

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040319\
 Data File : VD061567.D
 Acq On : 3 Apr 2019 20:39
 Operator : VA/AP
 Sample : K2213-09
 Misc : 4.76µl/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 04 01:51:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

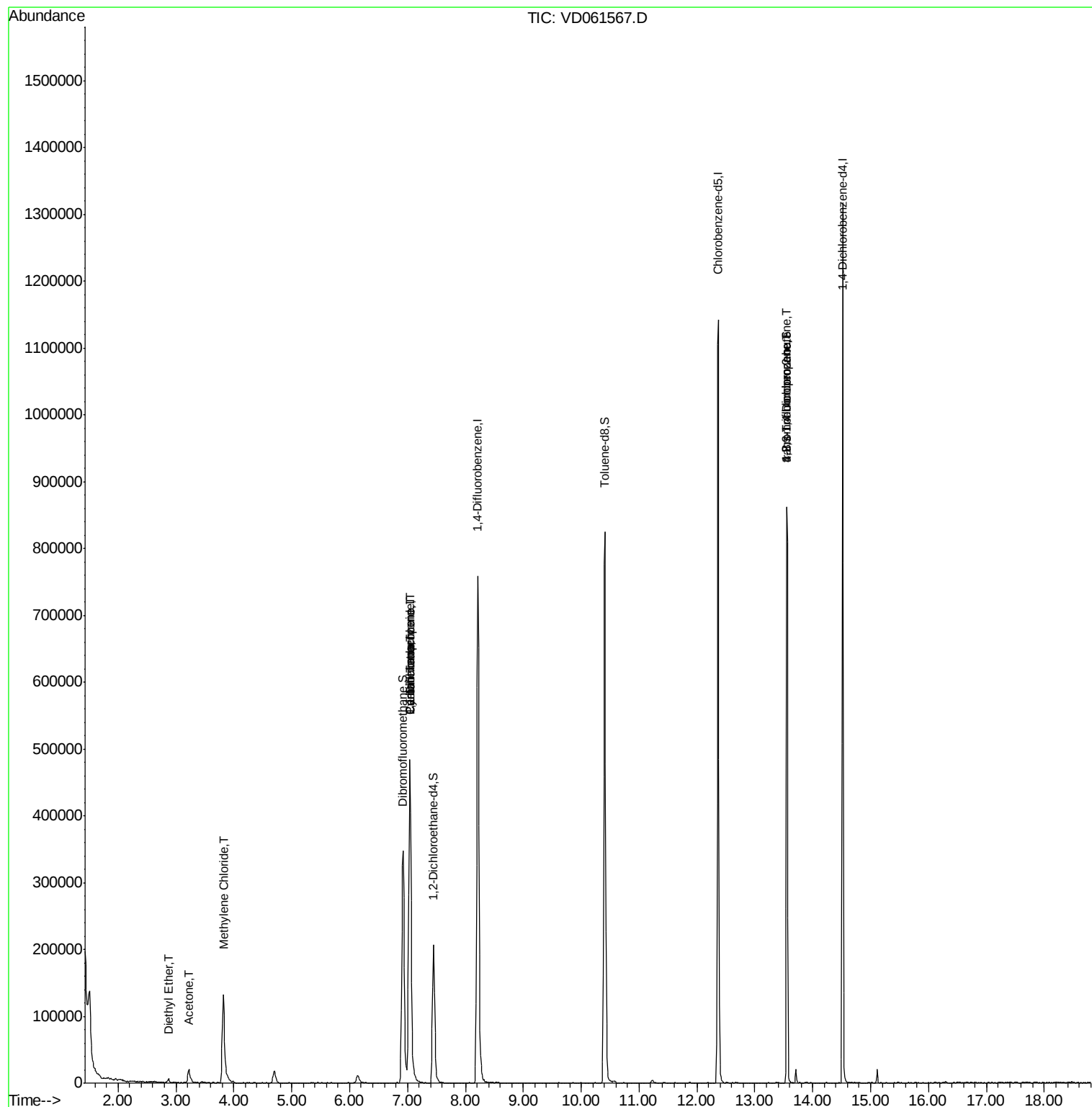
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	509718	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	917716	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	744772	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	303664	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	214655	49.30	ug/l	0.01
Spiked Amount 50.000			Recovery	=	98.60%	
35) Dibromofluoromethane	6.92	113	334661	47.72	ug/l	0.02
Spiked Amount 50.000			Recovery	=	95.44%	
50) Toluene-d8	10.41	98	719277	42.76	ug/l	0.02
Spiked Amount 50.000			Recovery	=	85.52%	
62) 4-Bromofluorobenzene	13.55	95	294959	45.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.46%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.88	74	1958	1.026	ug/l	92
16) Acetone	3.22	43	40628	36.297	ug/l	99
20) Methylene Chloride	3.82	84	105390	15.482	ug/l	95
31) Cyclohexane	7.03	56	8251	1.100	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	37174	4.641	ug/l #	45
38) Carbon Tetrachloride	7.04	117	47880	5.202	ug/l #	14
76) 1,2,3-Trichloropropane	13.55	75	92441	21.074	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.55	75	109504	81.875	ug/l #	18

