

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041219\
 Data File : VD061781.D
 Acq On : 12 Apr 2019 16:32
 Operator : VA/AP
 Sample : K2200-01
 Misc : 6.34g/5ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-040919-A

Quant Time: Apr 12 17:20:20 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

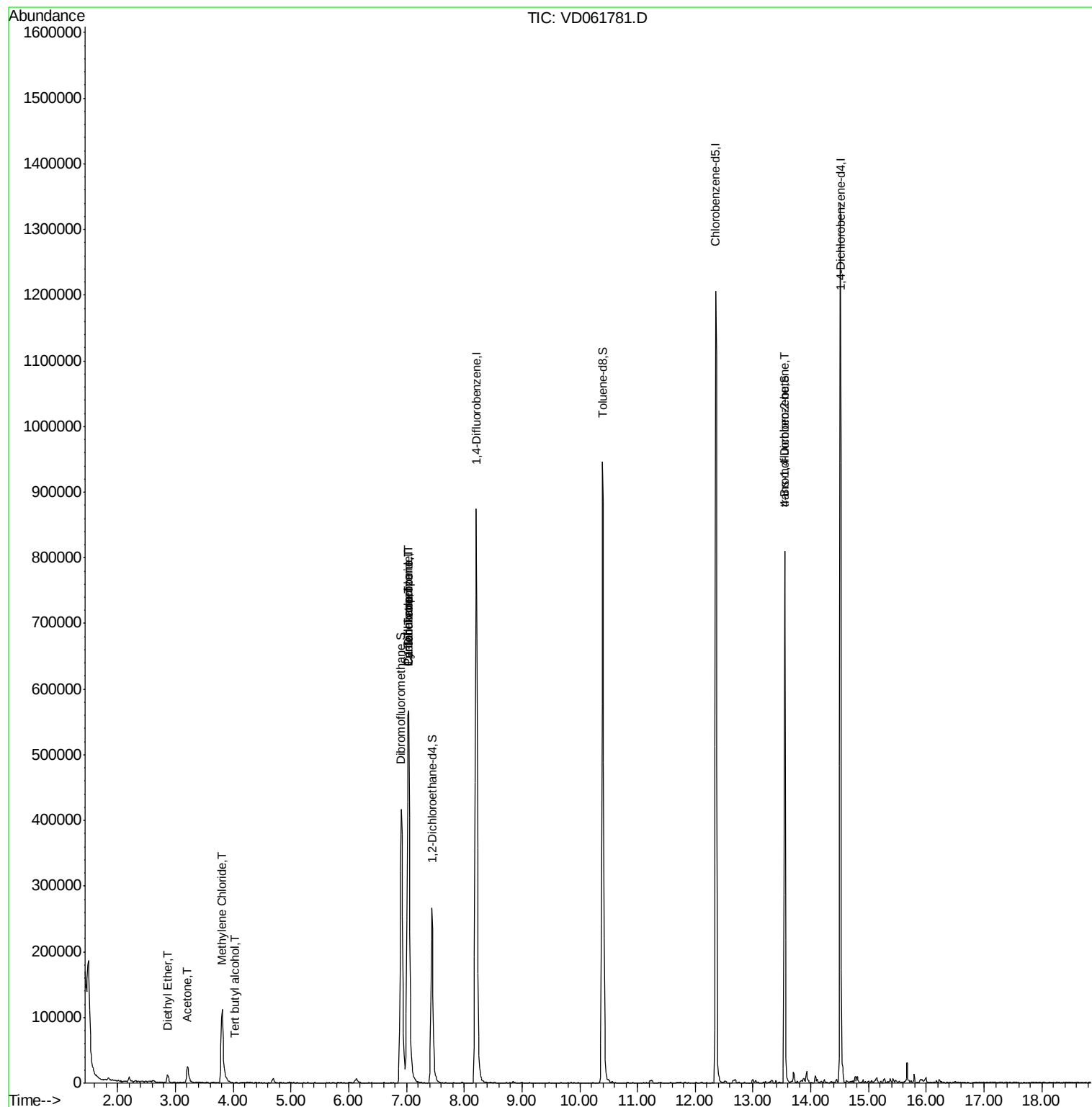
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	602312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1041470	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	776493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	315085	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	269501	59.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.06%	
35) Dibromofluoromethane	6.91	113	389806	54.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.06%	
50) Toluene-d8	10.40	98	814020	44.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.82%	
62) 4-Bromofluorobenzene	13.55	95	277632	42.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.32%	
Target Compounds						
8) Diethyl Ether	2.87	74	5618	2.702	ug/l	79
11) Tert butyl alcohol	4.04	59	356	1.163	ug/l #	72
16) Acetone	3.21	43	47091	34.505	ug/l	99
20) Methylene Chloride	3.81	84	85137	10.993	ug/l	94
31) Cyclohexane	7.03	56	11653	1.356	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	44909	4.927	ug/l #	48
38) Carbon Tetrachloride	7.03	117	59433	5.564	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	103823	79.813	ug/l #	20

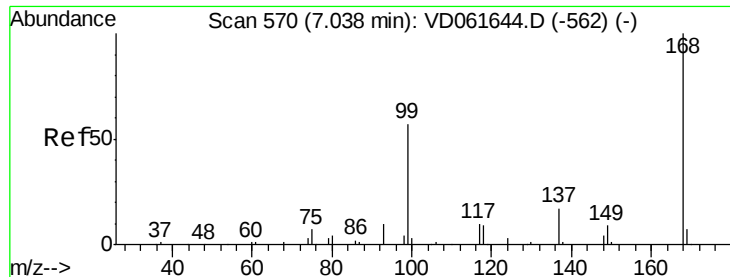
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041219\
Data File : VD061781.D
Acq On : 12 Apr 2019 16:32
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Sample : K2200-01
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ALS Vial : 13 Sample Multiplier: 1

