

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041019\
 Data File : VD061721.D
 Acq On : 10 Apr 2019 19:01
 Operator : VA/AP
 Sample : K2316-09RE
 Misc : 5.04g/5ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20190177-AMND-COMP-CS-4RE

Quant Time: Apr 11 02:51:48 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	7.06	168	488234	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	818581	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	620061	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	208291	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	216932	58.62	ug/l	0.01
Spiked Amount	50.000		Recovery	=	117.24%	
35) Dibromofluoromethane	6.93	113	13353	2.35	ug/l	0.01
Spiked Amount	50.000		Recovery	=	4.70%	
50) Toluene-d8	10.42	98	691180	48.51	ug/l	0.01
Spiked Amount	50.000		Recovery	=	97.02%	
62) 4-Bromofluorobenzene	13.56	95	262233	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	

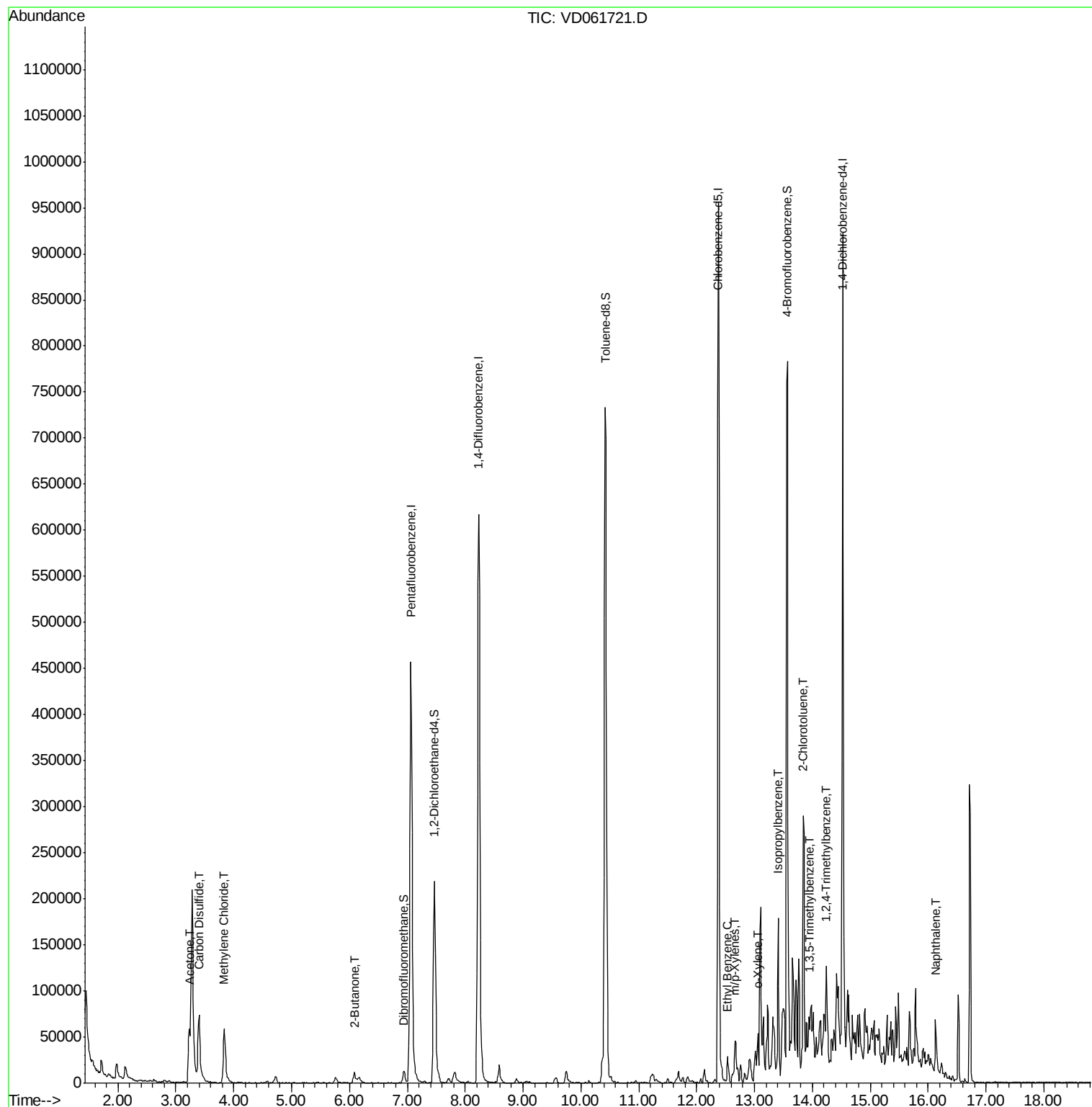
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	112904	102.057	ug/l	98
17) Carbon Disulfide	3.40	76	148356	8.970	ug/l	97
20) Methylene Chloride	3.83	84	46795	7.454	ug/l	94
25) 2-Butanone	6.09	43	25933	20.334	ug/l	98
67) Ethyl Benzene	12.54	91	19091	1.020	ug/l	98
68) m/p-Xylenes	12.67	106	13662	1.893	ug/l	81
69) o-Xylene	13.06	106	11284	1.619	ug/l	98
73) Isopropylbenzene	13.41	105	99104	7.141	ug/l	98
79) 2-Chlorotoluene	13.84	91	133458	14.057	ug/l	92
80) 1,3,5-Trimethylbenzene	13.94	105	17666	1.604	ug/l	100
84) 1,2,4-Trimethylbenzene	14.25	105	33643	3.026	ug/l	98
95) Naphthalene	16.13	128	37008	8.034	ug/l	99

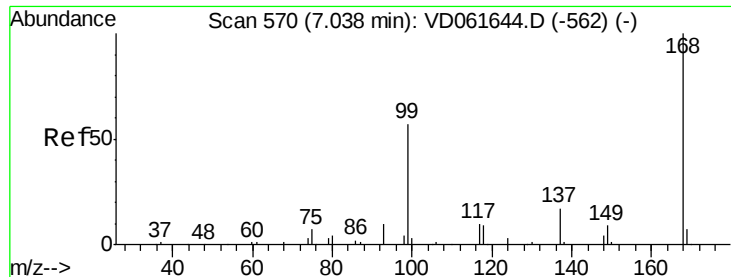
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD061721.D

