

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD61759.D
 Acq On : 12 Apr 2019 1:56
 Operator : VA/AP
 Sample : VD0411SBL02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

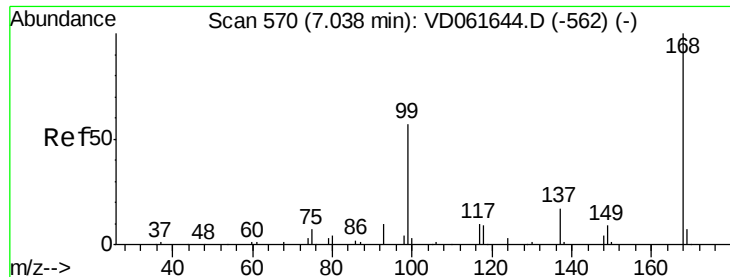
Quant Time: Apr 12 02:30:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	546049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	851989	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	733601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	313759	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	226267	54.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.34%	
35) Dibromofluoromethane	6.91	113	346782	58.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.50%	
50) Toluene-d8	10.40	98	710164	47.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.78%	
62) 4-Bromofluorobenzene	13.55	95	321476	65.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	131.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.31	142	478	3.699	ug/l #	38
16) Acetone	3.20	43	1274	1.030	ug/l #	51
20) Methylene Chloride	3.82	84	40001	5.697	ug/l #	91
31) Cyclohexane	7.04	56	9496	1.219	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	41432	5.557	ug/l #	47
38) Carbon Tetrachloride	7.04	117	54373	6.222	ug/l #	14
51) 4-Methyl-2-Pentanone	10.40	43	2907	1.115	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	125238	96.683	ug/l #	20

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD61759.D

Acq: 12 Apr 2019 1:56

Instrument :

MSVOA_D

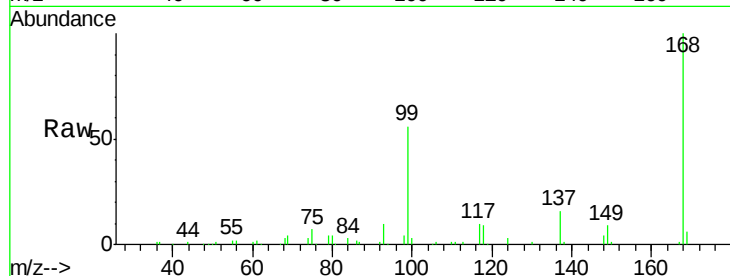
ClientSampleId :

Tot Ion:168 Resp: 546049

Ion Ratio Lower Upper

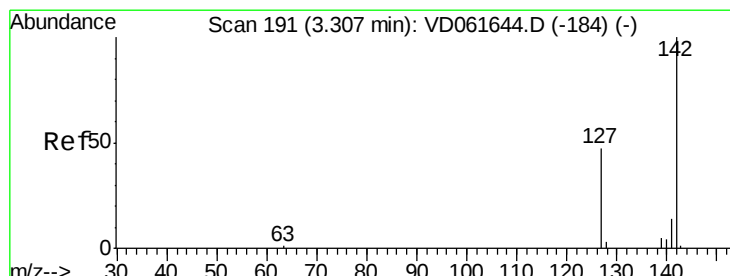
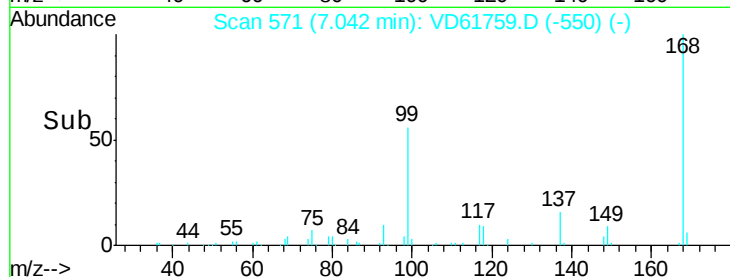
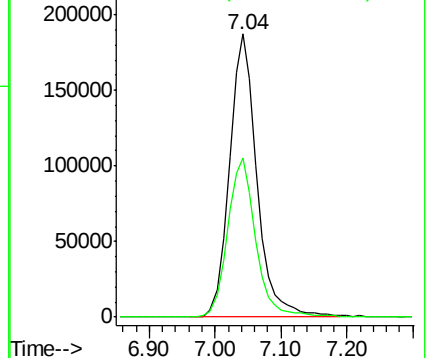
168 100