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EO-01-040919-A

Quant Time: Apr 12 17:20:20 2019
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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: VD061781.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_D

ClientSampleId :

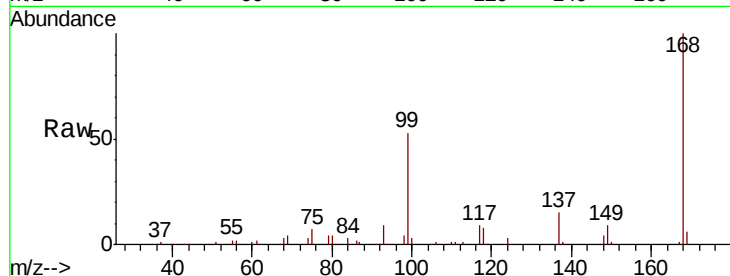
EO-01-040919-A

Tgt Ion:168 Resp: 602312

Ion Ratio Lower Upper

168 100

99 53.1 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

250000

200000

150000

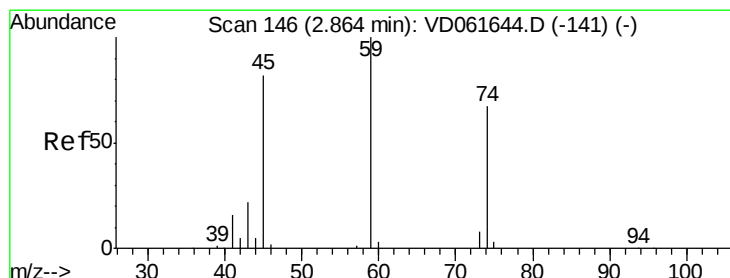
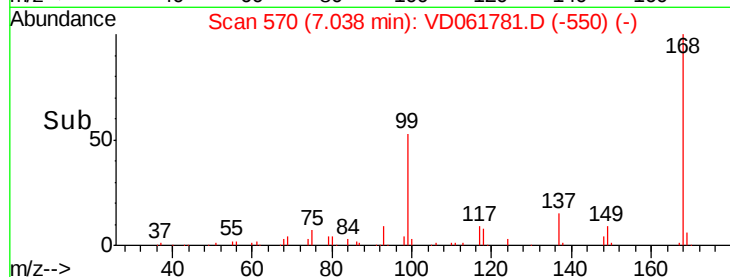
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#8

Diethyl Ether

Concen: 2.702 ug/l

RT: 2.87 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD061781.D

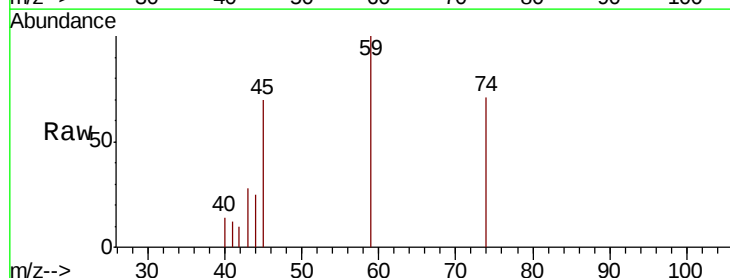
Acq: 12 Apr 2019 16:32

Tgt Ion: 74 Resp: 5618

Ion Ratio Lower Upper

74 100

45 98.2 61.0 183.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

3000

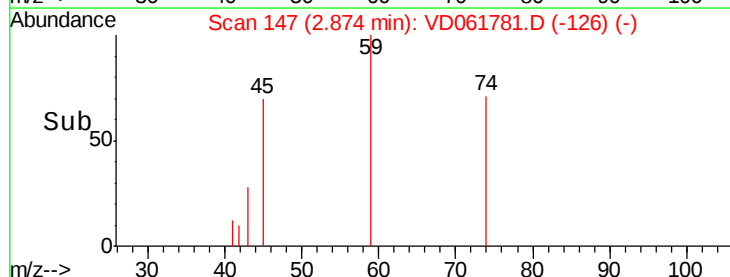
2000

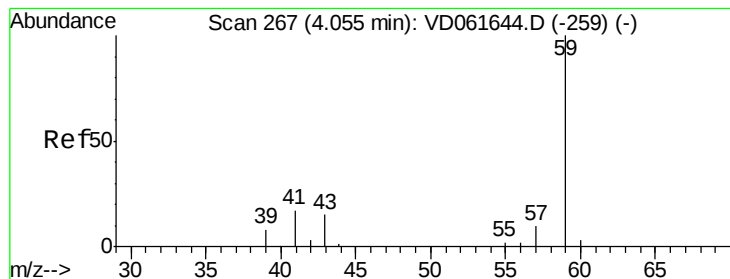
1000

0

Time-->

2.80 2.85 2.90





#11

Tert butyl alcohol

Concen: 1.163 ug/l

RT: 4.04 min Scan# 265

Delta R.T. -0.02 min

Lab File: VD061781.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_D

ClientSampleId :

