

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041219\
 Data File : VD061777.D
 Acq On : 12 Apr 2019 14:40
 Operator : VA/AP
 Sample : K2203-07RE
 Misc : 6.95g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Apr 12 17:08:42 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	7.03	168	648487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	990611	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	818704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	342260	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	241901	49.21	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	98.42%	
35) Dibromofluoromethane	6.90	113	384555	56.04	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	112.08%	
50) Toluene-d8	10.40	98	831671	48.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.48%	
62) 4-Bromofluorobenzene	13.55	95	308719	51.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.38%	
Target Compounds						
8) Diethyl Ether	2.87	74	4027	1.799	ug/l	77
10) Methyl Iodide	3.31	142	178	3.669	ug/l #	38
16) Acetone	3.21	43	20010	13.618	ug/l	96
20) Methylene Chloride	3.81	84	56039	6.721	ug/l	94
31) Cyclohexane	7.03	56	11972	1.294	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	47063	5.428	ug/l #	47
38) Carbon Tetrachloride	7.03	117	64841	6.381	ug/l #	16
51) 4-Methyl-2-Pentanone	10.39	43	3074	1.014	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	115381	81.656	ug/l #	20

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061777.D

Acq: 12 Apr 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

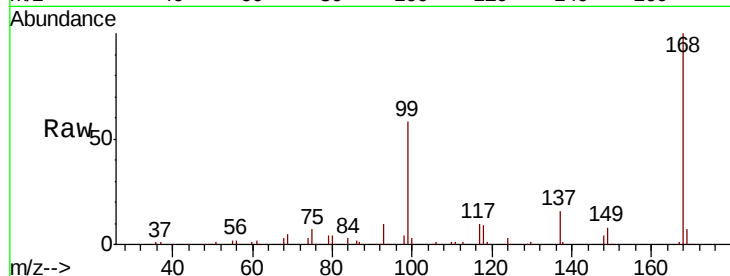
SU-04-040919-B

Tgt Ion:168 Resp: 648487

Ion Ratio Lower Upper

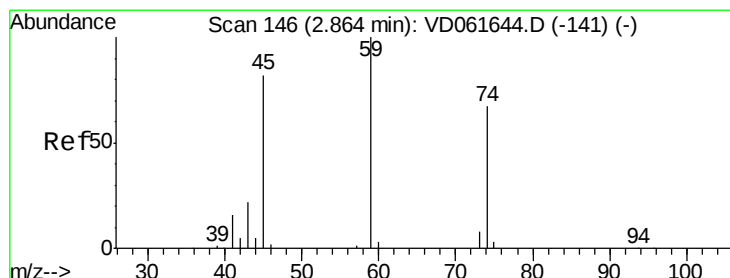
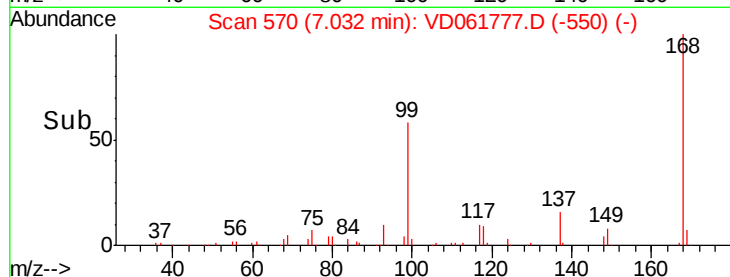
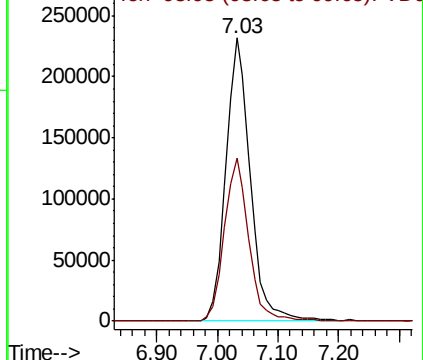
168 100

99 57.5 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.799 ug/l

RT: 2.87 min Scan# 147

Delta R.T. 0.00 min

Lab File: VD061777.D

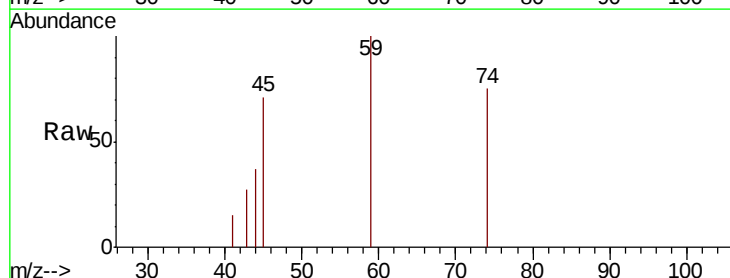
Acq: 12 Apr 2019 14:40

Tgt Ion: 74 Resp: 4027

Ion Ratio Lower Upper

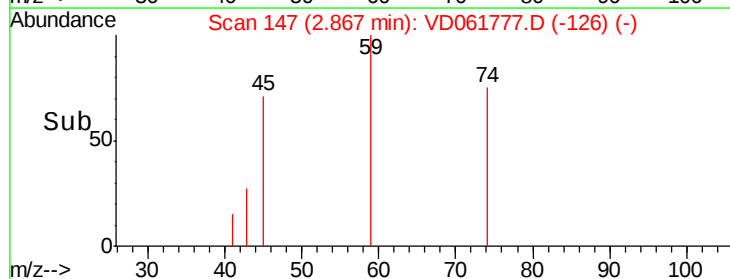
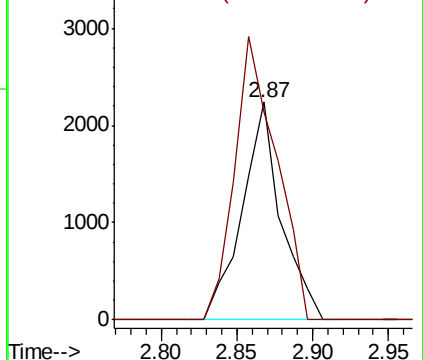
74 100

