

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061171.D
 Acq On : 19 Mar 2019 5:01
 Operator : VA/AP
 Sample : K1928-07RE
 Misc : 6.54g/5ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 19 08:23:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	612115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1135117	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	901754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	360067	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	281023	55.16	ug/l	0.00
Spiked Amount			Recovery	=	110.32%	
35) Dibromofluoromethane	6.91	113	419067	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
50) Toluene-d8	10.40	98	1004943	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	
62) 4-Bromofluorobenzene	13.55	95	368630	44.91	ug/l	0.00
Spiked Amount			Recovery	=	89.82%	

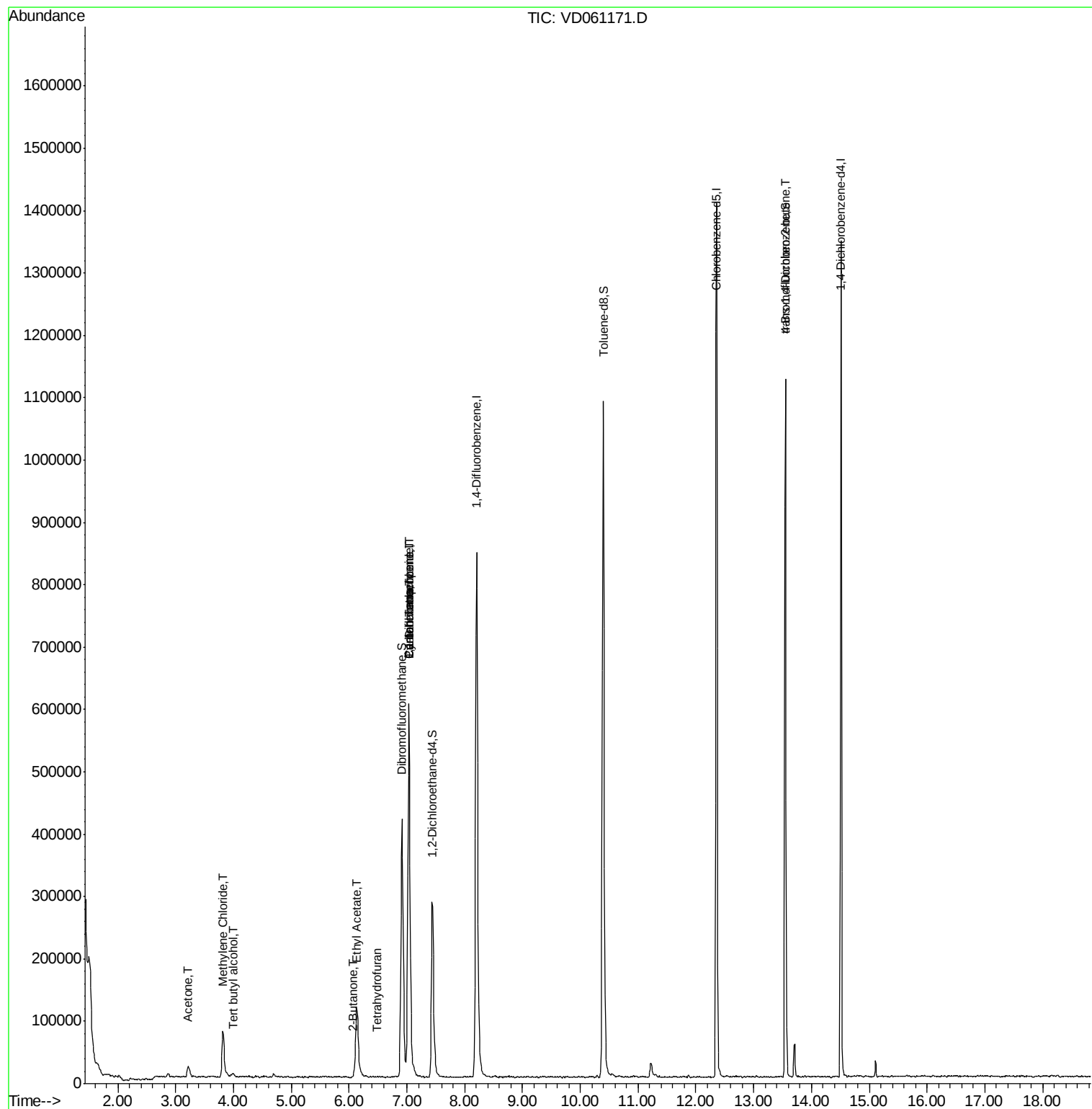
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.98	59	4583	14.129	ug/l #	75
16) Acetone	3.21	43	38830	26.651	ug/l	99
20) Methylene Chloride	3.82	84	58625	4.589	ug/l	89
25) 2-Butanone	6.06	43	1667	1.008	ug/l #	55
29) Tetrahydrofuran	6.47	42	1258	1.401	ug/l #	33
31) Cyclohexane	7.03	56	10750	1.192	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	44466	4.545	ug/l #	46
37) Ethyl Acetate	6.13	43	7875	1.715	ug/l #	13
38) Carbon Tetrachloride	7.03	117	57403	5.326	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	138524	90.703	ug/l #	17

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

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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061171.D

Acq: 19 Mar 2019 5:01

Instrument :

MSVOA_D

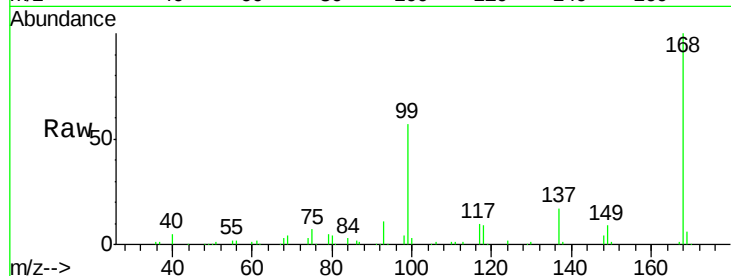
ClientSampleId :

