

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041219\
 Data File : VD061778.D
 Acq On : 12 Apr 2019 15:08
 Operator : VA/AP
 Sample : K2203-05RE
 Misc : 6.32g/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-040919-ARE

Quant Time: Apr 12 17:07:20 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

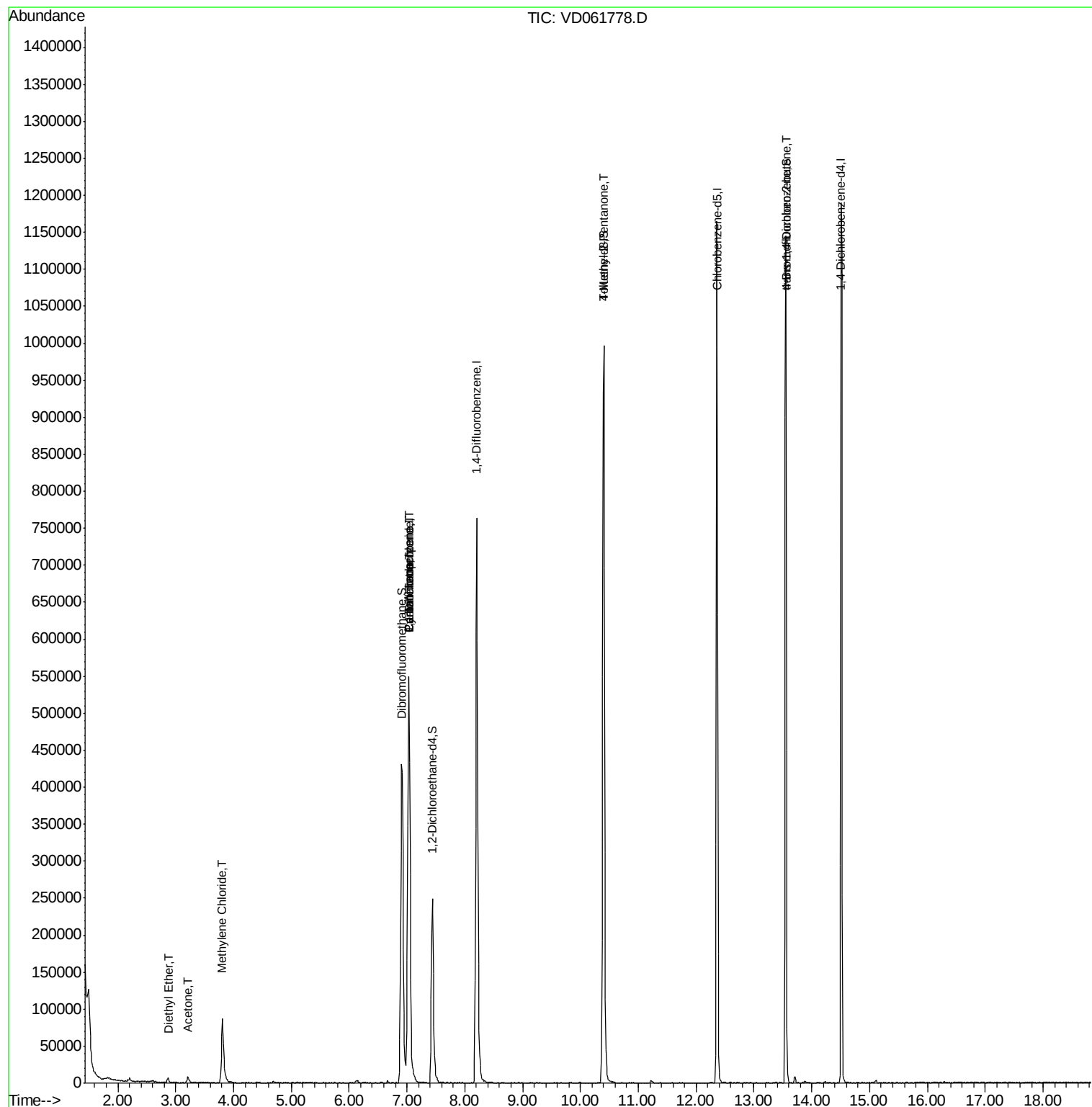
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	569705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	899996	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	744815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	310010	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	258689	59.90	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	119.80%	
35) Dibromofluoromethane	6.91	113	412790	66.21	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	132.42%	
50) Toluene-d8	10.40	98	900966	57.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.04%	
62) 4-Bromofluorobenzene	13.55	95	368046	74.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	148.08%	
Target Compounds						
8) Diethyl Ether	2.87	74	2676	1.361	ug/l	85
16) Acetone	3.21	43	15536	12.035	ug/l	96
20) Methylene Chloride	3.81	84	65121	8.890	ug/l	97
31) Cyclohexane	7.03	56	9667	1.189	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	40470	5.138	ug/l #	45
38) Carbon Tetrachloride	7.04	117	56624	6.134	ug/l #	16
51) 4-Methyl-2-Pentanone	10.40	43	3794	1.378	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	142558	111.384	ug/l #	20

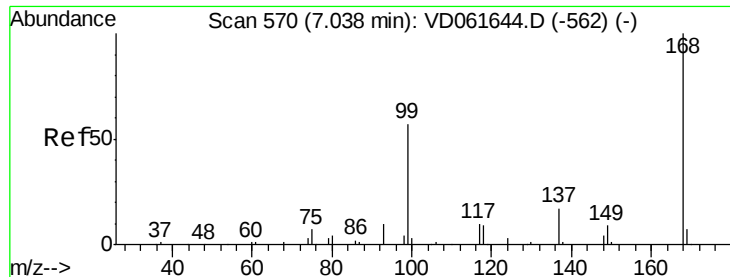
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD041219\
Data File : VD061778.D
Acq On : 12 Apr 2019 15:08
Operator : VA/AP
Sample : K2203-05RE
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SU-04-040919-ARE