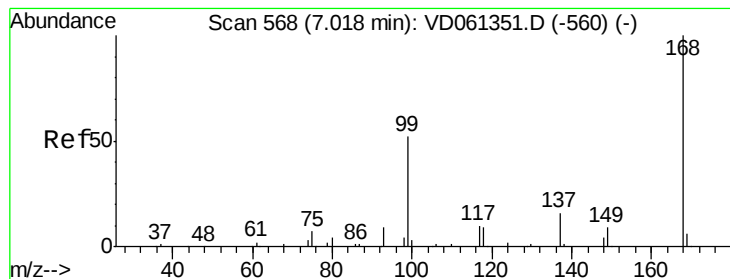
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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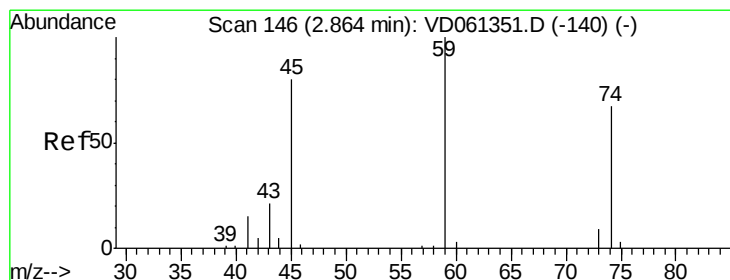
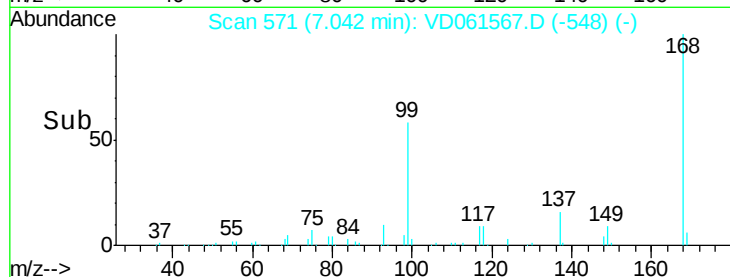
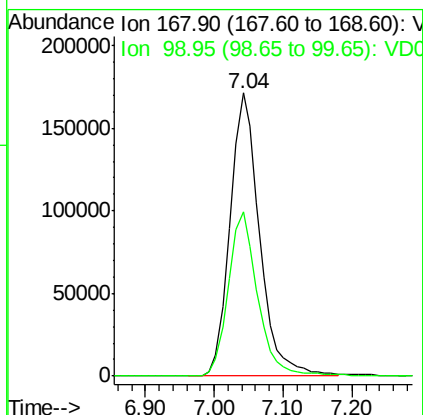
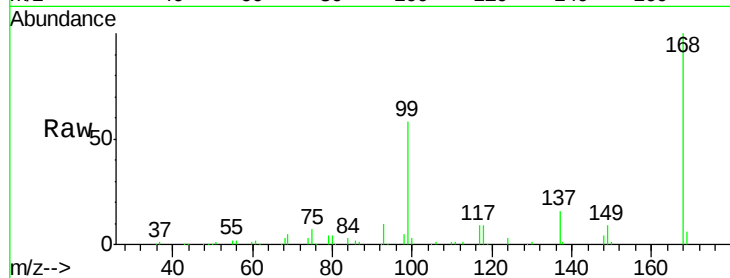




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.02 min
Lab File: VD061567.D
Acq: 3 Apr 2019 20:39

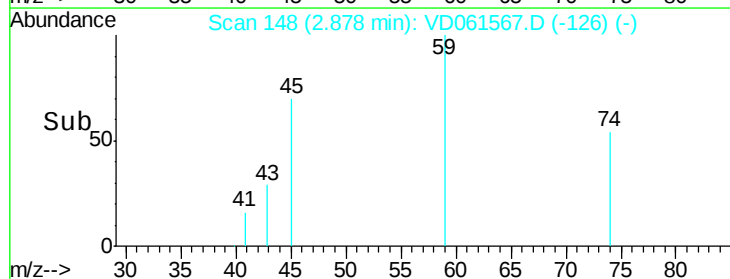
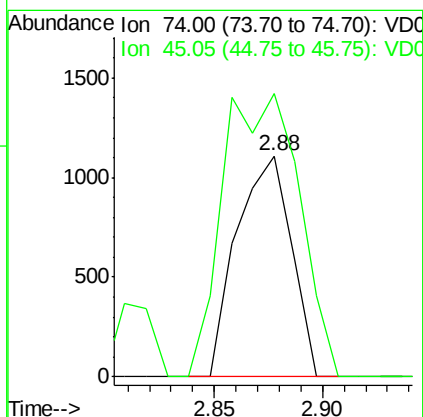
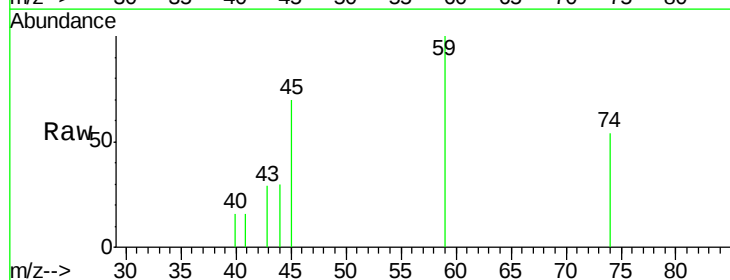
Instrument :
MSVOA_D
ClientSampleId :