99 56.2 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VD6



#10

Methyl Iodide

Concen: 3.699 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.00 min

Lab File: VD61759.D

Acq: 12 Apr 2019 1:56

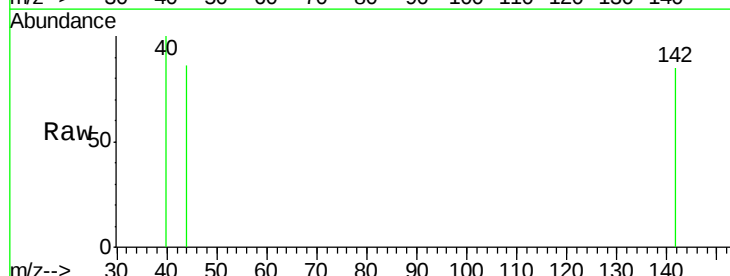
Tgt Ion:142 Resp: 478

Ion Ratio Lower Upper

142 100

127 0.0 37.2 55.8#

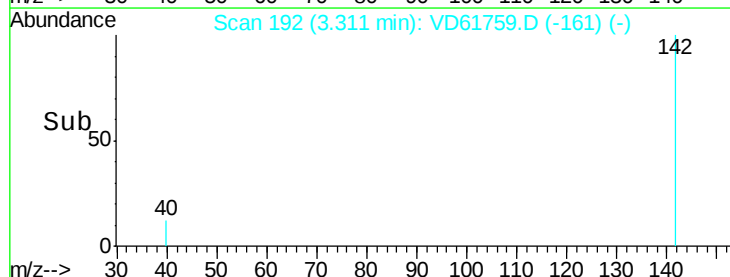
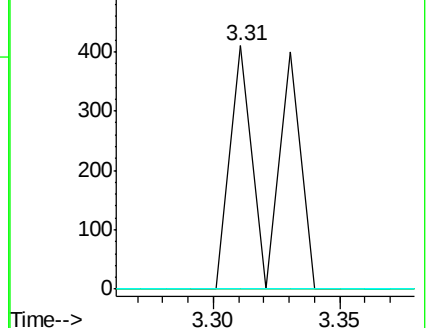
141 0.0 10.8 16.2#

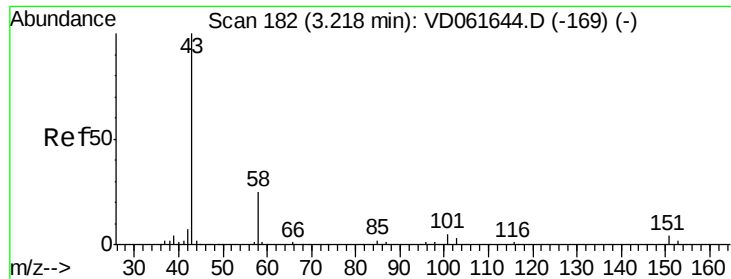


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#16

Acetone

Concen: 1.030 ug/l

RT: 3.20 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD61759.D

Acq: 12 Apr 2019 1:56

Instrument :

MSVOA_D

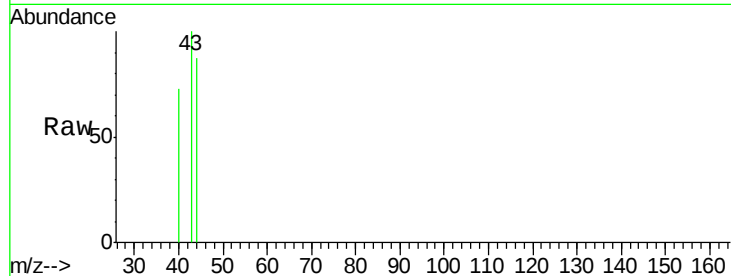
ClientSampleId :

Tot Ion: 43 Resp: 1274

Ion Ratio Lower Upper

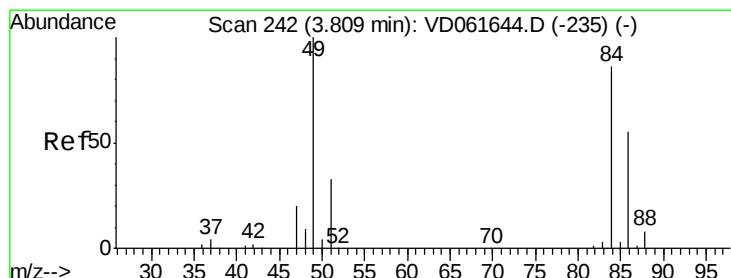
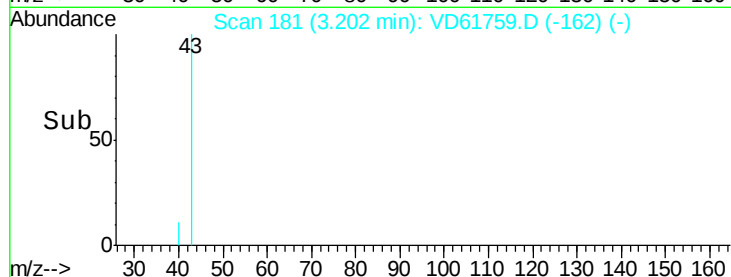
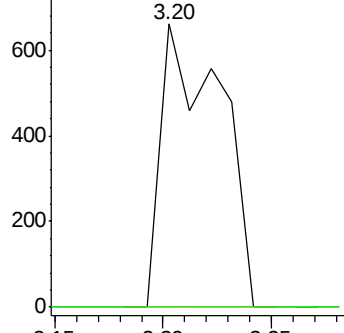
43 100

