

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD040919\
 Data File : VD061690.D
 Acq On : 9 Apr 2019 22:20
 Operator : VA/AP
 Sample : K2316-07
 Misc : 5.10g/5ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20190175-AMND-COMP-CS-2

Quant Time: Apr 10 03:55:05 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

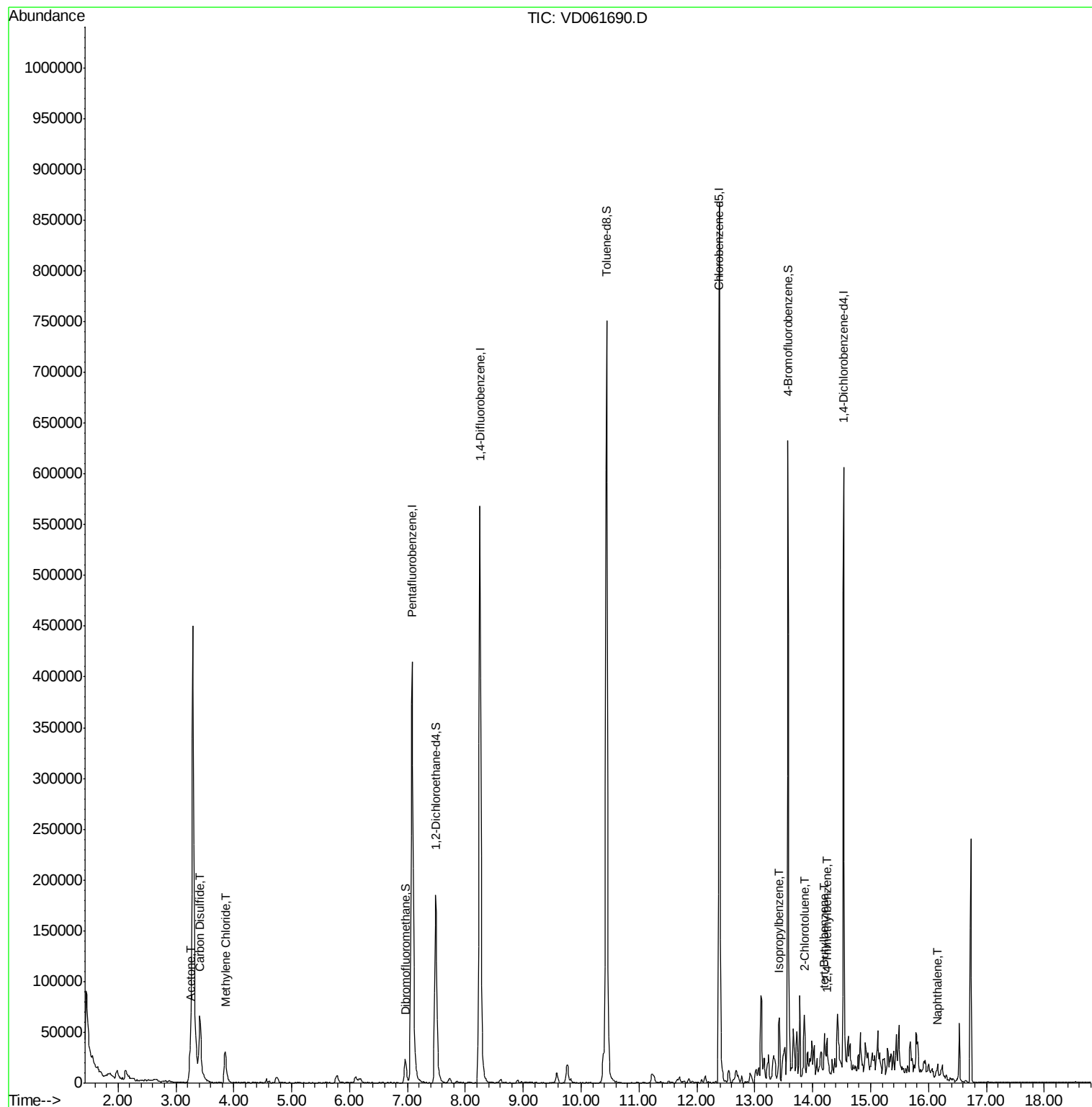
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	430819	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.25	114	712162	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.39	117	542596	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	144212	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.49	65	187262	57.34	ug/l	0.03
Spiked Amount 50.000			Recovery	=	114.68%	
35) Dibromofluoromethane	6.96	113	22734	4.61	ug/l	0.04
Spiked Amount 50.000			Recovery	=	9.22%	
50) Toluene-d8	10.44	98	650007	52.44	ug/l	0.03
Spiked Amount 50.000			Recovery	=	104.88%	
62) 4-Bromofluorobenzene	13.57	95	200117	44.97	ug/l	0.02
Spiked Amount 50.000			Recovery	=	89.94%	
Target Compounds						
					Qvalue	
16) Acetone	3.24	43	67936	69.593	ug/l	100
17) Carbon Disulfide	3.41	76	110036	7.540	ug/l	98
20) Methylene Chloride	3.85	84	23372	4.219	ug/l	91
73) Isopropylbenzene	13.42	105	39548	4.116	ug/l	94
79) 2-Chlorotoluene	13.85	91	25235	3.839	ug/l	95
83) tert-Butylbenzene	14.20	119	13396	1.457	ug/l	97
84) 1,2,4-Trimethylbenzene	14.25	105	7980	1.037	ug/l	99
95) Naphthalene	16.14	128	5540	1.737	ug/l #	94

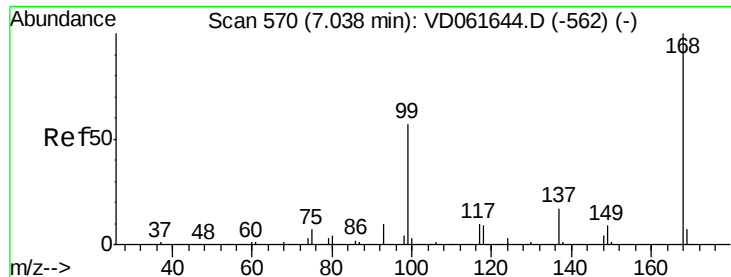
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 575

