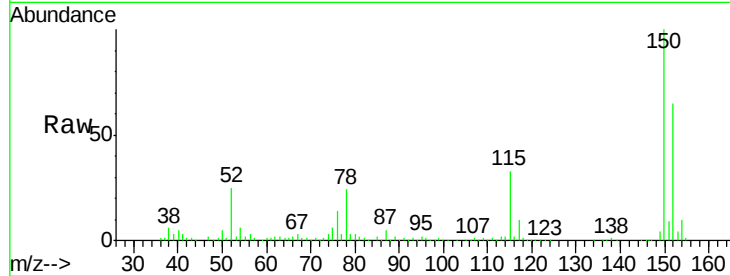
Tot Ion:152 Resp: 343885

Ion Ratio Lower Upper

152 100

115 51.2 25.1 75.3

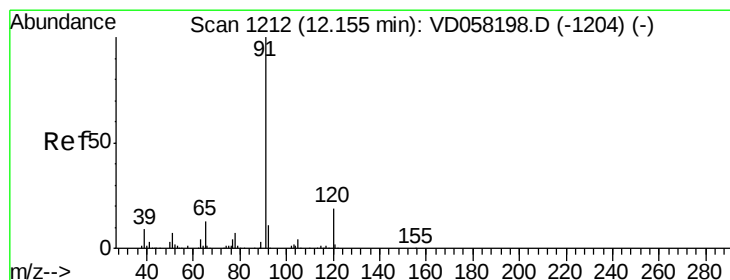
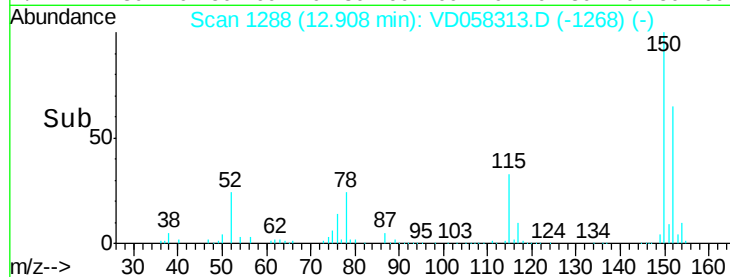
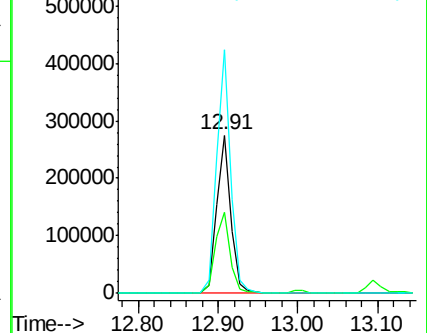
150 153.6 0.0 308.8



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



#78

n-propylbenzene

Concen: 4.45 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VD058313.D

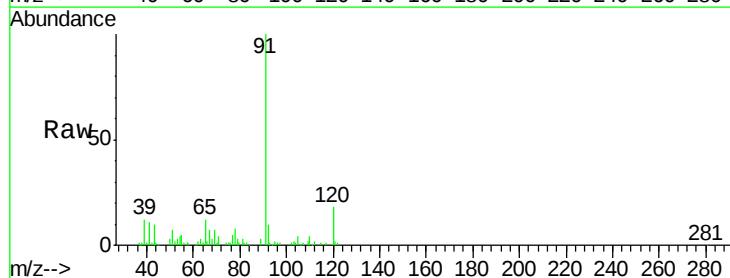
Acq: 22 Jun 2018 23:05

Tgt Ion: 91 Resp: 118281

Ion Ratio Lower Upper

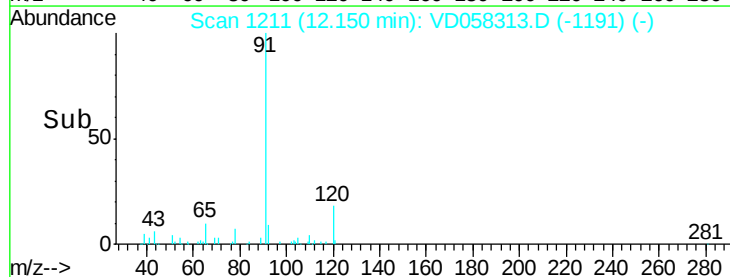
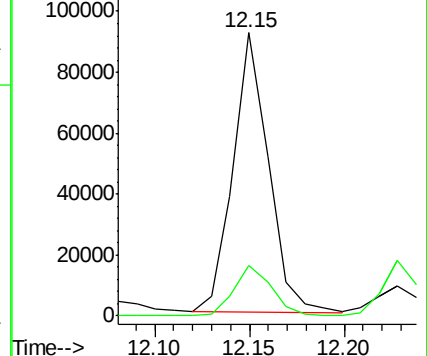
91 100