Quant Time: Apr 12 17:07:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD061778.D

Acq: 12 Apr 2019 15:08

Instrument :

MSVOA_D

ClientSampleId :

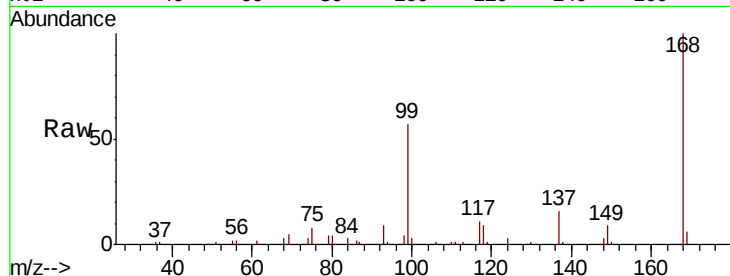
SU-04-040919-ARE

Tgt Ion:168 Resp: 569705

Ion Ratio Lower Upper

168 100

99 57.2 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

200000

150000

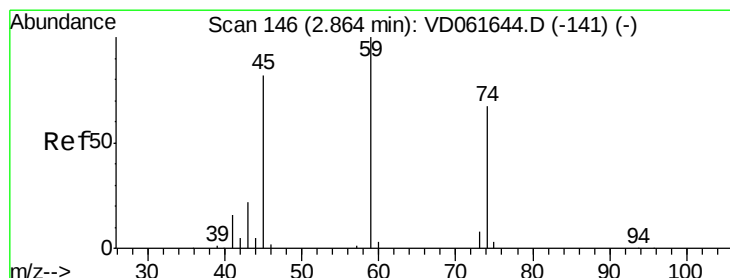
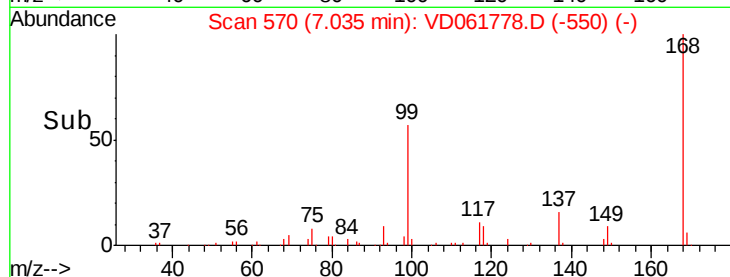
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#8

Diethyl Ether

Concen: 1.361 ug/l

RT: 2.87 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD061778.D

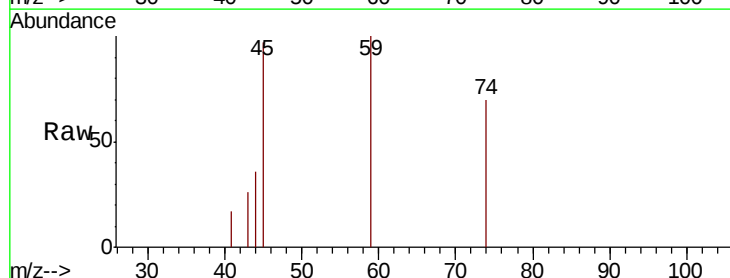
Acq: 12 Apr 2019 15:08

Tgt Ion: 74 Resp: 2676

Ion Ratio Lower Upper

74 100

45 138.8 61.0 183.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.87

2000

1500

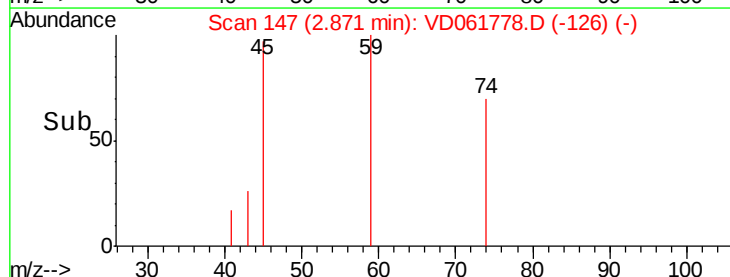
1000

500

0

2.80 2.85 2.90

Time-->





#16

Acetone

Concen: 12.035 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD061778.D

Acq: 12 Apr 2019 15:08

Instrument :

MSVOA_D

ClientSampleId :