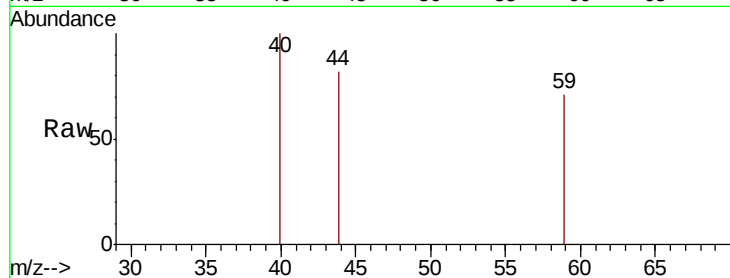
EO-01-040919-A

Tgt Ion: 59 Resp: 356

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.04

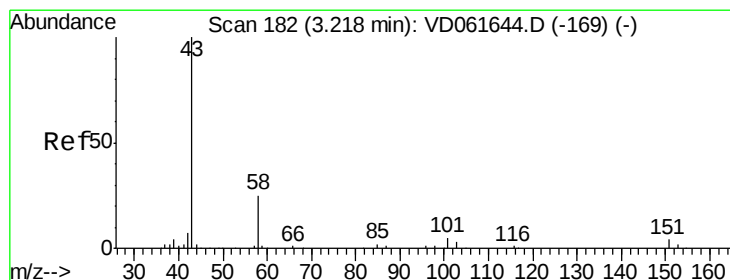
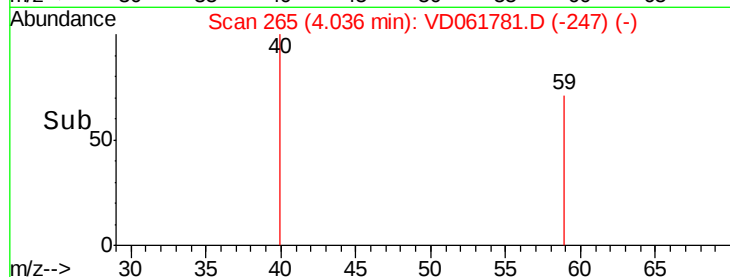
300

200

100

0

Time-->



#16

Acetone

Concen: 34.505 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD061781.D

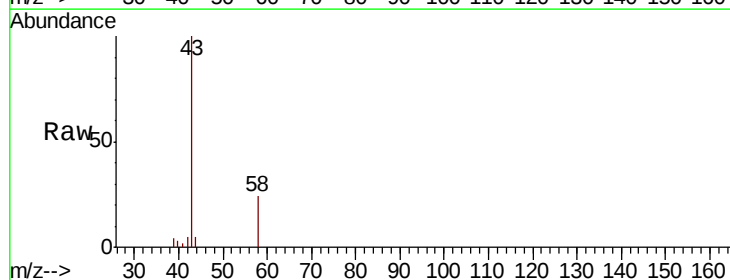
Acq: 12 Apr 2019 16:32

Tgt Ion: 43 Resp: 47091

Ion Ratio Lower Upper

43 100

58 24.0 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

20000

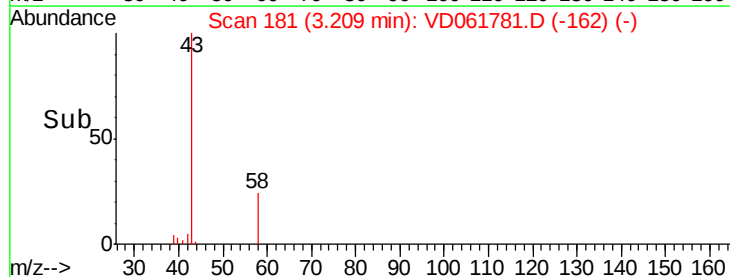
15000

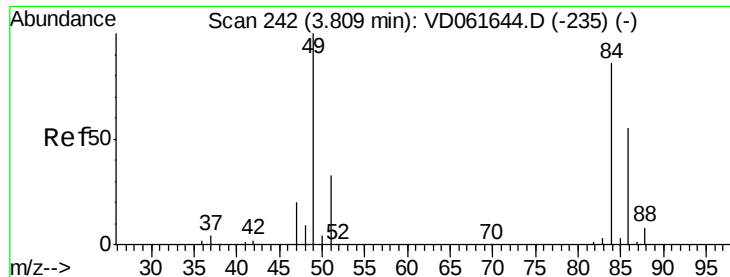
10000

5000

0

Time-->

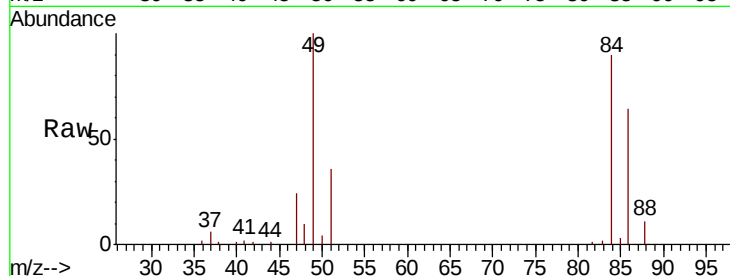




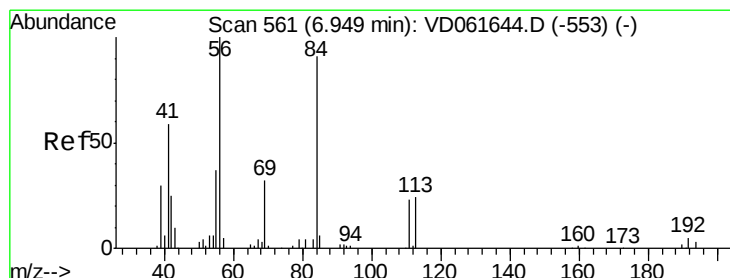
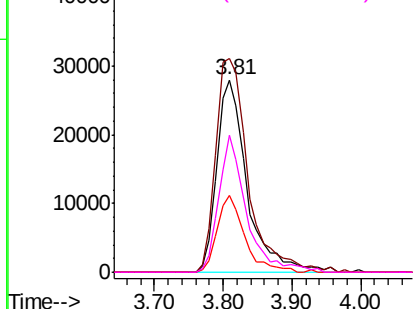
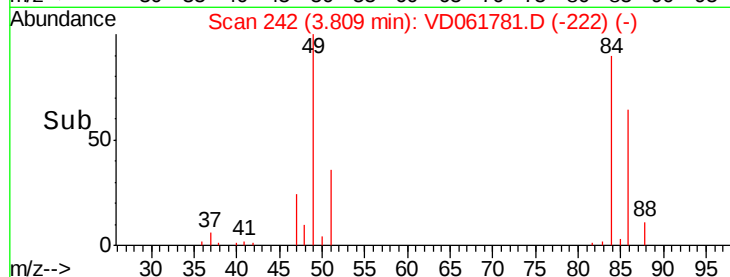
#20
Methylene Chloride
Concen: 10.993 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD061781.D
Acq: 12 Apr 2019 16:32