Delta R.T. 0.04 min

Lab File: VD061690.D

Acq: 9 Apr 2019 22:20

Instrument :

MSVOA_D

ClientSampleId :

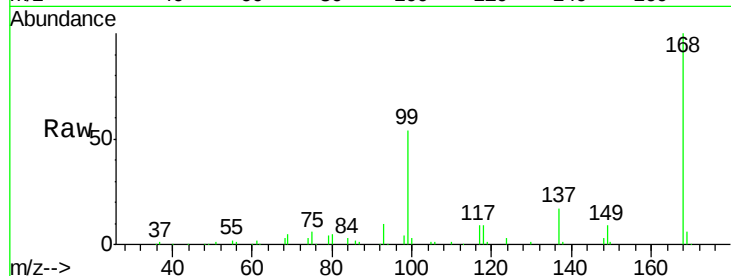
20190175-AMND-COMP-CS-2

Tgt Ion:168 Resp: 430819

Ion Ratio Lower Upper

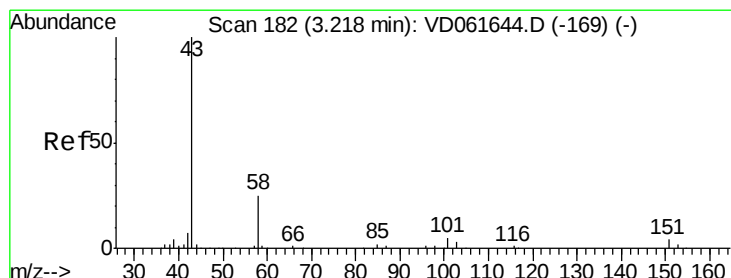
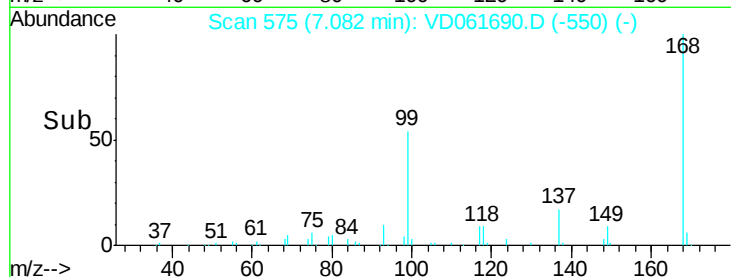
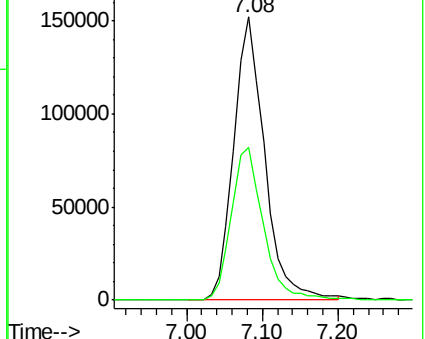
168 100

99 53.9 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: 69.593 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD061690.D

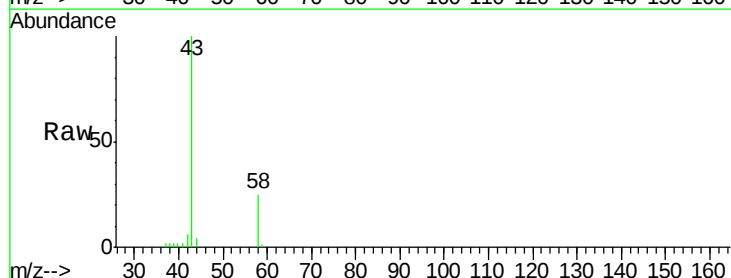
Acq: 9 Apr 2019 22:20

Tgt Ion: 43 Resp: 67936

Ion Ratio Lower Upper

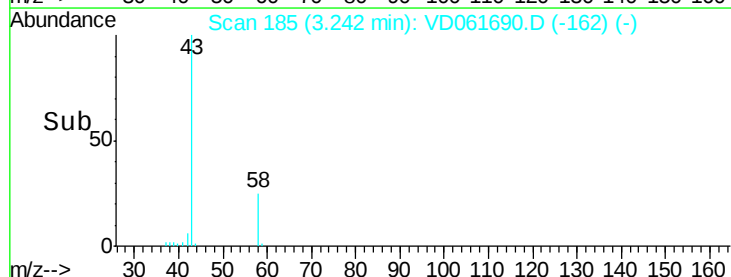
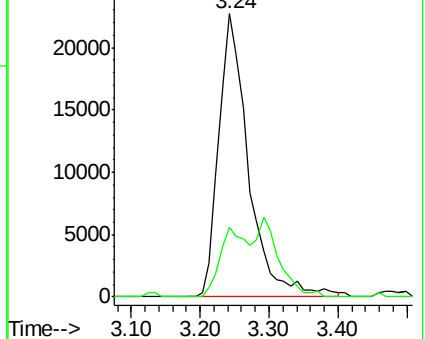
43 100

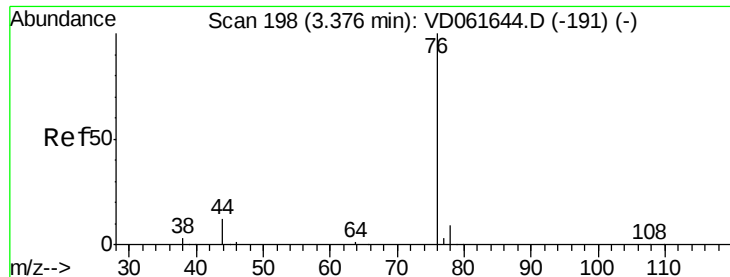
58 24.8 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 7.540 ug/l

RT: 3.41 min Scan# 202

Delta R.T. 0.03 min

Lab File: VD061690.D

Acq: 9 Apr 2019 22:20

Instrument :