Tot Ion:168 Resp: 612115

Ion Ratio Lower Upper

168 100

99 57.1 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

250000

200000

150000

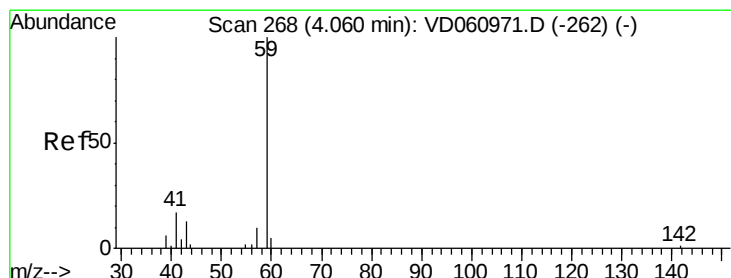
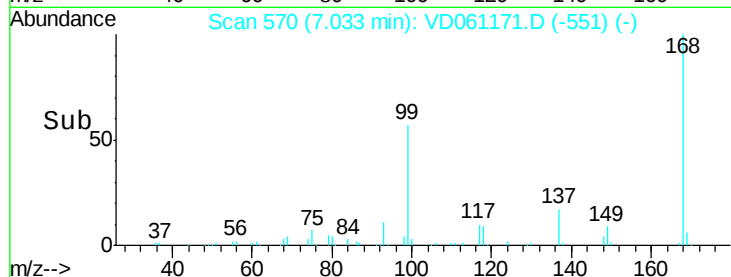
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#11

Tert butyl alcohol

Concen: 14.129 ug/l

RT: 3.98 min Scan# 260

Delta R.T. -0.08 min

Lab File: VD061171.D

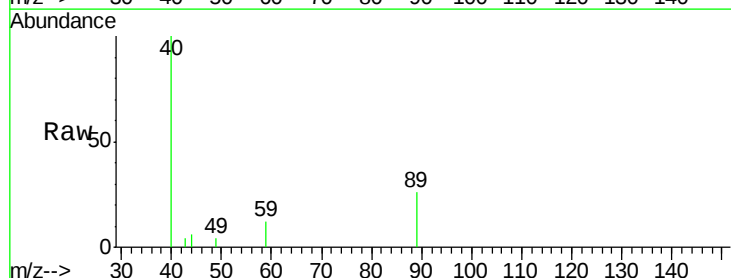
Acq: 19 Mar 2019 5:01

Tgt Ion: 59 Resp: 4583

Ion Ratio Lower Upper

59 100

57 0.0 7.1 10.7#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.98

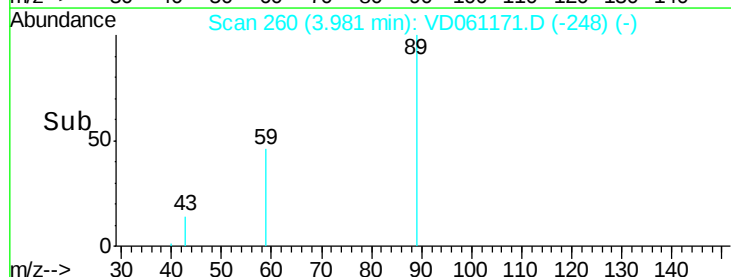
1000

500

0

3.90 3.95 4.00 4.05 4.10

Time-->





#16

Acetone

Concen: 26.651 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061171.D

Acq: 19 Mar 2019 5:01

Instrument :

MSVOA_D

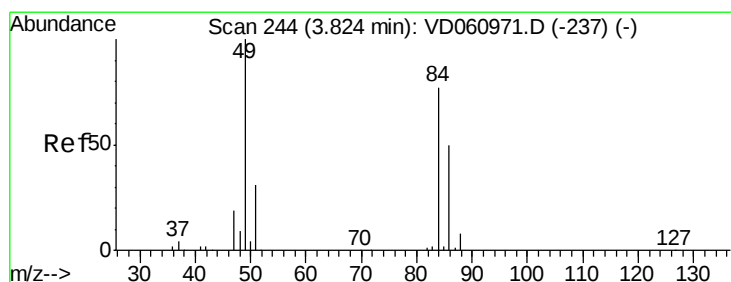
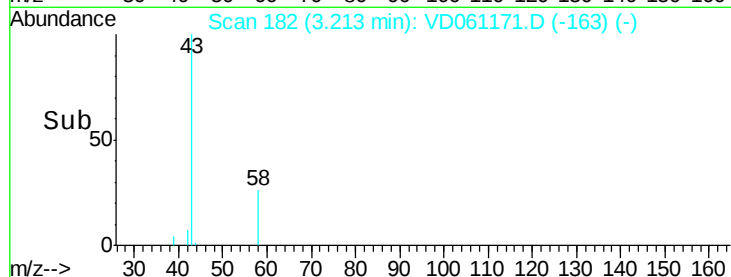
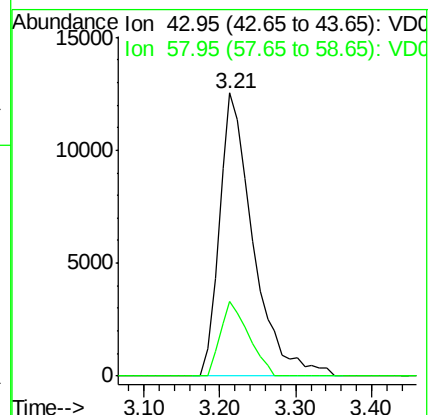
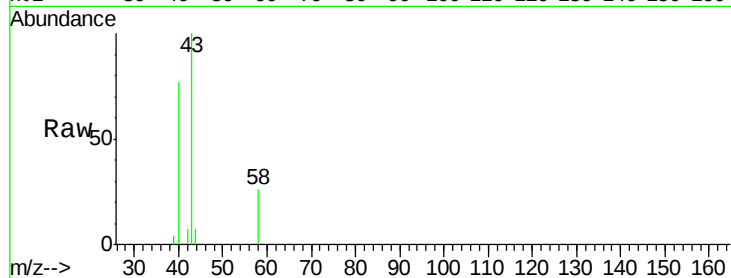
ClientSampleId :