58 0.0 19.7 29.5#



Abundance Ion 42.95 (42.65 to 43.65): VD6

Ion 57.95 (57.65 to 58.65): VD6



#20

Methylene Chloride

Concen: 5.697 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD61759.D

Acq: 12 Apr 2019 1:56

Tgt Ion: 84 Resp: 40001

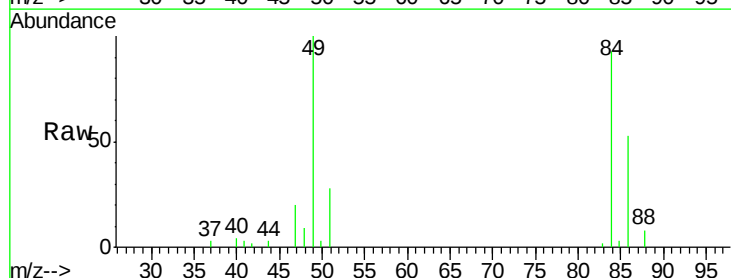
Ion Ratio Lower Upper

84 100

49 107.2 93.0 139.4

51 30.0 30.4 45.6#

86 56.9 51.0 76.4

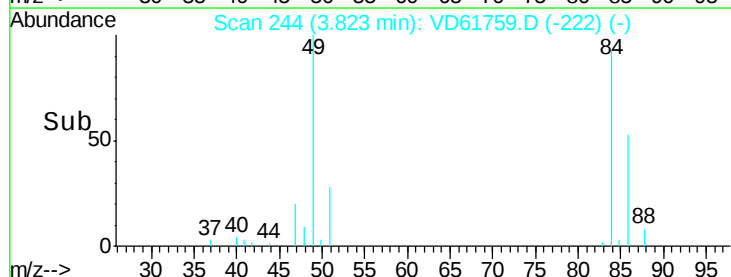
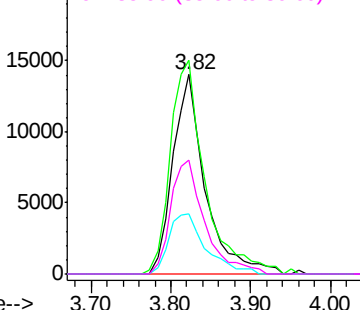


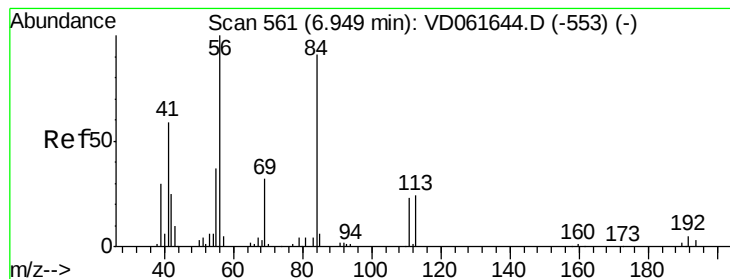
Abundance Ion 83.95 (83.65 to 84.65): VD6

Ion 48.90 (48.60 to 49.60): VD6

Ion 50.90 (50.60 to 51.60): VD6

Ion 85.90 (85.60 to 86.60): VD6





#31

Cyclohexane

Concen: 1.219 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.09 min

Lab File: VD61759.D

Acq: 12 Apr 2019 1:56

Instrument :
MSVOA_D
ClientSampleId :

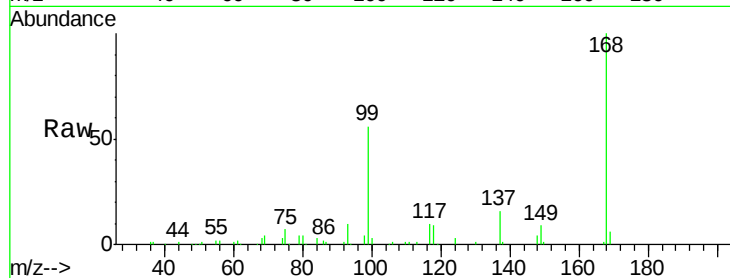
Tot Ion: 56 Resp: 9496

Ion Ratio Lower Upper

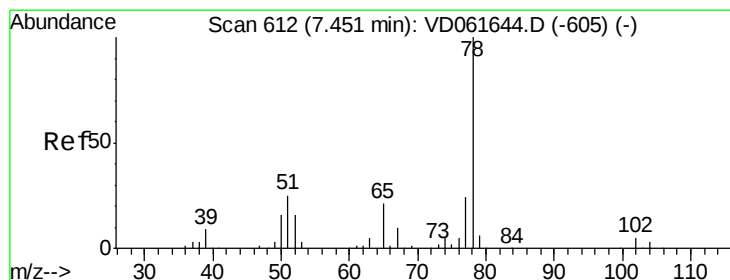
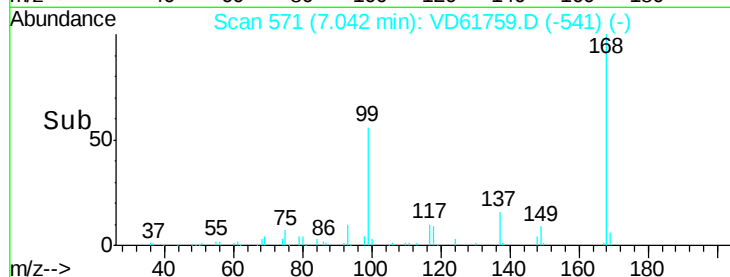
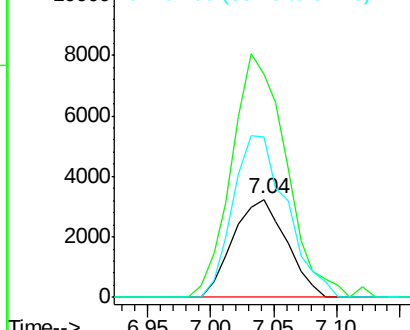
56 100

69 227.7 25.8 38.6#

84 164.2 74.2 111.2#



Abundance Ion 55.95 (55.65 to 56.65): VD6
Ion 69.00 (68.70 to 69.70): VD6
Ion 84.05 (83.75 to 84.75): VD6