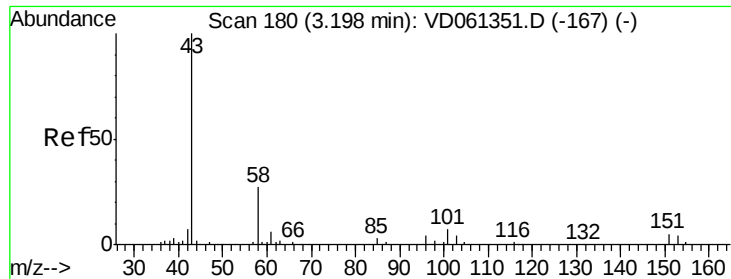
Tot Ion:168 Resp: 509718
Ion Ratio Lower Upper
168 100
99 58.1 43.1 64.7



#8
Diethyl Ether
Concen: 1.026 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.01 min
Lab File: VD061567.D
Acq: 3 Apr 2019 20:39

Tgt Ion: 74 Resp: 1958
Ion Ratio Lower Upper
74 100
45 127.9 59.7 179.1





#16

Acetone

Concen: 36.297 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061567.D

Acq: 3 Apr 2019 20:39

Instrument :

MSVOA_D

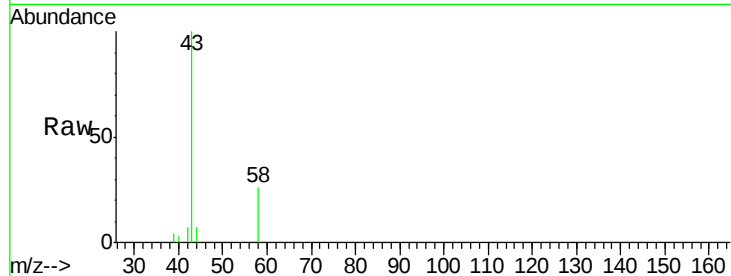
ClientSampleId :

Tot Ion: 43 Resp: 40628

Ion Ratio Lower Upper

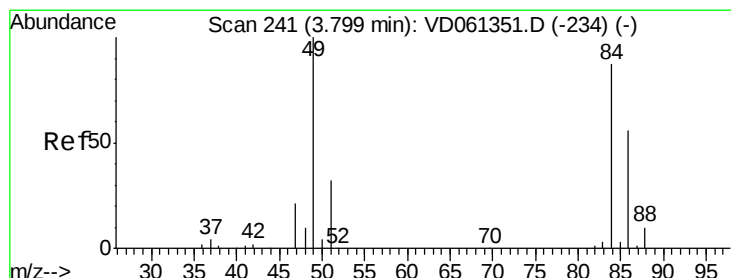
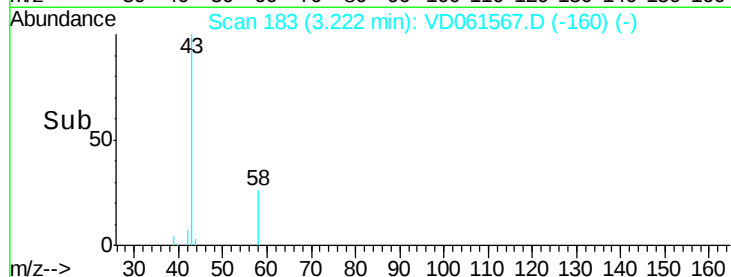
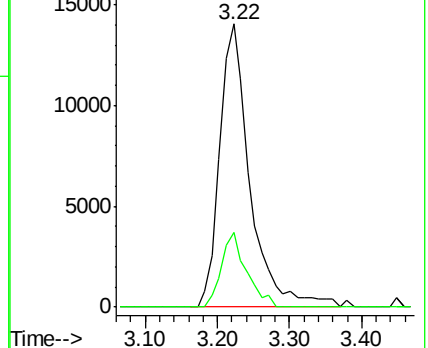
43 100

58 26.3 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 15.482 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD061567.D