Tot Ion: 43 Resp: 38830

Ion Ratio Lower Upper

43 100

58 26.4 21.6 32.4



#20

Methylene Chloride

Concen: 4.589 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.00 min

Lab File: VD061171.D

Acq: 19 Mar 2019 5:01

Tgt Ion: 84 Resp: 58625

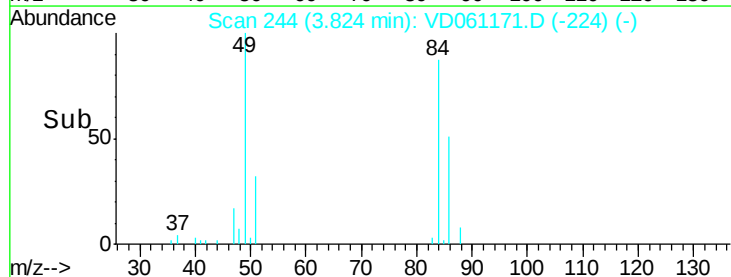
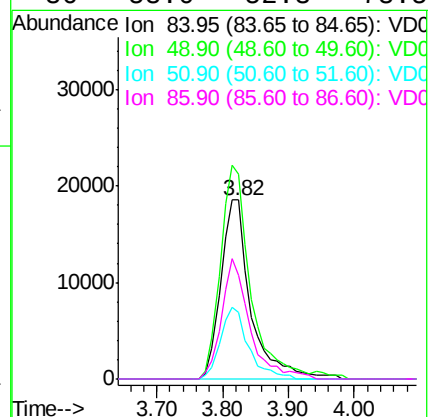
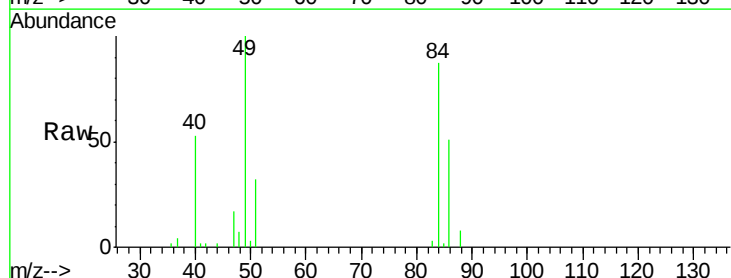
Ion Ratio Lower Upper

84 100

49 114.5 104.2 156.2

51 37.2 32.3 48.5

86 58.0 52.3 78.5

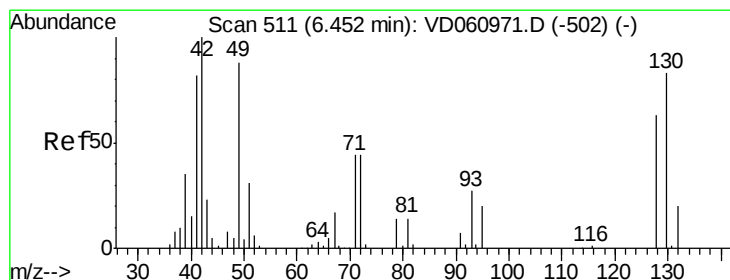
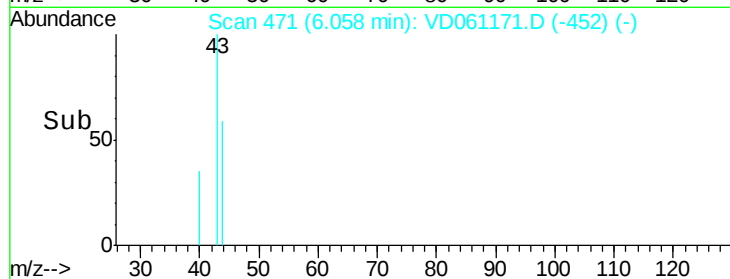
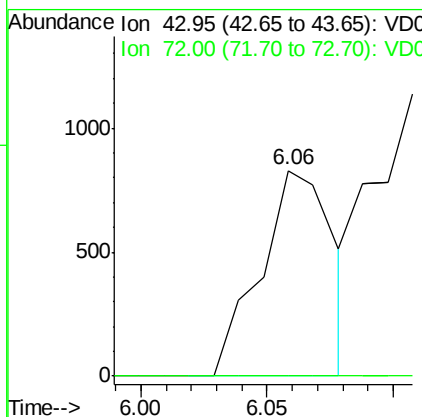
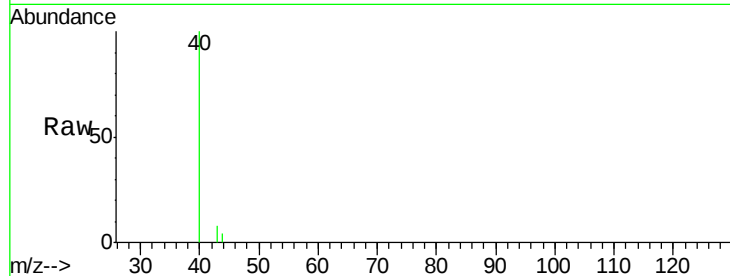




#25
2-Butanone
Concen: 1.008 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.01 min
Lab File: VD061171.D
Acq: 19 Mar 2019 5:01

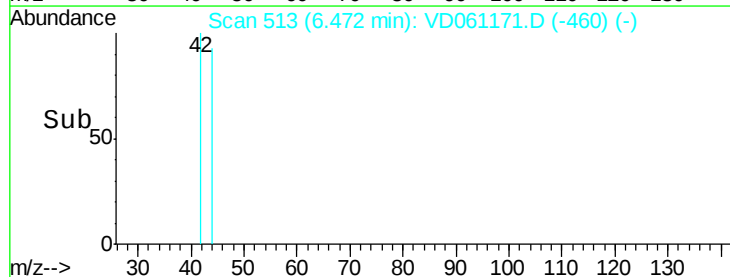
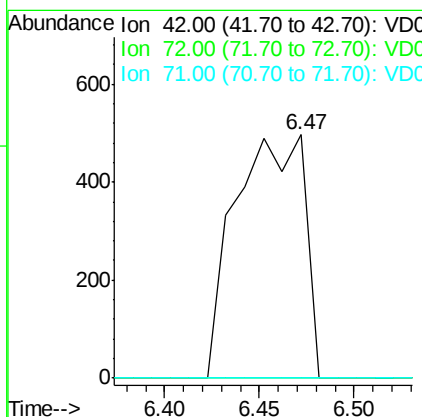
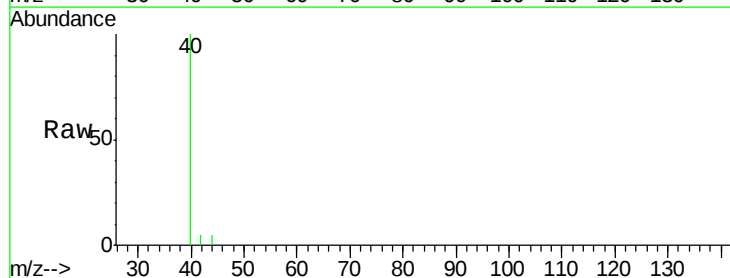
Instrument :
MSVOA_D
ClientSampleId :

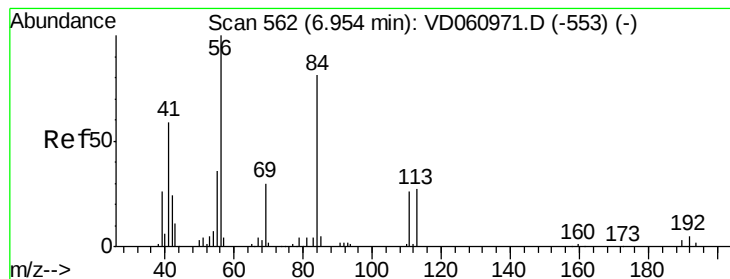
Tot Ion: 43 Resp: 1667
Ion Ratio Lower Upper
43 100
72 0.0 16.7 25.1#