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD61759.D

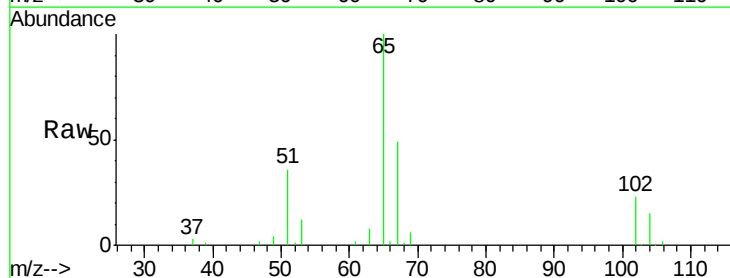
Acq: 12 Apr 2019 1:56

Tgt Ion: 65 Resp: 226267

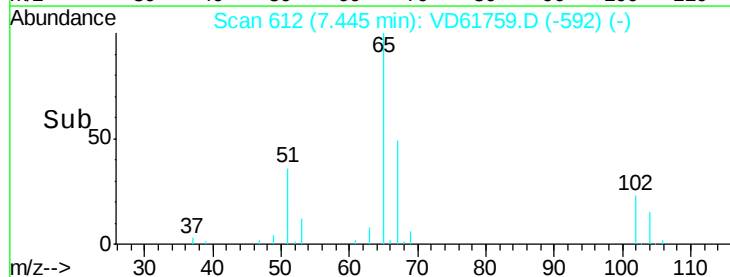
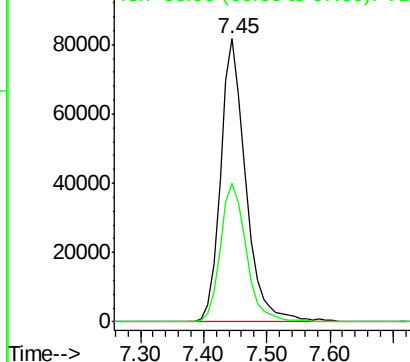
Ion Ratio Lower Upper

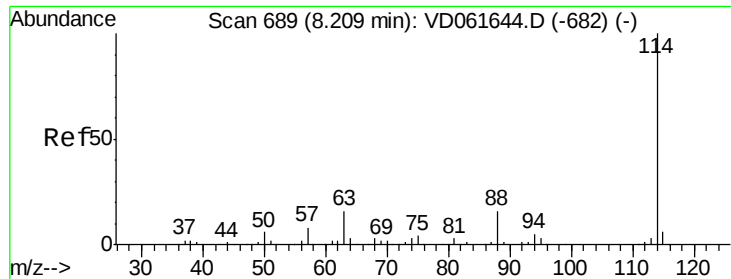
65 100

67 49.0 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VD6
Ion 66.90 (66.60 to 67.60): VD6

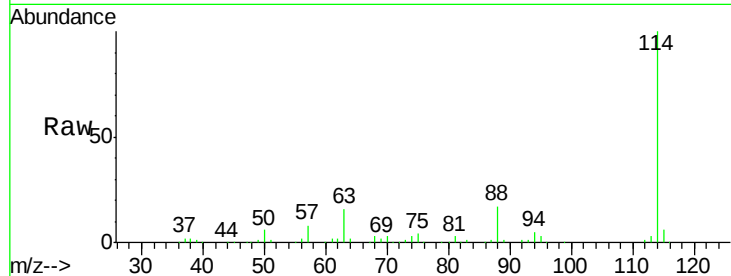




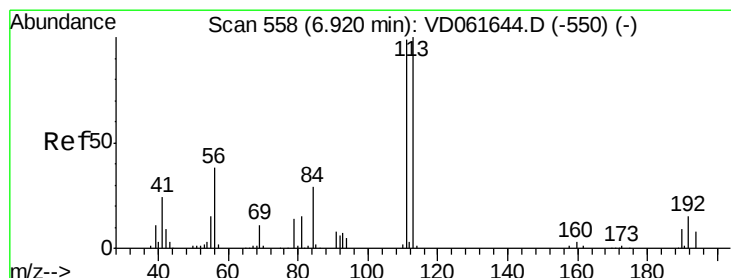
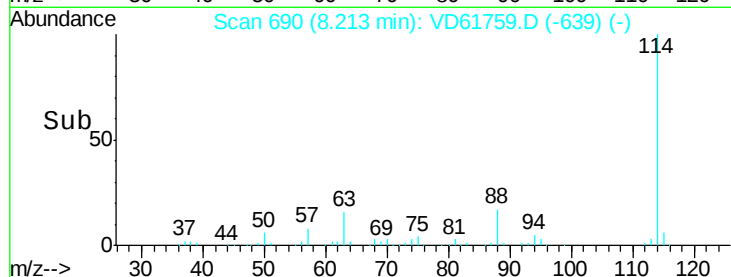
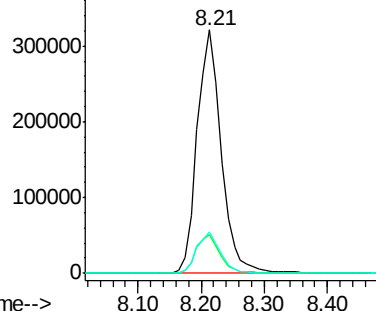
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD61759.D
 Acq: 12 Apr 2019 1:56

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 851989
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 31.2
 88 17.0 0.0 31.8

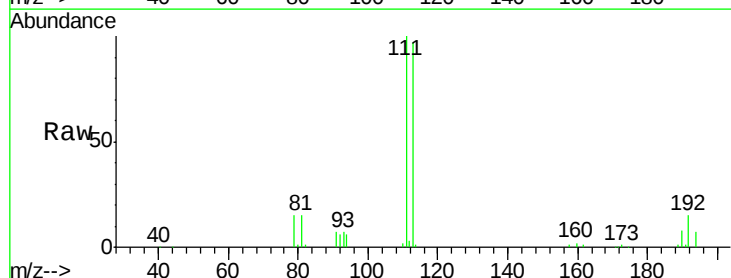


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VD6
 Ion 87.90 (87.60 to 88.60): VD6