MSVOA_D

ClientSampleId :

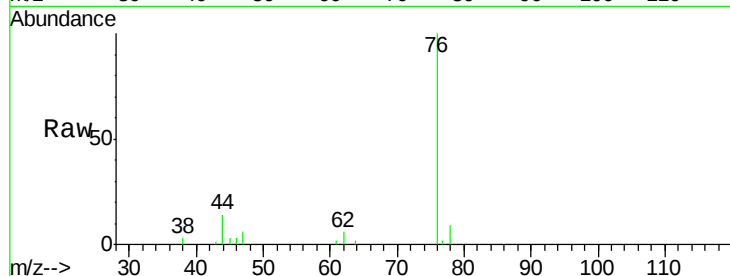
20190175-AMND-COMP-CS-2

Tgt Ion: 76 Resp: 110036

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.41

40000

30000

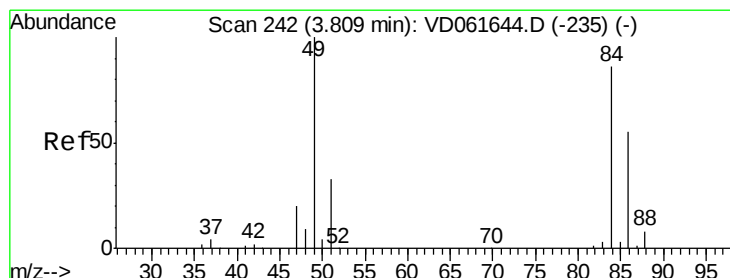
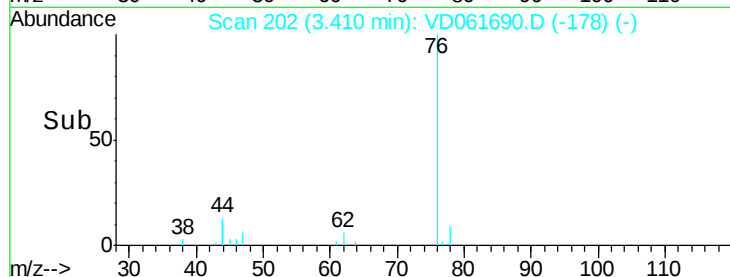
20000

10000

0

Time-->

3.30 3.40 3.50 3.60



#20

Methylene Chloride

Concen: 4.219 ug/l

RT: 3.85 min Scan# 247

Delta R.T. 0.04 min

Lab File: VD061690.D

Acq: 9 Apr 2019 22:20

Tgt Ion: 84 Resp: 23372

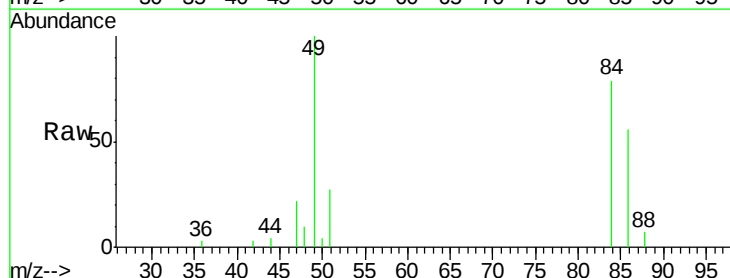
Ion Ratio Lower Upper

84 100

49 126.4 93.0 139.4

51 34.0 30.4 45.6

86 70.7 51.0 76.4



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

15000

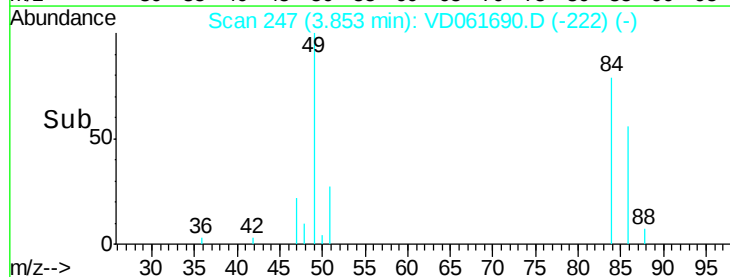
10000

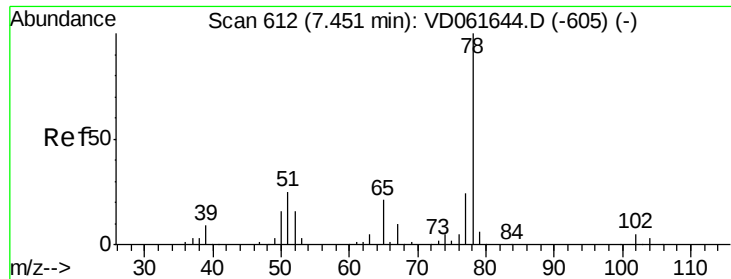
5000

0

Time-->

3.80 3.90 4.00





#33

1,2-Dichloroethane-d4

Concen: 57.344 ug/l

RT: 7.49 min Scan# 616

Delta R.T. 0.03 min

Lab File: VD061690.D

Acq: 9 Apr 2019 22:20

Instrument :

MSVOA_D

ClientSampleId :