Acq: 10 Apr 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

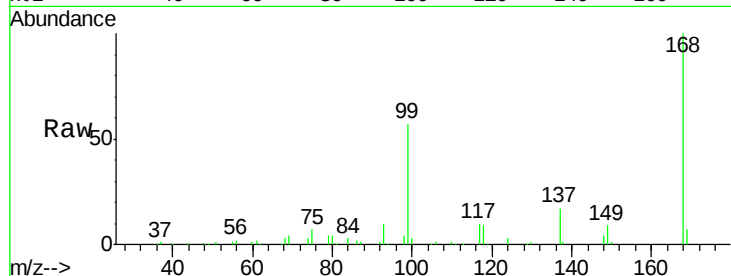
20190177-AMND-COMP-CS-4RE

Tgt Ion:168 Resp: 488234

Ion Ratio Lower Upper

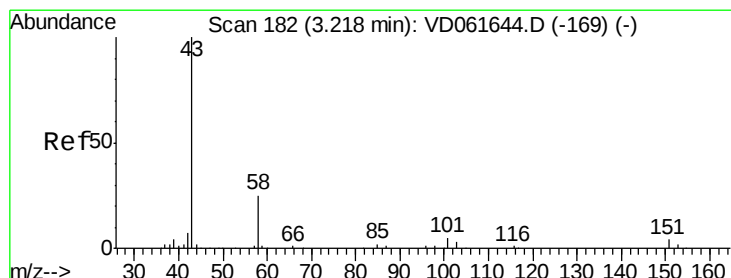
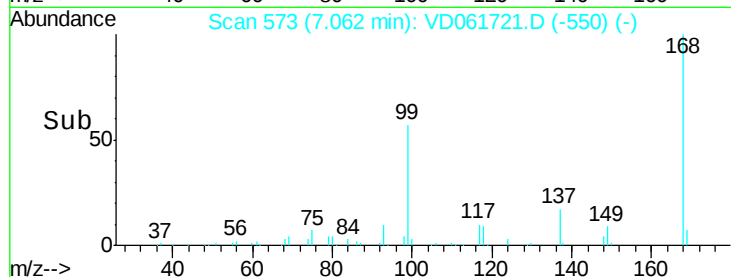
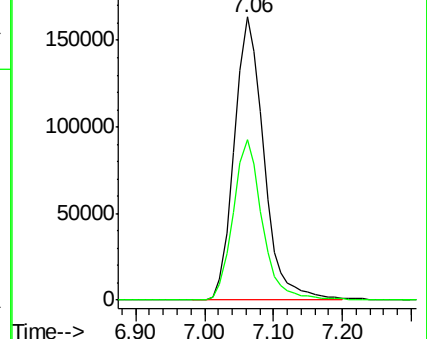
168 100

99 56.7 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 102.057 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD061721.D

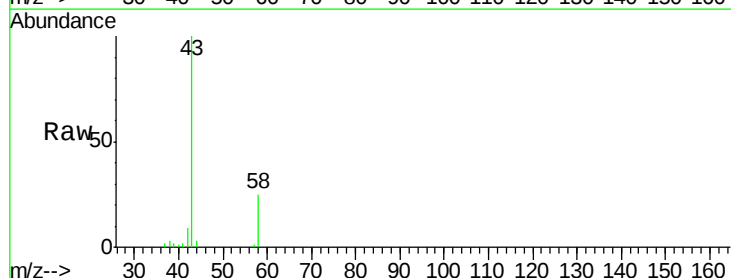
Acq: 10 Apr 2019 19:01

Tgt Ion: 43 Resp: 112904

Ion Ratio Lower Upper

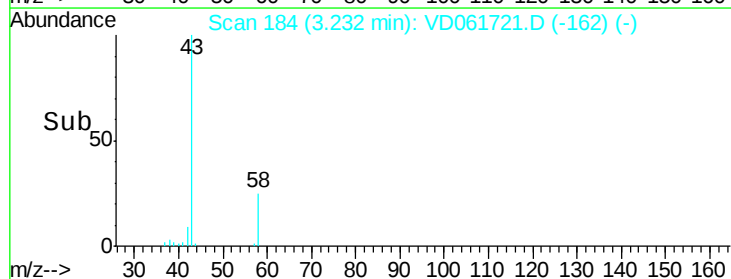
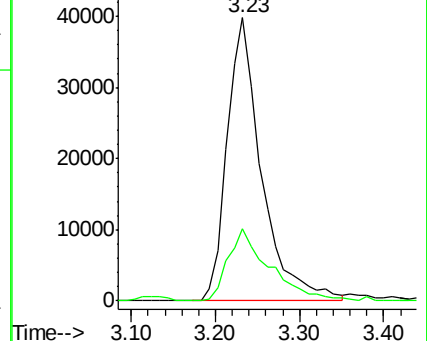
43 100

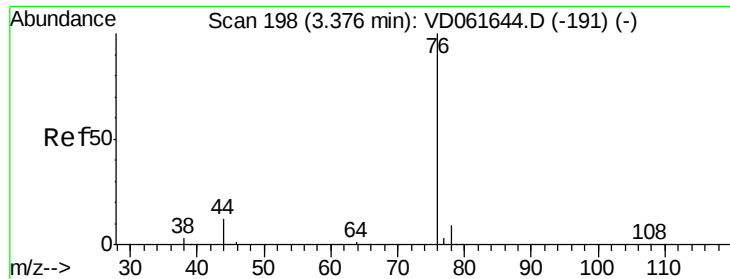
58 25.5 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 8.970 ug/l

RT: 3.40 min Scan# 201

Delta R.T. 0.02 min

Lab File: VD061721.D

Acq: 10 Apr 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

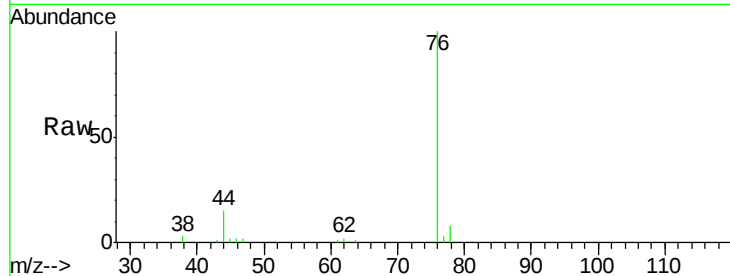
20190177-AMND-COMP-CS-4RE

Tgt Ion: 76 Resp: 148356

Ion Ratio Lower Upper

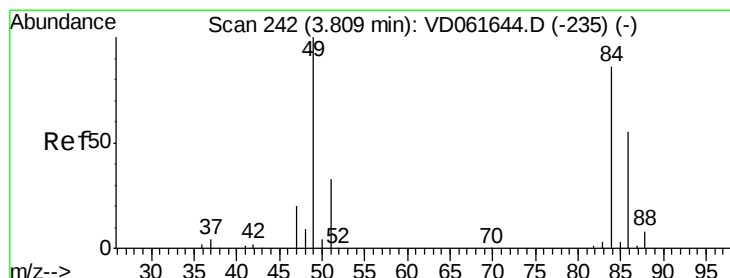
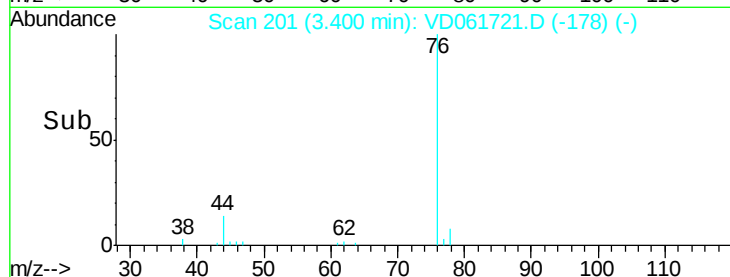
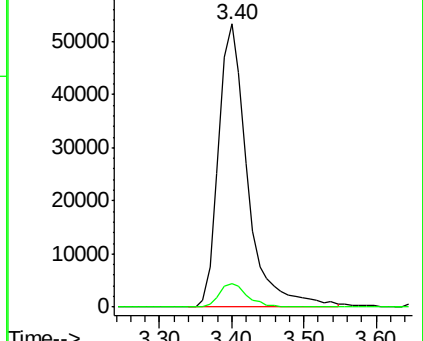
76 100