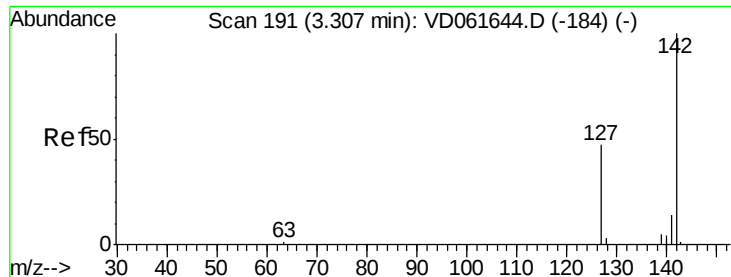
45 95.7 61.0 183.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

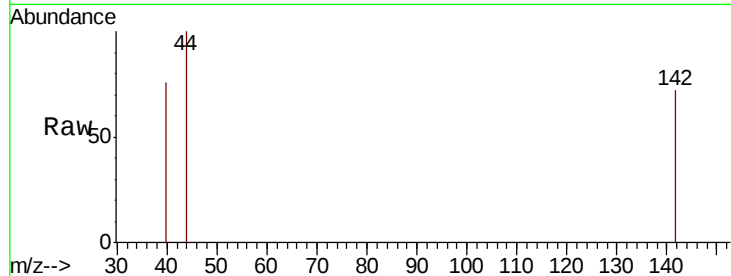




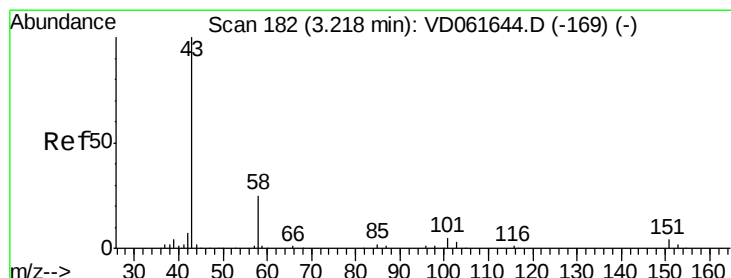
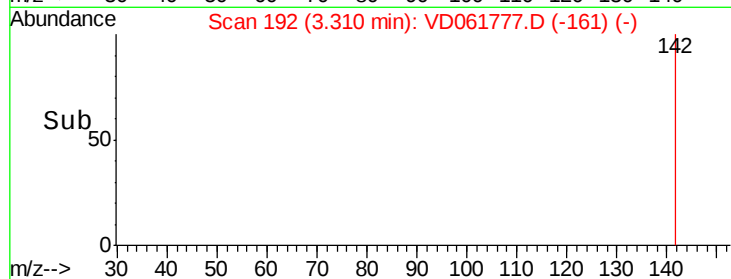
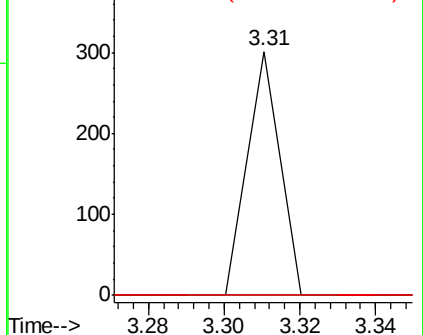
#10
Methyl Iodide
Concen: 3.669 ug/l
RT: 3.31 min Scan# 192
Delta R.T. 0.00 min
Lab File: VD061777.D
Acq: 12 Apr 2019 14:40

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

Tgt Ion: 142 Resp: 178
Ion Ratio Lower Upper
142 100
127 0.0 37.2 55.8#
141 0.0 10.8 16.2#

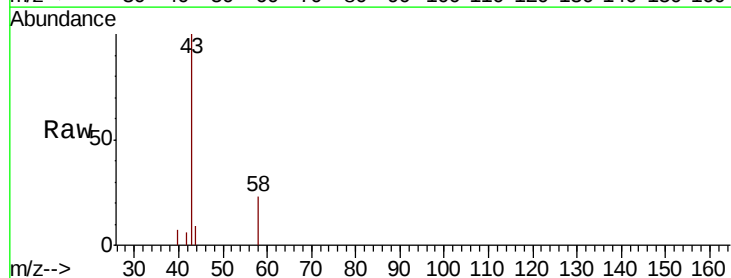


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

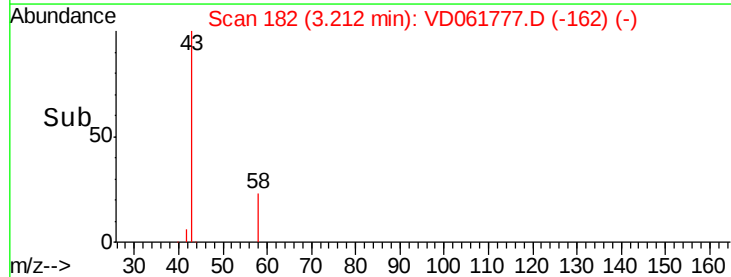
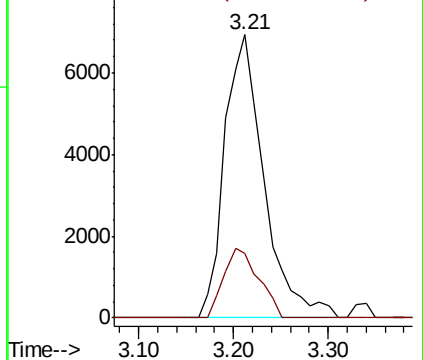