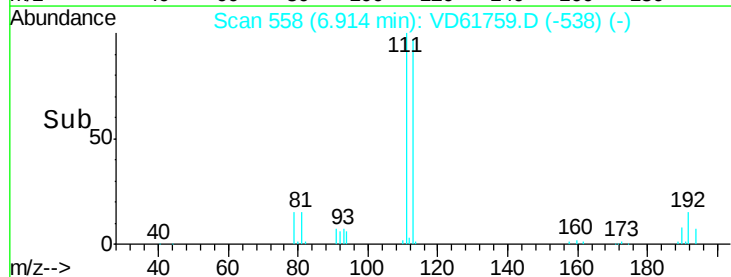
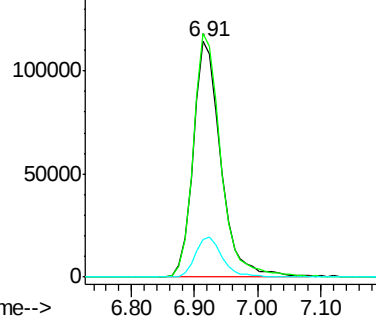


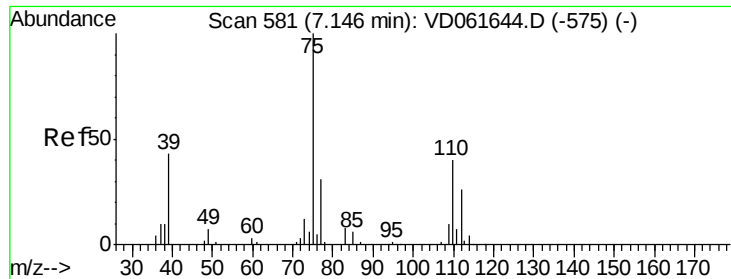
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD61759.D
 Acq: 12 Apr 2019 1:56

Tgt Ion:113 Resp: 346782
 Ion Ratio Lower Upper
 113 100
 111 103.5 79.3 118.9
 192 15.7 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

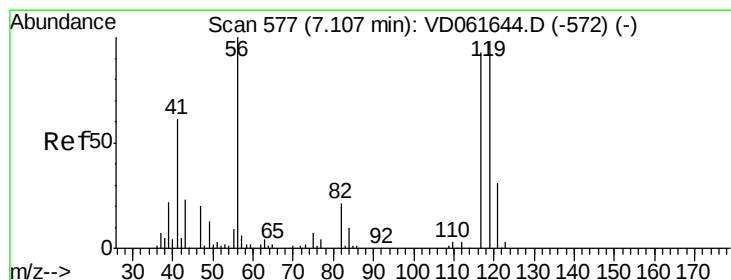
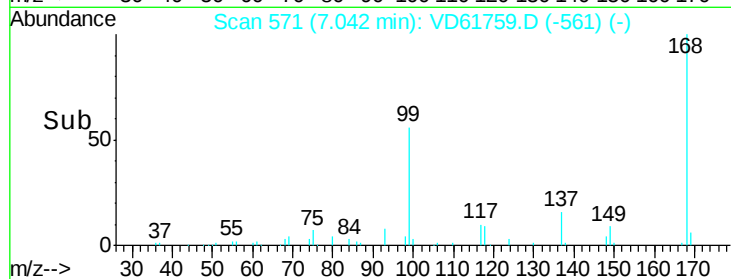
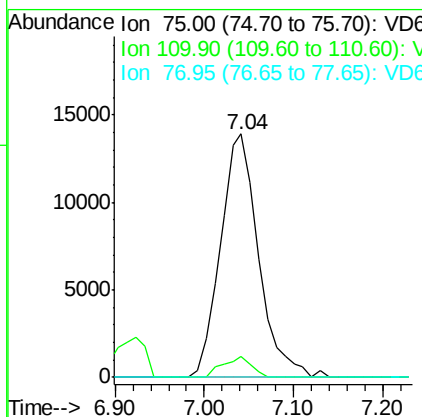
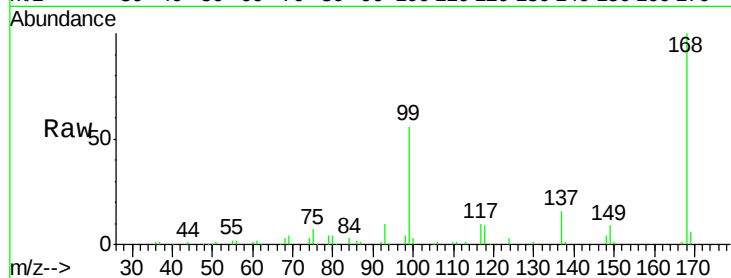




#36
 1,1-Dichloropropene
 Concen: 5.557 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.10 min
 Lab File: VD61759.D
 Acq: 12 Apr 2019 1:56

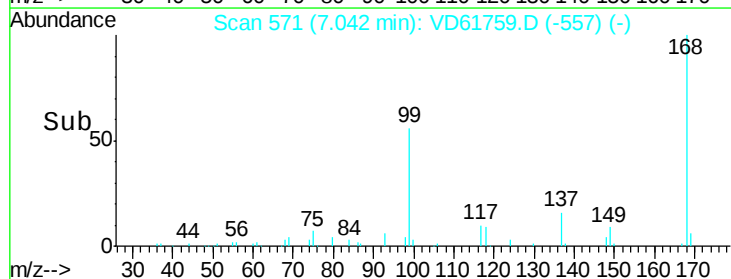
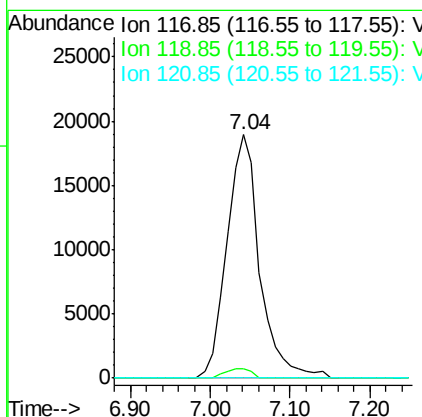
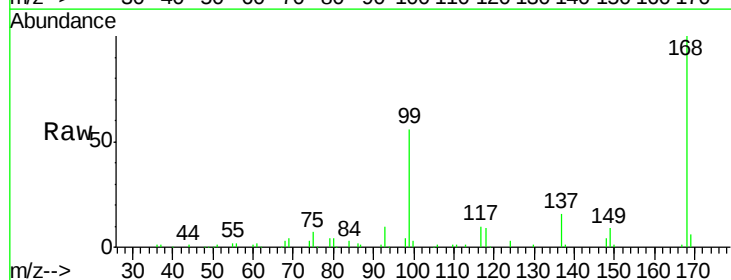
Instrument :
 MSVOA_D
 ClientSampleId :

