

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041919\
 Data File : VD061913.D
 Acq On : 19 Apr 2019 16:42
 Operator : VA/AP
 Sample : K2422-03RE
 Misc : 6.10g/5ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP1-S

Quant Time: Apr 19 17:07:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	447672	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	698278	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	565152	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	236474	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	153126	40.81	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	81.62%	
35) Dibromofluoromethane	6.94	113	209930	39.79	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	79.58%	
50) Toluene-d8	10.42	98	460733	36.86	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	73.72%	
62) 4-Bromofluorobenzene	13.56	95	179585	35.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	70.90%	

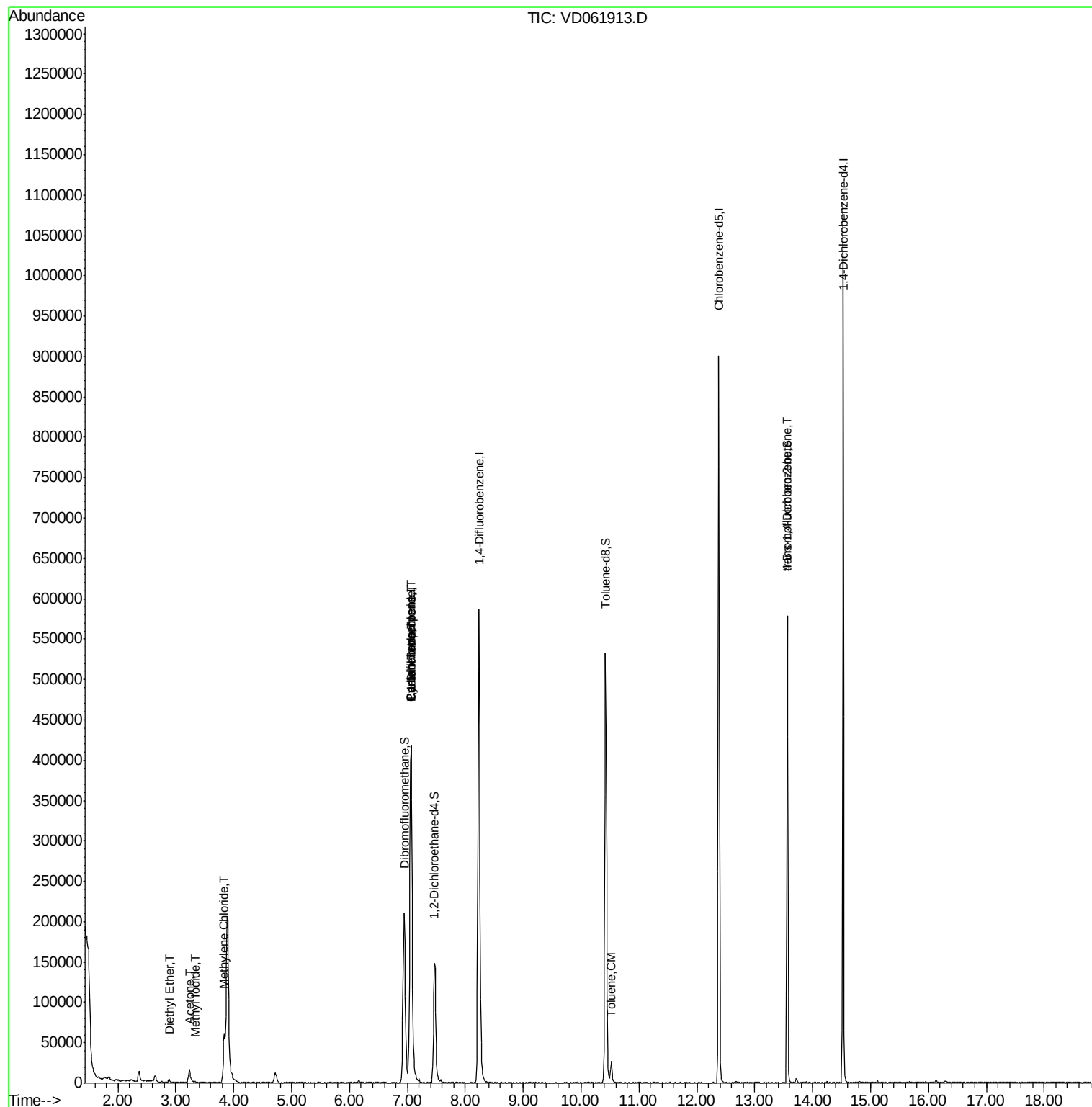
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	952	Below Cal	#	12
8) Diethyl Ether	2.89	74	1645	1.120	ug/l	99
10) Methyl Iodide	3.32	142	738	3.600	ug/l #	37
16) Acetone	3.23	43	30651	33.147	ug/l	99
20) Methylene Chloride	3.83	84	43500	5.369	ug/l	97
31) Cyclohexane	7.05	56	7665	1.349	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	32246	5.651	ug/l #	44
38) Carbon Tetrachloride	7.06	117	43705	6.066	ug/l #	16
52) Toluene	10.52	92	14217	1.619	ug/l	86
81) trans-1,4-Dichloro-2-buten	13.56	75	68389	66.750	ug/l #	16

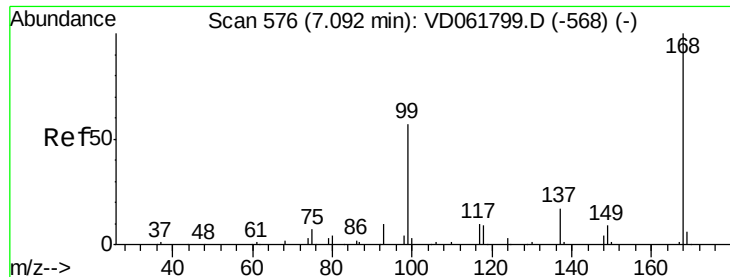
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD041919\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.01 min