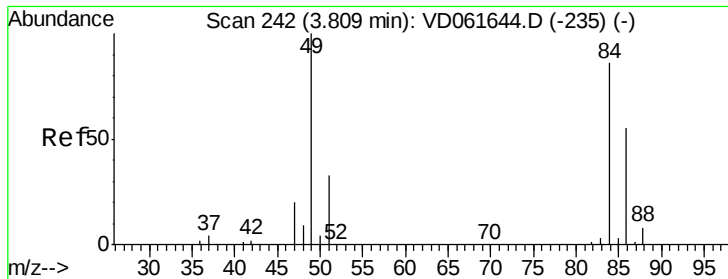
#16
Acetone
Concen: 13.618 ug/l
RT: 3.21 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD061777.D
Acq: 12 Apr 2019 14:40

Tgt Ion: 43 Resp: 20010
Ion Ratio Lower Upper
43 100
58 22.7 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): V
Ion 57.95 (57.65 to 58.65): V

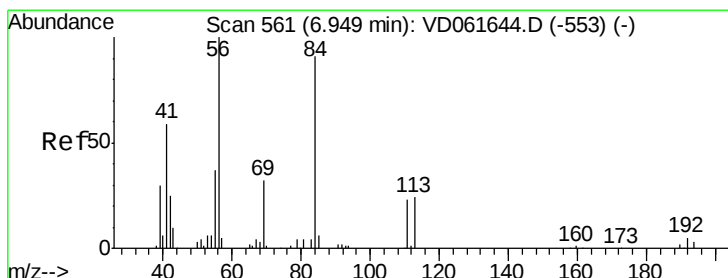
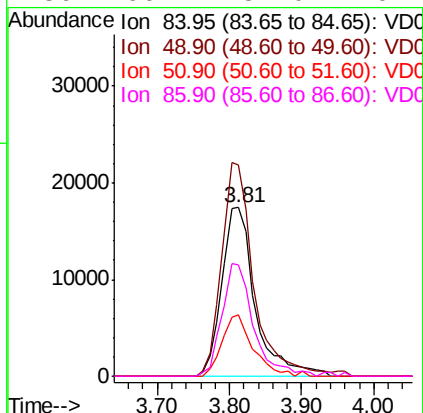
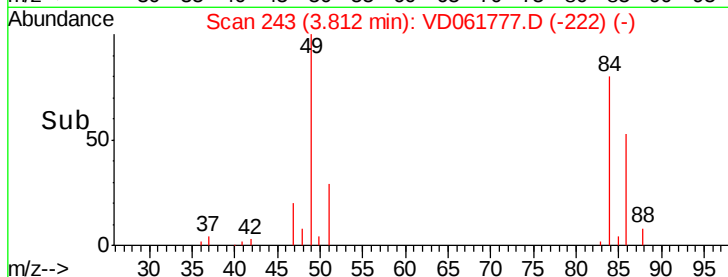
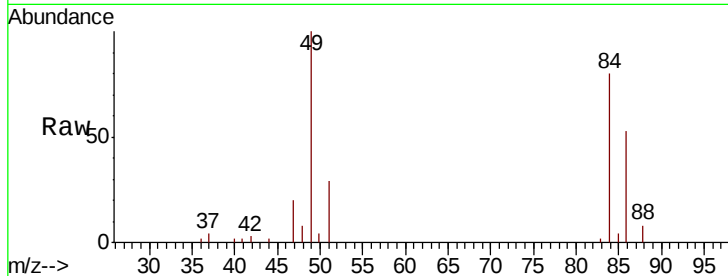




#20
Methylene Chloride
Concen: 6.721 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.00 min
Lab File: VD061777.D
Acq: 12 Apr 2019 14:40

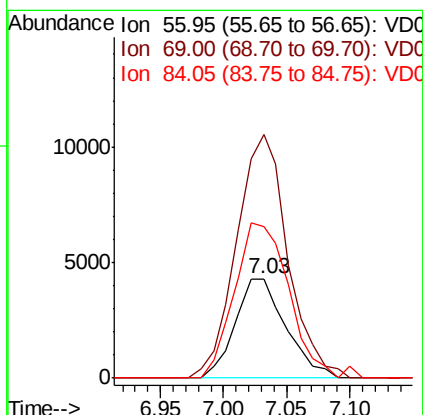
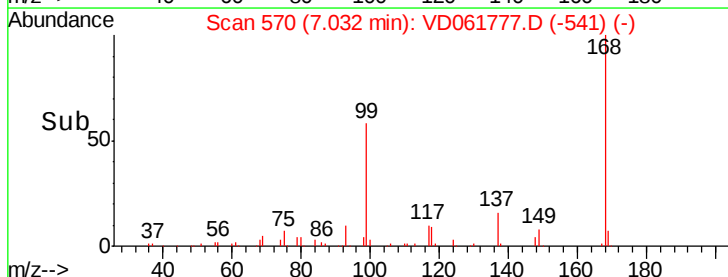
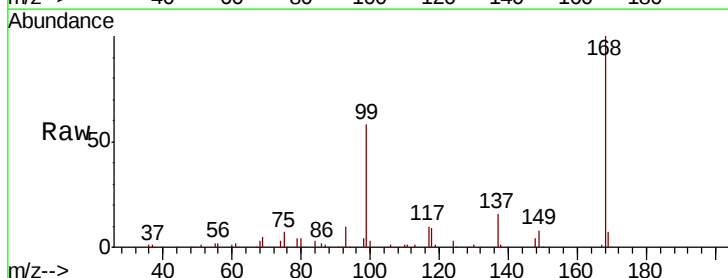
Instrument :
MSVOA_D
ClientSampleId :
SU-04-040919-B

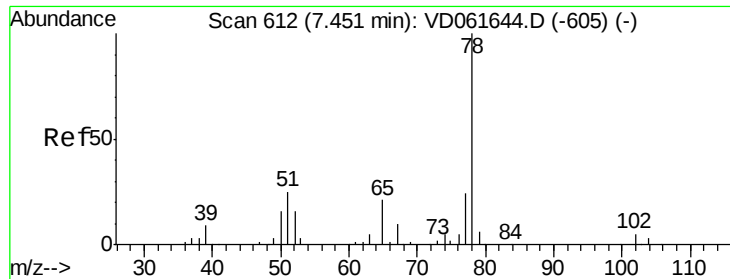
Tgt Ion:	84	Resp:	56039
Ion	Ratio	Lower	Upper
84	100		
49	125.2	93.0	139.4
51	36.5	30.4	45.6
86	66.4	51.0	76.4