#29
Tetrahydrofuran
Concen: 1.401 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.02 min
Lab File: VD061171.D
Acq: 19 Mar 2019 5:01

Tgt Ion: 42 Resp: 1258
Ion Ratio Lower Upper
42 100
72 0.0 34.5 51.7#
71 0.0 33.8 50.6#





#31

Cyclohexane

Concen: 1.192 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.08 min

Lab File: VD061171.D

Acq: 19 Mar 2019 5:01

Instrument :

MSVOA_D

ClientSampled :

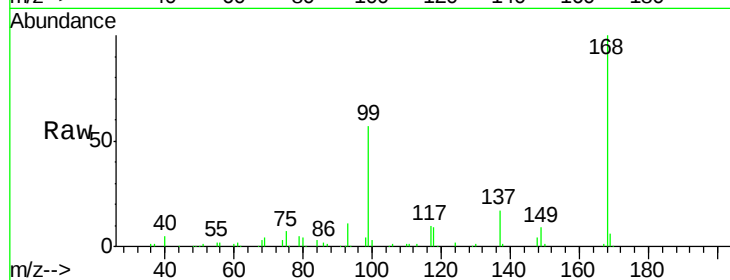
Tot Ion: 56 Resp: 10750

Ion Ratio Lower Upper

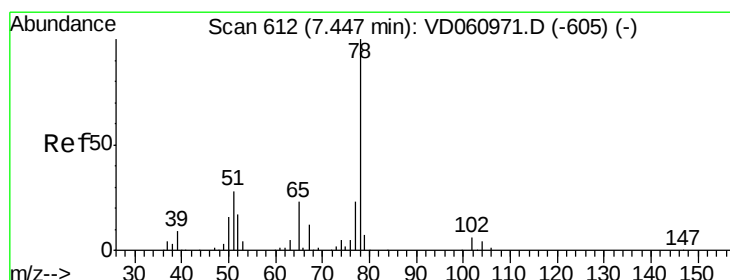
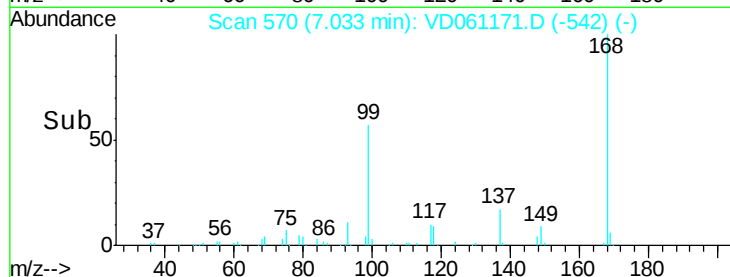
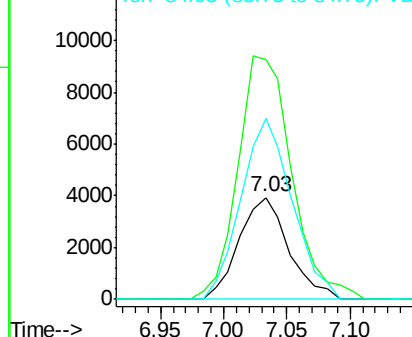
56 100

69 235.8 24.0 36.0#

84 177.5 65.8 98.6#



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: VD061171.D

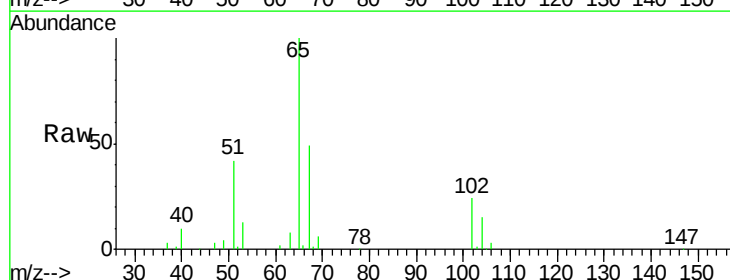
Acq: 19 Mar 2019 5:01

Tgt Ion: 65 Resp: 281023

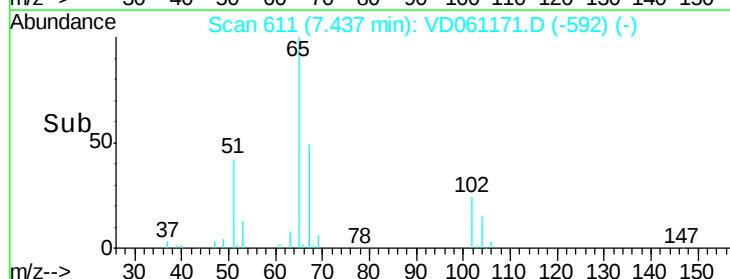
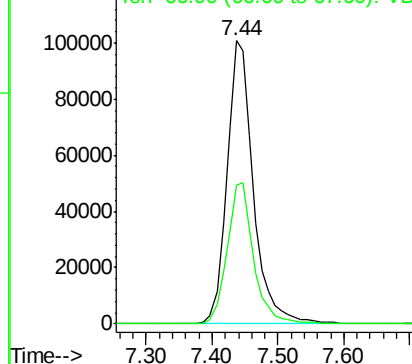
Ion Ratio Lower Upper