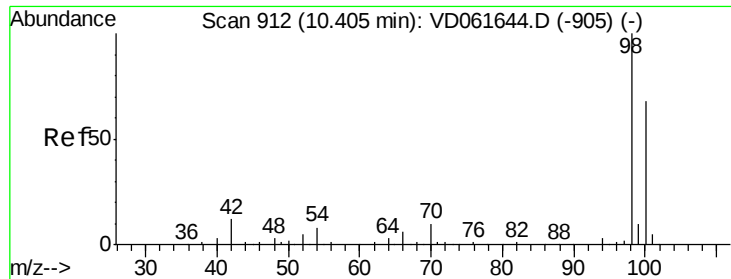
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	19.7	59.0#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.222 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD61759.D
 Acq: 12 Apr 2019 1:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	77.9	116.9#
121	0.0	24.7	37.1#

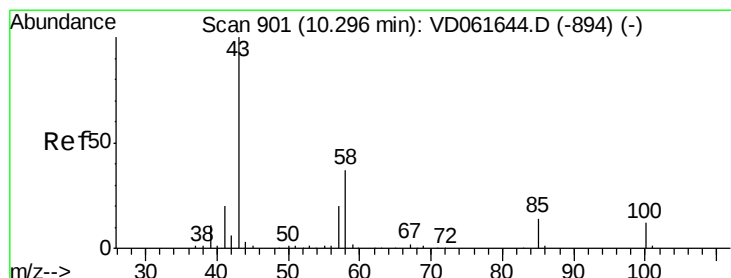
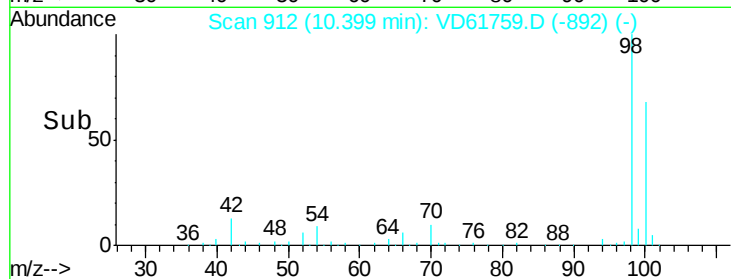
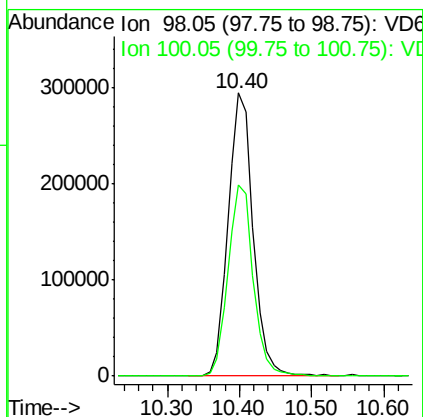
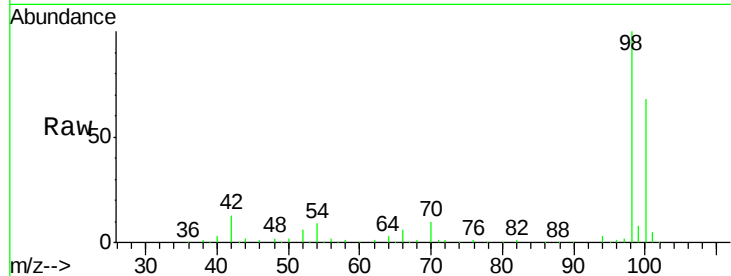




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD61759.D
Acq: 12 Apr 2019 1:56

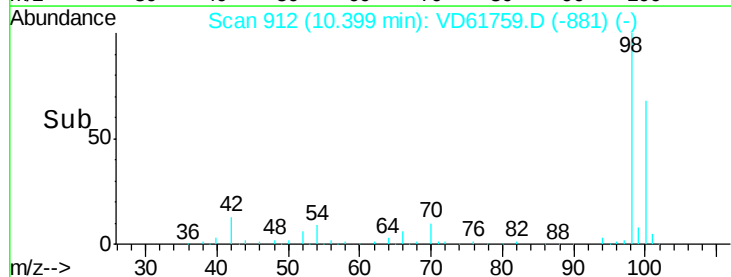
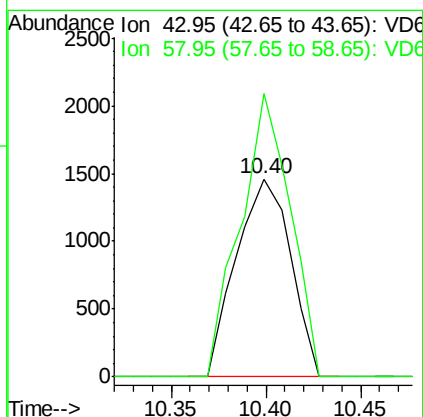
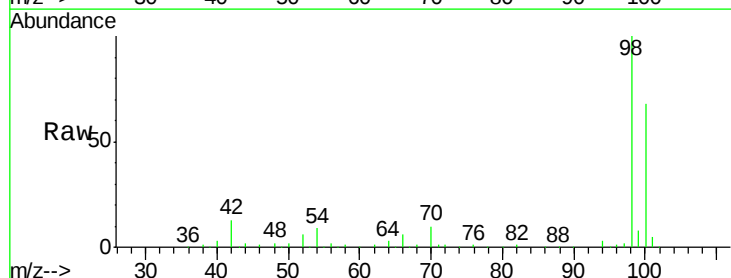
Instrument :
MSVOA_D
ClientSampleId :