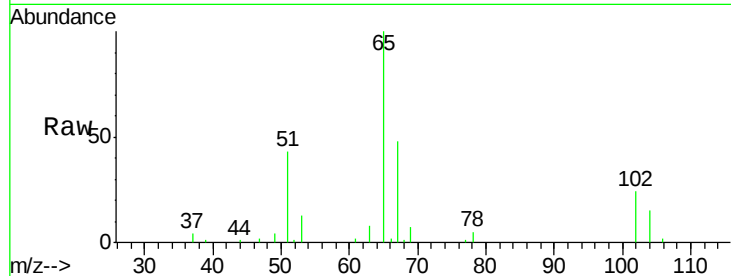
20190175-AMND-COMP-CS-2

Tgt Ion: 65 Resp: 187262

Ion Ratio Lower Upper

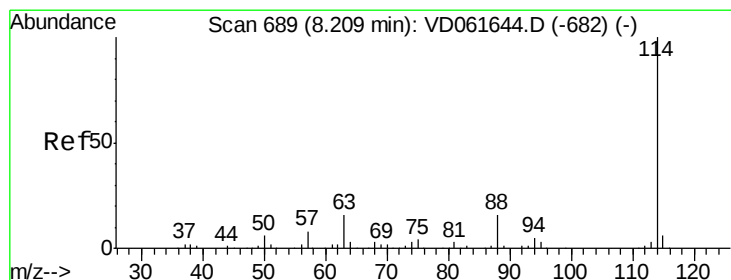
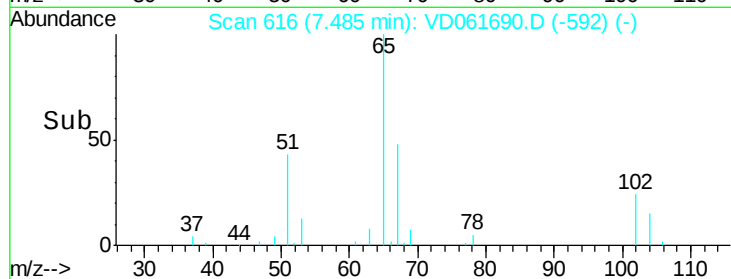
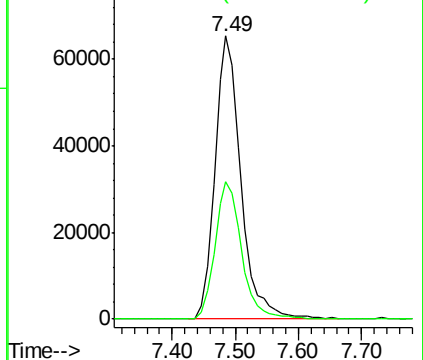
65 100

67 48.4 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: 8.25 min Scan# 694

Delta R.T. 0.04 min

Lab File: VD061690.D

Acq: 9 Apr 2019 22:20

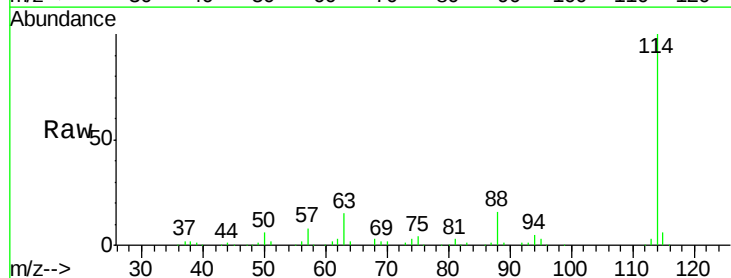
Tgt Ion: 114 Resp: 712162

Ion Ratio Lower Upper

114 100

63 14.9 0.0 31.2

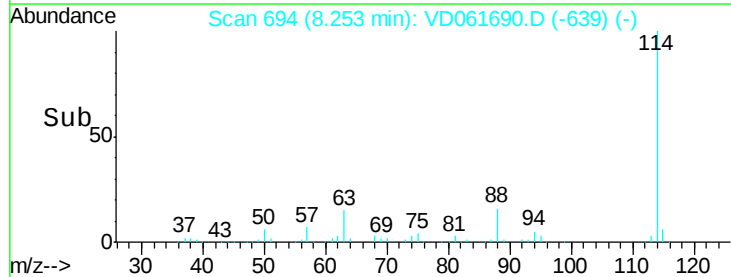
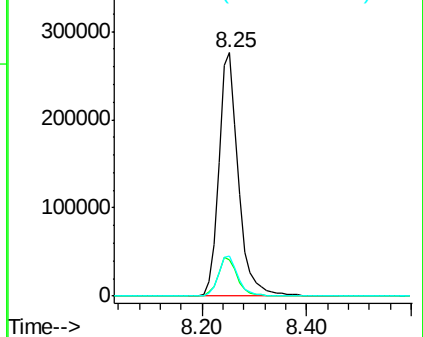
88 16.3 0.0 31.8



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

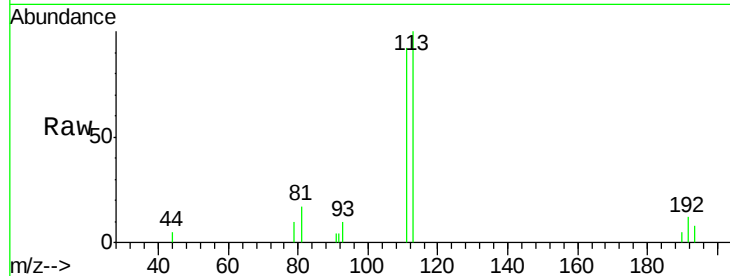




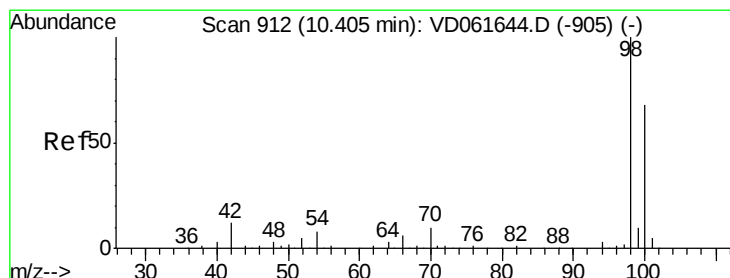
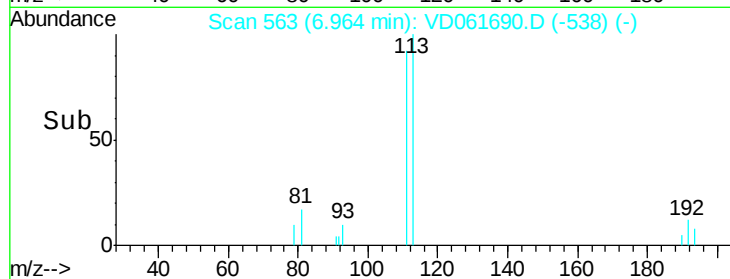
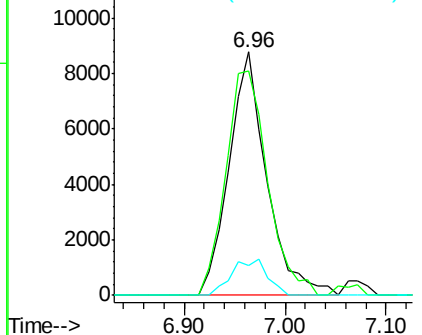
#35
 Dibromofluoromethane
 Concen: 4.608 ug/l
 RT: 6.96 min Scan# 563
 Delta R.T. 0.04 min
 Lab File: VD061690.D
 Acq: 9 Apr 2019 22:20