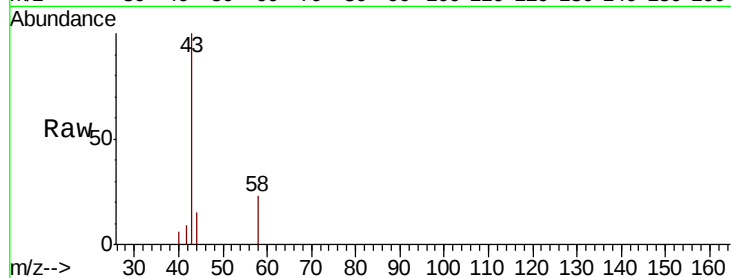
SU-04-040919-ARE

Tgt Ion: 43 Resp: 15536

Ion Ratio Lower Upper

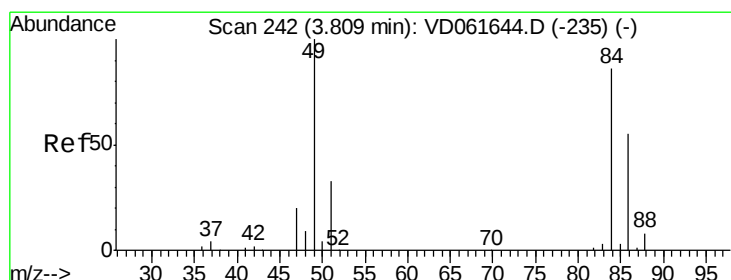
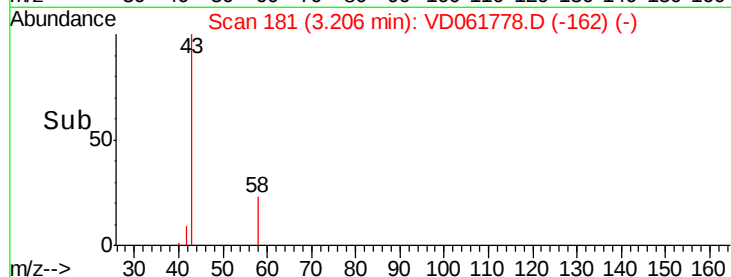
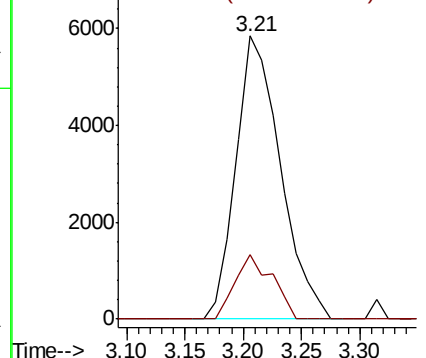
43 100

58 22.6 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 8.890 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.00 min

Lab File: VD061778.D

Acq: 12 Apr 2019 15:08

Tgt Ion: 84 Resp: 65121

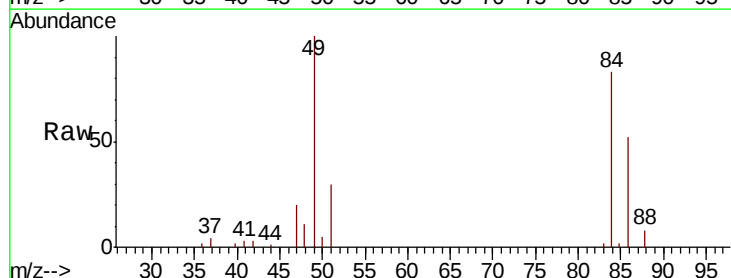
Ion Ratio Lower Upper

84 100

49 120.5 93.0 139.4

51 36.7 30.4 45.6

86 62.1 51.0 76.4

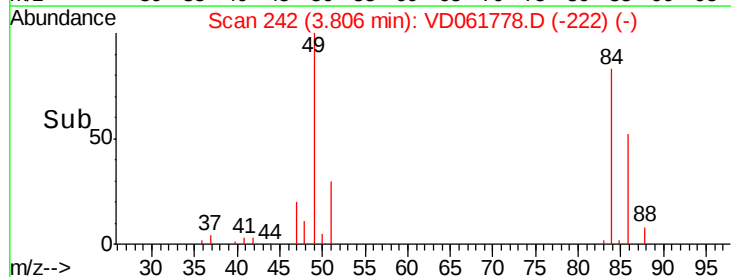
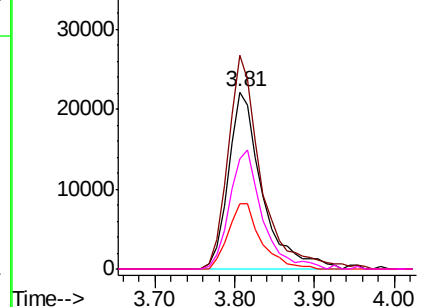


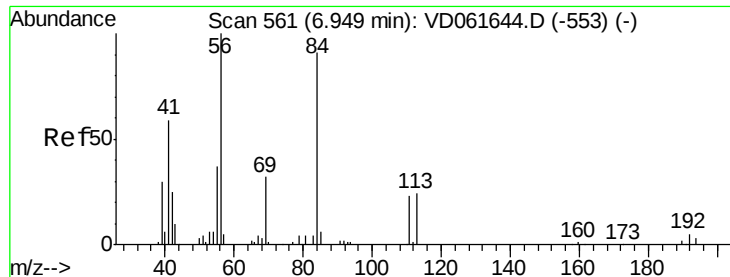
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

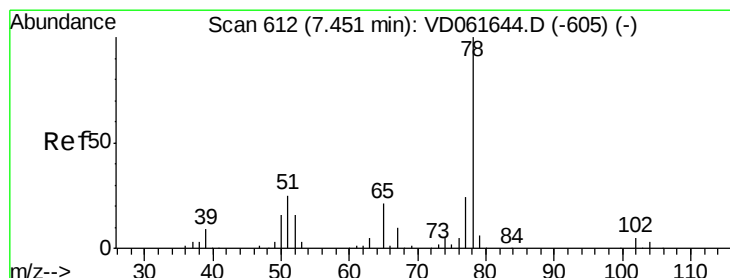
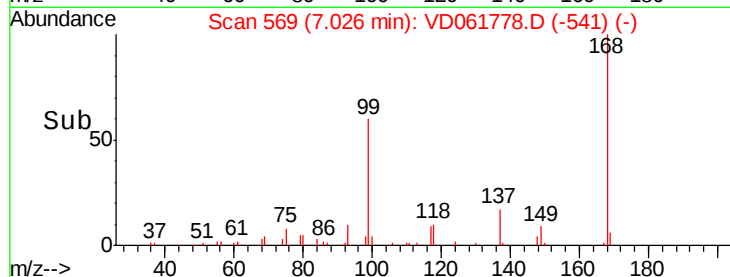
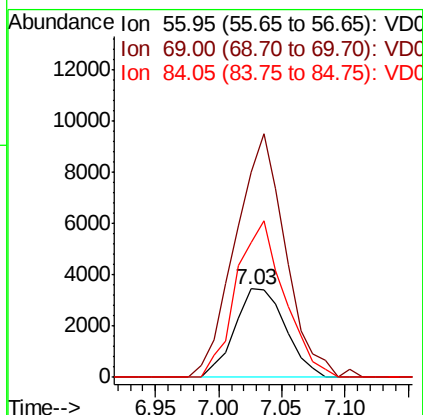
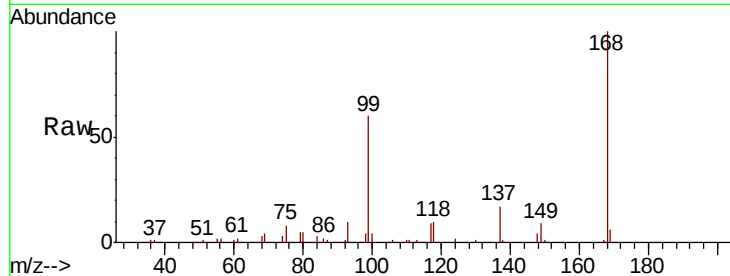