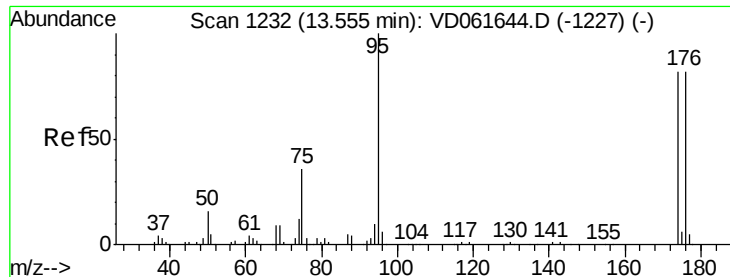
Tot Ion: 98 Resp: 710164
Ion Ratio Lower Upper
98 100
100 67.7 55.4 83.0



#51
4-Methyl-2-Pentanone
Concen: 1.115 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.10 min
Lab File: VD61759.D
Acq: 12 Apr 2019 1:56

Tgt Ion: 43 Resp: 2907
Ion Ratio Lower Upper
43 100
58 143.2 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: VD61759.D

Acq: 12 Apr 2019 1:56

Instrument :

MSVOA_D

ClientSampleId :

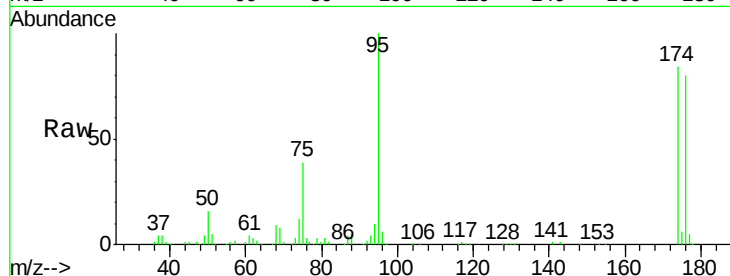
Tot Ion: 95 Resp: 321476

Ion Ratio Lower Upper

95 100

174 83.9 0.0 164.6

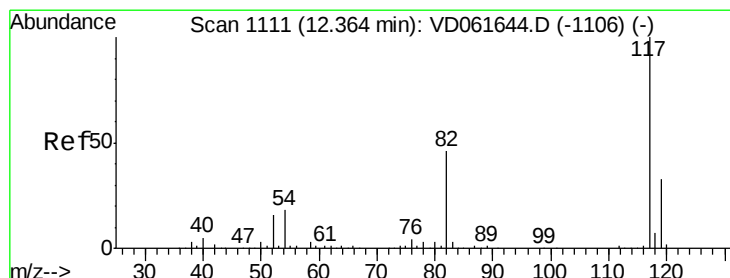
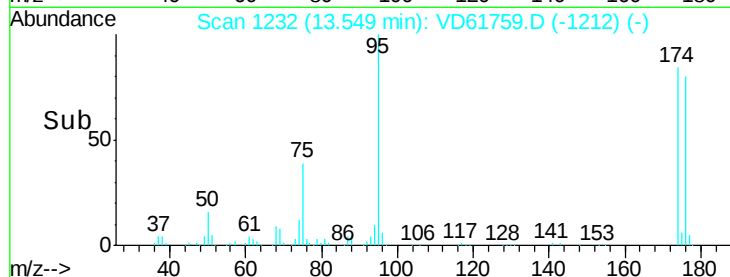
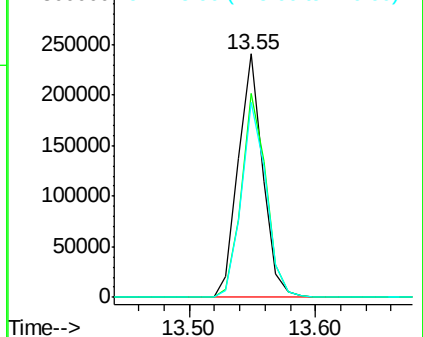
176 79.9 0.0 165.0