Acq: 3 Apr 2019 20:39

Tgt Ion: 84 Resp: 105390

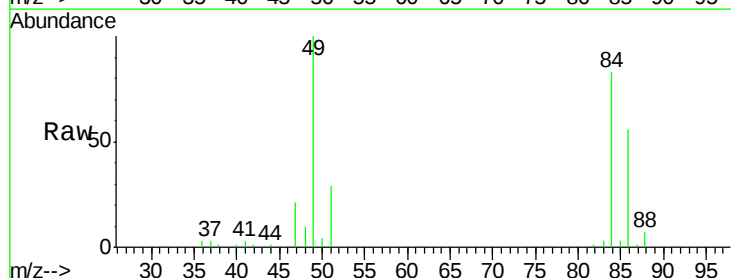
Ion Ratio Lower Upper

84 100

49 120.9 91.8 137.8

51 34.6 29.8 44.8

86 68.3 51.8 77.6

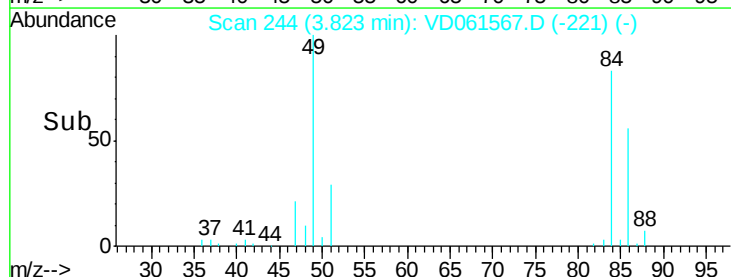
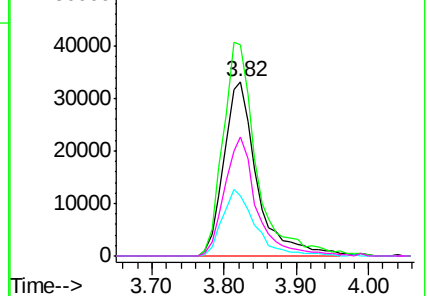


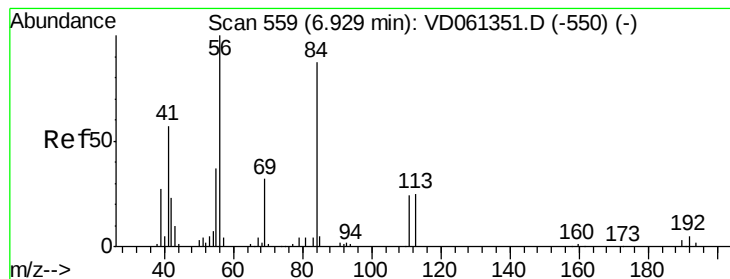
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.100 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.10 min

Lab File: VD061567.D

Acq: 3 Apr 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

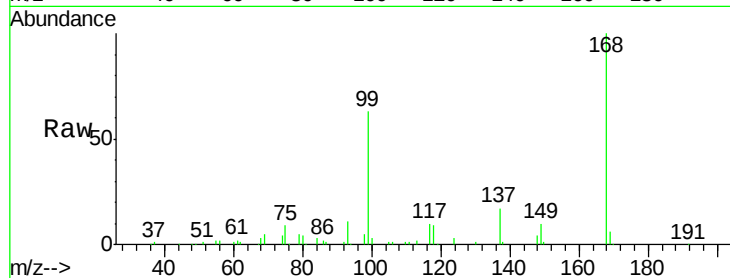
Tot Ion: 56 Resp: 8251

Ion Ratio Lower Upper

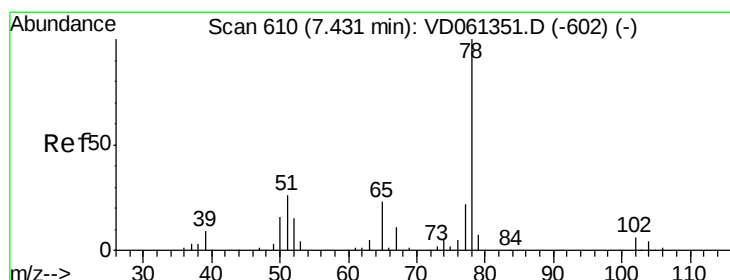
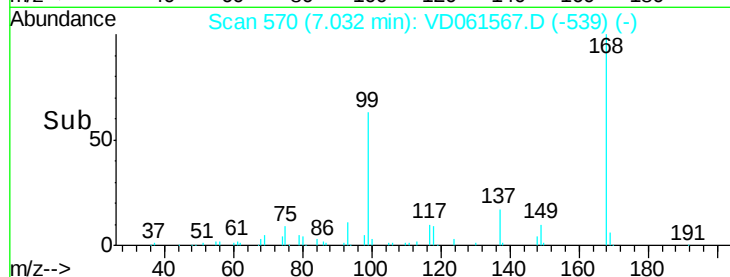
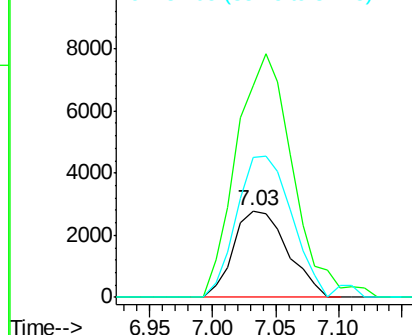
56 100