78 8.2 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#20

Methylene Chloride

Concen: 7.454 ug/l

RT: 3.83 min Scan# 245

Delta R.T. 0.02 min

Lab File: VD061721.D

Acq: 10 Apr 2019 19:01

Tgt Ion: 84 Resp: 46795

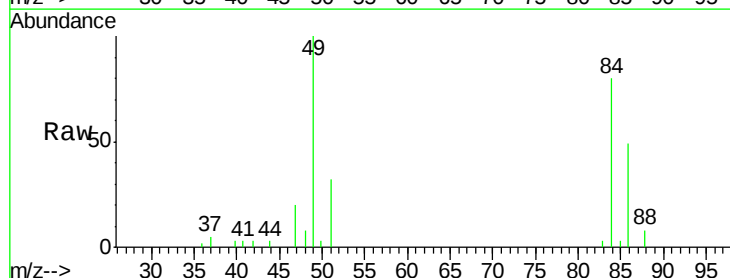
Ion Ratio Lower Upper

84 100

49 125.6 93.0 139.4

51 40.7 30.4 45.6

86 61.3 51.0 76.4

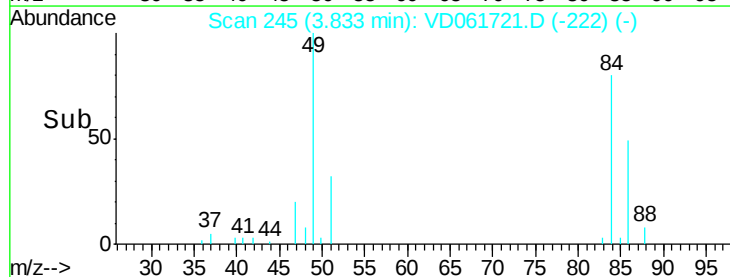
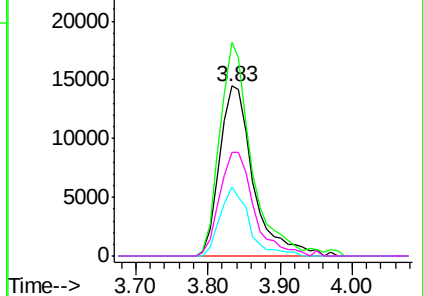


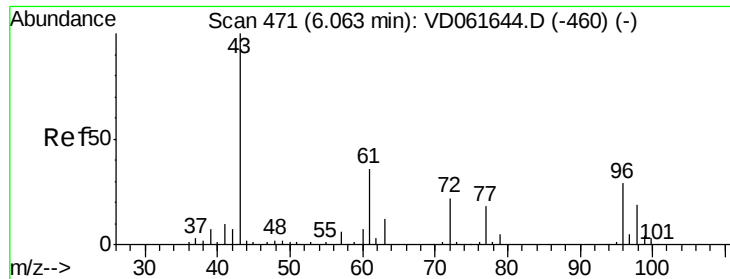
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#25

2-Butanone

Concen: 20.334 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.02 min

Lab File: VD061721.D

Acq: 10 Apr 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

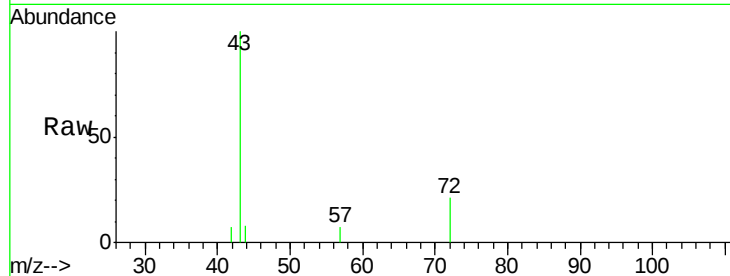
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Tgt Ion: 43 Resp: 25933

Ion Ratio Lower Upper

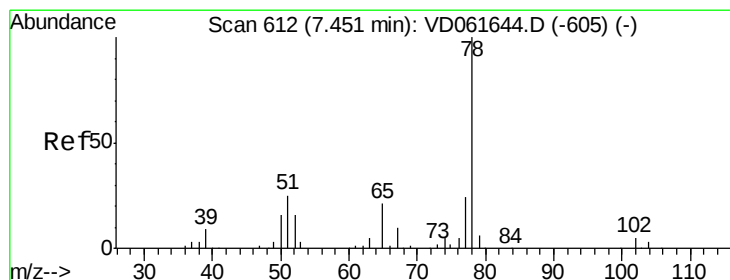
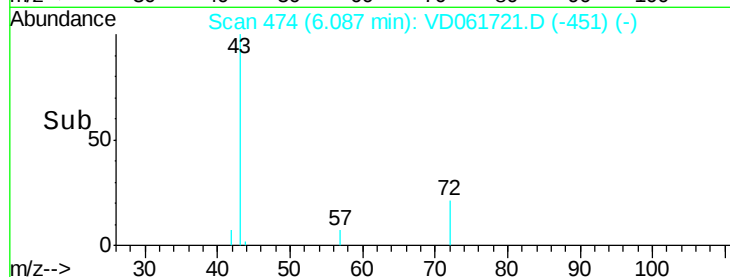
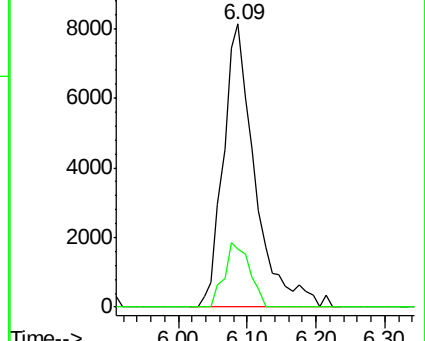
43 100

72 20.7 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 58.618 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061721.D

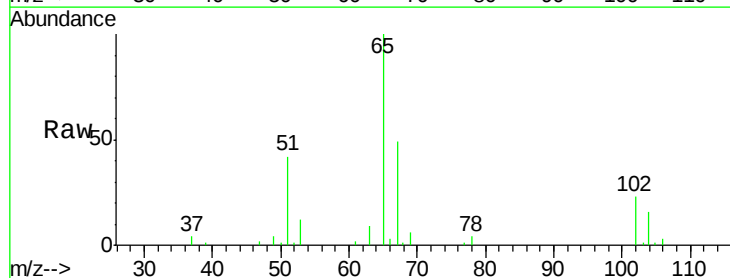
Acq: 10 Apr 2019 19:01

Tgt Ion: 65 Resp: 216932

Ion Ratio Lower Upper

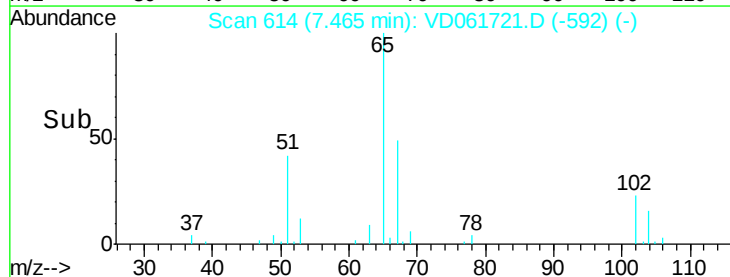
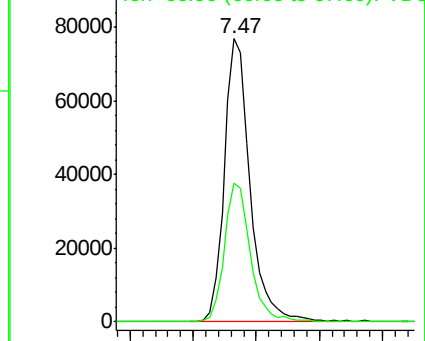
65 100