Lab File: VD061913.D

Acq: 19 Apr 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

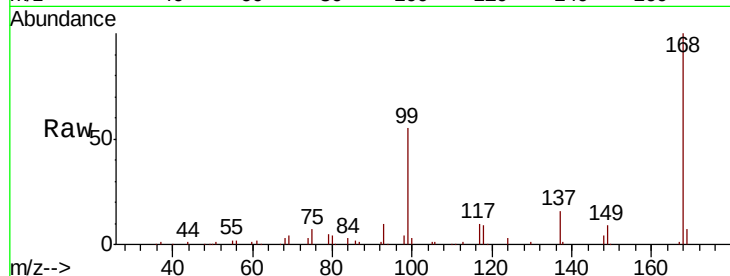
TP1-S

Tgt Ion:168 Resp: 447672

Ion Ratio Lower Upper

168 100

99 54.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

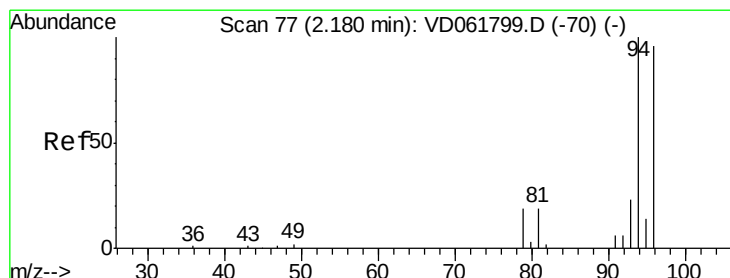
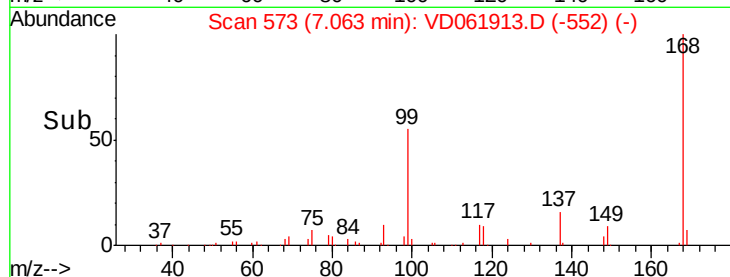
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.18 min Scan# 77

Delta R.T. 0.03 min

Lab File: VD061913.D

Acq: 19 Apr 2019 16:42

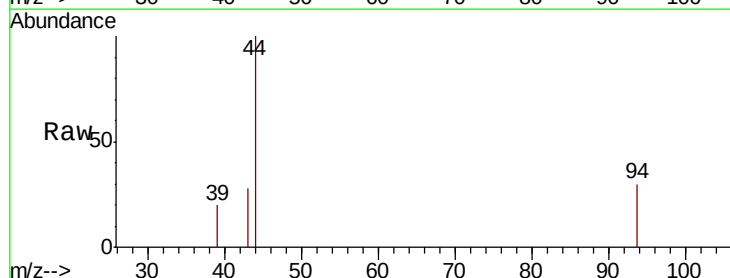
Tgt Ion: 94 Resp: 952

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

93 0.0 18.5 27.7#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

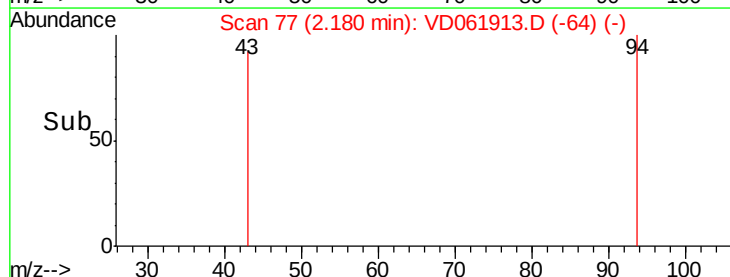
600

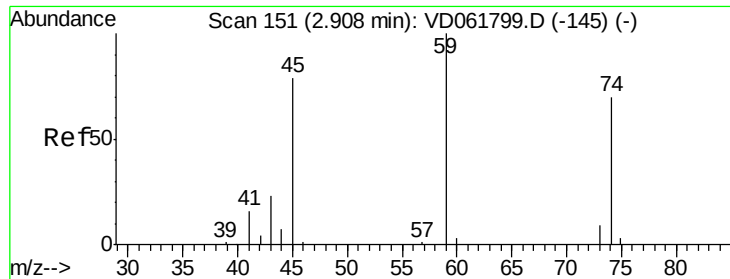
400

200

0

Time-->





#8

Diethyl Ether

Concen: 1.120 ug/l

RT: 2.89 min Scan# 149

Delta R.T. 0.02 min

Lab File: VD061913.D

Acq: 19 Apr 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

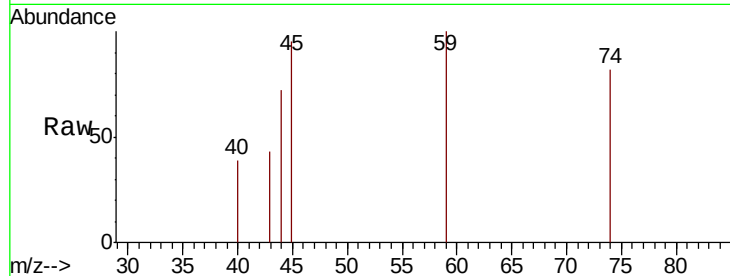
TP1-S

Tgt Ion: 74 Resp: 1645

Ion Ratio Lower Upper

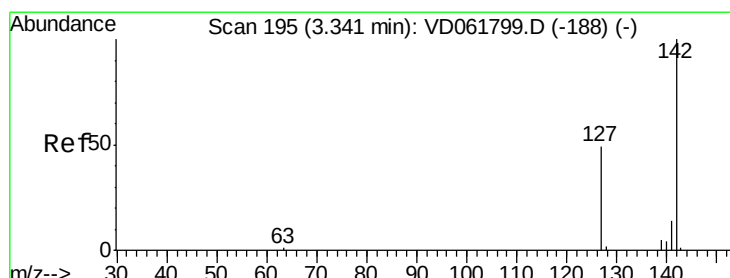
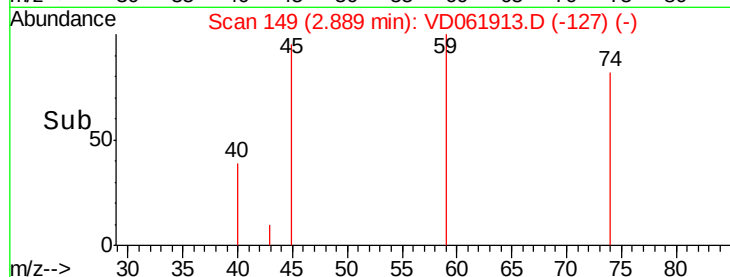
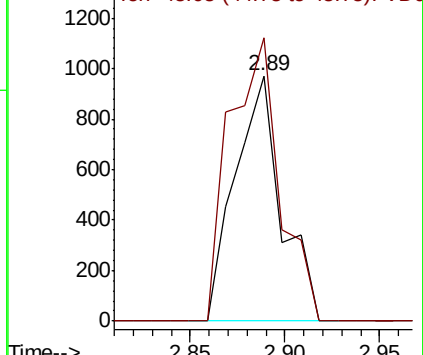
74 100