Instrument :
MSVOA_D
ClientSampleId :
EO-01-040919-A

Tgt Ion:	84	Resp:	85137
Ion	Ratio	Lower	Upper
84	100		
49	110.9	93.0	139.4
51	39.8	30.4	45.6
86	71.1	51.0	76.4

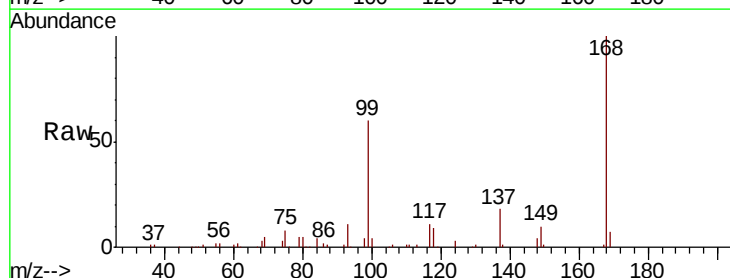


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

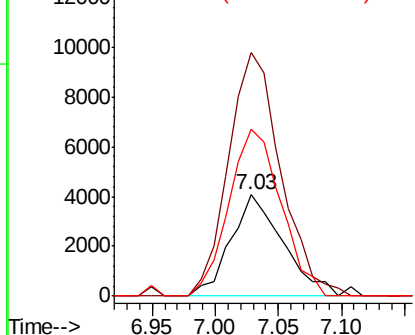
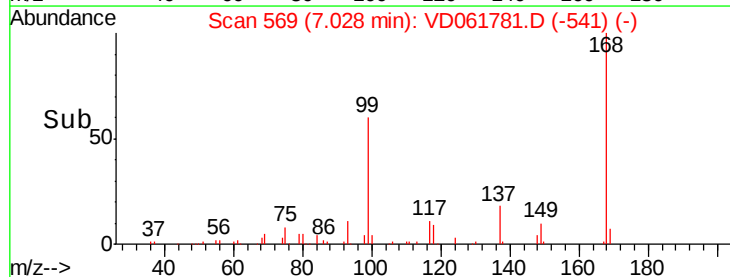


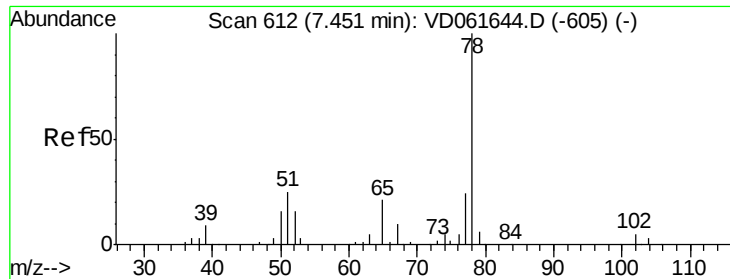
#31
Cyclohexane
Concen: 1.356 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.08 min
Lab File: VD061781.D
Acq: 12 Apr 2019 16:32

Tgt Ion:	56	Resp:	11653
Ion	Ratio	Lower	Upper
56	100		
69	241.0	25.8	38.6#
84	164.7	74.2	111.2#



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

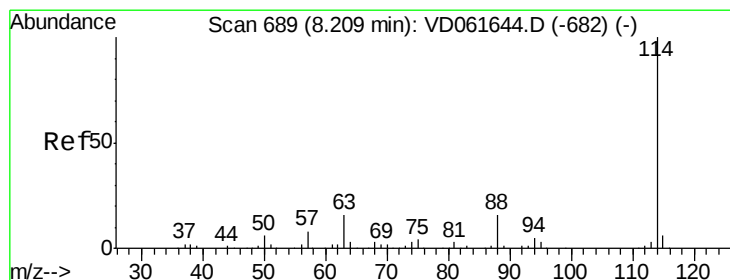
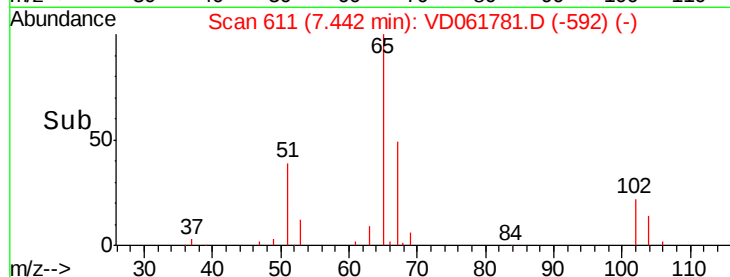
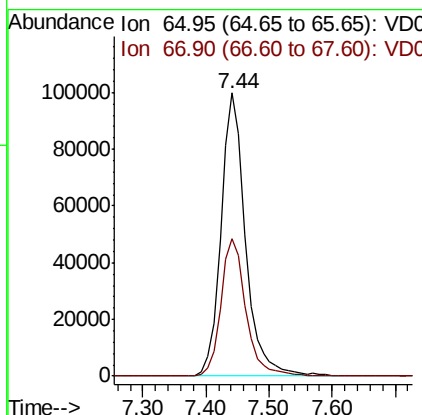
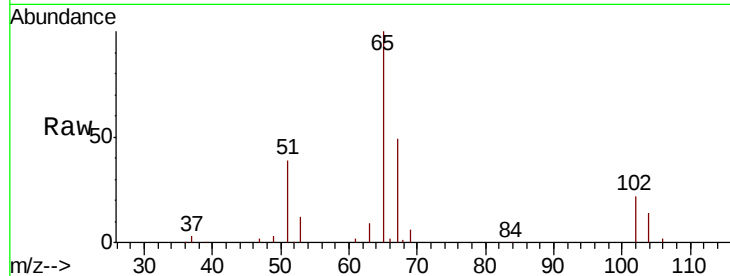