69 244.0 25.7 38.5#

84 162.4 70.6 105.8#



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: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD061567.D

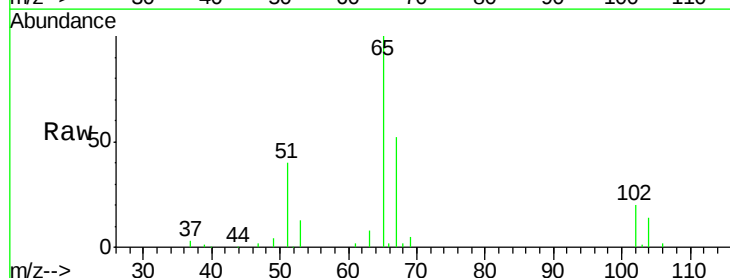
Acq: 3 Apr 2019 20:39

Tgt Ion: 65 Resp: 214655

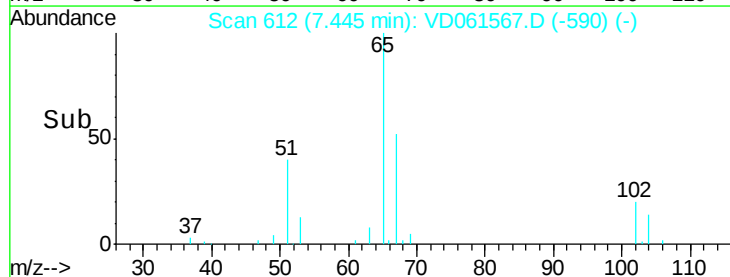
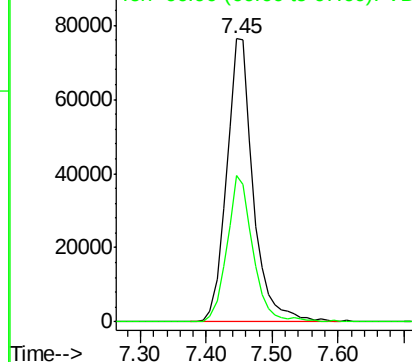
Ion Ratio Lower Upper

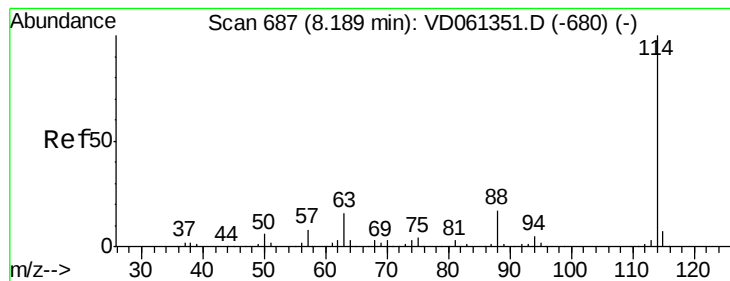
65 100

67 51.7 0.0 99.8



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: 8.21 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD061567.D