#31
Cyclohexane
Concen: 1.294 ug/l
RT: 7.03 min Scan# 570
Delta R.T. 0.08 min
Lab File: VD061777.D
Acq: 12 Apr 2019 14:40

Tgt Ion:	56	Resp:	11972
Ion	Ratio	Lower	Upper
56	100		
69	245.4	25.8	38.6#
84	152.6	74.2	111.2#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD061777.D

Acq: 12 Apr 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

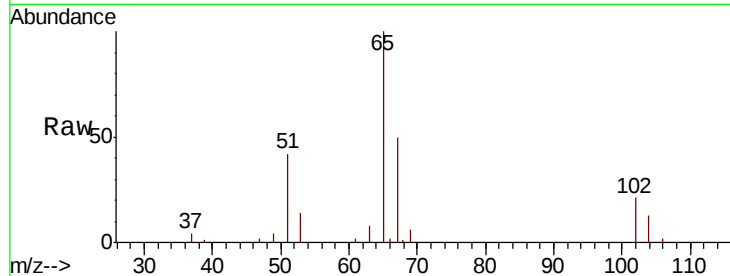
SU-04-040919-B

Tgt Ion: 65 Resp: 241901

Ion Ratio Lower Upper

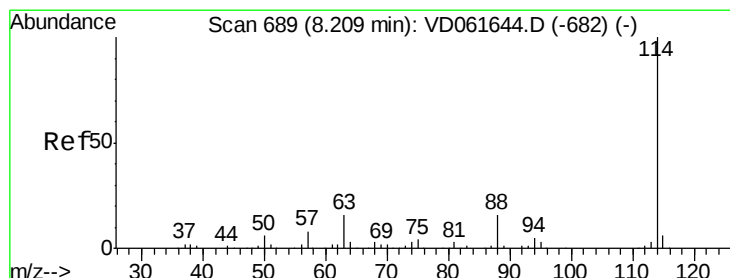
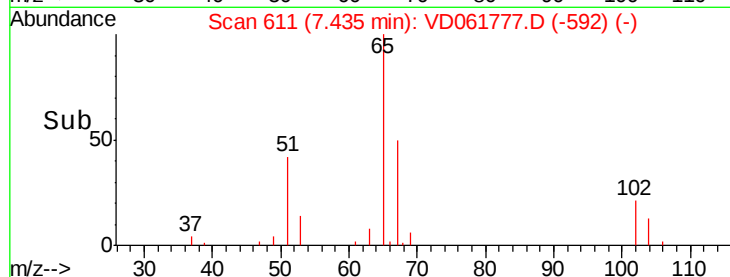
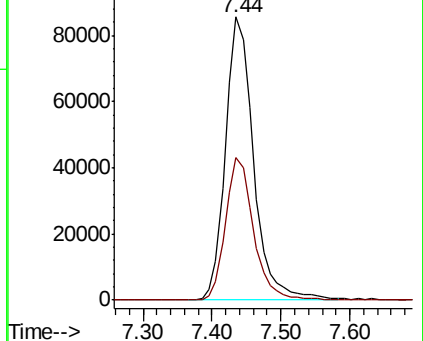
65 100

67 50.2 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: 8.20 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD061777.D

Acq: 12 Apr 2019 14:40

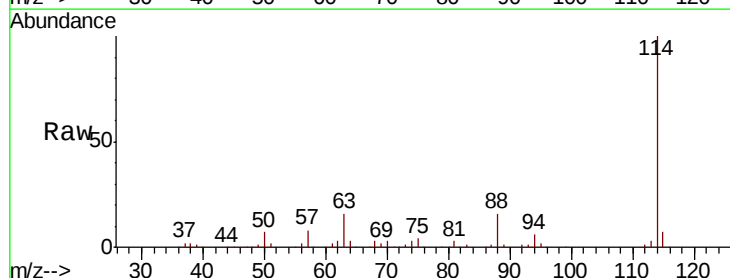
Tgt Ion: 114 Resp: 990611

Ion Ratio Lower Upper

114 100

63 16.2 0.0 31.2

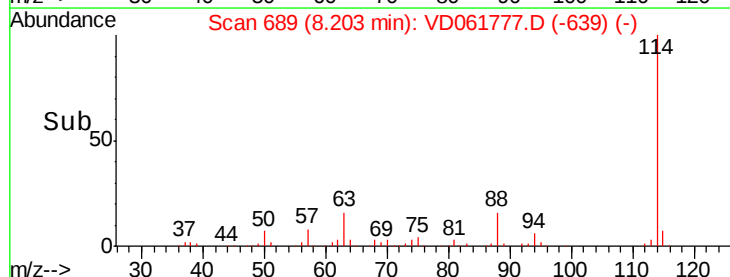
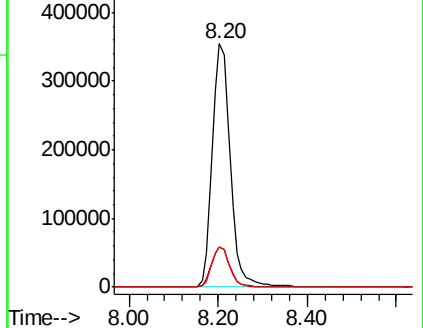
88 16.3 0.0 31.8