Abundance Ion 95.00 (94.70 to 95.70): VD6

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. -0.01 min

Lab File: VD61759.D

Acq: 12 Apr 2019 1:56

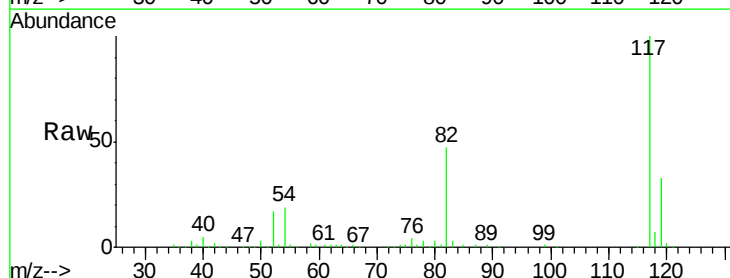
Tgt Ion: 117 Resp: 733601

Ion Ratio Lower Upper

117 100

82 47.0 36.8 55.2

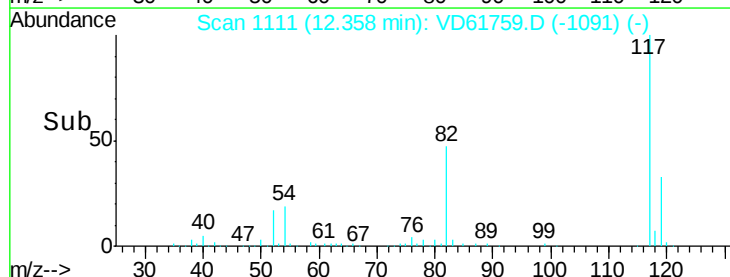
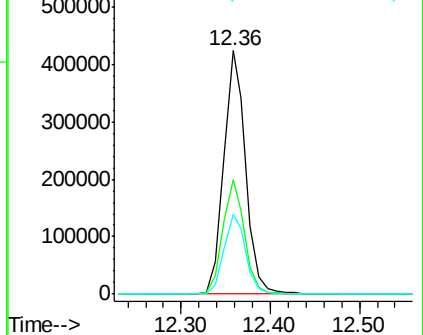
119 32.9 26.1 39.1

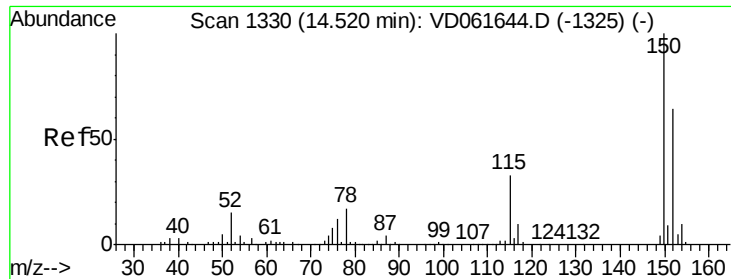


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): VD6

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: VD61759.D

Acq: 12 Apr 2019 1:56

Instrument :

MSVOA_D

ClientSampleId :

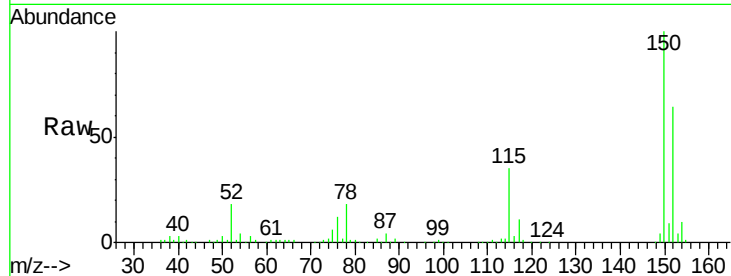
Tot Ion:152 Resp: 313759

Ion Ratio Lower Upper

152 100

115 54.6 26.4 79.2

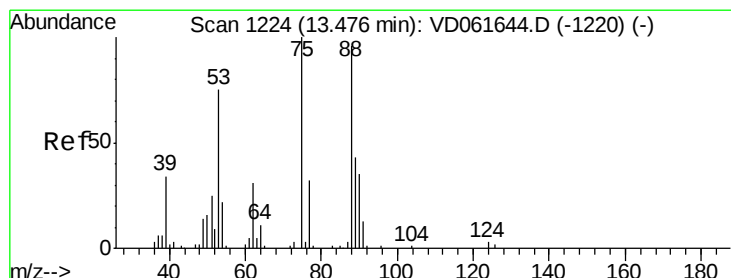
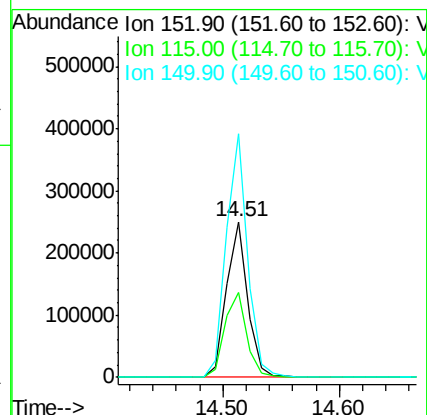
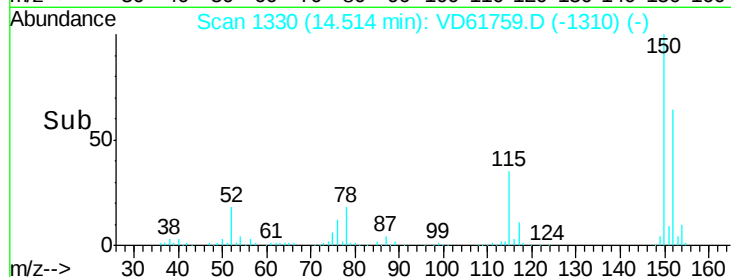
150 156.6 0.0 320.6



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: 96.683 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD61759.D

Acq: 12 Apr 2019 1:56

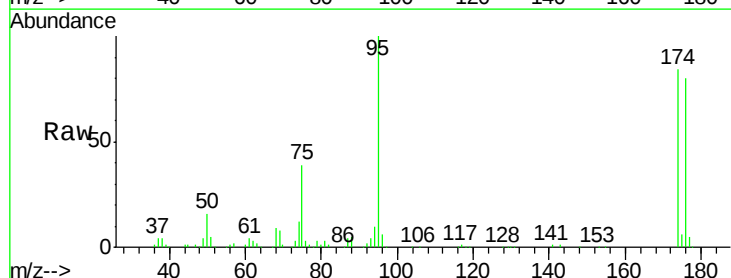
Tgt Ion: 75 Resp: 125238

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): VD6

Ion 53.00 (52.70 to 53.70): VD6

Ion 89.00 (88.70 to 89.70): VD6