#31
Cyclohexane
Concen: 1.189 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.08 min
Lab File: VD061778.D
Acq: 12 Apr 2019 15:08

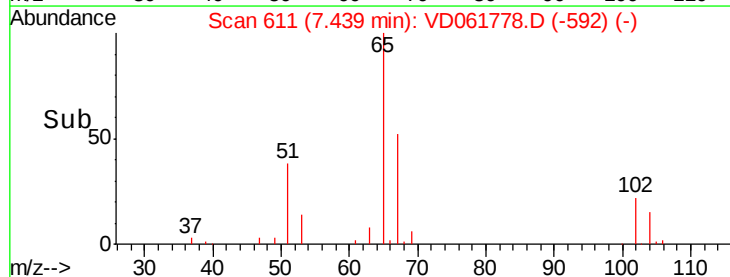
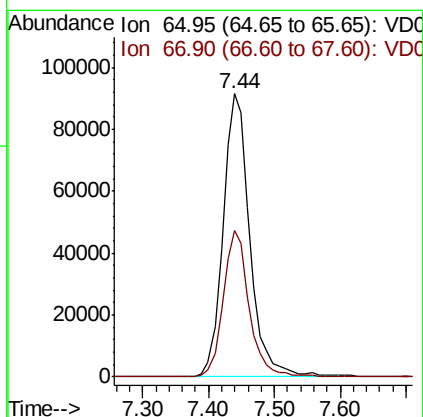
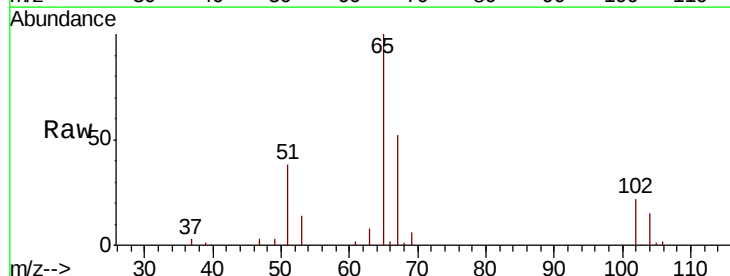
Instrument :
MSVOA_D
ClientSampleId :
SU-04-040919-ARE

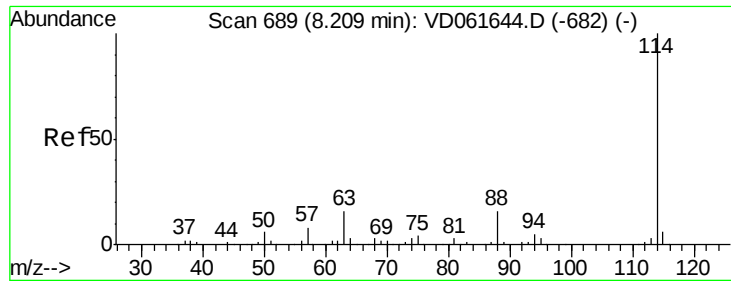
Tgt Ion: 56 Resp: 9667
Ion Ratio Lower Upper
56 100
69 232.3 25.8 38.6#
84 153.3 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD061778.D
Acq: 12 Apr 2019 15:08

Tgt Ion: 65 Resp: 258689
Ion Ratio Lower Upper
65 100
67 51.6 0.0 99.4

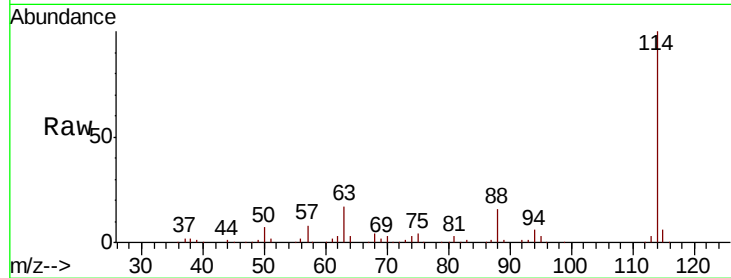




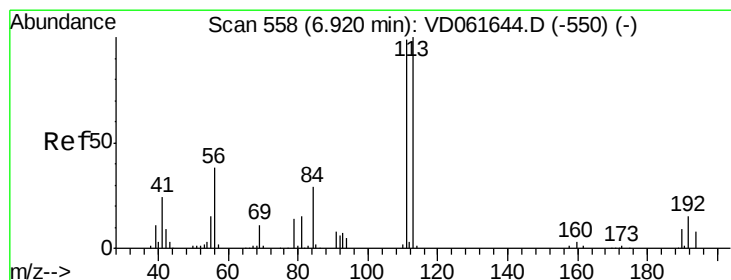
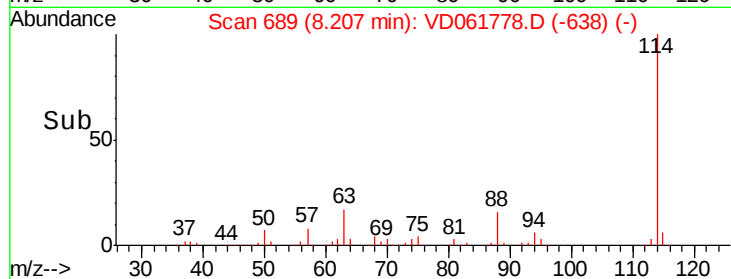
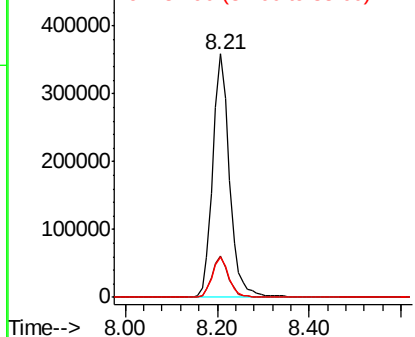
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD061778.D
 Acq: 12 Apr 2019 15:08