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD061781.D
 Acq: 12 Apr 2019 16:32

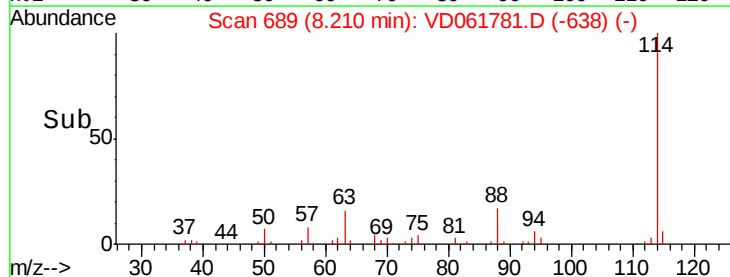
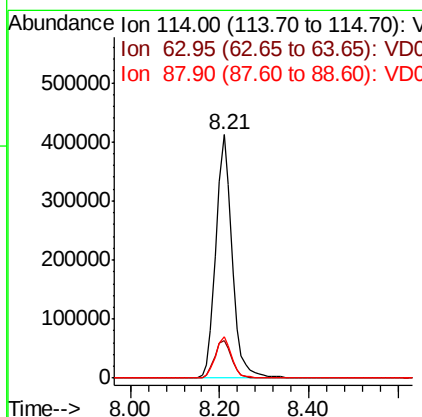
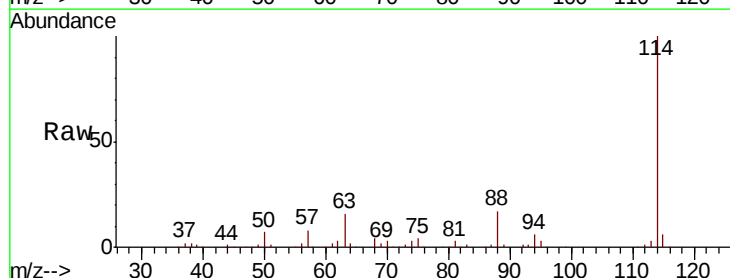
Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-040919-A

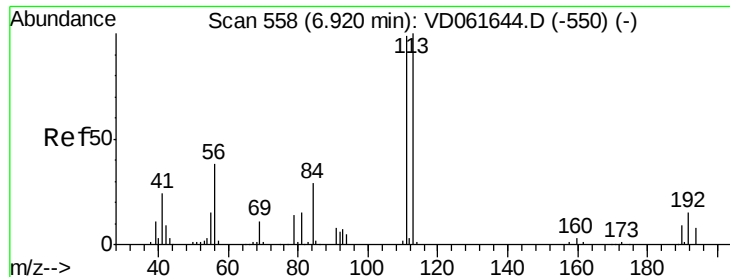
Tgt Ion: 65 Resp: 269501
 Ion Ratio Lower Upper
 65 100
 67 48.5 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD061781.D
 Acq: 12 Apr 2019 16:32

Tgt Ion: 114 Resp: 1041470
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.2
 88 17.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD061781.D

Acq: 12 Apr 2019 16:32

Instrument :
MSVOA_D
ClientSampleId :
EO-01-040919-A

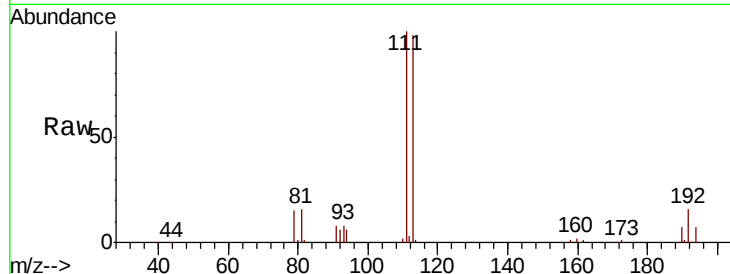
Tgt Ion:113 Resp: 389806

Ion Ratio Lower Upper

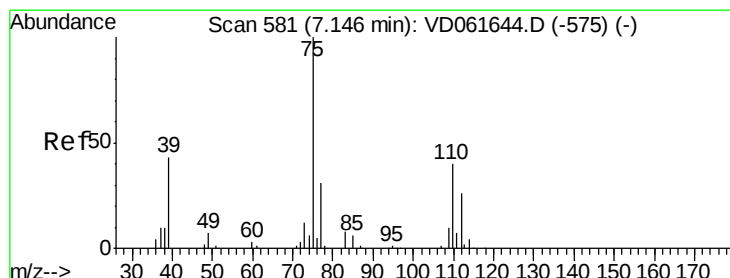
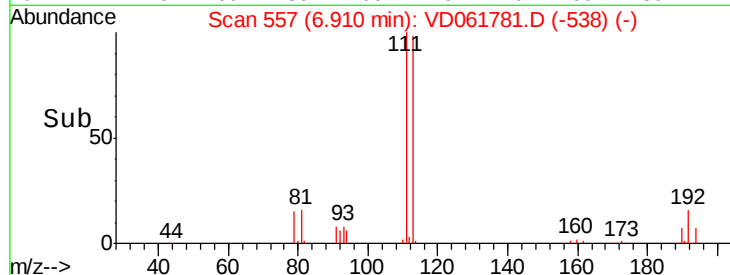
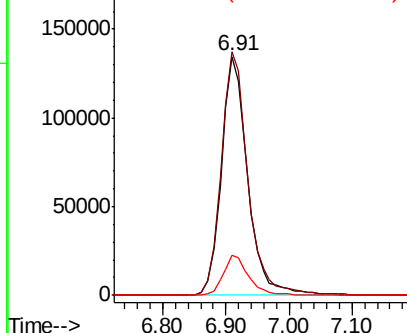
113 100