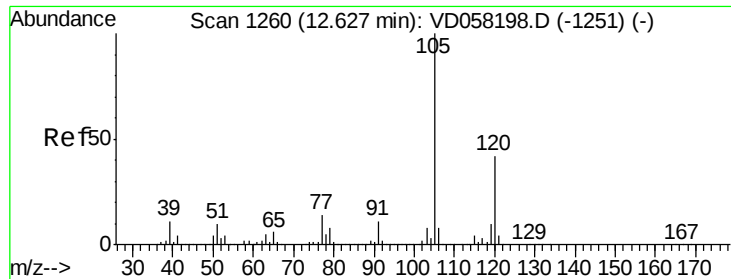
120 17.6 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

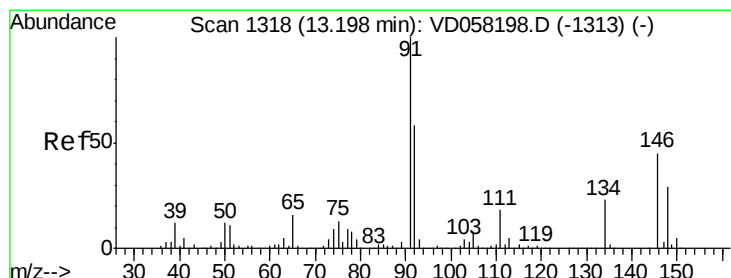
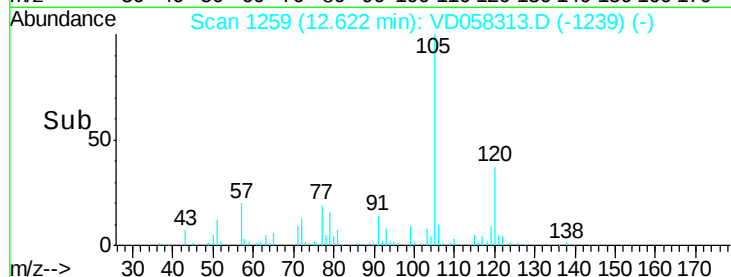
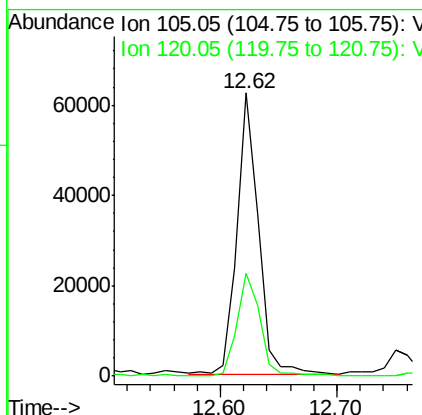
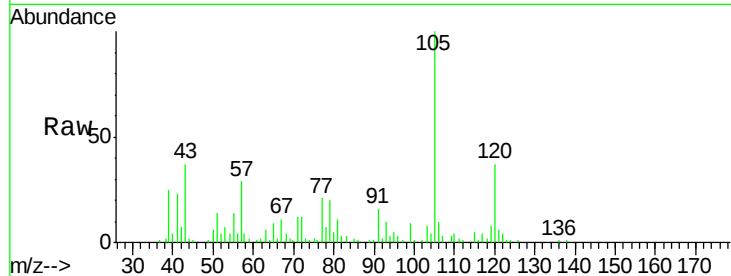




#84
 1,2,4-Trimethylbenzene
 Concen: 4.53 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VD058313.D
 Acq: 22 Jun 2018 23:05