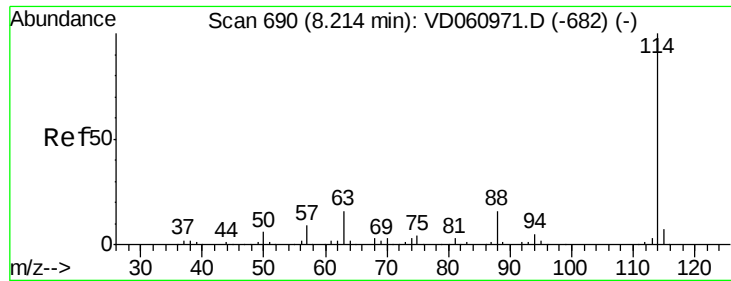
65 100

67 49.0 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

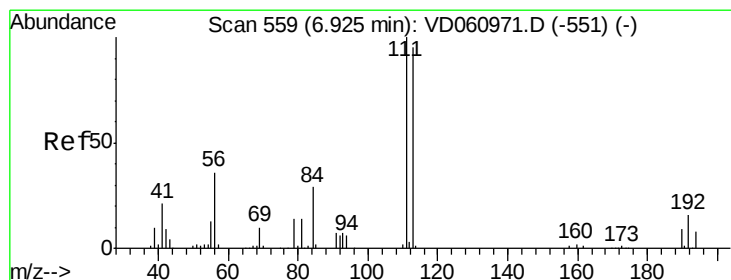
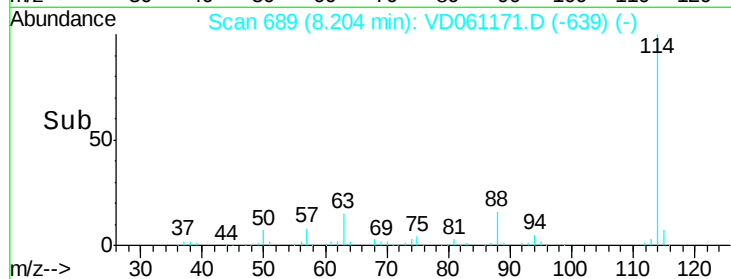
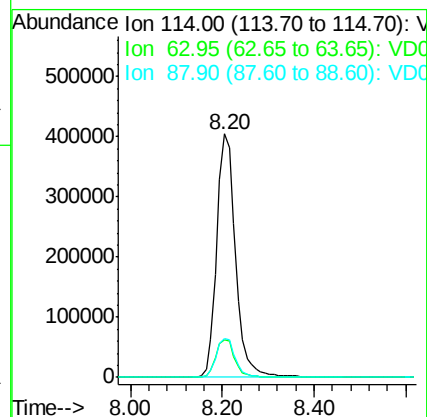
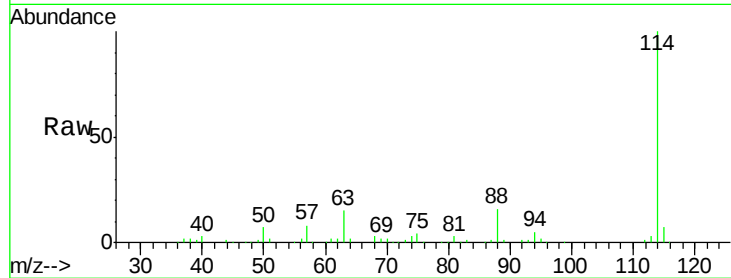




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD061171.D
 Acq: 19 Mar 2019 5:01

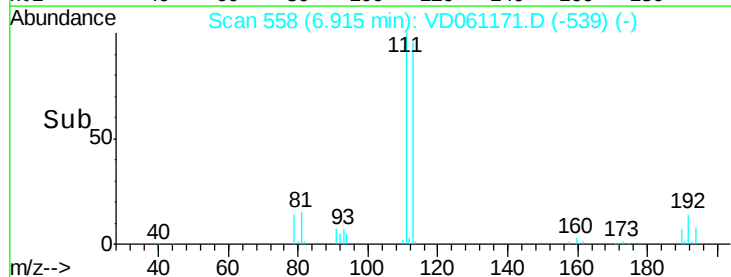
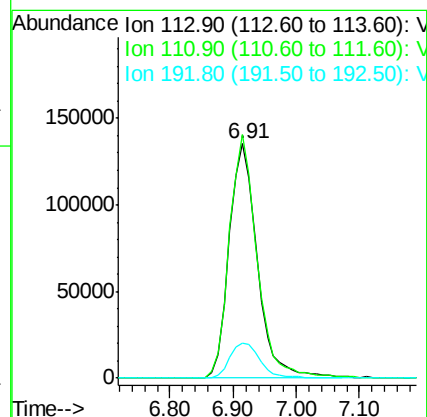
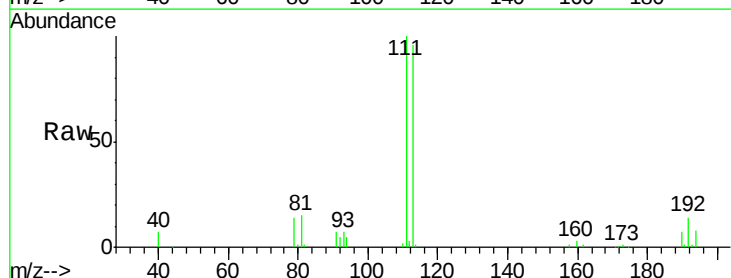
Instrument :
 MSVOA_D
 ClientSampleId :

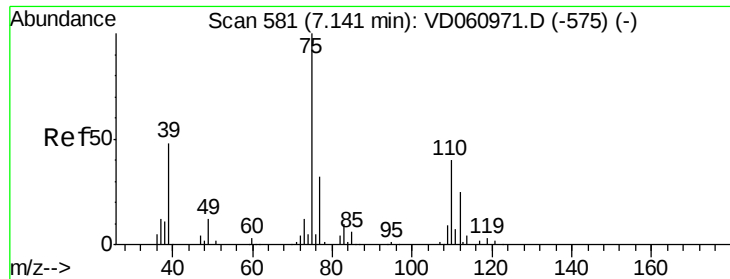
Tot Ion:114 Resp: 1135117
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 31.4
 88 16.2 0.0 33.0



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD061171.D
 Acq: 19 Mar 2019 5:01

Tgt Ion:113 Resp: 419067
 Ion Ratio Lower Upper
 113 100
 111 104.0 84.2 126.4
 192 15.1 13.1 19.7