111 101.9 79.3 118.9

192 16.7 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: 4.927 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.12 min

Lab File: VD061781.D

Acq: 12 Apr 2019 16:32

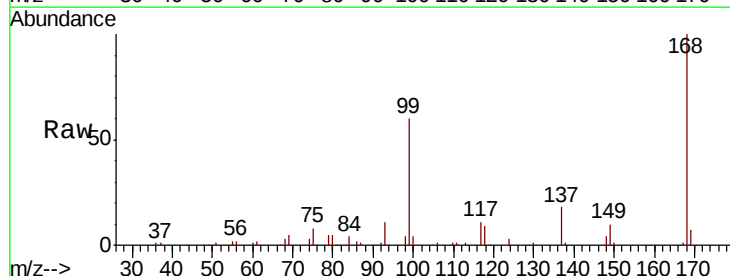
Tgt Ion: 75 Resp: 44909

Ion Ratio Lower Upper

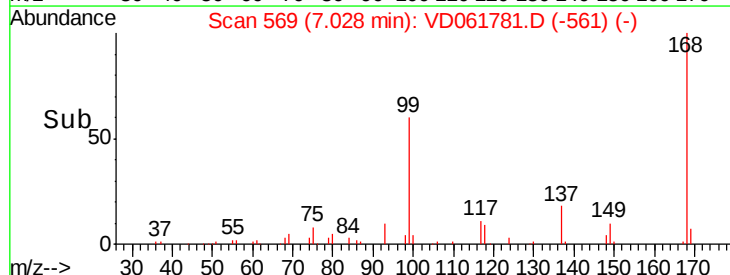
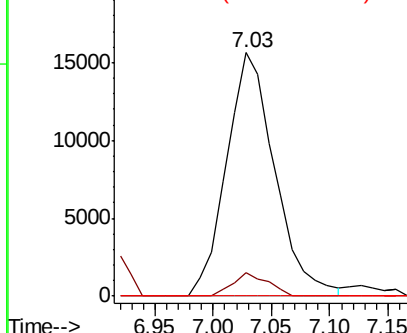
75 100

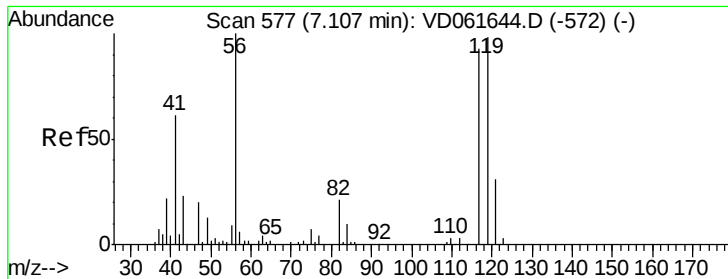
110 9.8 19.7 59.0#

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

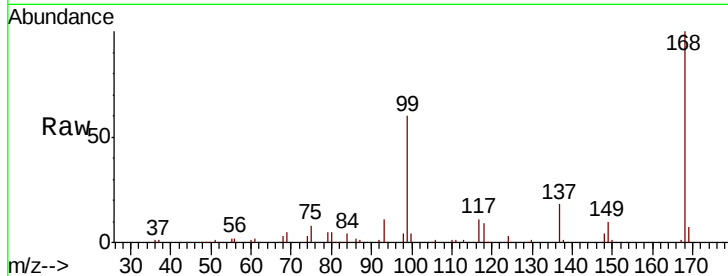




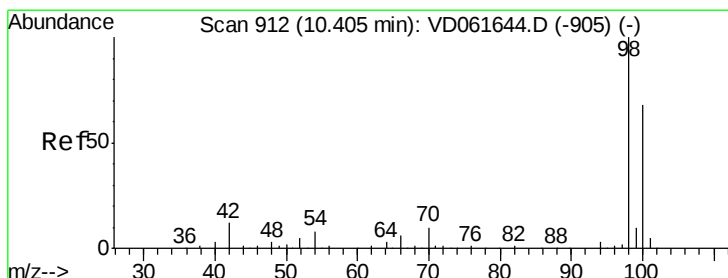
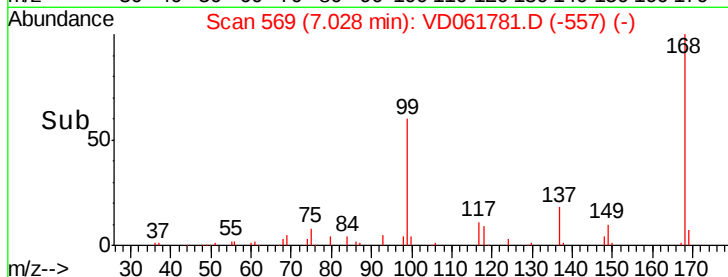
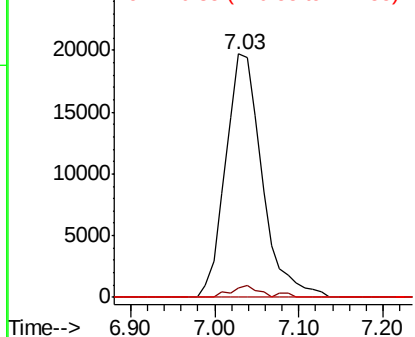
#38
Carbon Tetrachloride
Concen: 5.564 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.08 min
Lab File: VD061781.D
Acq: 12 Apr 2019 16:32

Instrument :
MSVOA_D
ClientSampleId :
EO-01-040919-A

Tgt Ion:117 Resp: 59433
Ion Ratio Lower Upper
117 100
119 4.1 77.9 116.9#
121 0.0 24.7 37.1#