Acq: 3 Apr 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

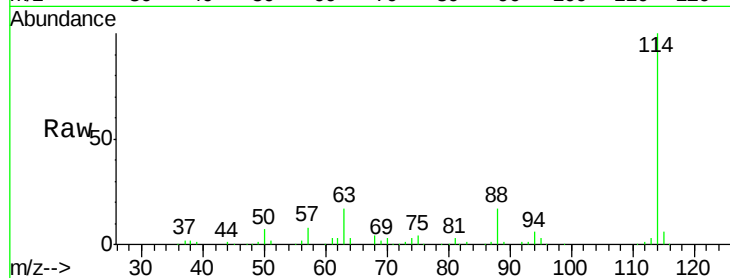
Tot Ion:114 Resp: 917716

Ion Ratio Lower Upper

114 100

63 16.8 0.0 31.6

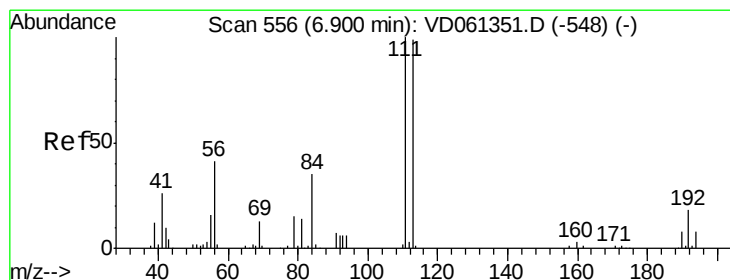
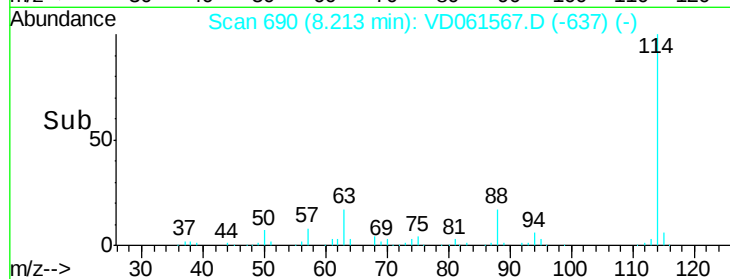
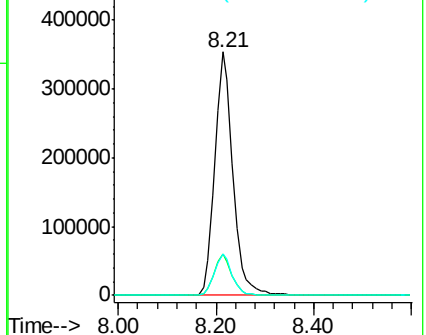
88 16.9 0.0 33.4



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: 6.92 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD061567.D

Acq: 3 Apr 2019 20:39

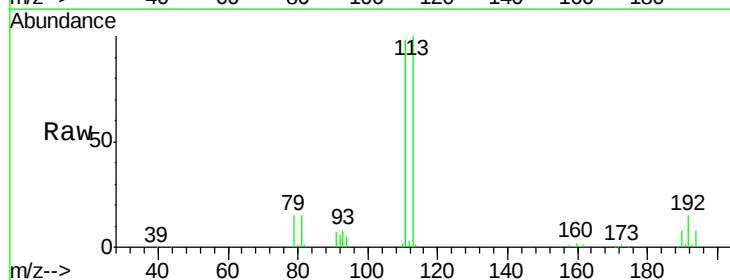
Tgt Ion:113 Resp: 334661

Ion Ratio Lower Upper

113 100

111 98.4 81.0 121.6

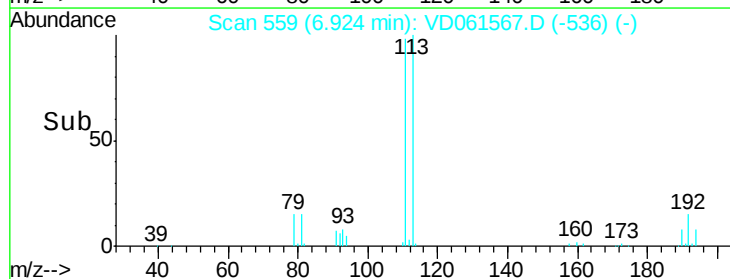
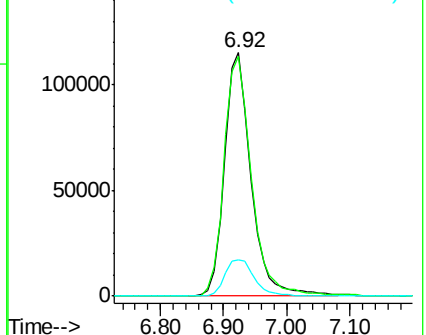
192 15.0 14.4 21.6