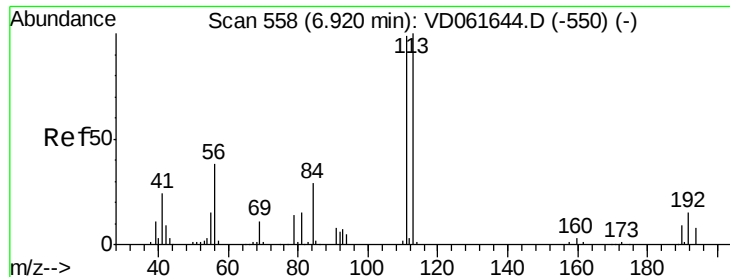


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

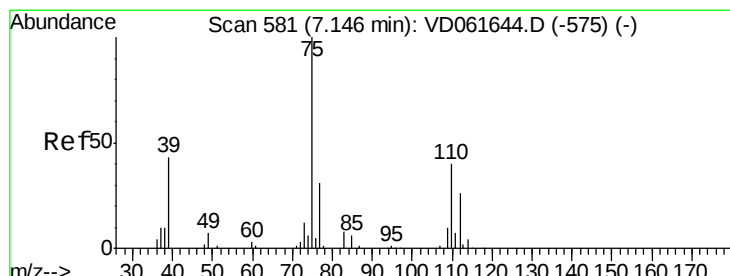
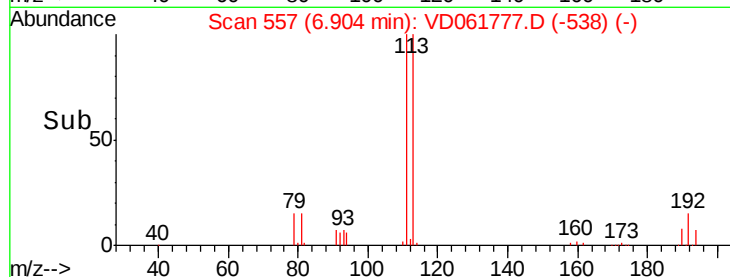
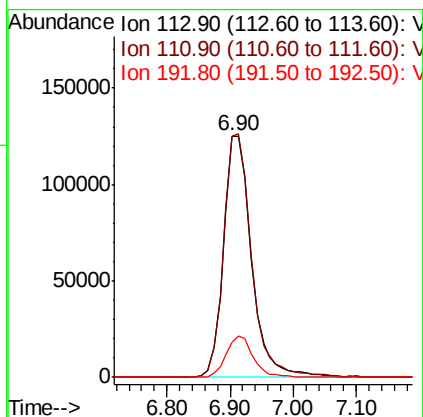
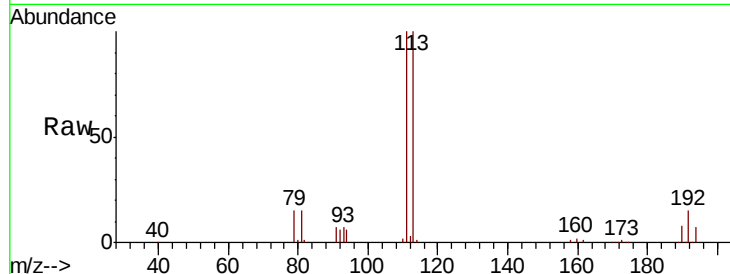




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.90 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD061777.D
 Acq: 12 Apr 2019 14:40

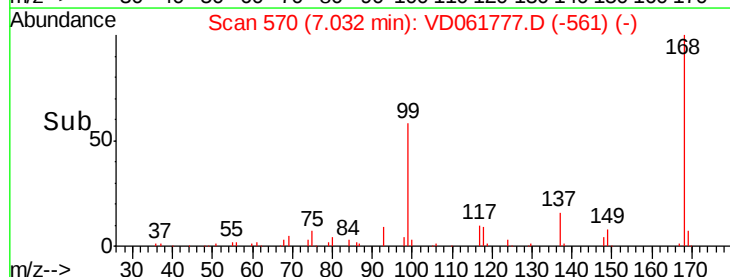
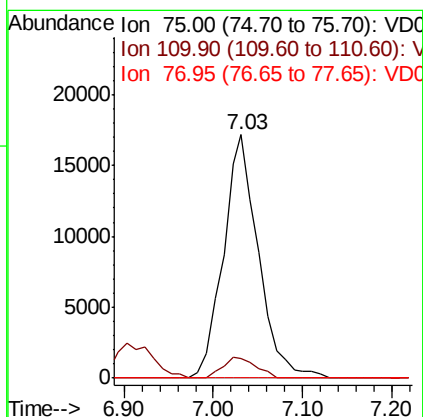
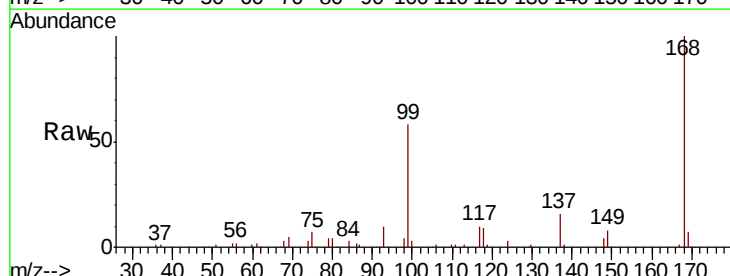
Instrument :
 MSVOA_D
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 SU-04-040919-B

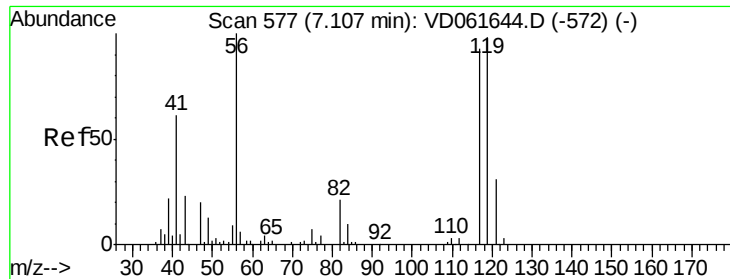
Tgt Ion: 113 Resp: 384555
 Ion Ratio Lower Upper
 113 100
 111 100.0 79.3 118.9
 192 14.7 12.3 18.5