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-040919-ARE

Tgt Ion:114 Resp: 899996
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 31.2
 88 16.4 0.0 31.8

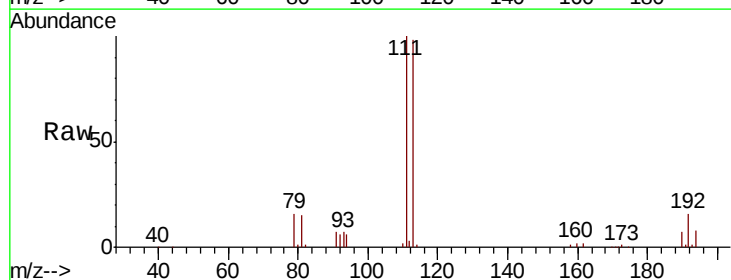


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

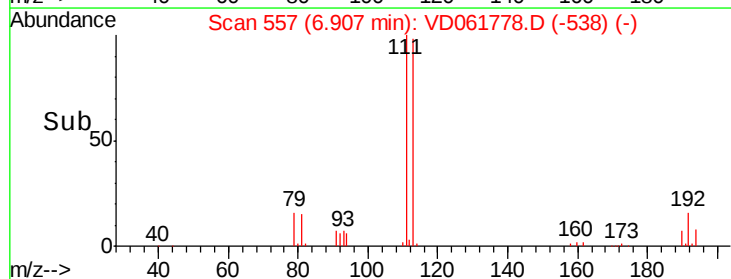
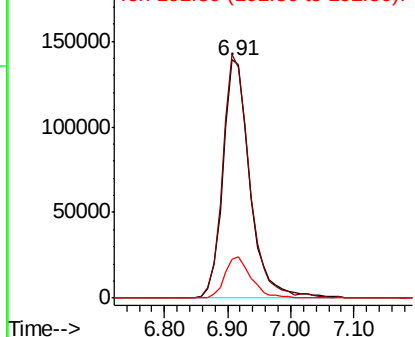


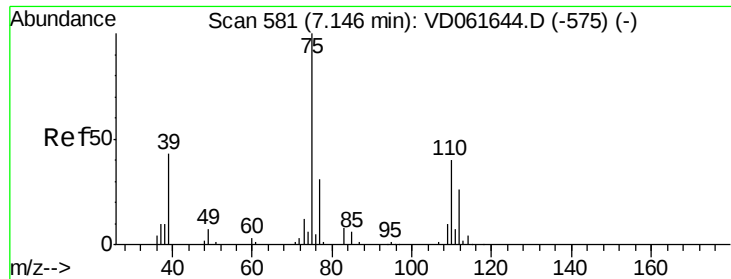
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.01 min
 Lab File: VD061778.D
 Acq: 12 Apr 2019 15:08

Tgt Ion:113 Resp: 412790
 Ion Ratio Lower Upper
 113 100
 111 102.3 79.3 118.9
 192 16.4 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





#36

1,1-Dichloropropene

Concen: 5.138 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD061778.D

Acq: 12 Apr 2019 15:08

Instrument :

MSVOA_D

ClientSampleId :

SU-04-040919-ARE

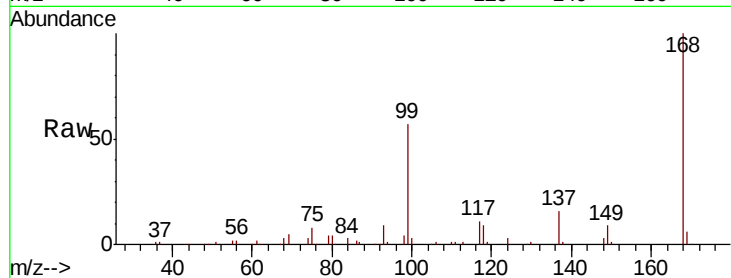
Tgt Ion: 75 Resp: 40470

Ion Ratio Lower Upper

75 100

110 6.5 19.7 59.0#

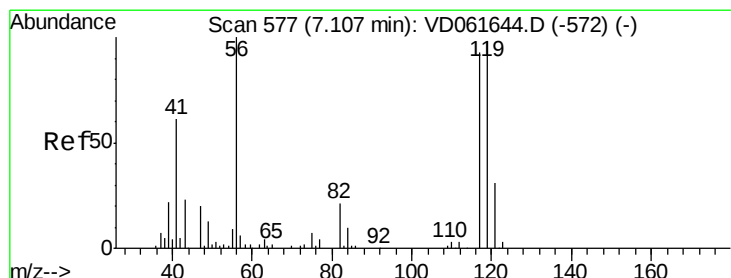
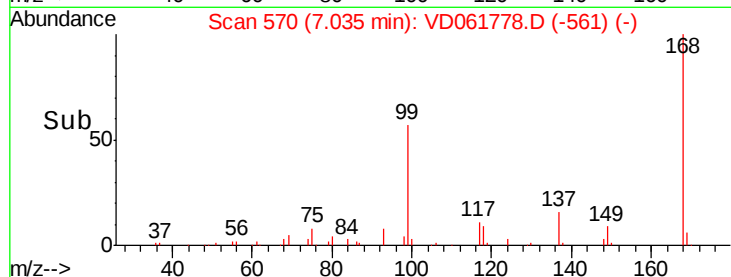
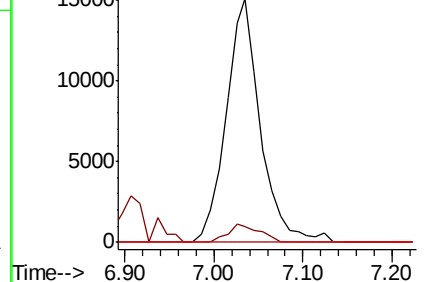
77 0.0 24.8 37.2#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 6.134 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.07 min