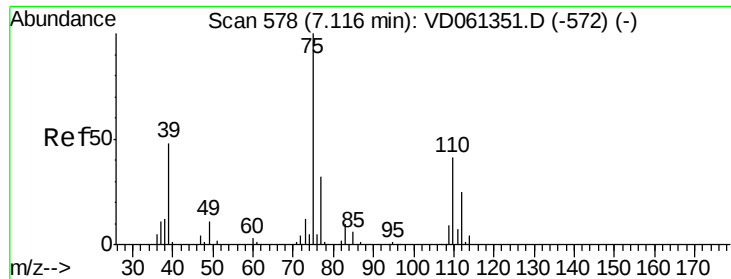


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

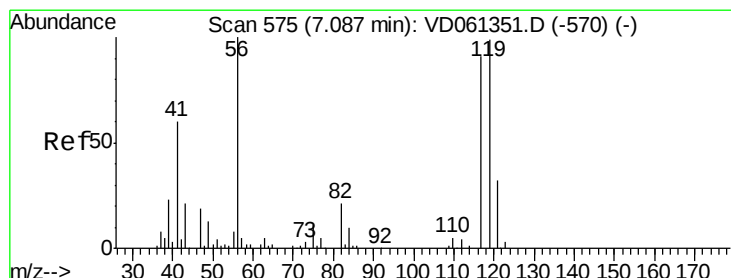
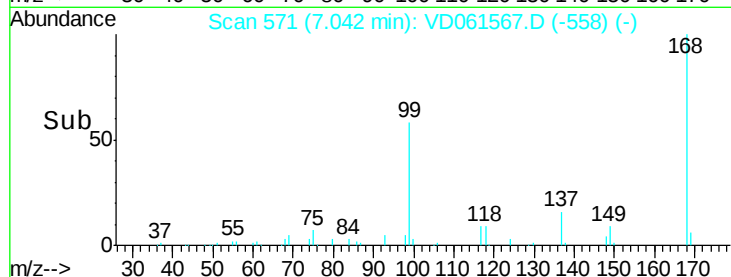
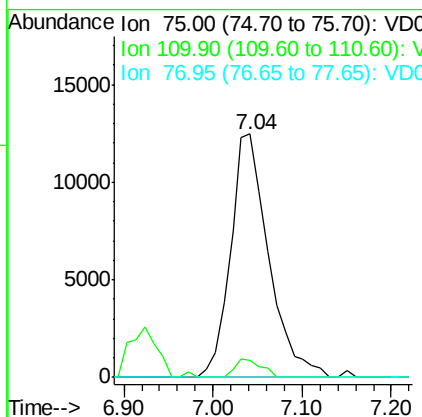
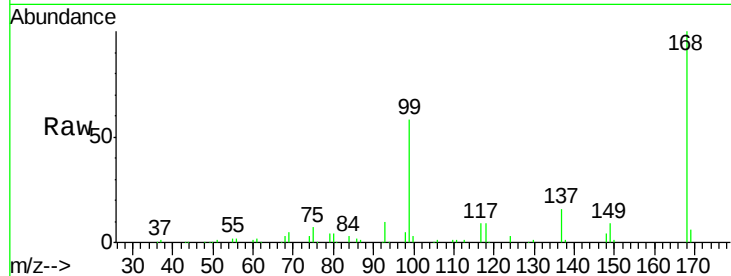




#36
 1,1-Dichloropropene
 Concen: 4.641 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD061567.D
 Acq: 3 Apr 2019 20:39

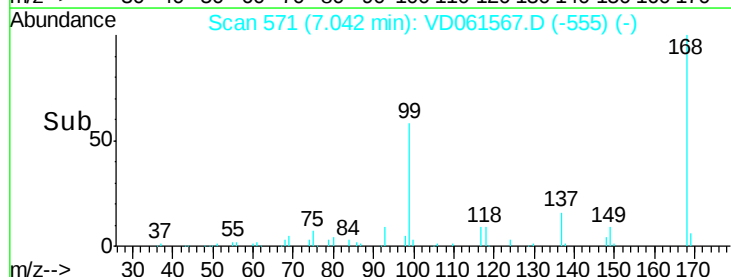
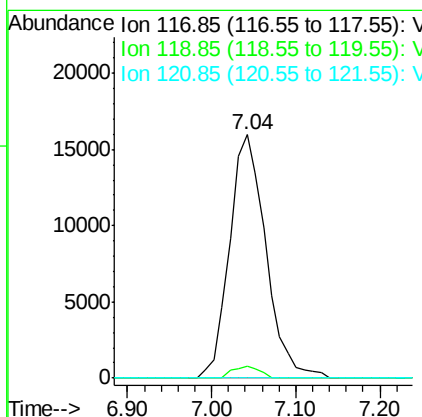
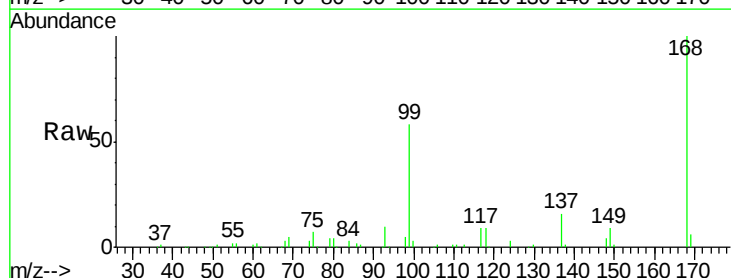
Instrument :
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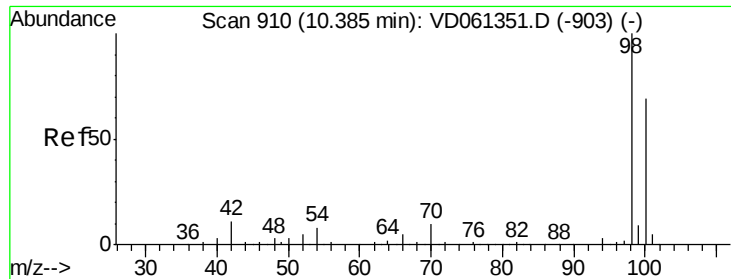
Tot Ion: 75 Resp: 37174
 Ion Ratio Lower Upper
 75 100
 110 7.1 20.4 61.3#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.202 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.05 min
 Lab File: VD061567.D
 Acq: 3 Apr 2019 20:39