45 115.3 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#10

Methyl Iodide

Concen: 3.600 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.01 min

Lab File: VD061913.D

Acq: 19 Apr 2019 16:42

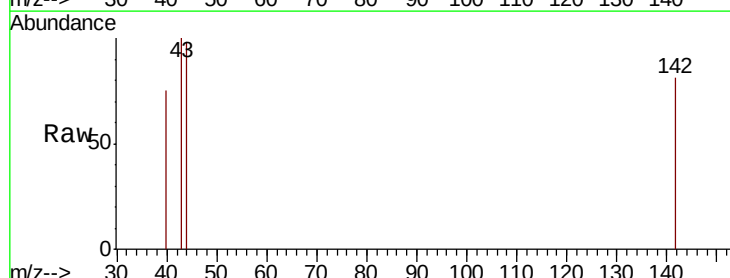
Tgt Ion: 142 Resp: 738

Ion Ratio Lower Upper

142 100

127 0.0 38.8 58.2#

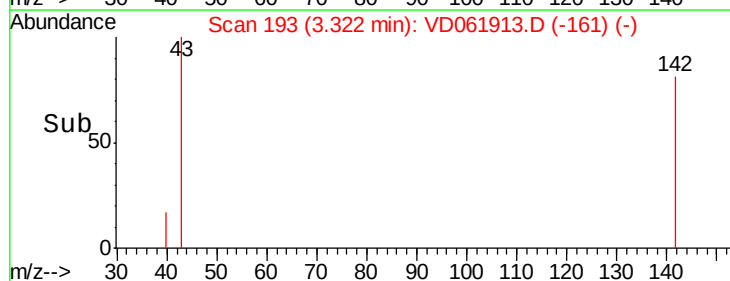
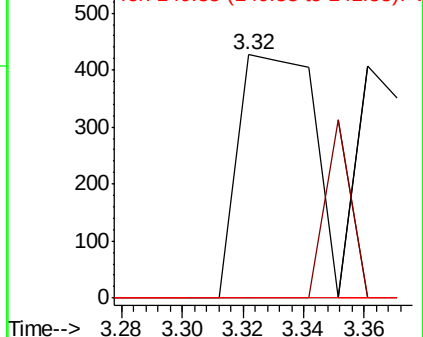
141 0.0 11.4 17.0#

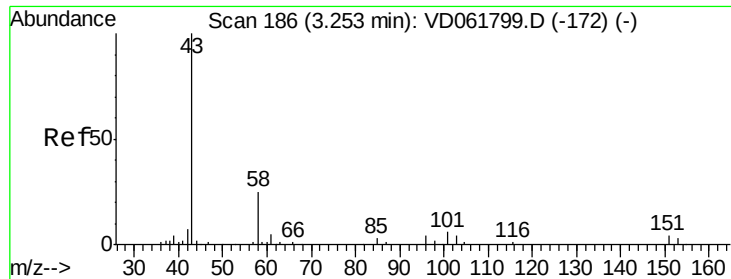


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#16

Acetone

Concen: 33.147 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD061913.D

Acq: 19 Apr 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

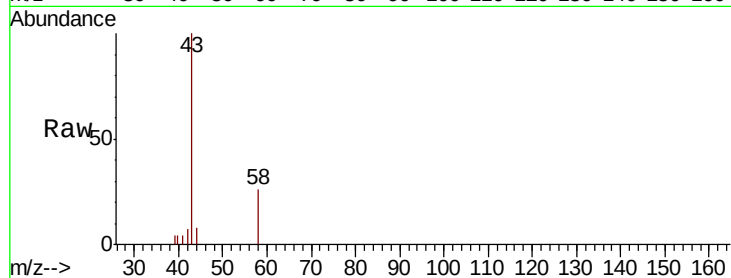
TP1-S

Tgt Ion: 43 Resp: 30651

Ion Ratio Lower Upper

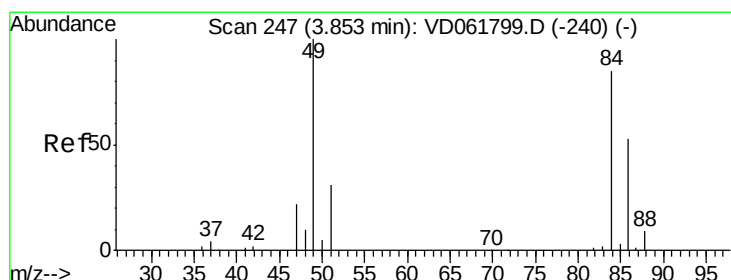
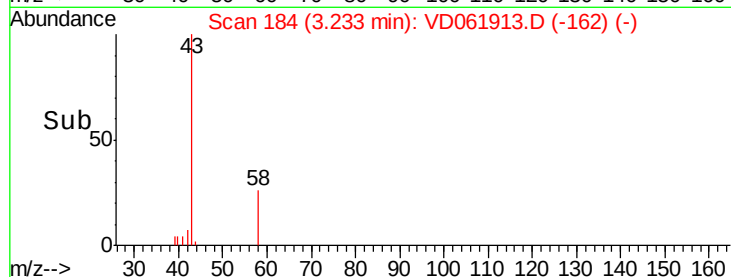
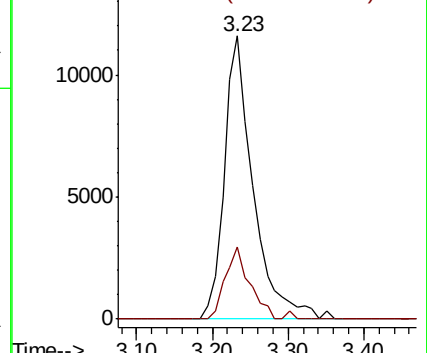
43 100