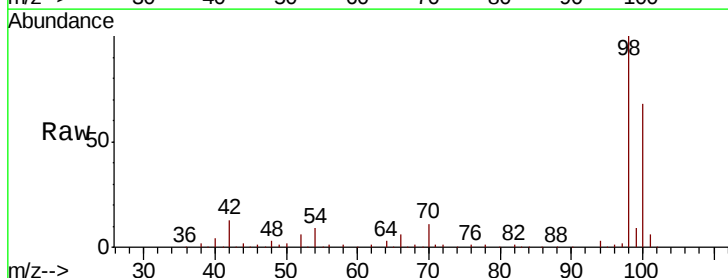


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

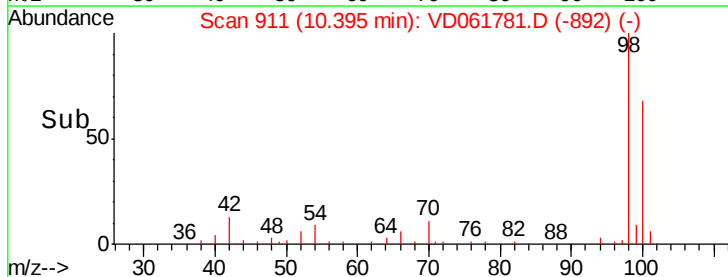
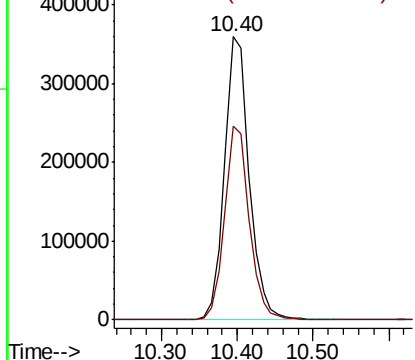


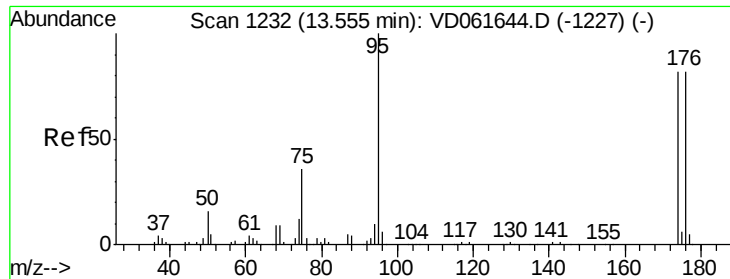
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD061781.D
Acq: 12 Apr 2019 16:32

Tgt Ion: 98 Resp: 814020
Ion Ratio Lower Upper
98 100
100 68.5 55.4 83.0



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061781.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_D

ClientSampleId :

EO-01-040919-A

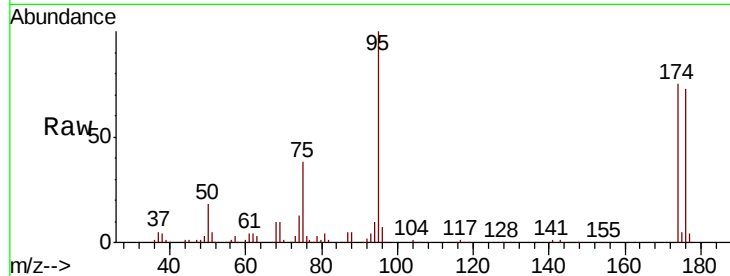
Tgt Ion: 95 Resp: 277632

Ion Ratio Lower Upper

95 100

174 74.7 0.0 164.6

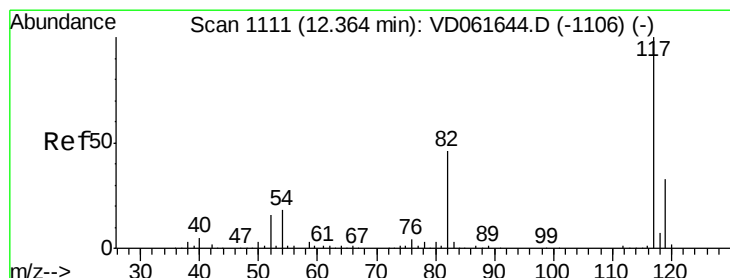
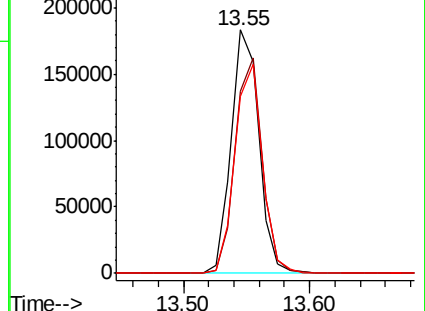
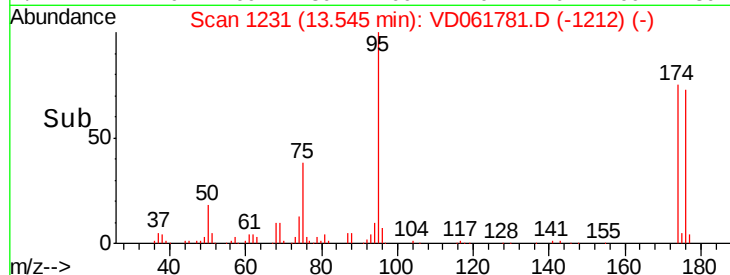
176 72.7 0.0 165.0



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: 12.35 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD061781.D