Instrument :
 MSVOA_D
 ClientSampleId :
 20190175-AMND-COMP-CS-2

Tgt Ion:113 Resp: 22734
 Ion Ratio Lower Upper
 113 100
 111 92.1 79.3 118.9
 192 12.0 12.3 18.5#

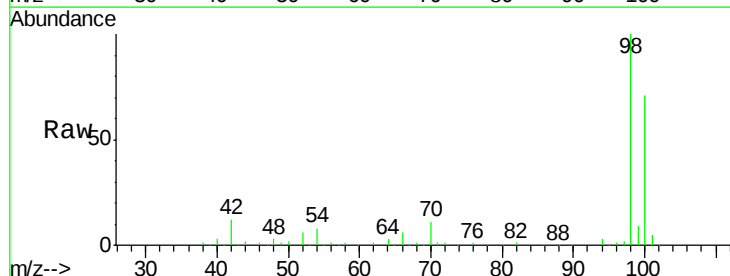


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

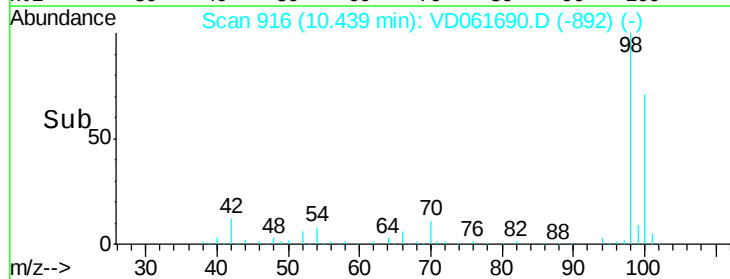
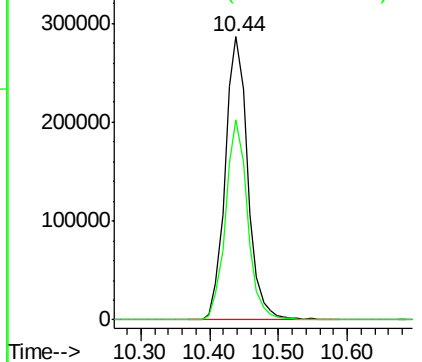


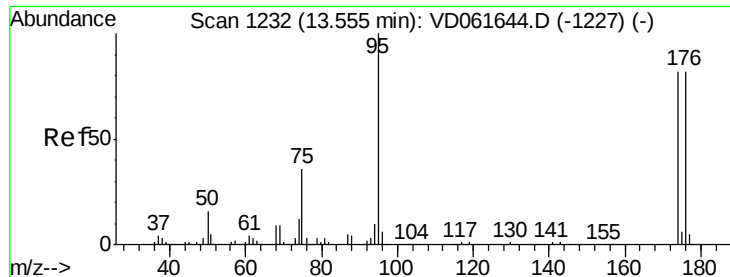
#50
 Toluene-d8
 Concen: 52.439 ug/l
 RT: 10.44 min Scan# 916
 Delta R.T. 0.03 min
 Lab File: VD061690.D
 Acq: 9 Apr 2019 22:20

Tgt Ion: 98 Resp: 650007
 Ion Ratio Lower Upper
 98 100
 100 70.8 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
 Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: 44.969 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD061690.D

Acq: 9 Apr 2019 22:20

Instrument :

MSVOA_D

ClientSampleId :

20190175-AMND-COMP-CS-2

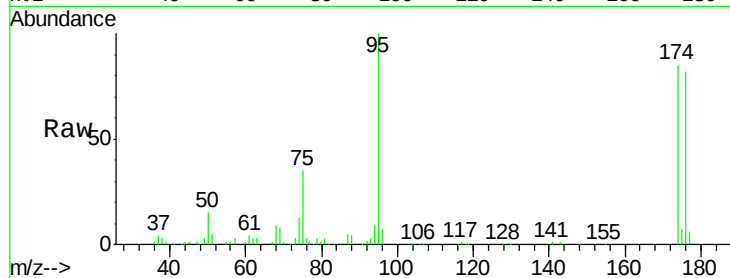
Tgt Ion: 95 Resp: 200117

Ion Ratio Lower Upper

95 100

174 84.7 0.0 164.6

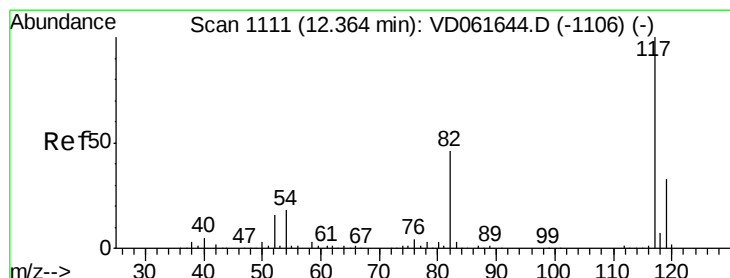
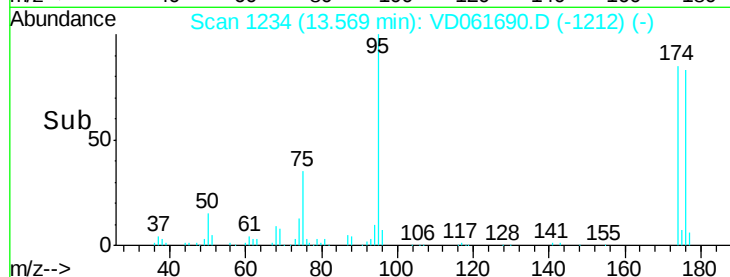
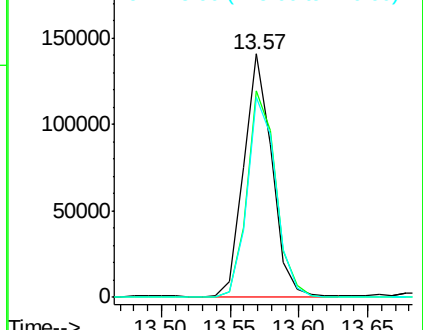
176 82.4 0.0 165.0