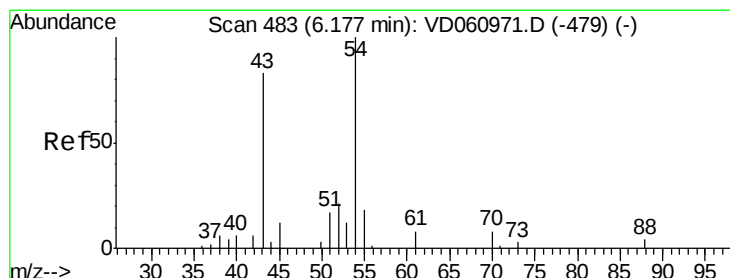
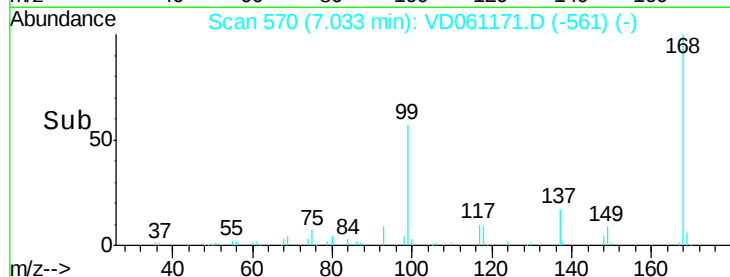
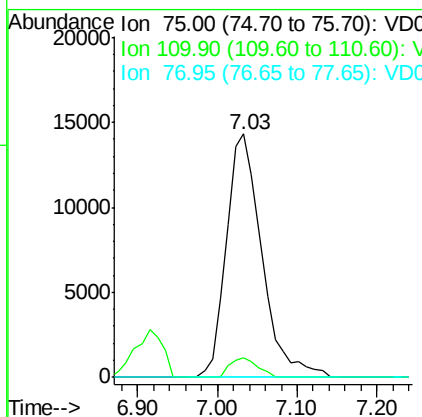
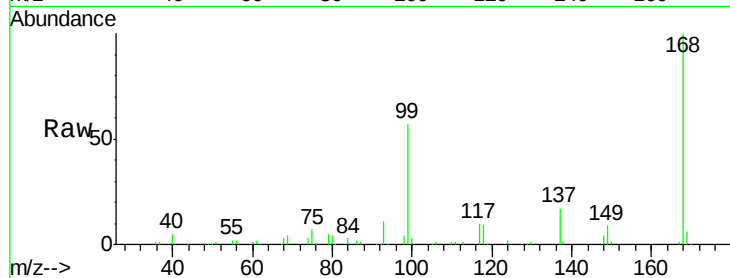




#36
 1,1-Dichloropropene
 Concen: 4.545 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.11 min
 Lab File: VD061171.D
 Acq: 19 Mar 2019 5:01

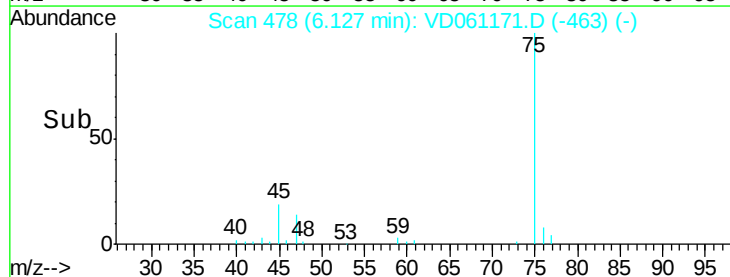
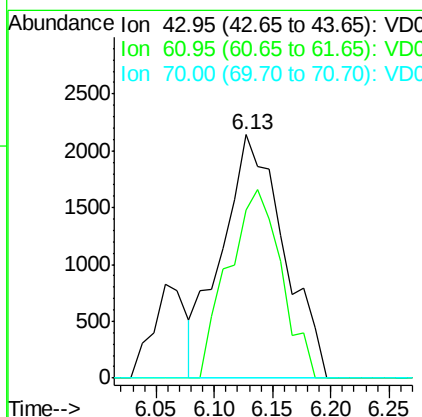
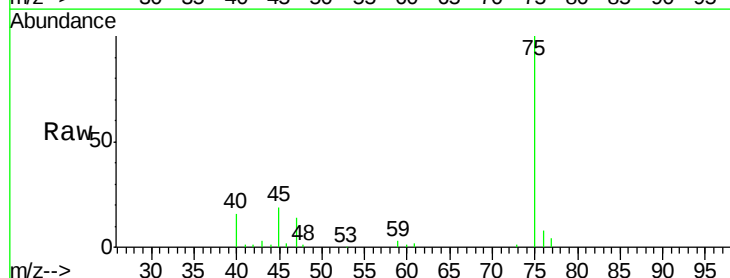
Instrument :
 MSVOA_D
 ClientSampleId :

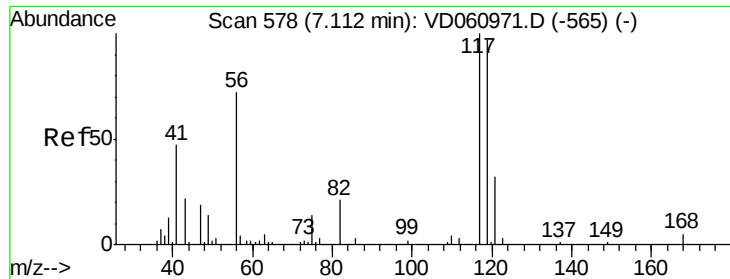
Tot Ion	75	Resp	44466
Ion Ratio	100	Lower	Upper
75	100		
110	7.9	19.7	59.1#
77	0.0	24.7	37.1#



#37
 Ethyl Acetate
 Concen: 1.715 ug/l
 RT: 6.13 min Scan# 478
 Delta R.T. -0.05 min
 Lab File: VD061171.D
 Acq: 19 Mar 2019 5:01

Tgt Ion	43	Resp	7875
Ion Ratio	100	Lower	Upper
43	100		
61	69.0	13.7	20.5#
70	0.0	7.1	10.7#

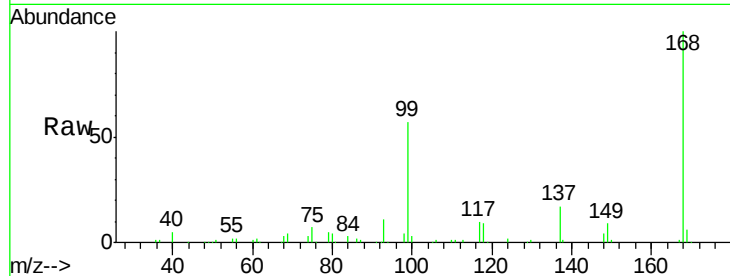




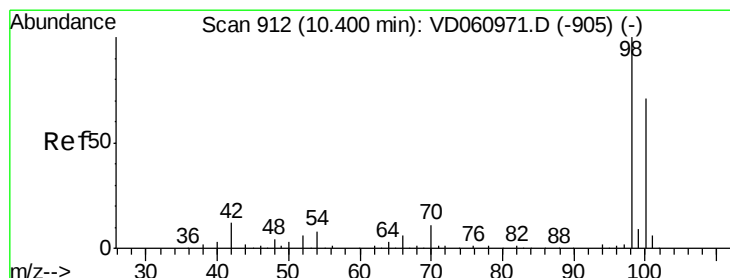
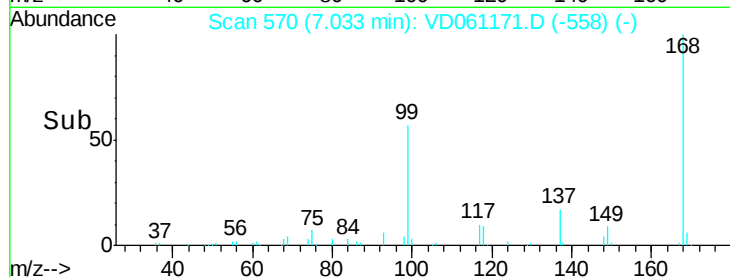
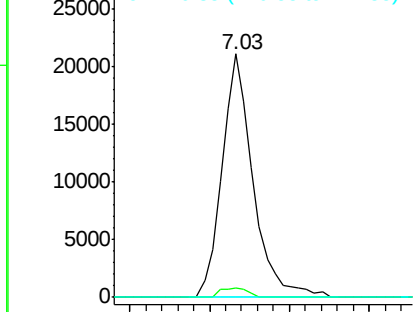
#38
Carbon Tetrachloride
Concen: 5.326 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.08 min
Lab File: VD061171.D
Acq: 19 Mar 2019 5:01