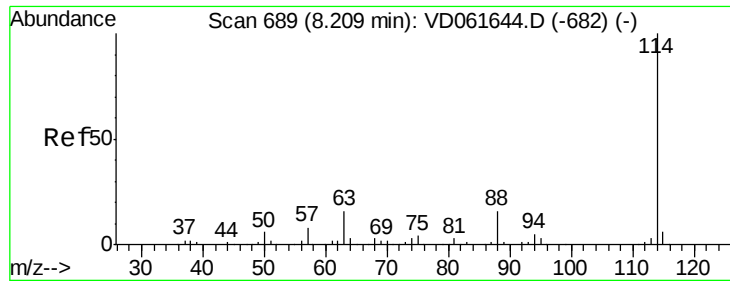
67 48.8 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

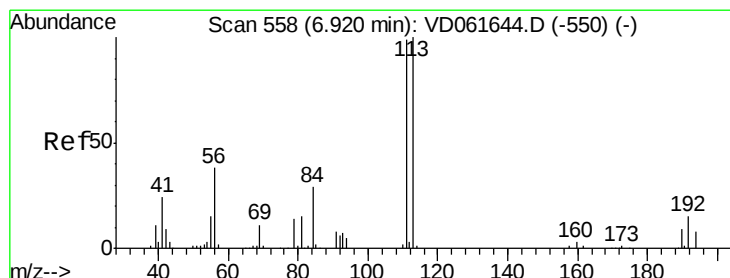
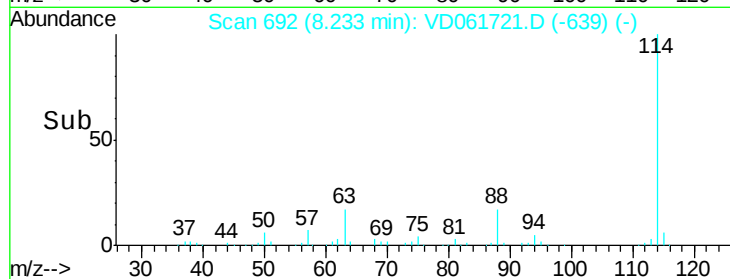
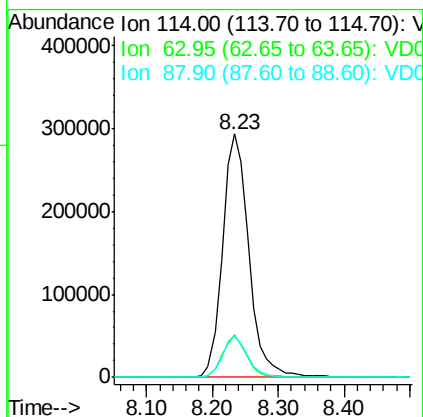
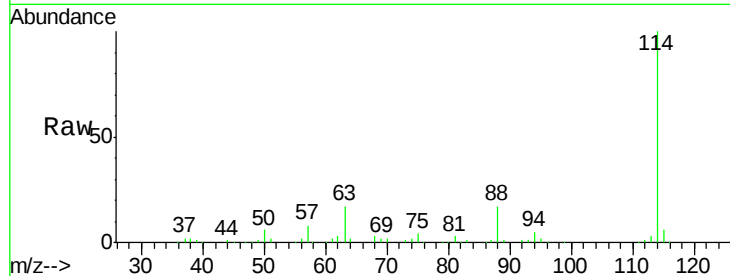




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.02 min
 Lab File: VD061721.D
 Acq: 10 Apr 2019 19:01

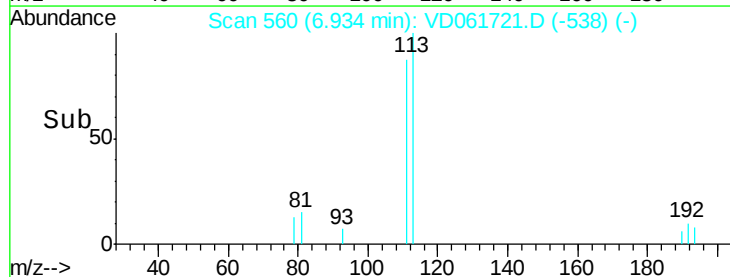
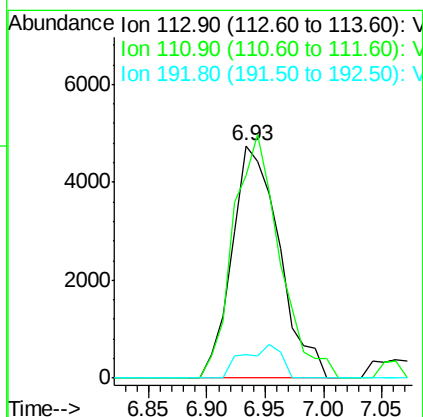
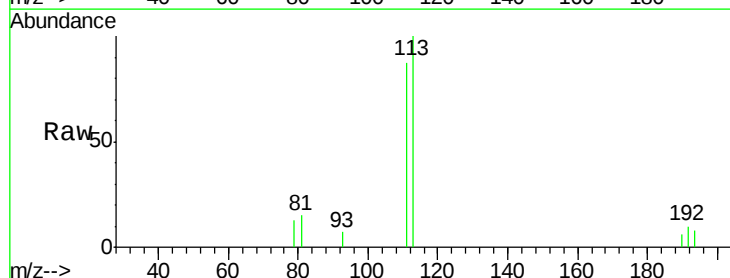
Instrument :
 MSVOA_D
 ClientSampleId :
 20190177-AMND-COMP-CS-4RE

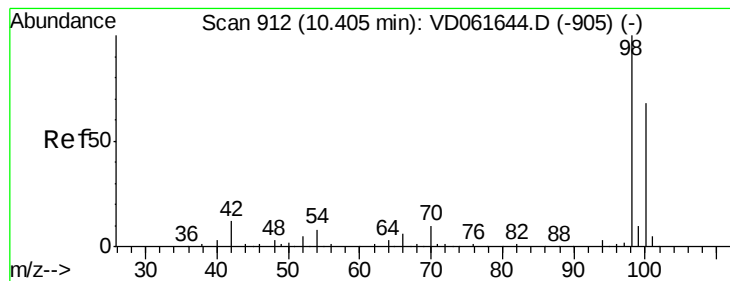
Tgt Ion:114 Resp: 818581
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 31.2
 88 17.1 0.0 31.8



#35
 Dibromofluoromethane
 Concen: 2.355 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD061721.D
 Acq: 10 Apr 2019 19:01

Tgt Ion:113 Resp: 13353
 Ion Ratio Lower Upper
 113 100
 111 87.3 79.3 118.9
 192 10.2 12.3 18.5#





#50

Toluene-d8

Concen: 48.512 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.01 min

Lab File: VD061721.D

Acq: 10 Apr 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

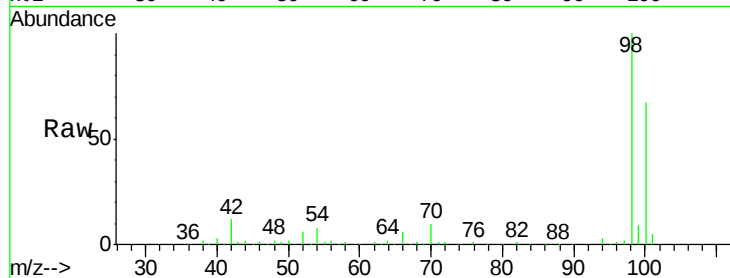
20190177-AMND-COMP-CS-4RE

Tgt Ion: 98 Resp: 691180

Ion Ratio Lower Upper

98 100

100 67.3 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VD061644.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD061644.D (-905) (-)