58 25.5 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 5.369 ug/l

RT: 3.83 min Scan# 245

Delta R.T. 0.02 min

Lab File: VD061913.D

Acq: 19 Apr 2019 16:42

Tgt Ion: 84 Resp: 43500

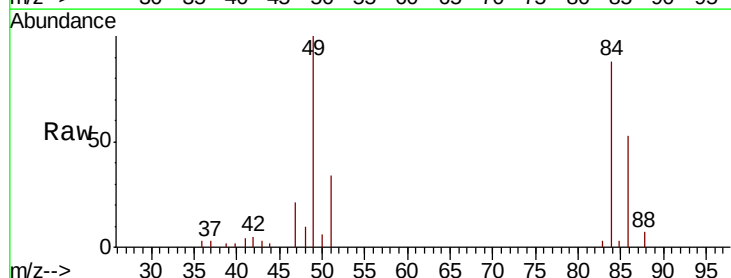
Ion Ratio Lower Upper

84 100

49 113.7 94.0 141.0

51 38.5 29.0 43.4

86 59.9 49.8 74.6

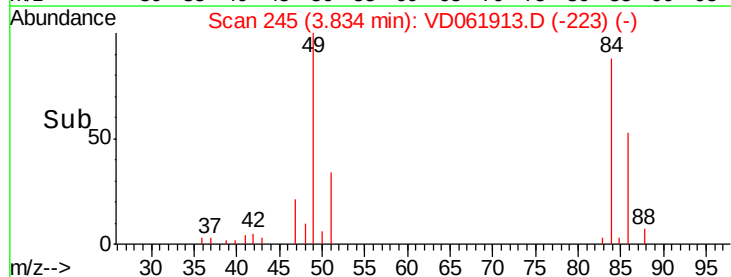
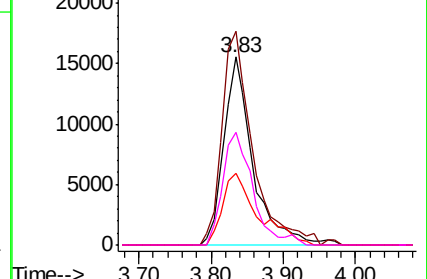


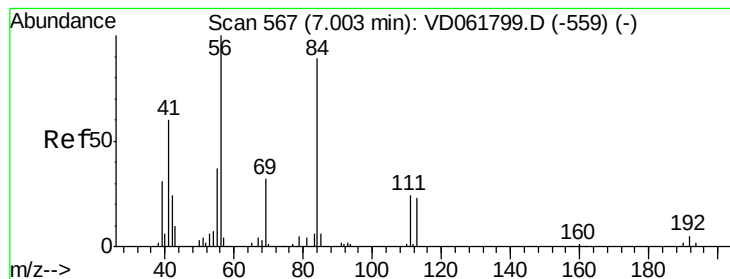
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.349 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.10 min

Lab File: VD061913.D

Acq: 19 Apr 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

TP1-S

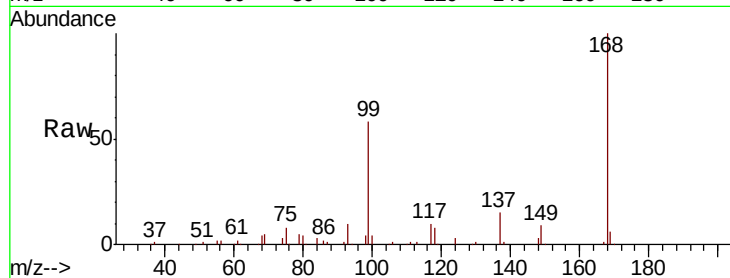
Tgt Ion: 56 Resp: 7665

Ion Ratio Lower Upper

56 100

69 249.2 25.8 38.6#

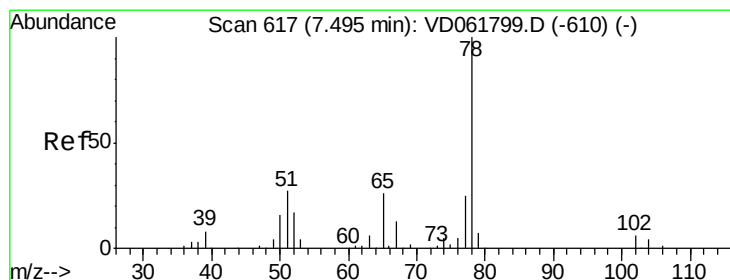
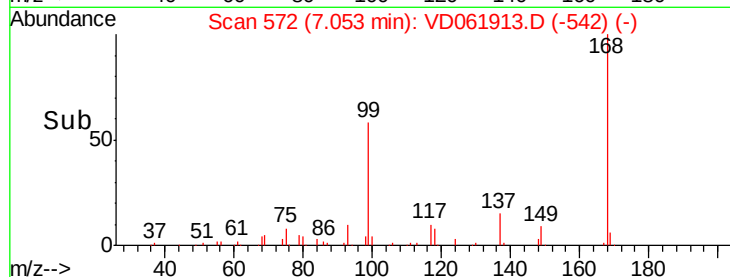
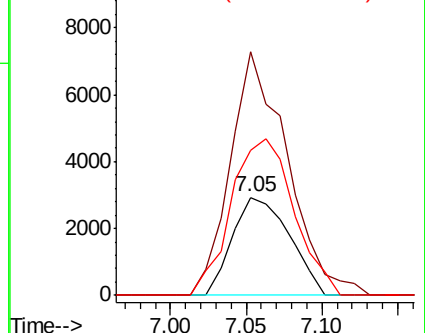
84 148.7 72.2 108.4#



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: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061913.D

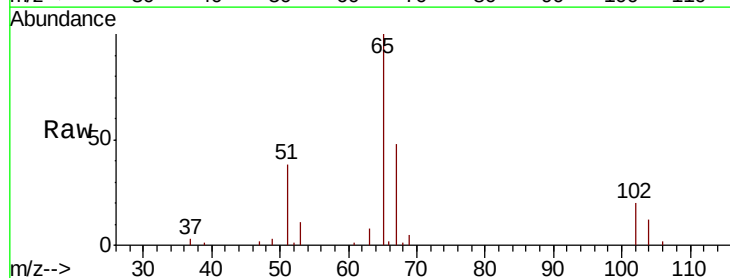
Acq: 19 Apr 2019 16:42

Tgt Ion: 65 Resp: 153126

Ion Ratio Lower Upper

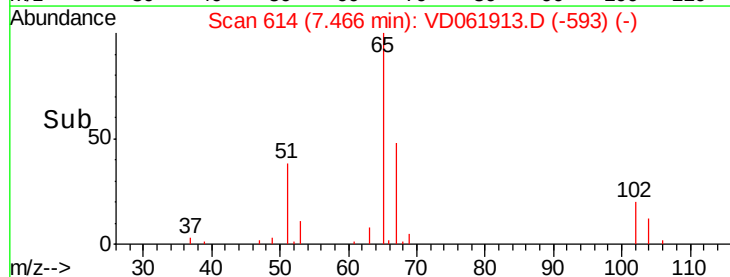
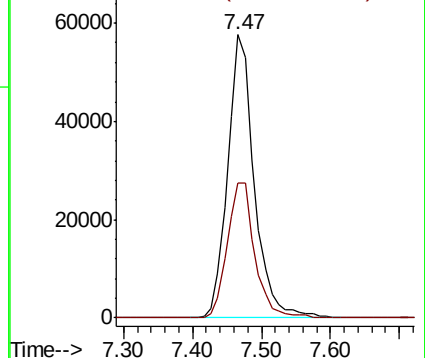
65 100