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. 0.02 min

Lab File: VD061690.D

Acq: 9 Apr 2019 22:20

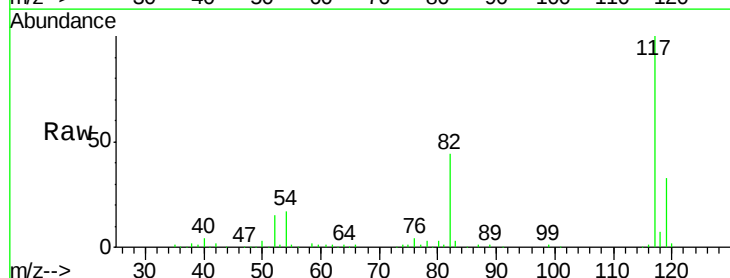
Tgt Ion: 117 Resp: 542596

Ion Ratio Lower Upper

117 100

82 44.1 36.8 55.2

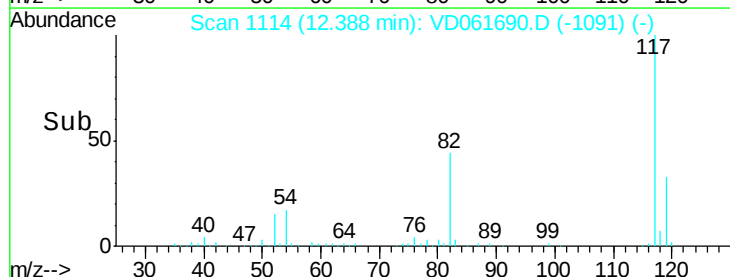
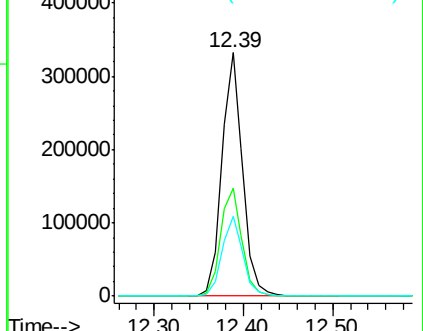
119 32.7 26.1 39.1

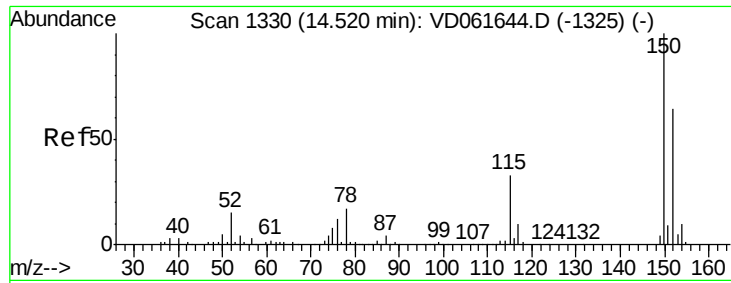


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1332

Delta R.T. 0.01 min

Lab File: VD061690.D

Acq: 9 Apr 2019 22:20

Instrument :

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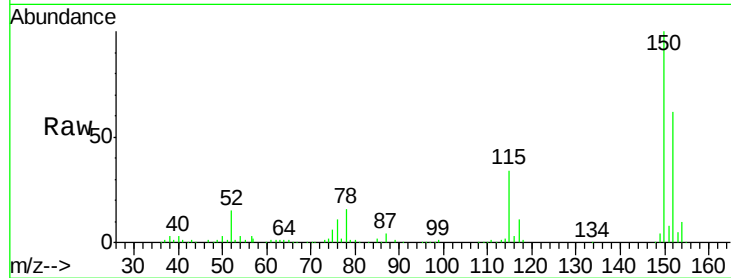
Tgt Ion:152 Resp: 144212

Ion Ratio Lower Upper

152 100

115 55.0 26.4 79.2

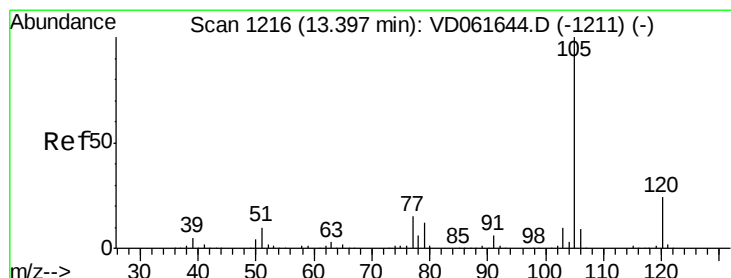
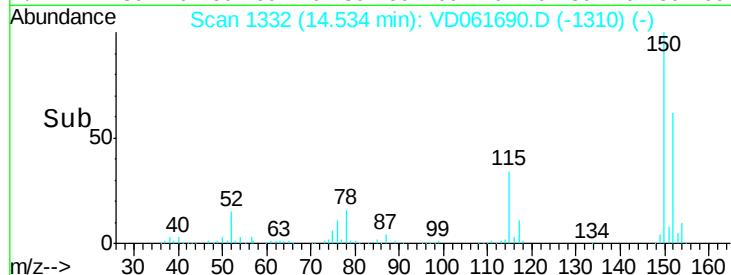
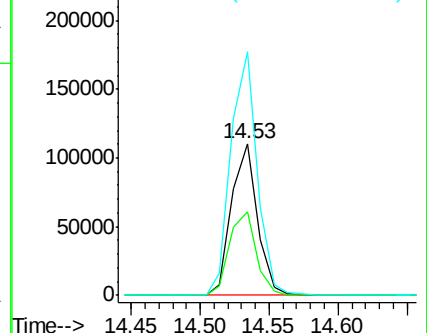
150 160.7 0.0 320.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 4.116 ug/l