#36
 1,1-Dichloropropene
 Concen: 5.428 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.11 min
 Lab File: VD061777.D
 Acq: 12 Apr 2019 14:40

Tgt Ion: 75 Resp: 47063
 Ion Ratio Lower Upper
 75 100
 110 8.1 19.7 59.0#
 77 0.0 24.8 37.2#

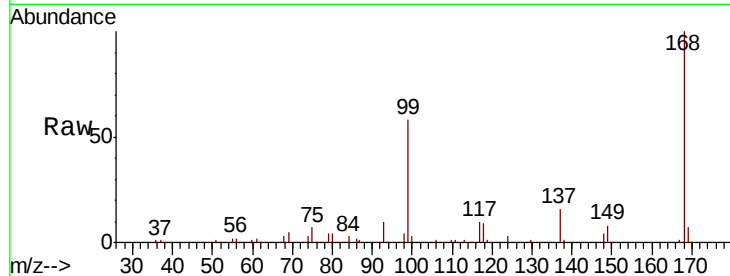




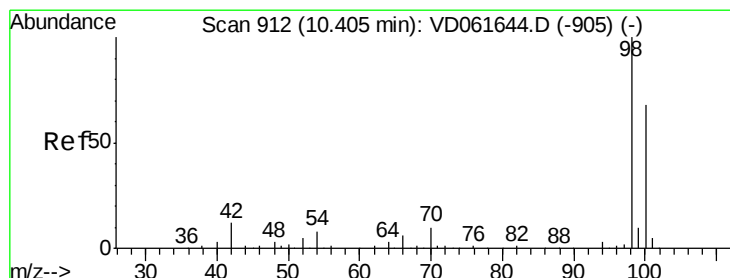
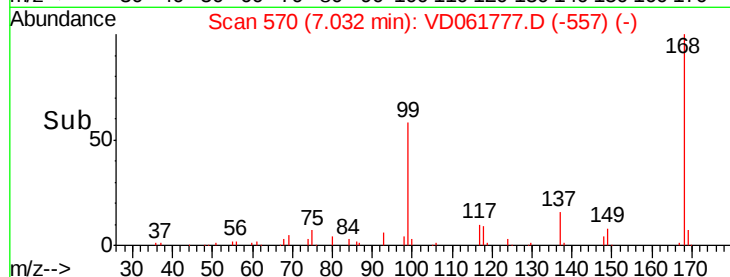
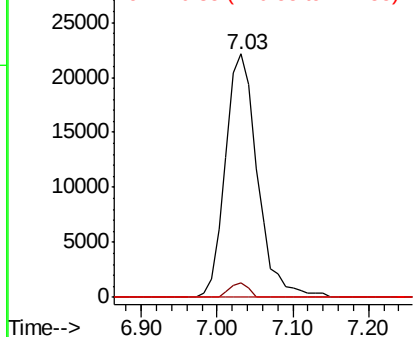
#38
Carbon Tetrachloride
Concen: 6.381 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.08 min
Lab File: VD061777.D
Acq: 12 Apr 2019 14:40

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

Tgt Ion:117 Resp: 64841
Ion Ratio Lower Upper
117 100
119 5.7 77.9 116.9#
121 0.0 24.7 37.1#

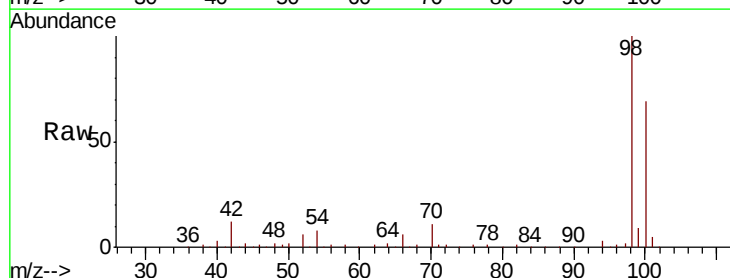


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

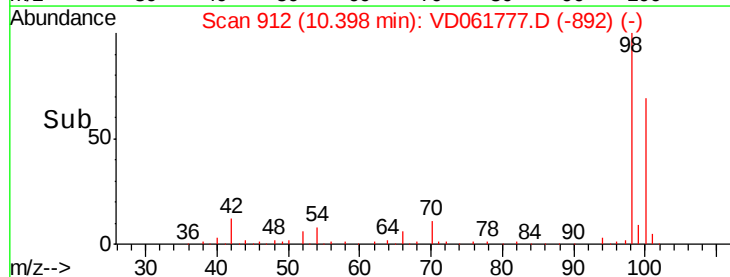
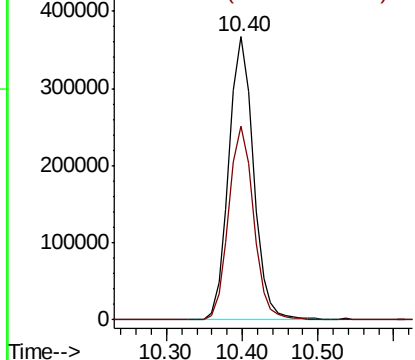


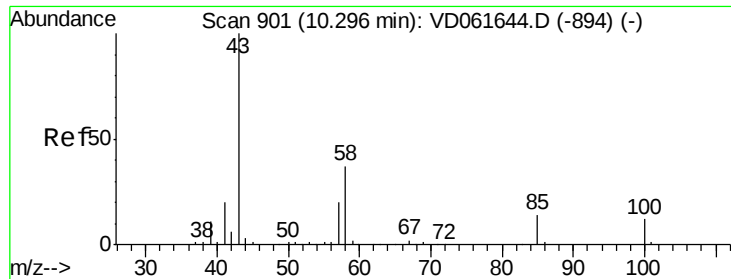
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD061777.D
Acq: 12 Apr 2019 14:40