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 57403
Ion Ratio Lower Upper
117 100
119 4.1 77.8 116.8#
121 0.0 25.3 37.9#

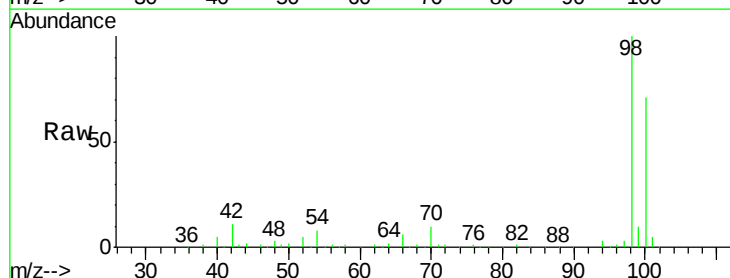


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

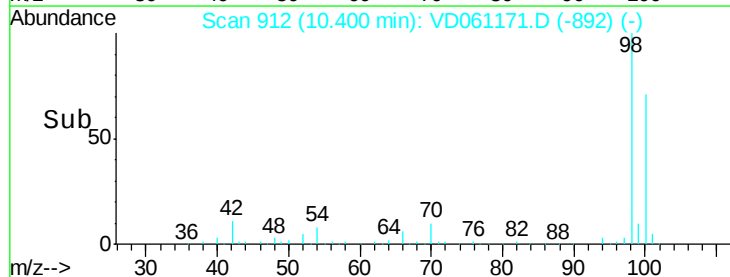
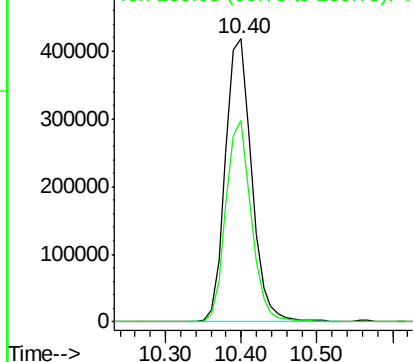


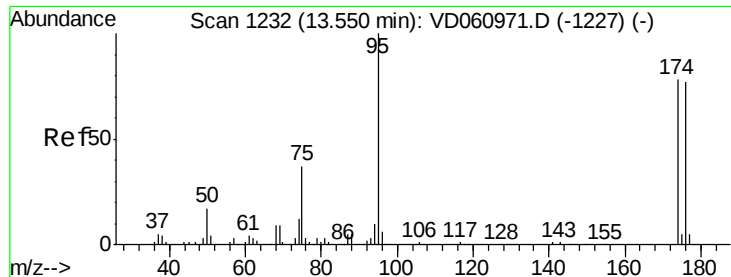
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD061171.D
Acq: 19 Mar 2019 5:01

Tgt Ion: 98 Resp: 1004943
Ion Ratio Lower Upper
98 100
100 71.1 57.4 86.2



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061171.D

Acq: 19 Mar 2019 5:01

Instrument :

MSVOA_D

ClientSampleId :

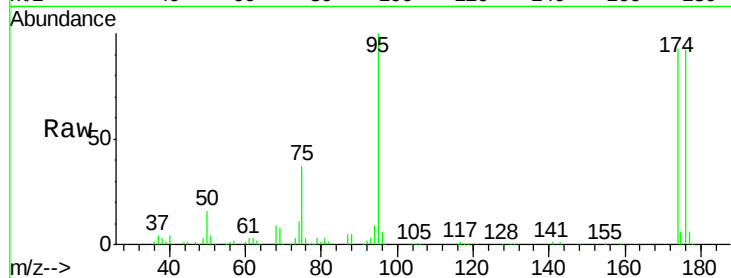
Tot Ion: 95 Resp: 368630

Ion Ratio Lower Upper

95 100

174 93.3 0.0 155.6

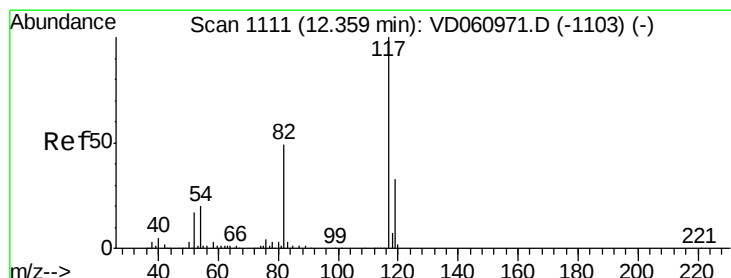
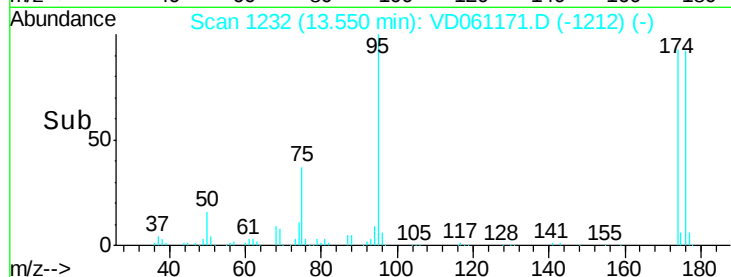
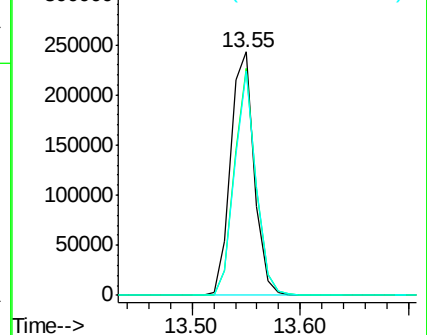
176 92.4 0.0 153.8