RT: 13.42 min Scan# 1219

Delta R.T. 0.02 min

Lab File: VD061690.D

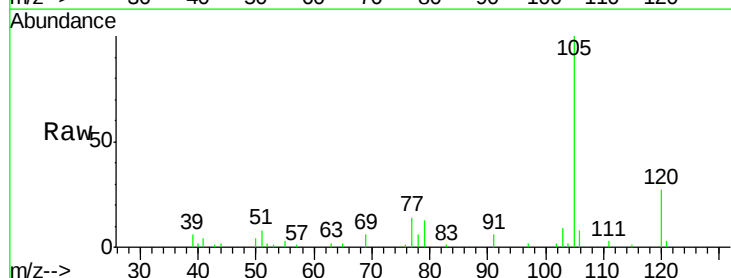
Acq: 9 Apr 2019 22:20

Tgt Ion:105 Resp: 39548

Ion Ratio Lower Upper

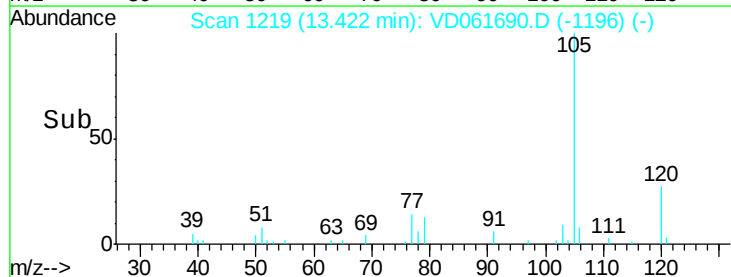
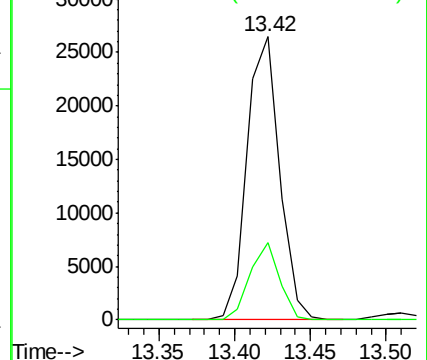
105 100

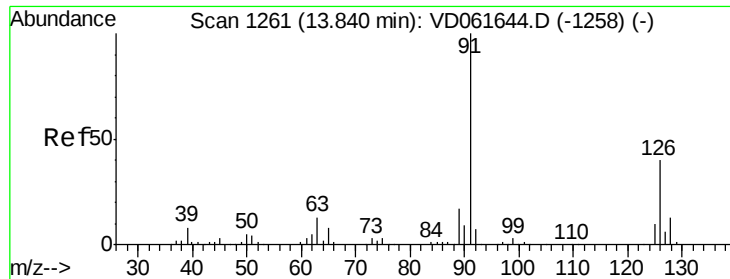
120 27.1 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 3.839 ug/l

RT: 13.85 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VD061690.D

Acq: 9 Apr 2019 22:20

Instrument :

MSVOA_D

ClientSampleId :

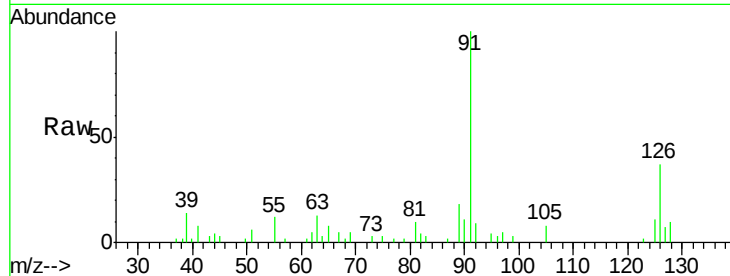
20190175-AMND-COMP-CS-2

Tgt Ion: 91 Resp: 25235

Ion Ratio Lower Upper

91 100

126 37.0 20.0 59.9



Abundance Ion 91.00 (90.70 to 91.70): VD061644.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD061644.D (-1258) (-)

13.85

20000

15000

10000

5000

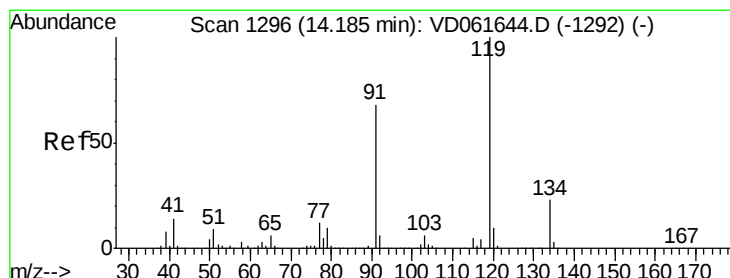
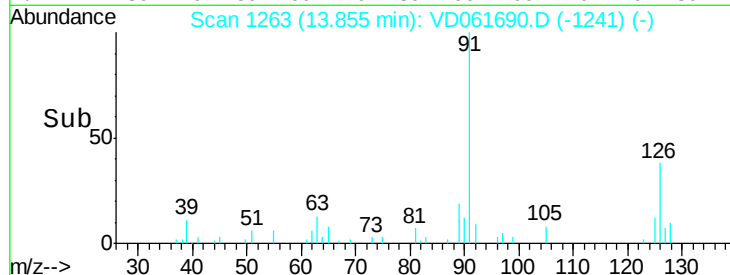
0