Lab File: VD061778.D

Acq: 12 Apr 2019 15:08

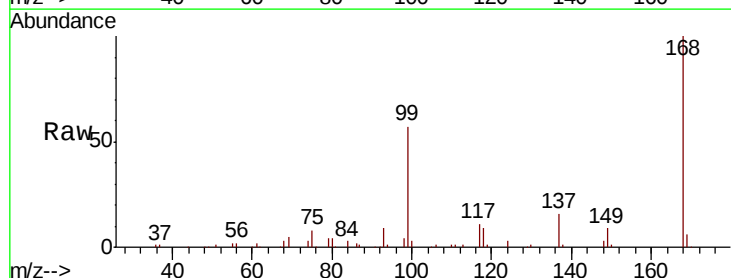
Tgt Ion: 117 Resp: 56624

Ion Ratio Lower Upper

117 100

119 6.2 77.9 116.9#

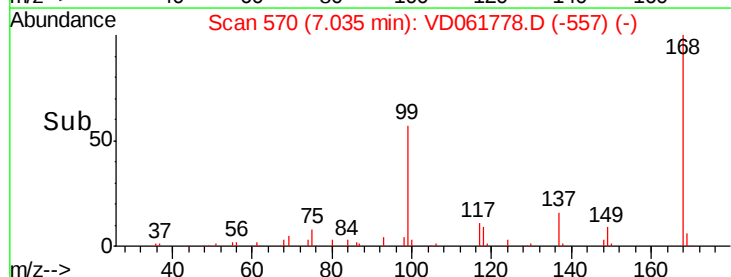
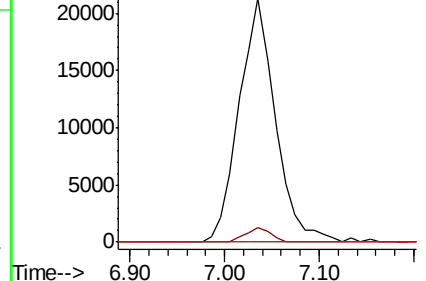
121 0.0 24.7 37.1#

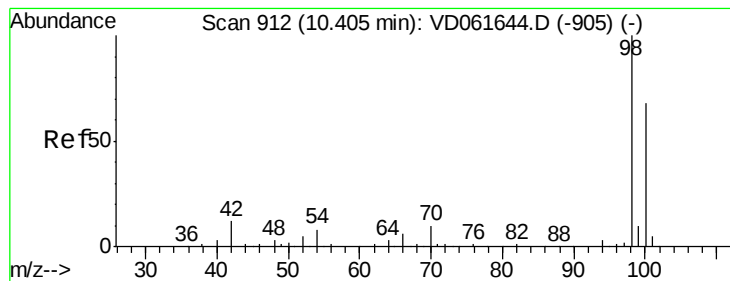


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD061778.D

Acq: 12 Apr 2019 15:08

Instrument :

MSVOA_D

ClientSampleId :

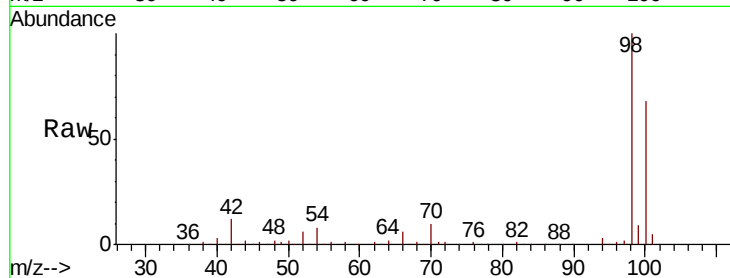
SU-04-040919-ARE

Tgt Ion: 98 Resp: 900966

Ion Ratio Lower Upper

98 100

100 68.4 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) (-)

10.40

400000

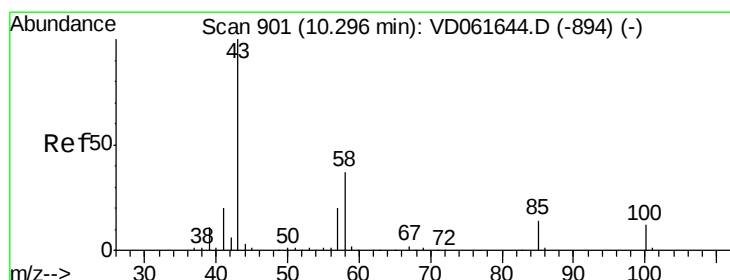
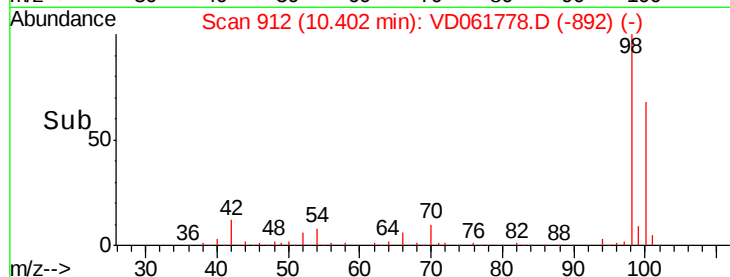
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.378 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.11 min