Tgt Ion: 98 Resp: 831671
Ion Ratio Lower Upper
98 100
100 68.7 55.4 83.0



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

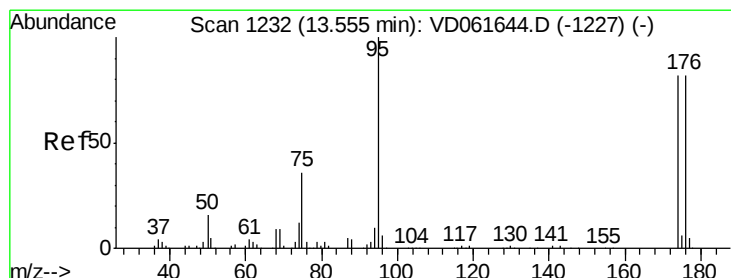
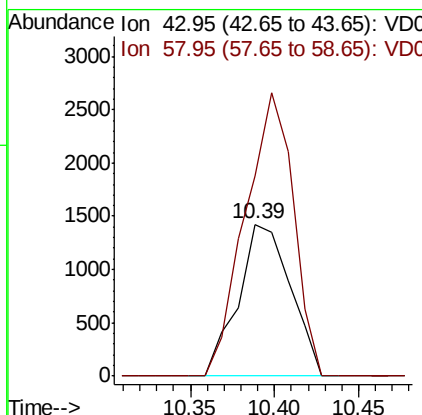
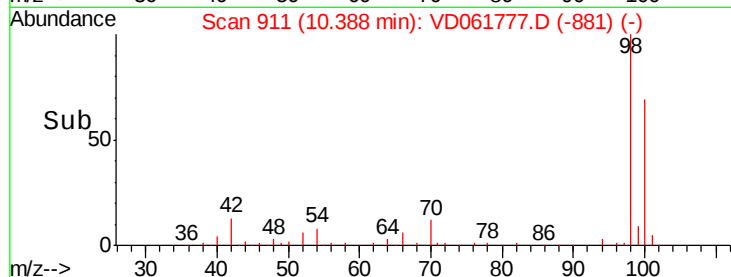
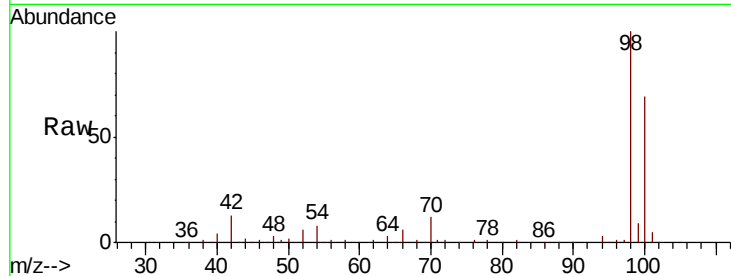




#51
 4-Methyl-2-Pentanone
 Concen: 1.014 ug/l
 RT: 10.39 min Scan# 911
 Delta R.T. 0.09 min
 Lab File: VD061777.D
 Acq: 12 Apr 2019 14:40

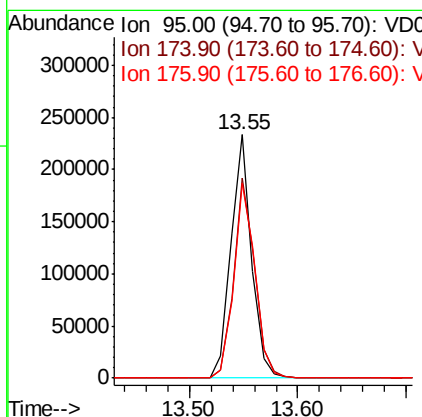
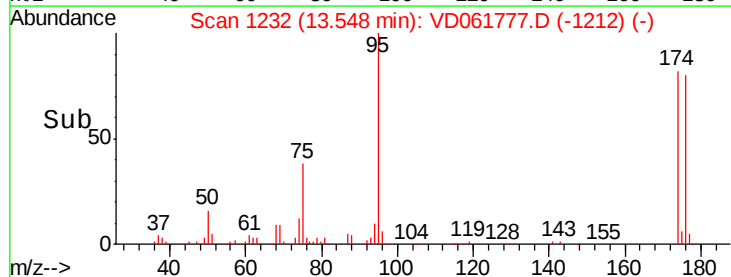
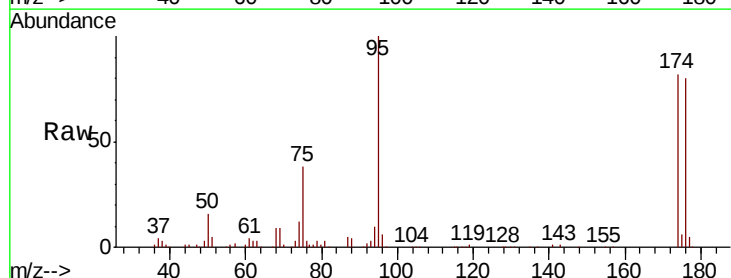
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-040919-B

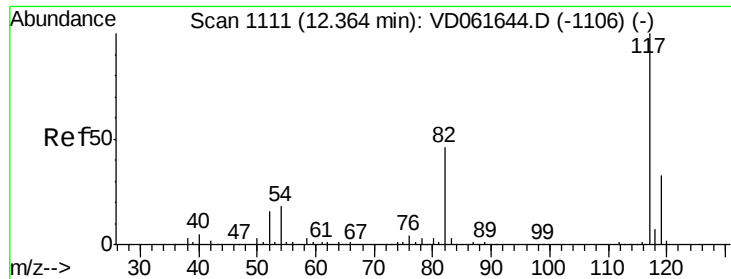
Tgt Ion: 43 Resp: 3074
 Ion Ratio Lower Upper
 43 100
 58 131.5 29.8 44.8#



#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD061777.D
 Acq: 12 Apr 2019 14:40