Time-->

13.80

13.85

13.90



#83

tert-Butylbenzene

Concen: 1.457 ug/l

RT: 14.20 min Scan# 1298

Delta R.T. 0.01 min

Lab File: VD061690.D

Acq: 9 Apr 2019 22:20

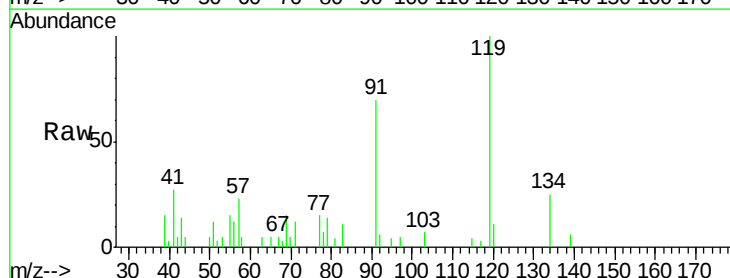
Tgt Ion: 119 Resp: 13396

Ion Ratio Lower Upper

119 100

91 69.8 33.9 101.6

134 25.3 11.6 34.8



Abundance Ion 119.05 (118.75 to 119.75): VD061644.D (-1292) (-)

Ion 91.00 (90.70 to 91.70): VD061644.D (-1292) (-)

Ion 134.00 (133.70 to 134.70): VD061644.D (-1292) (-)

14.20

10000

5000

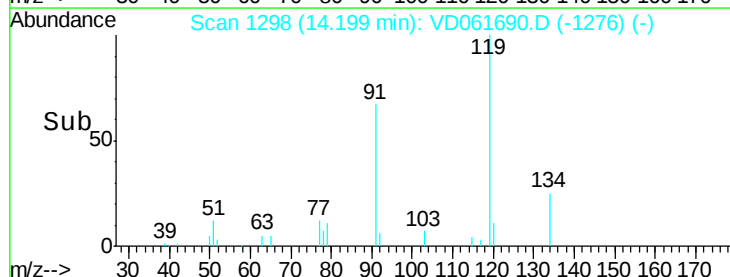
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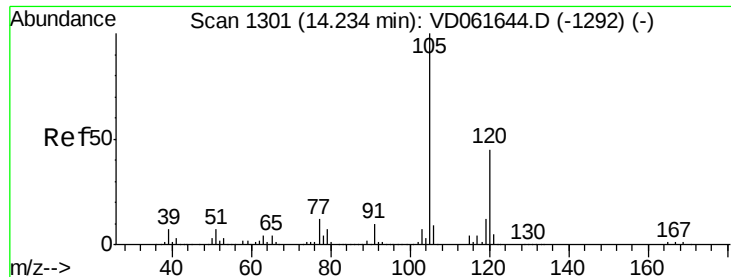
Time-->

14.15

14.20

14.25

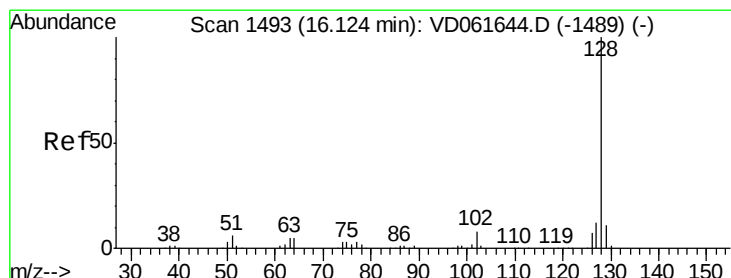
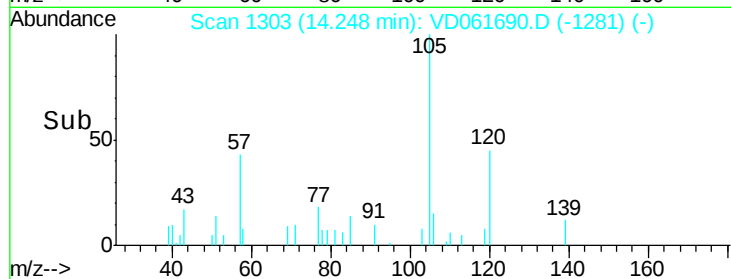
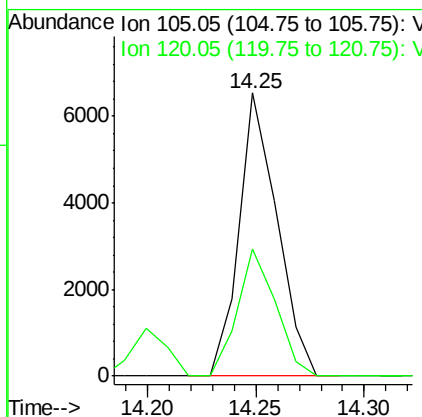
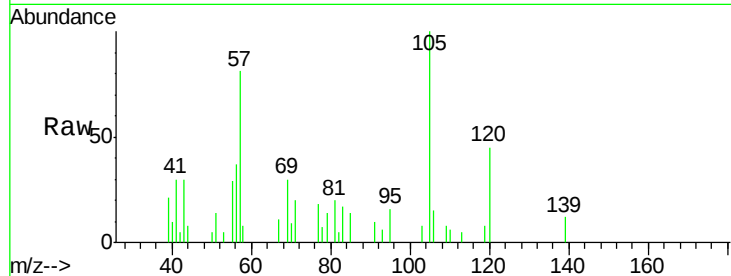




#84
 1,2,4-Trimethylbenzene
 Concen: 1.037 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.01 min
 Lab File: VD061690.D
 Acq: 9 Apr 2019 22:20

Instrument :
 MSVOA_D
 ClientSampleId :
 20190175-AMND-COMP-CS-2

Tgt Ion:105 Resp: 7980
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.6 67.8



#95
 Naphthalene
 Concen: 1.737 ug/l
 RT: 16.14 min Scan# 1495
 Delta R.T. 0.01 min
 Lab File: VD061690.D
 Acq: 9 Apr 2019 22:20

Tgt Ion:128 Resp: 5540
 Ion Ratio Lower Upper
 128 100
 127 13.9 9.4 14.2
 129 13.4 8.8 13.2#