Lab File: VD061778.D

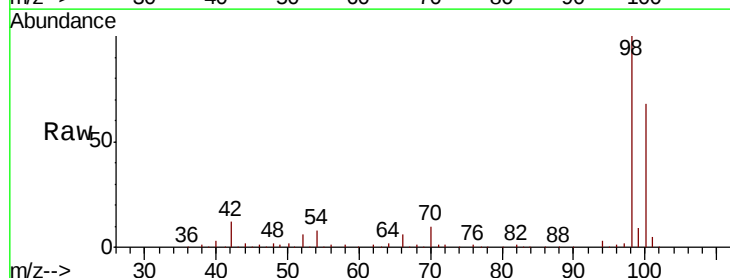
Acq: 12 Apr 2019 15:08

Tgt Ion: 43 Resp: 3794

Ion Ratio Lower Upper

43 100

58 142.3 29.8 44.8#



Abundance Ion 42.95 (42.65 to 43.65): VD061644.D (-894) (-)

Ion 57.95 (57.65 to 58.65): VD061644.D (-894) (-)

10.40

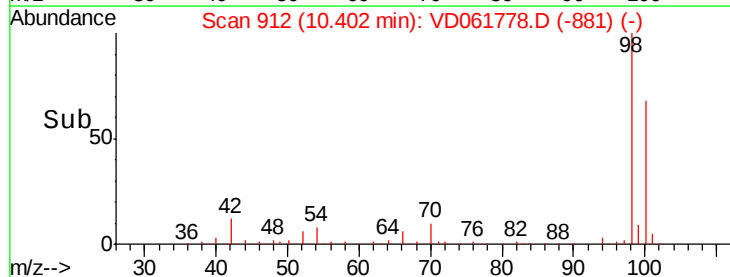
3000

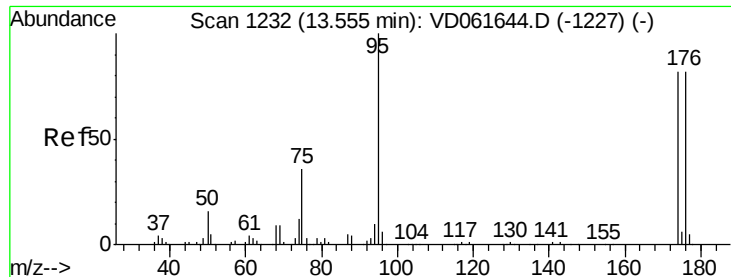
2000

1000

0

Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061778.D

Acq: 12 Apr 2019 15:08

Instrument :

MSVOA_D

ClientSampleId :

SU-04-040919-ARE

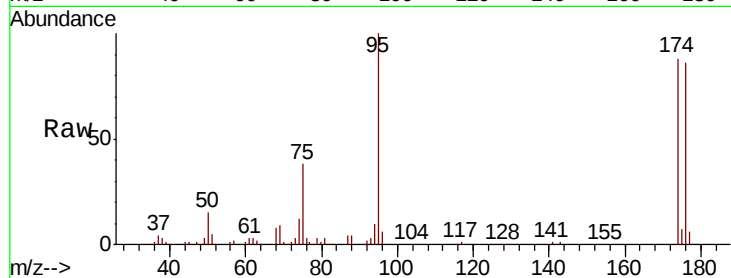
Tgt Ion: 95 Resp: 368046

Ion Ratio Lower Upper

95 100

174 87.7 0.0 164.6

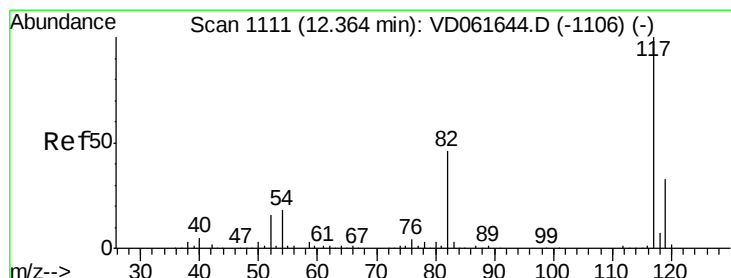
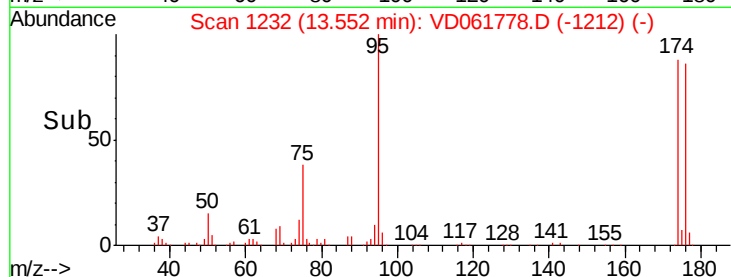
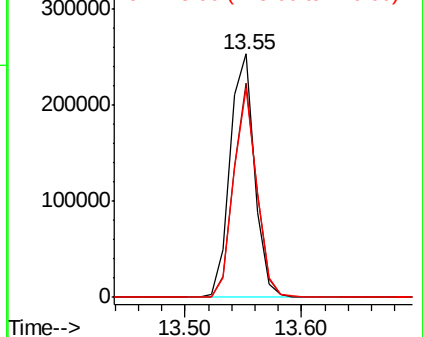
176 85.8 0.0 165.0



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: 12.36 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD061778.D