10.42

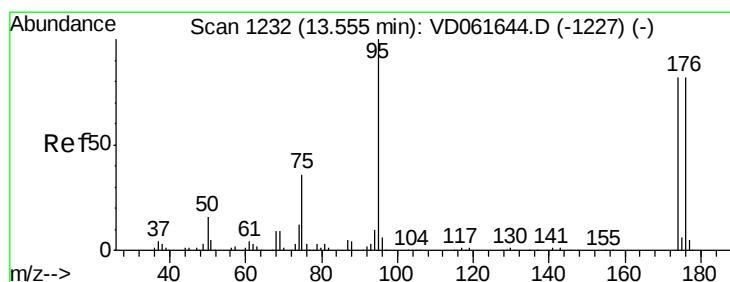
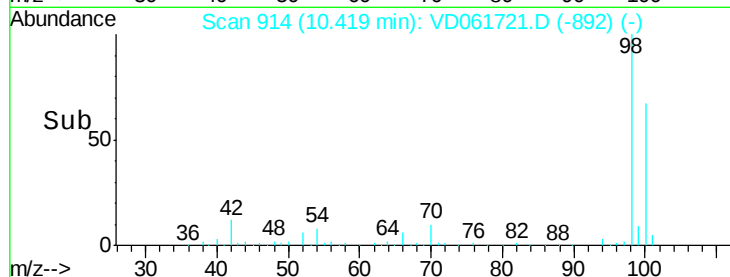
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.027 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD061721.D

Acq: 10 Apr 2019 19:01

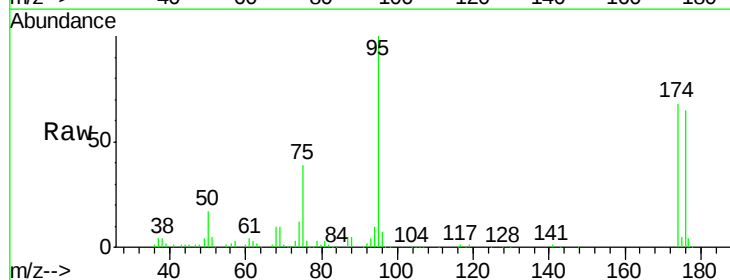
Tgt Ion: 95 Resp: 262233

Ion Ratio Lower Upper

95 100

174 67.6 0.0 164.6

176 65.4 0.0 165.0



Abundance Ion 95.00 (94.70 to 95.70): VD061644.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD061644.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD061644.D (-1227) (-)

200000

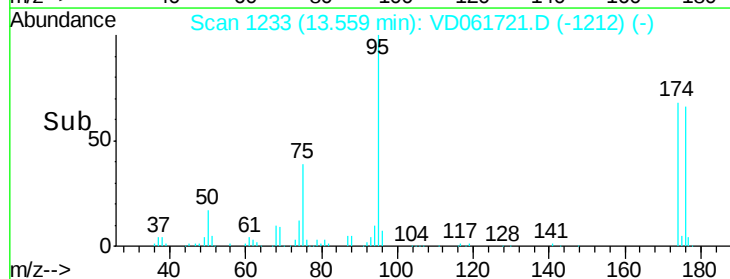
150000

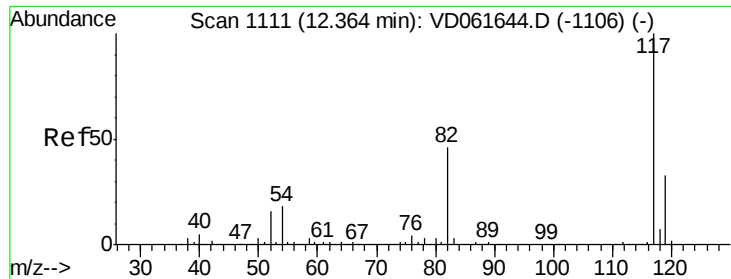
100000

50000

0

Time-->

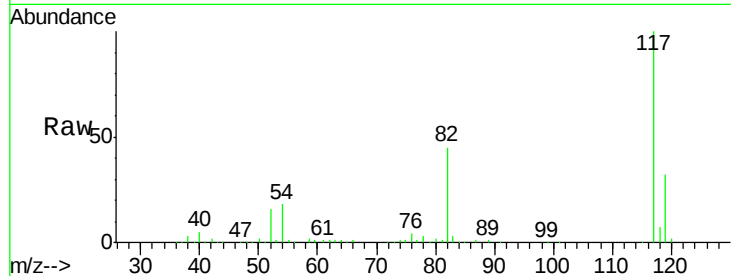




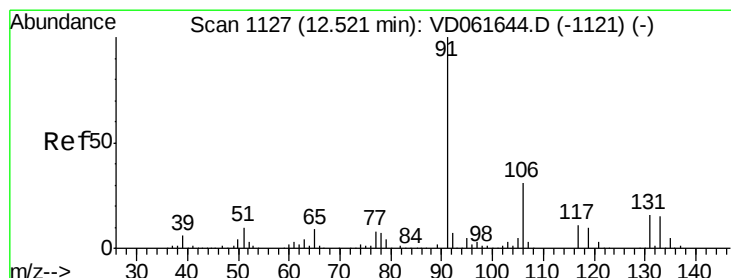
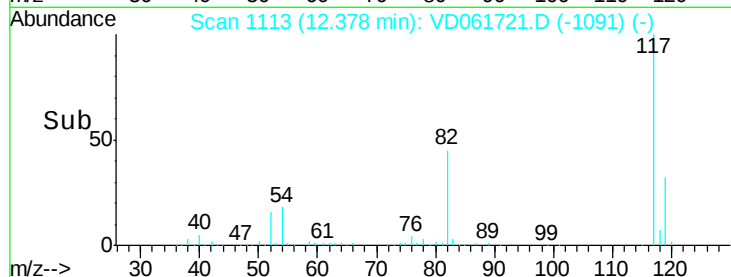
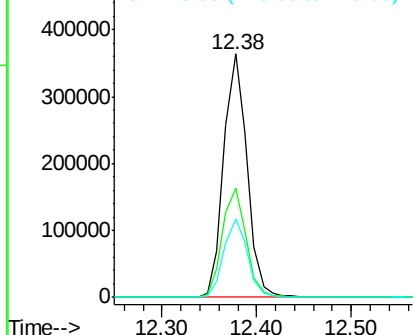
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD061721.D
Acq: 10 Apr 2019 19:01

Instrument :
MSVOA_D
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20190177-AMND-COMP-CS-4RE

Tgt Ion: 117 Resp: 620061
Ion Ratio Lower Upper
117 100
82 44.8 36.8 55.2
119 32.2 26.1 39.1