Tgt Ion: 95 Resp: 308719
 Ion Ratio Lower Upper
 95 100
 174 82.0 0.0 164.6
 176 80.0 0.0 165.0

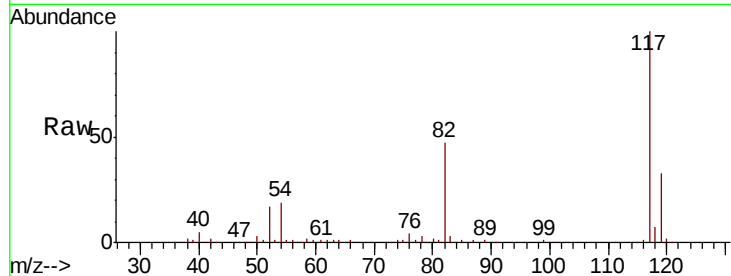




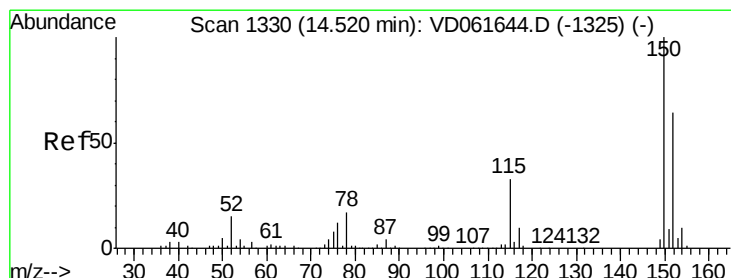
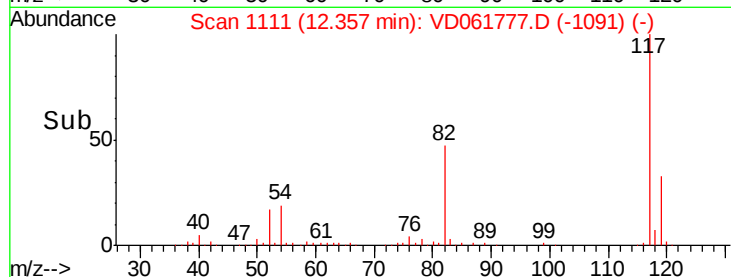
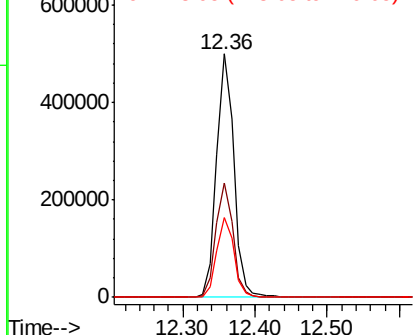
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061777.D
Acq: 12 Apr 2019 14:40

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

Tgt Ion:117 Resp: 818704
Ion Ratio Lower Upper
117 100
82 46.8 36.8 55.2
119 32.9 26.1 39.1

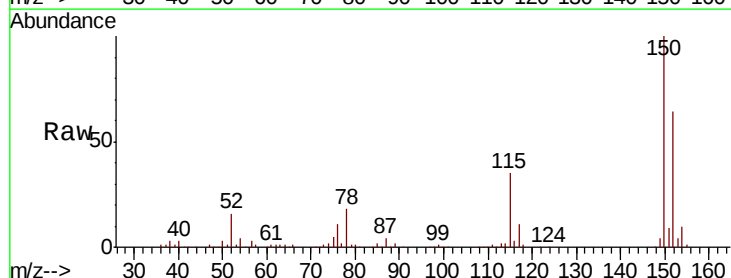


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

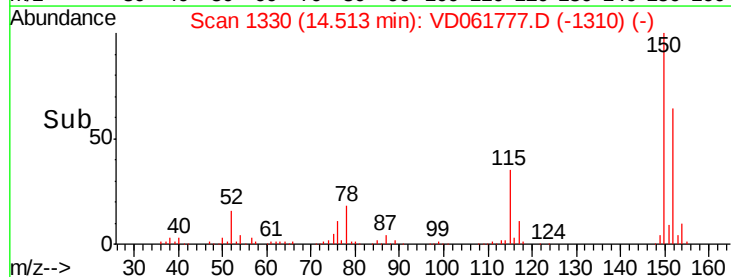
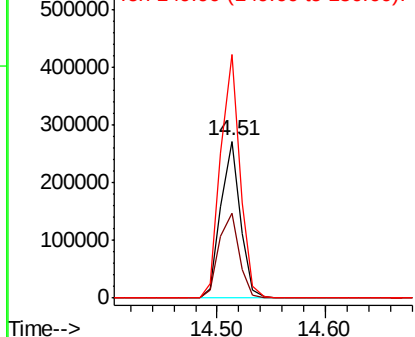


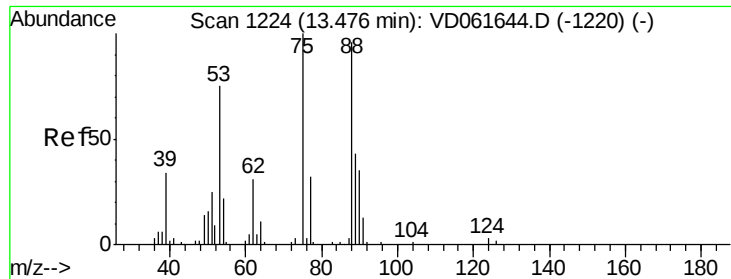
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD061777.D
Acq: 12 Apr 2019 14:40

Tgt Ion:152 Resp: 342260
Ion Ratio Lower Upper
152 100
115 54.3 26.4 79.2
150 155.2 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: 81.656 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD061777.D

Acq: 12 Apr 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

SU-04-040919-B

Tgt Ion: 75 Resp: 115381

Ion Ratio Lower Upper

75 100

53 0.0 60.2 90.2#

89 0.0 34.2 51.2#