Acq: 12 Apr 2019 15:08

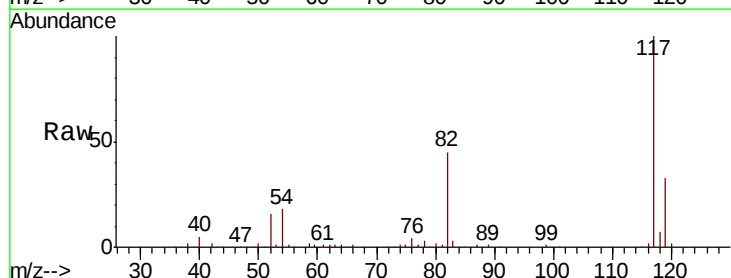
Tgt Ion: 117 Resp: 744815

Ion Ratio Lower Upper

117 100

82 45.4 36.8 55.2

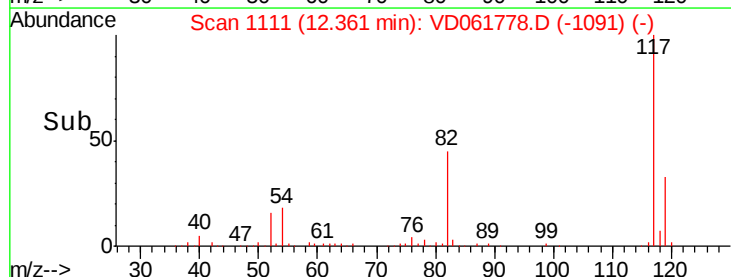
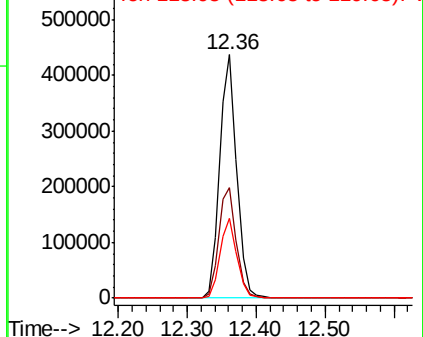
119 33.0 26.1 39.1

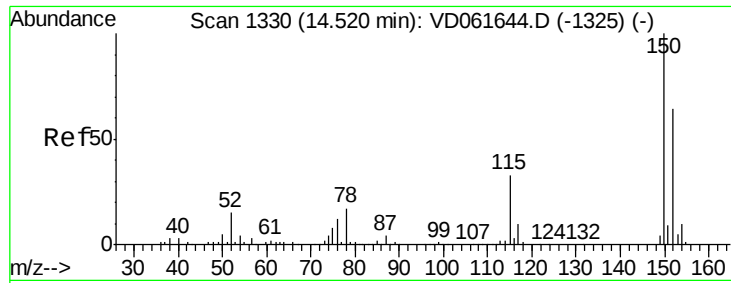


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

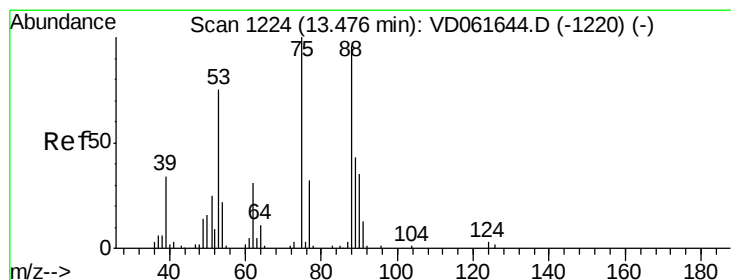
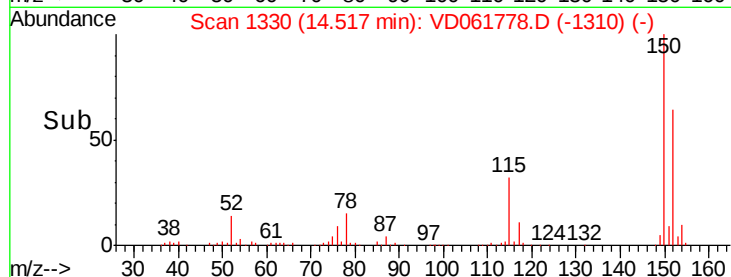
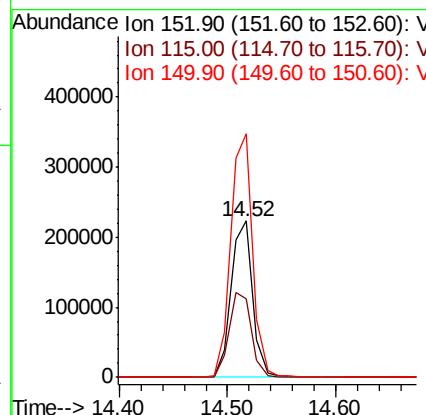
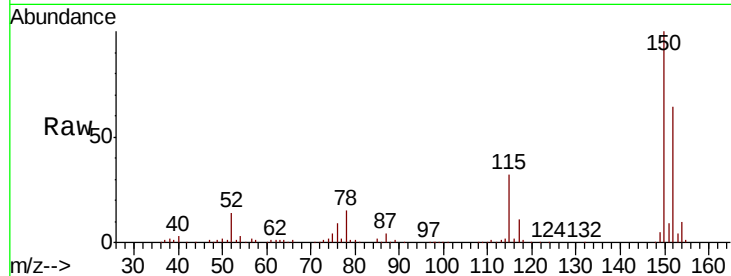




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VD061778.D
 Acq: 12 Apr 2019 15:08

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-040919-ARE

Tgt Ion: 152 Resp: 310010
 Ion Ratio Lower Upper
 152 100
 115 50.1 26.4 79.2
 150 155.6 0.0 320.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.384 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.08 min
 Lab File: VD061778.D
 Acq: 12 Apr 2019 15:08

Tgt Ion: 75 Resp: 142558
 Ion Ratio Lower Upper
 75 100
 53 0.0 60.2 90.2#
 89 0.0 34.2 51.2#