Acq: 12 Apr 2019 16:32

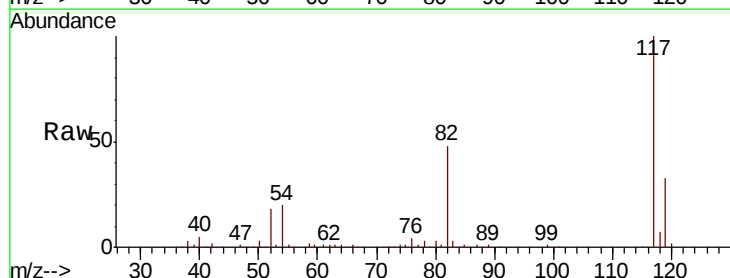
Tgt Ion: 117 Resp: 776493

Ion Ratio Lower Upper

117 100

82 48.0 36.8 55.2

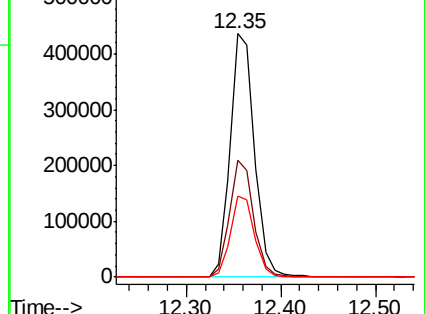
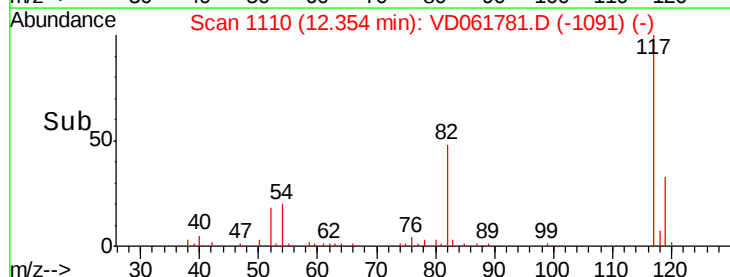
119 33.2 26.1 39.1

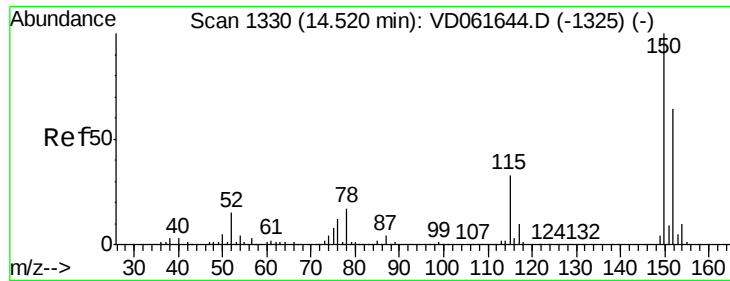


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD061781.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_D

ClientSampleId :

EO-01-040919-A

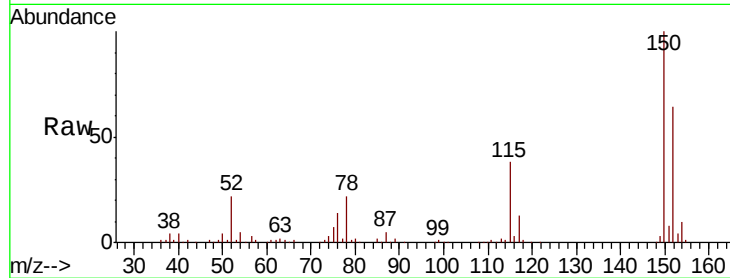
Tgt Ion: 152 Resp: 315085

Ion Ratio Lower Upper

152 100

115 60.0 26.4 79.2

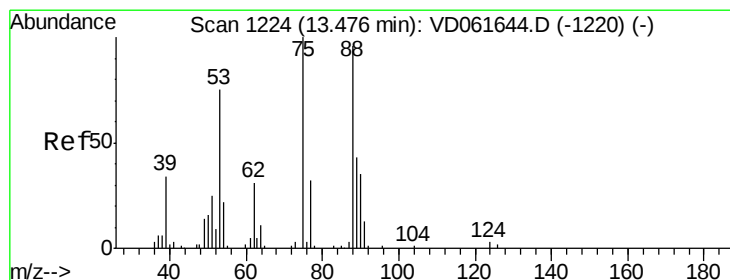
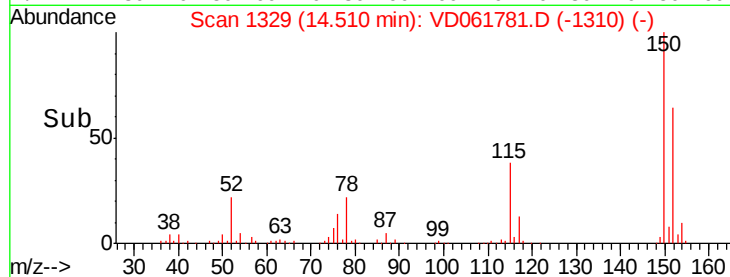
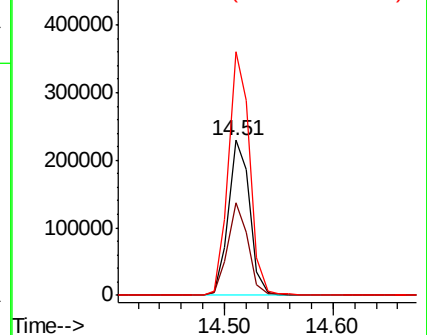
150 157.1 0.0 320.6



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



#81

trans-1,4-Dichloro-2-butene

Concen: 79.813 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD061781.D

Acq: 12 Apr 2019 16:32

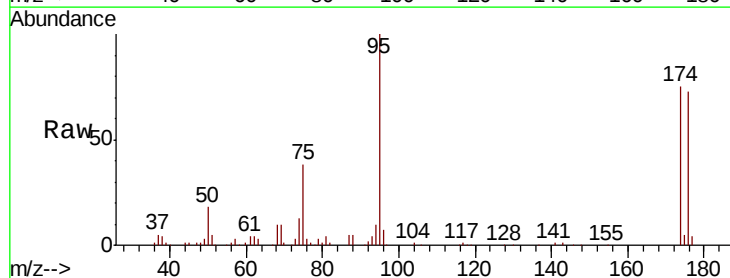
Tgt Ion: 75 Resp: 103823

Ion Ratio Lower Upper

75 100

53 0.0 60.2 90.2#

89 0.0 34.2 51.2#



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