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: VD061171.D

Acq: 19 Mar 2019 5:01

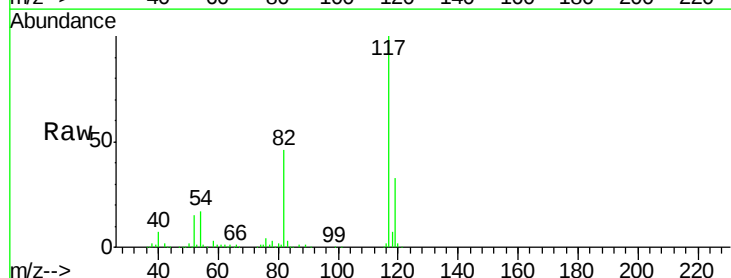
Tgt Ion: 117 Resp: 901754

Ion Ratio Lower Upper

117 100

82 45.5 38.9 58.3

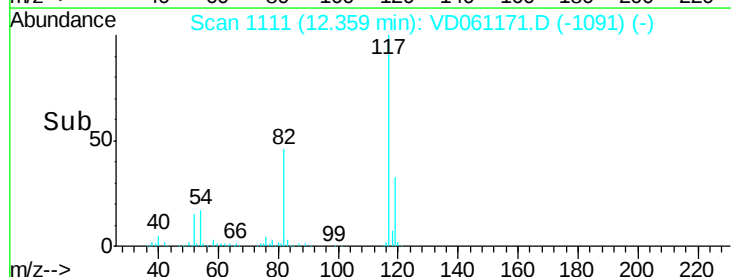
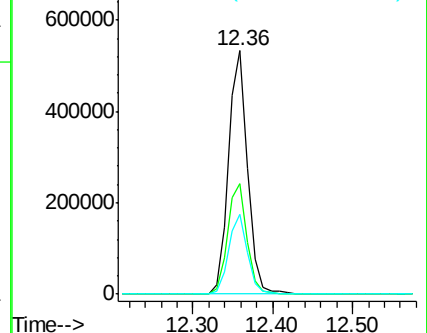
119 32.9 26.6 39.8

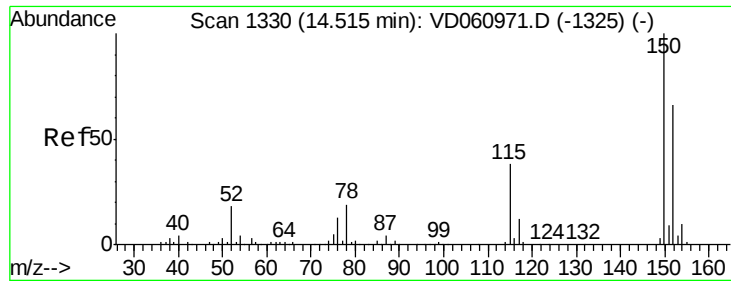


Abundance Ion 116.95 (116.65 to 117.65): V

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. -0.00 min

Lab File: VD061171.D

Acq: 19 Mar 2019 5:01

Instrument :

MSVOA_D

ClientSampleId :

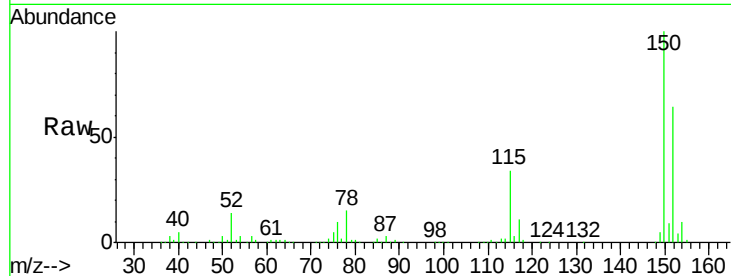
Tot Ion:152 Resp: 360067

Ion Ratio Lower Upper

152 100

115 52.7 28.6 85.9

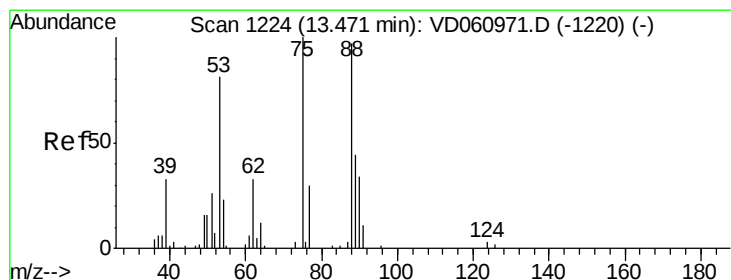
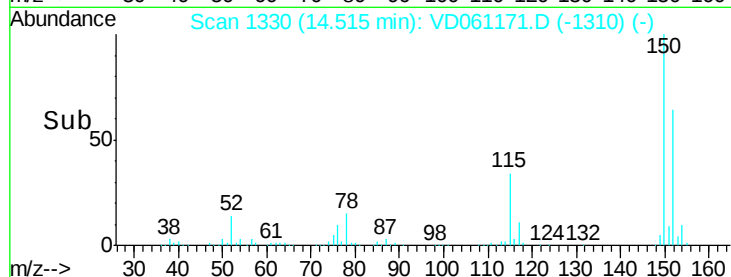
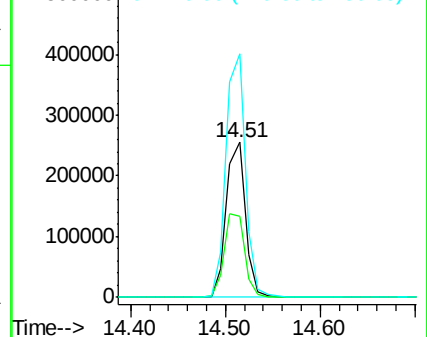
150 157.3 0.0 310.6



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: 90.703 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061171.D

Acq: 19 Mar 2019 5:01

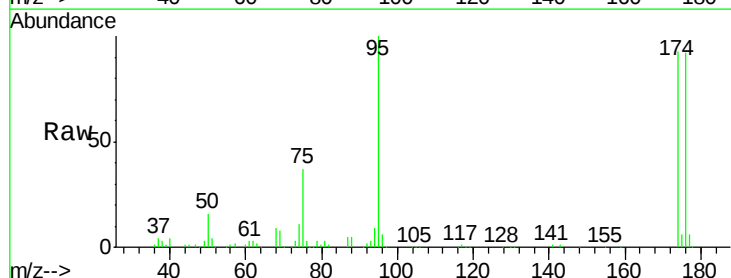
Tgt Ion: 75 Resp: 138524

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#



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