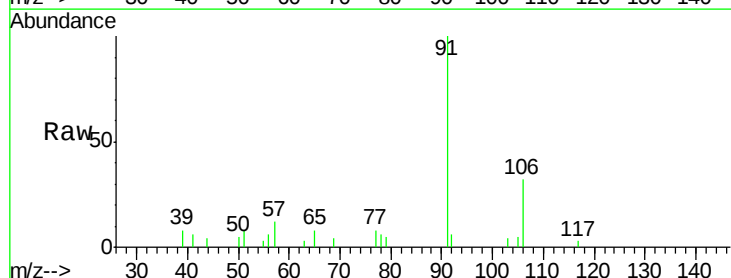


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

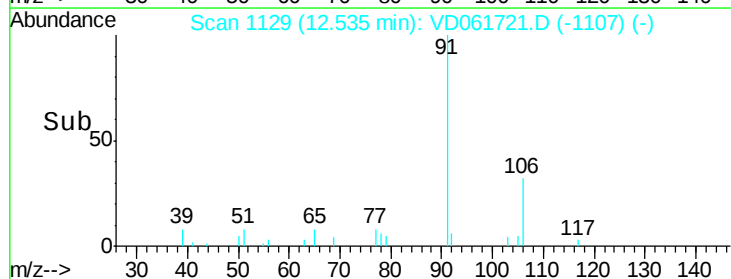
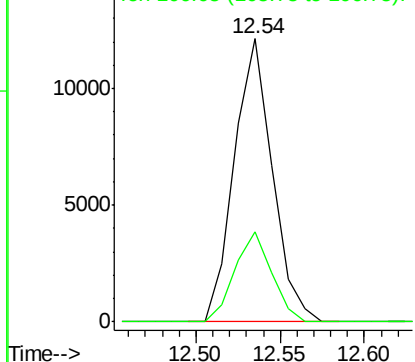


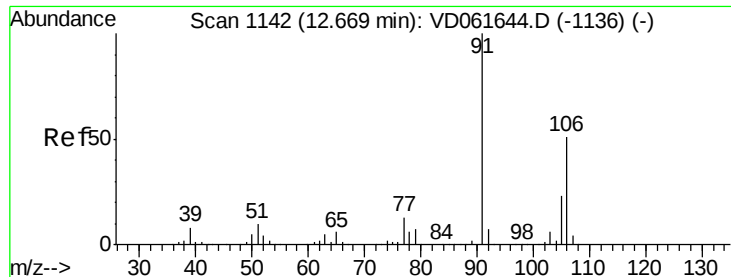
#67
Ethyl Benzene
Concen: 1.020 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD061721.D
Acq: 10 Apr 2019 19:01

Tgt Ion: 91 Resp: 19091
Ion Ratio Lower Upper
91 100
106 31.9 24.6 37.0



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

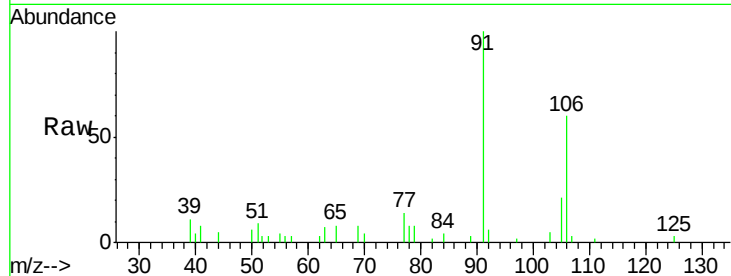




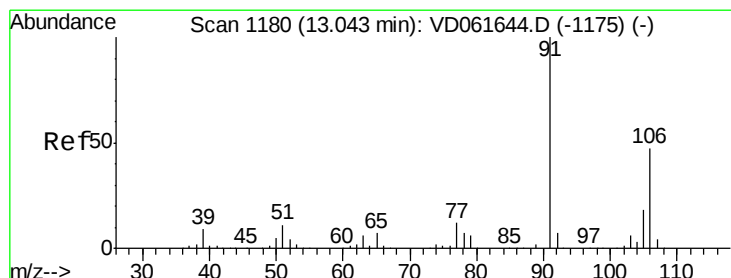
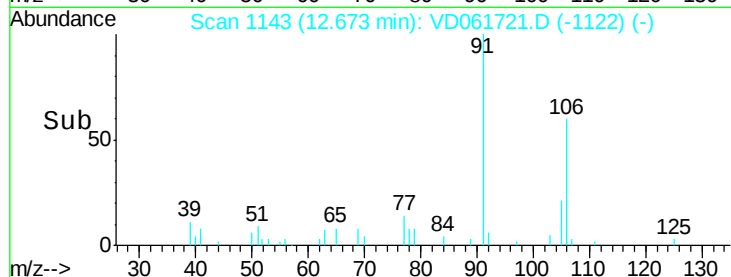
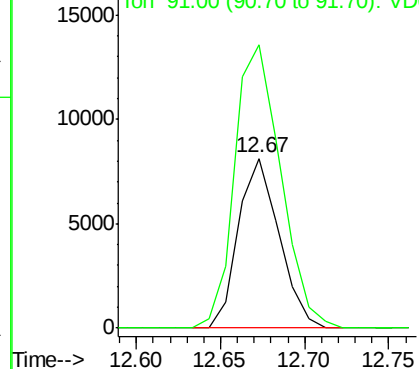
#68
m/p-Xylenes
Concen: 1.893 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VD061721.D
Acq: 10 Apr 2019 19:01

Instrument :
MSVOA_D
ClientSampleId :
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Tgt Ion:106 Resp: 13662
Ion Ratio Lower Upper
106 100
91 167.0 156.7 235.1

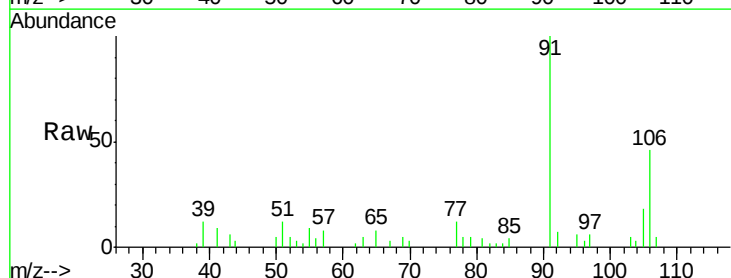


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

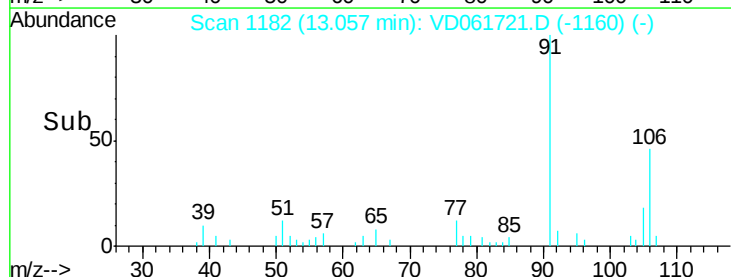
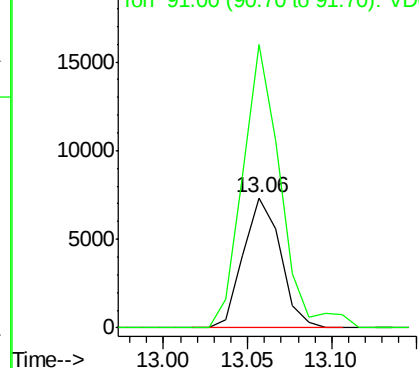


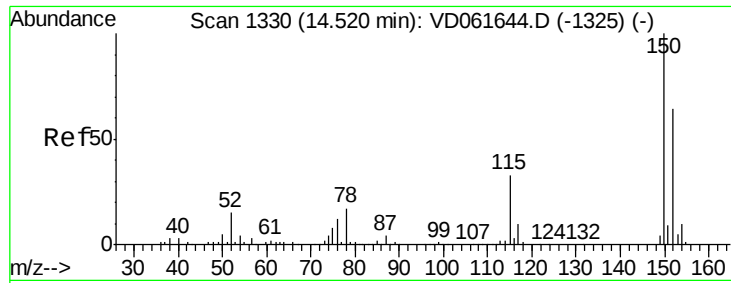
#69
o-Xylene
Concen: 1.619 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD061721.D
Acq: 10 Apr 2019 19:01