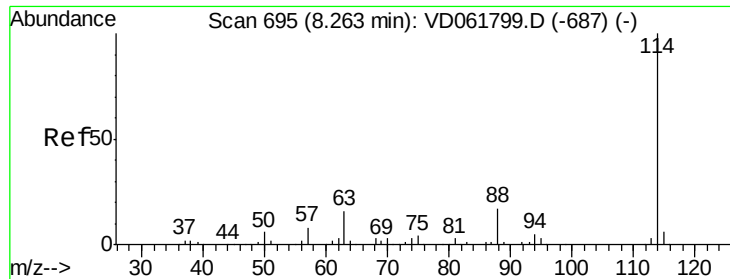
67 47.8 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

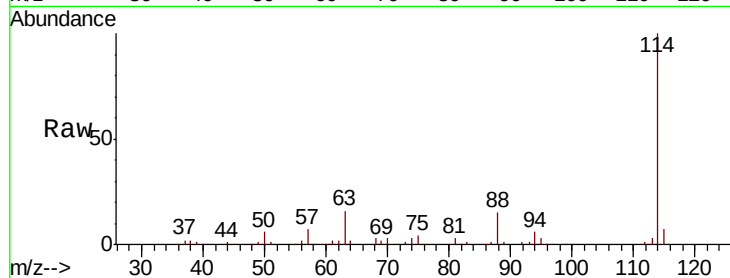




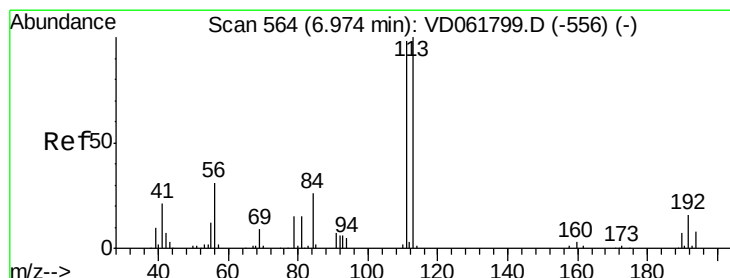
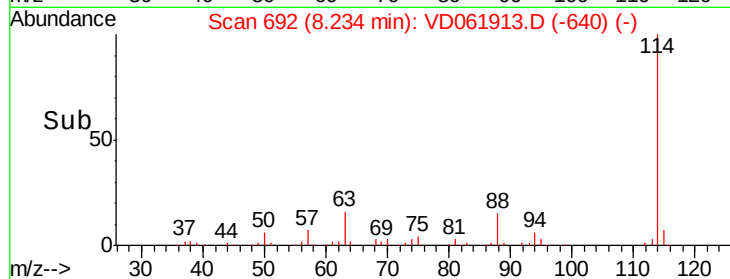
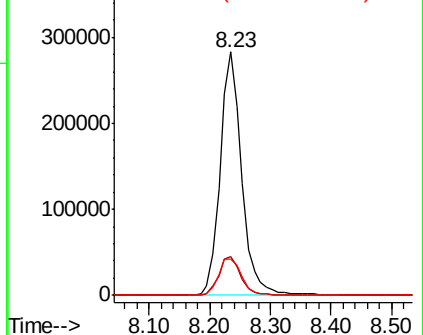
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD061913.D
 Acq: 19 Apr 2019 16:42

Instrument :
 MSVOA_D
 ClientSampleId :
 TP1-S

Tgt Ion:114 Resp: 698278
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 32.4
 88 15.1 0.0 33.6

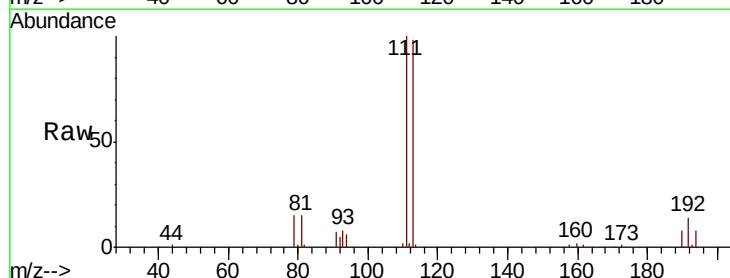


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

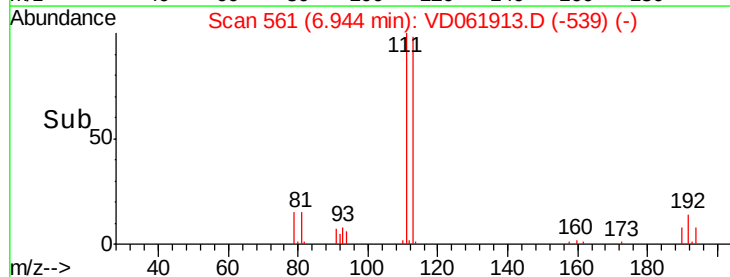
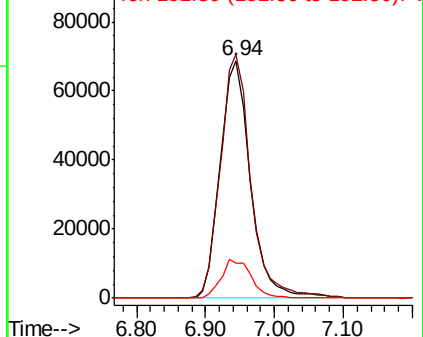


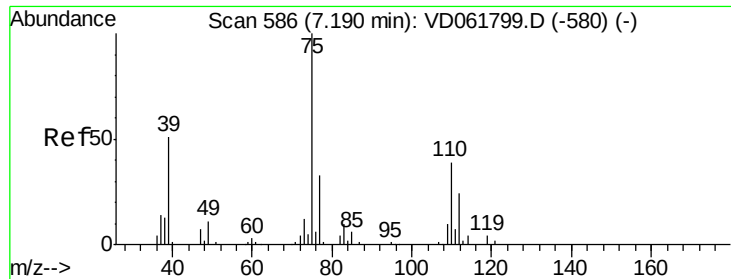
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.02 min
 Lab File: VD061913.D
 Acq: 19 Apr 2019 16:42

Tgt Ion:113 Resp: 209930
 Ion Ratio Lower Upper
 113 100
 111 102.5 78.5 117.7
 192 14.7 13.0 19.4