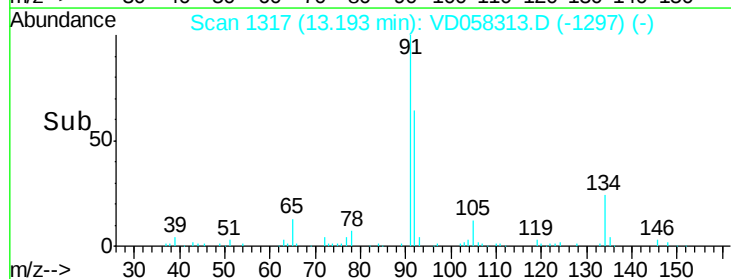
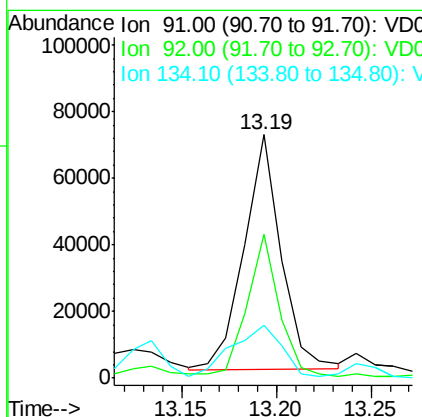
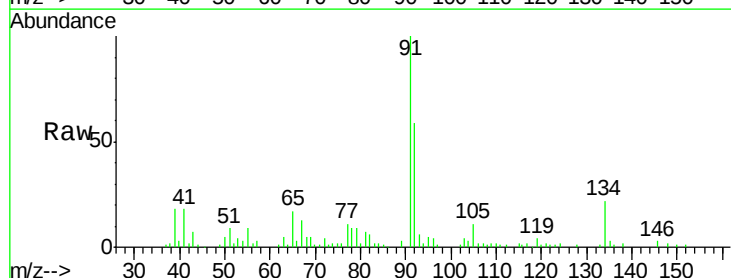
Instrument :
 MSVOA_D
 ClientSampleId :
 F3-58-SRI3

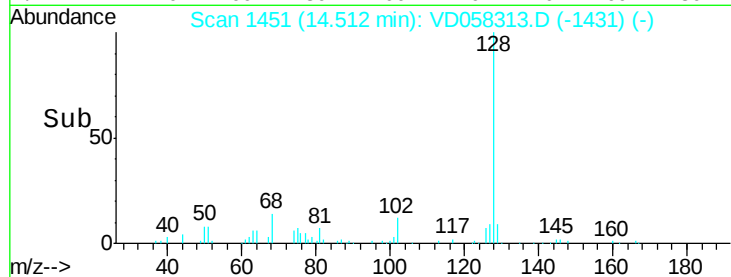
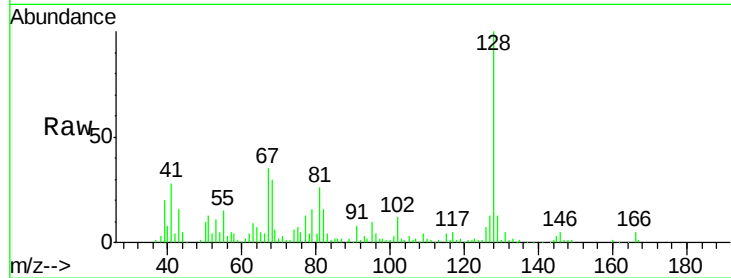
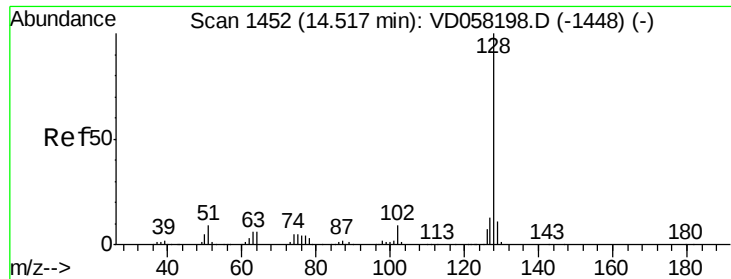
Tot Ion:105 Resp: 78992
 Ion Ratio Lower Upper
 105 100
 120 36.5 20.8 62.4



#89
 n-Butylbenzene
 Concen: 5.22 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD058313.D
 Acq: 22 Jun 2018 23:05

Tgt Ion: 91 Resp: 96176
 Ion Ratio Lower Upper
 91 100
 92 59.1 29.2 87.6
 134 22.0 11.3 33.8





#95

Naphthalene

Concen: 13.61 ug/l

RT: 14.51 min Scan# 1451

Delta R.T. -0.00 min

Lab File: VD058313.D

Acq: 22 Jun 2018 23:05

Instrument :

MSVOA_D

ClientSampleId :

F3-58-SRI3

Tot Ion:128 Resp: 156214

Ion Ratio Lower Upper

128 100

127 13.2 10.0 15.0

129 12.8 8.7 13.1