Tgt Ion:106 Resp: 11284
Ion Ratio Lower Upper
106 100
91 217.9 107.3 321.9



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD061721.D

Acq: 10 Apr 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

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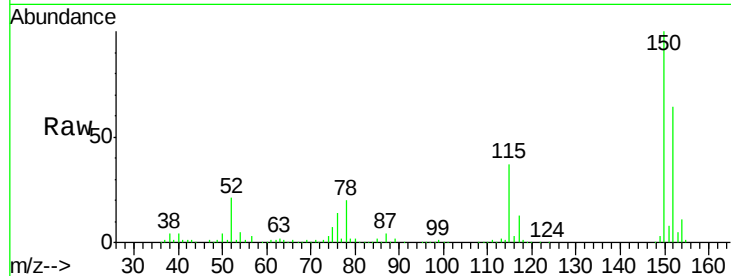
Tgt Ion:152 Resp: 208291

Ion Ratio Lower Upper

152 100

115 58.0 26.4 79.2

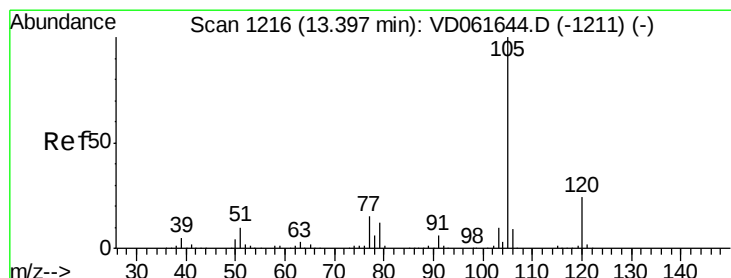
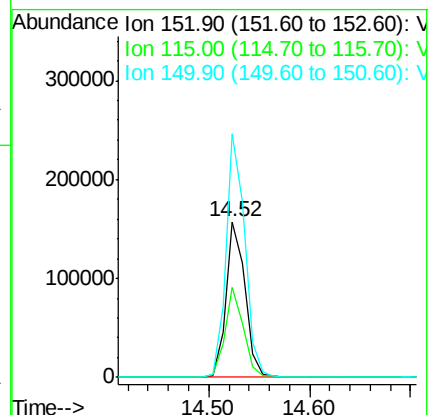
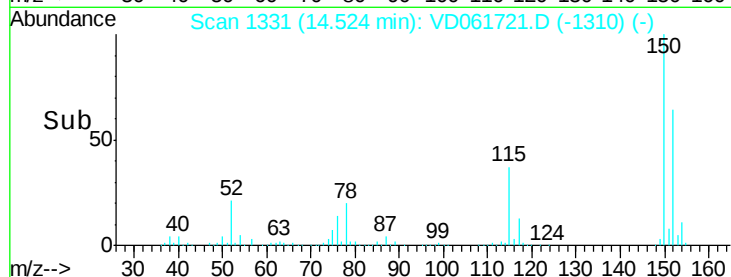
150 156.4 0.0 320.6



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: 7.141 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061721.D

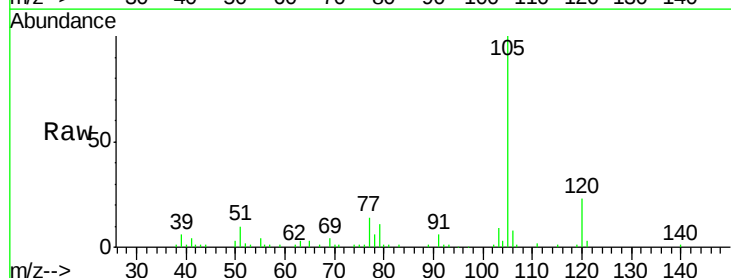
Acq: 10 Apr 2019 19:01

Tgt Ion:105 Resp: 99104

Ion Ratio Lower Upper

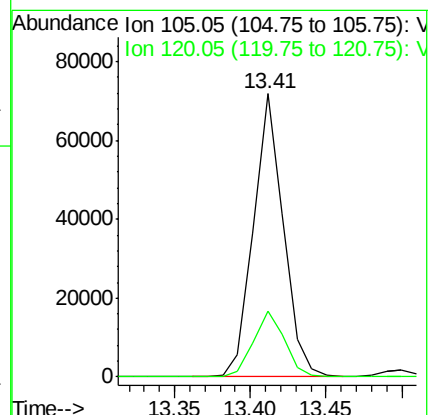
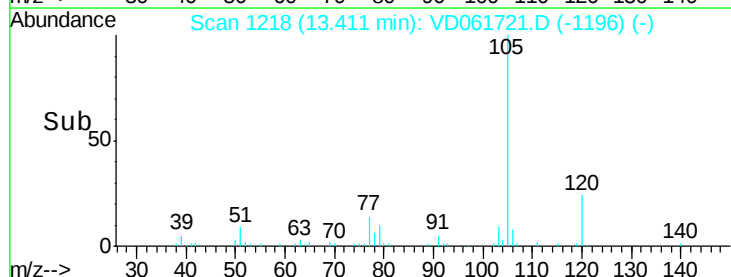
105 100

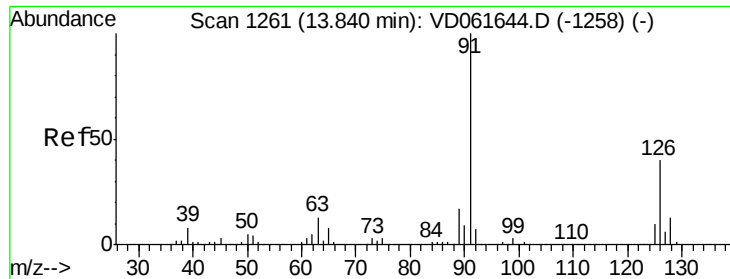
120 23.3 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 14.057 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VD061721.D