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

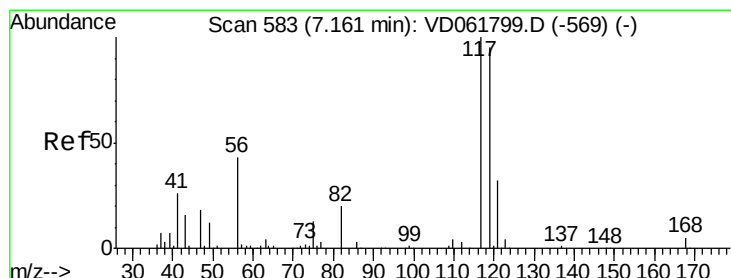
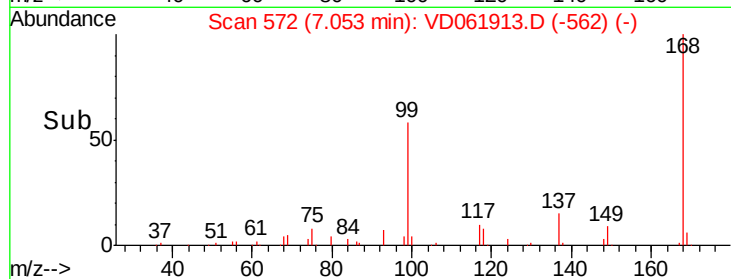
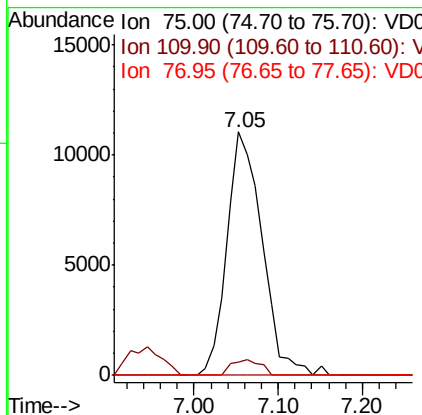
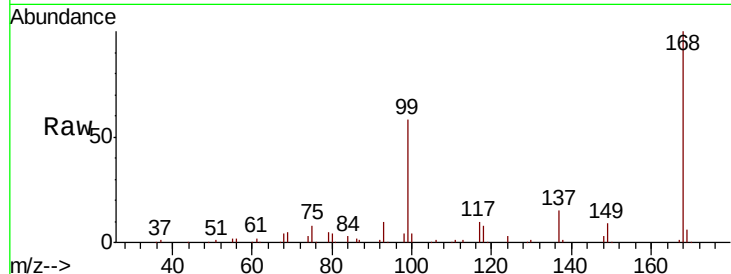




#36
 1,1-Dichloropropene
 Concen: 5.651 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.10 min
 Lab File: VD061913.D
 Acq: 19 Apr 2019 16:42

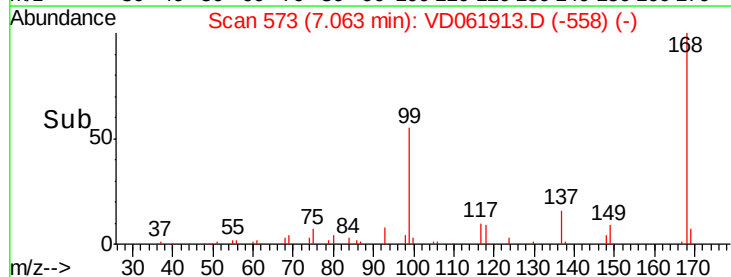
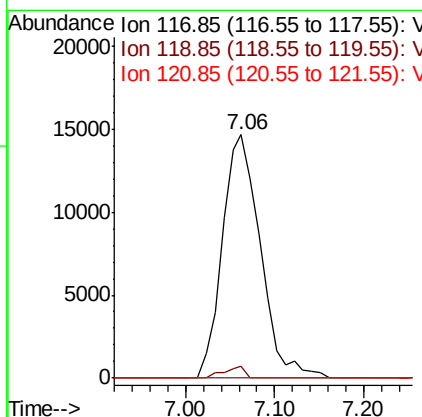
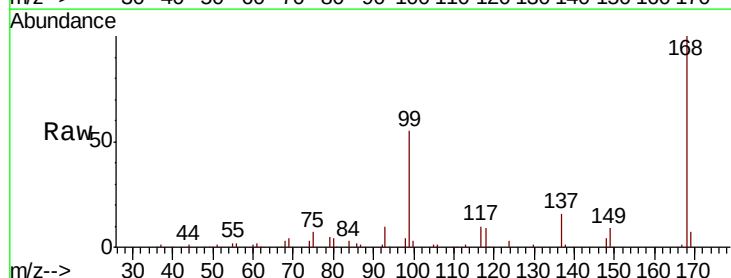
Instrument :
 MSVOA_D
 ClientSampleID :
 TP1-S

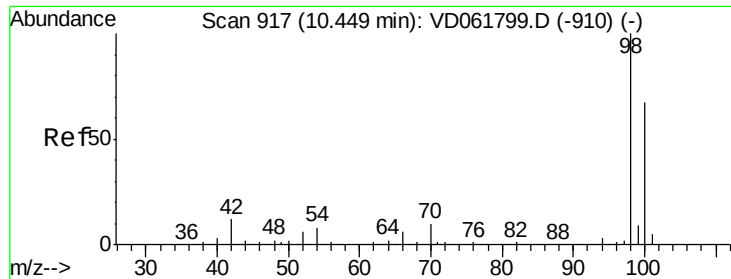
Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.2	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 6.066 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.05 min
 Lab File: VD061913.D
 Acq: 19 Apr 2019 16:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	75.8	113.8#
121	0.0	25.9	38.9#