Acq: 10 Apr 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

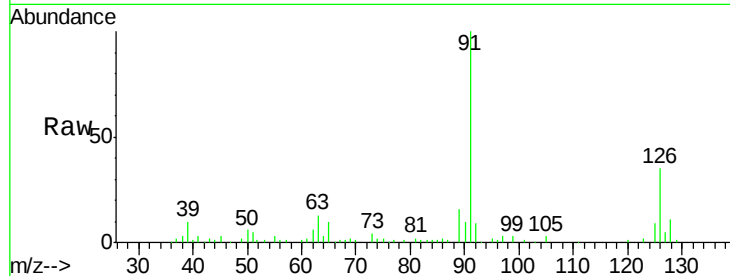
20190177-AMND-COMP-CS-4RE

Tgt Ion: 91 Resp: 133458

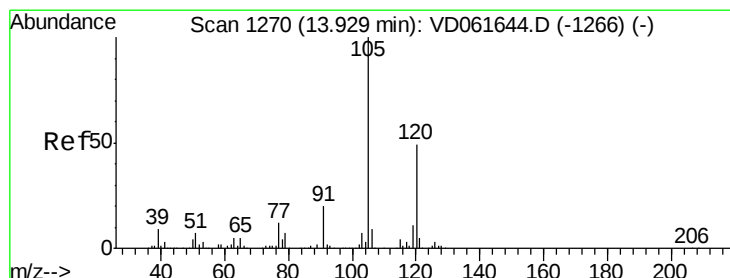
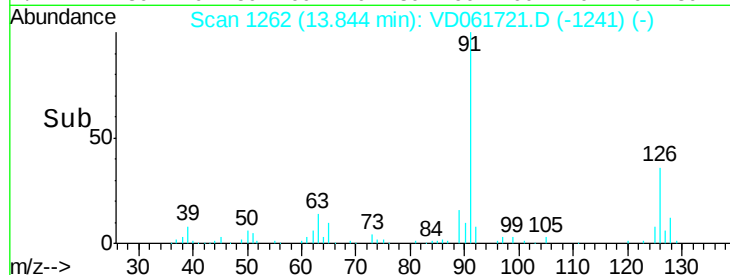
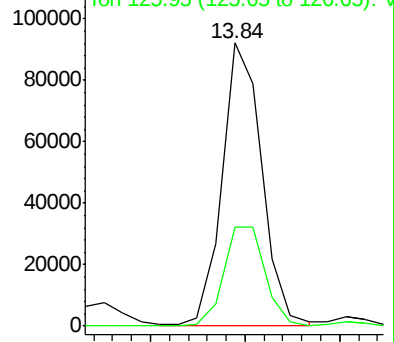
Ion Ratio Lower Upper

91 100

126 35.2 20.0 59.9



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 1.604 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD061721.D

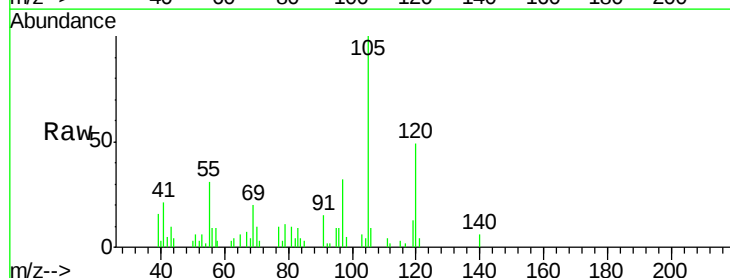
Acq: 10 Apr 2019 19:01

Tgt Ion: 105 Resp: 17666

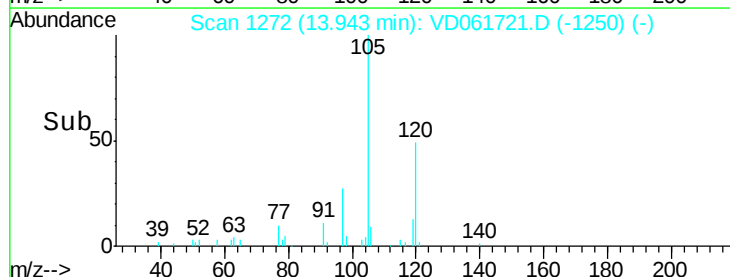
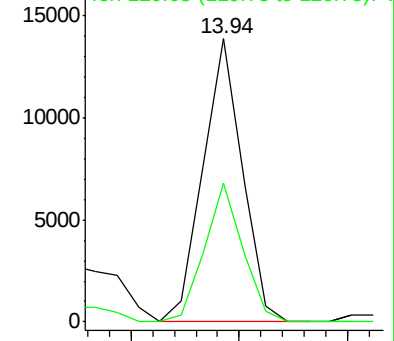
Ion Ratio Lower Upper

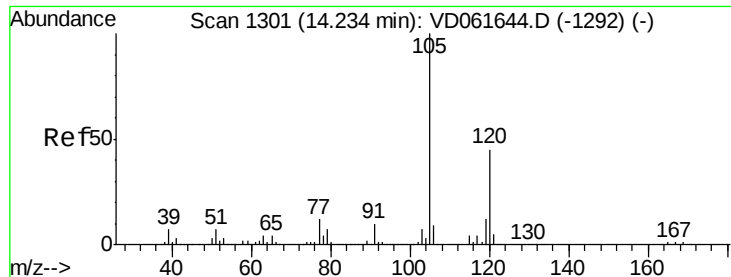
105 100

120 48.9 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

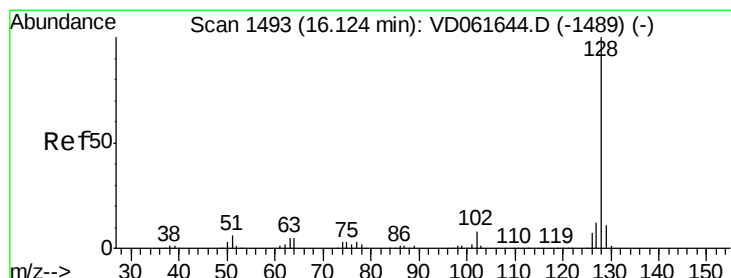
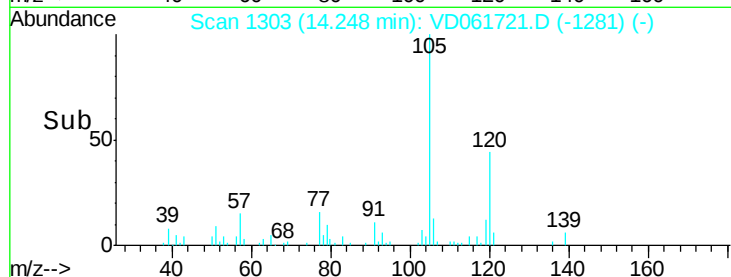
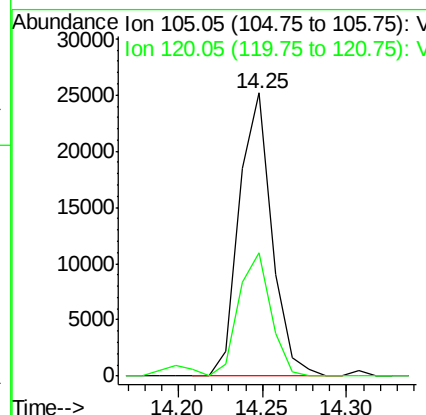
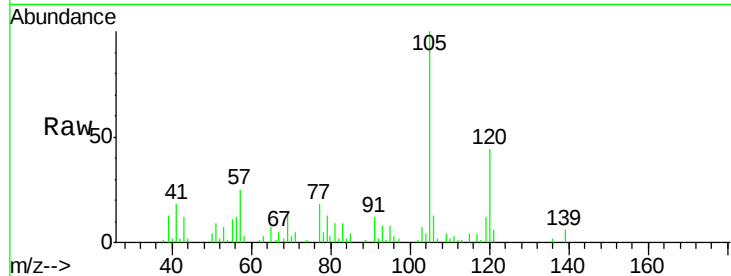




#84
 1,2,4-Trimethylbenzene
 Concen: 3.026 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.01 min
 Lab File: VD061721.D
 Acq: 10 Apr 2019 19:01

Instrument :
 MSVOA_D
 ClientSampleId :
 20190177-AMND-COMP-CS-4RE

Tgt Ion:105 Resp: 33643
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.6 67.8



#95
 Naphthalene
 Concen: 8.034 ug/l
 RT: 16.13 min Scan# 1494
 Delta R.T. 0.00 min
 Lab File: VD061721.D
 Acq: 10 Apr 2019 19:01

Tgt Ion:128 Resp: 37008
 Ion Ratio Lower Upper
 128 100
 127 11.4 9.4 14.2
 129 11.3 8.8 13.2