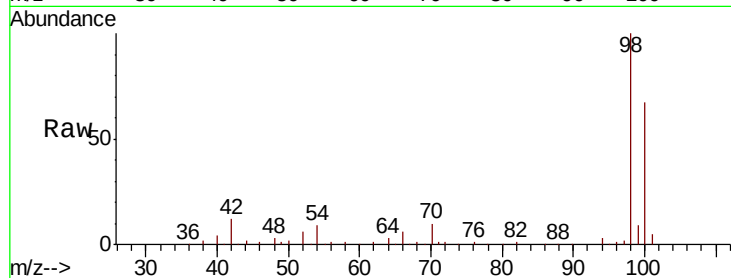




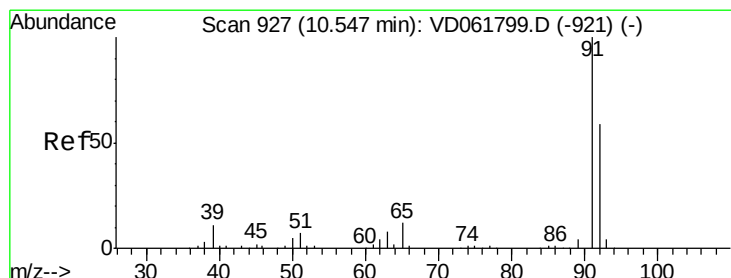
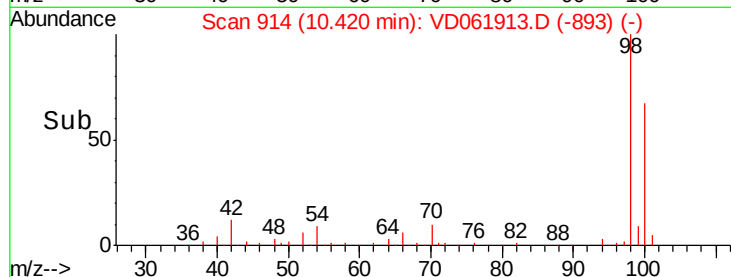
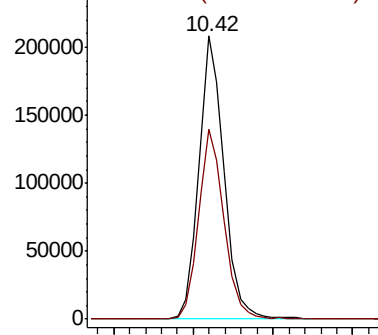
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD061913.D
Acq: 19 Apr 2019 16:42

Instrument :
MSVOA_D
ClientSampleId :
TP1-S

Tgt Ion: 98 Resp: 460733
Ion Ratio Lower Upper
98 100
100 67.0 53.8 80.8

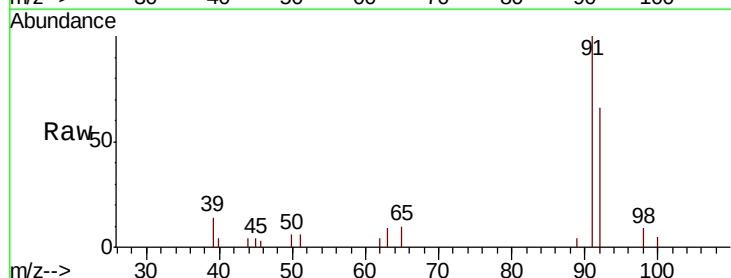


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

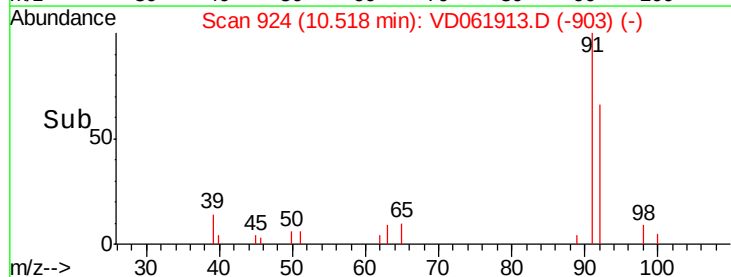
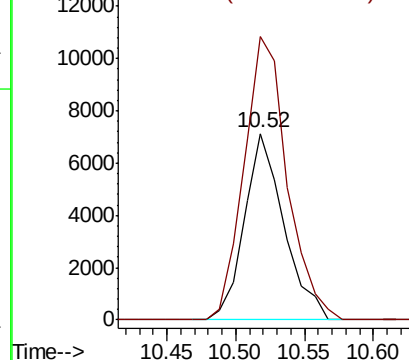


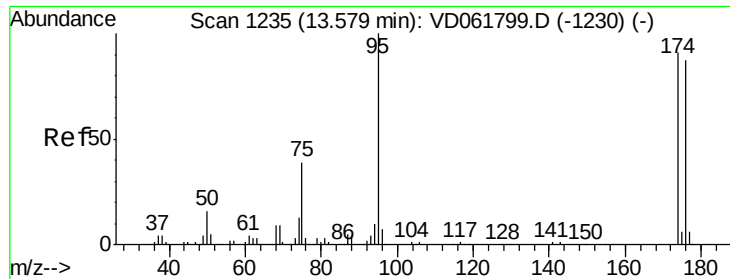
#52
Toluene
Concen: 1.619 ug/l
RT: 10.52 min Scan# 924
Delta R.T. 0.01 min
Lab File: VD061913.D
Acq: 19 Apr 2019 16:42

Tgt Ion: 92 Resp: 14217
Ion Ratio Lower Upper
92 100
91 151.9 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD061913.D

Acq: 19 Apr 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

TP1-S

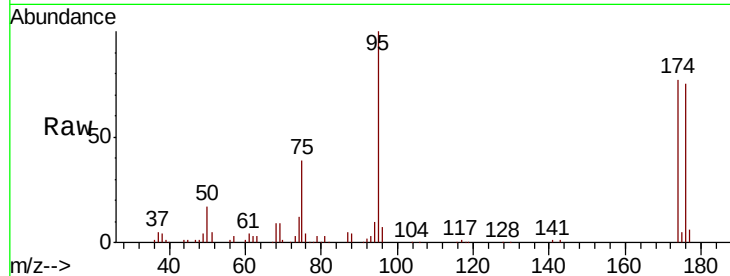
Tgt Ion: 95 Resp: 179585

Ion Ratio Lower Upper

95 100

174 76.8 0.0 181.8

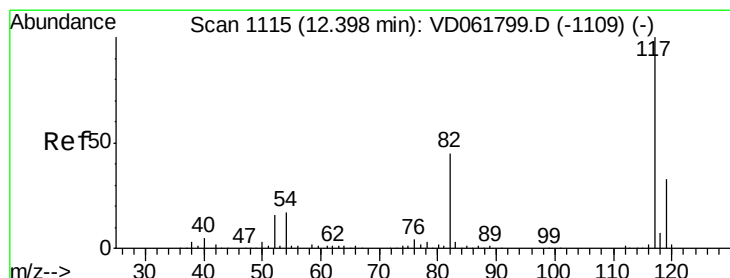
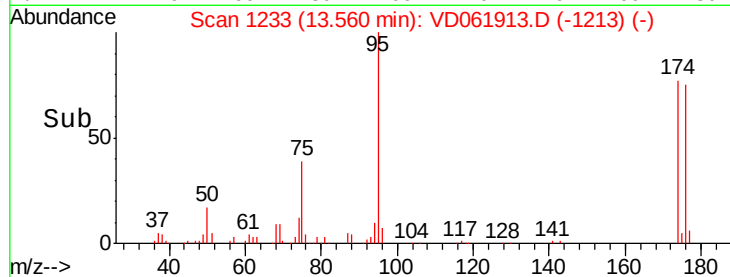
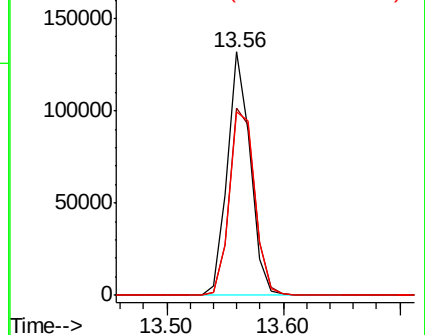
176 75.4 0.0 174.4



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: 12.38 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VD061913.D

Acq: 19 Apr 2019 16:42

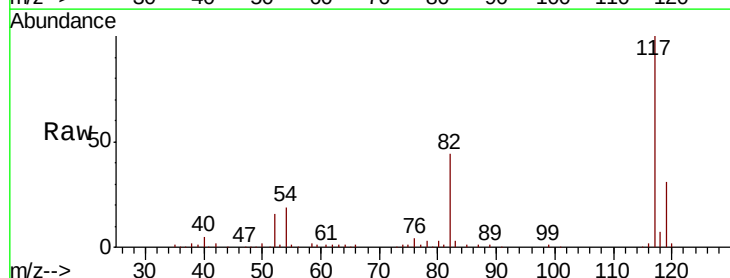
Tgt Ion: 117 Resp: 565152

Ion Ratio Lower Upper

117 100

82 43.5 36.2 54.2

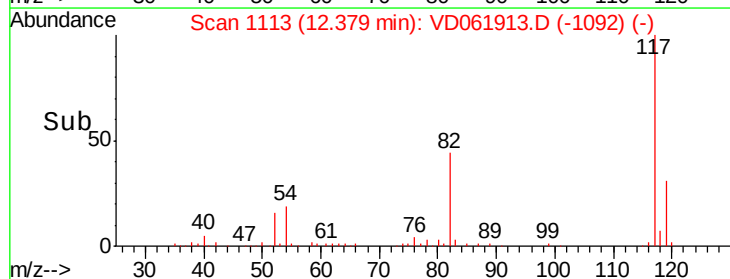
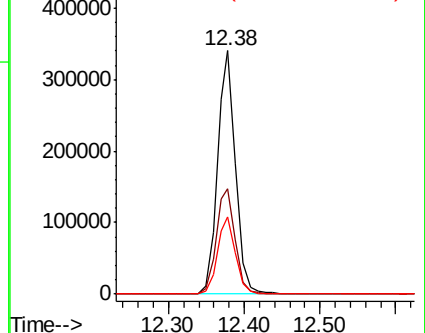
119 31.5 26.2 39.4

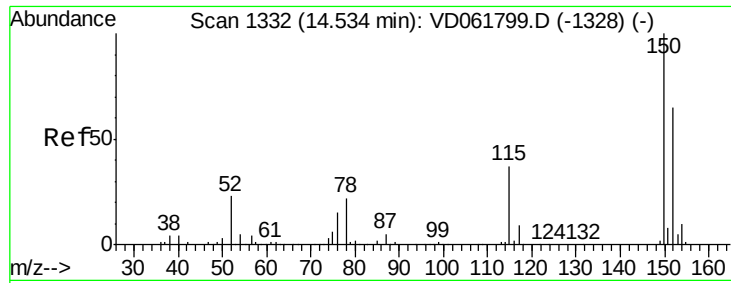


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

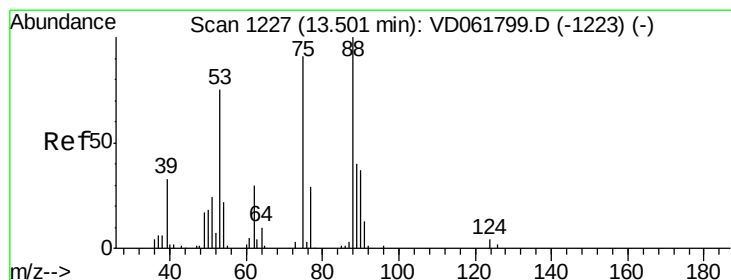
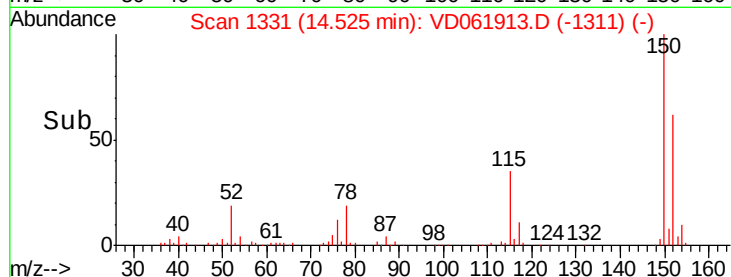
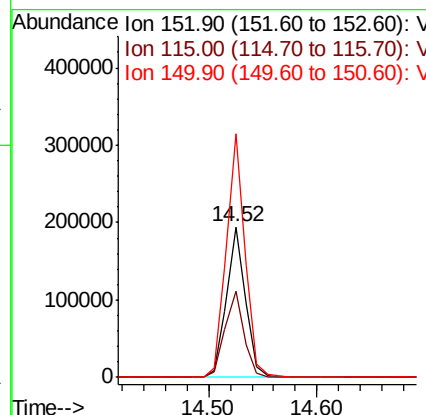
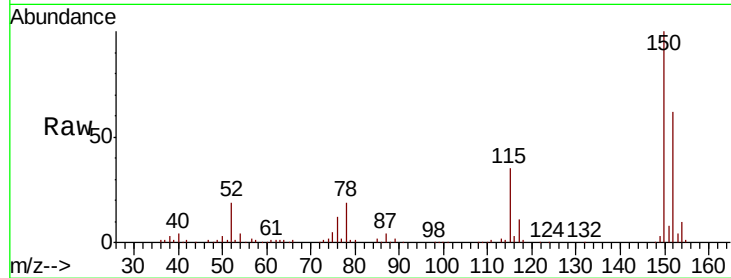




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: VD061913.D
 Acq: 19 Apr 2019 16:42

Instrument :
 MSVOA_D
 ClientSampleID :
 TP1-S

Tgt Ion: 152 Resp: 236474
 Ion Ratio Lower Upper
 152 100
 115 57.2 30.9 92.7
 150 161.6 0.0 314.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.750 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.09 min
 Lab File: VD061913.D
 Acq: 19 Apr 2019 16:42

Tgt Ion: 75 Resp: 68389
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.8#
 89 0.0 35.0 52.6#