Tgt Ion: 117 Resp: 47880
 Ion Ratio Lower Upper
 117 100
 119 4.9 80.1 120.1#
 121 0.0 25.6 38.4#

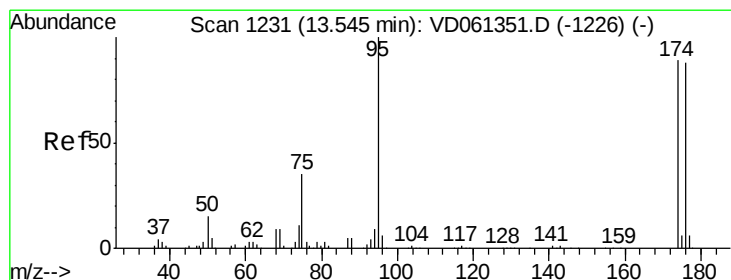
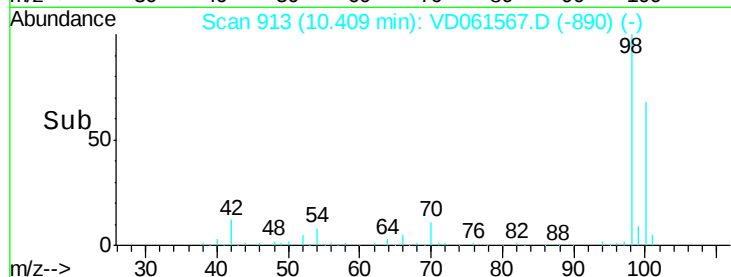
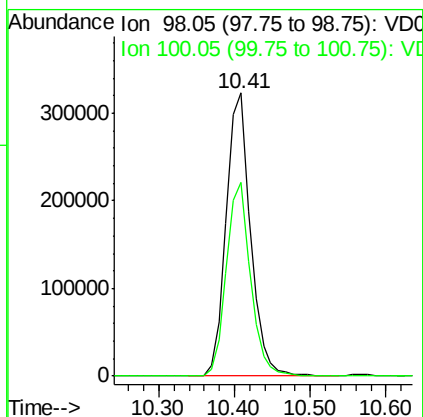
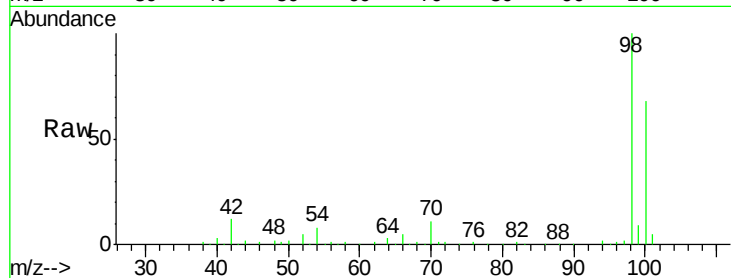




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.02 min
Lab File: VD061567.D
Acq: 3 Apr 2019 20:39

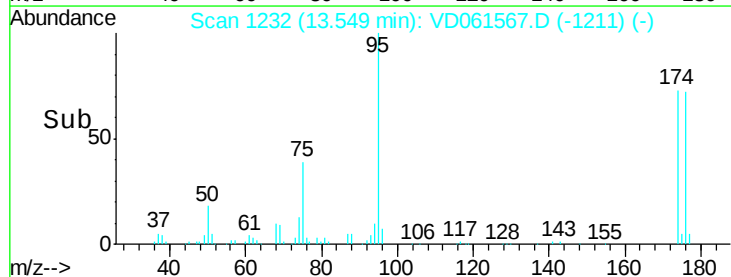
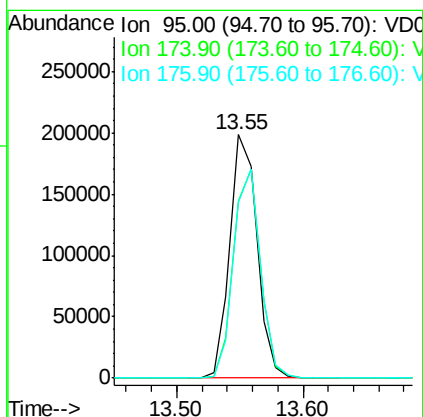
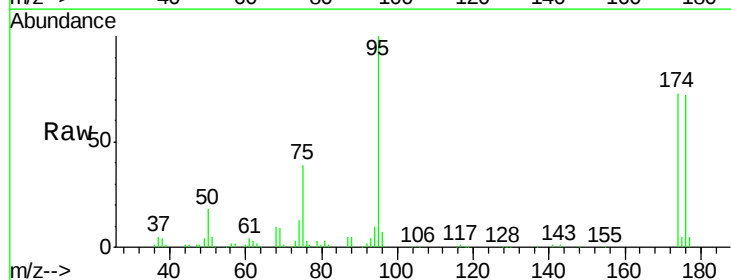
Instrument :
MSVOA_D
ClientSampleId :

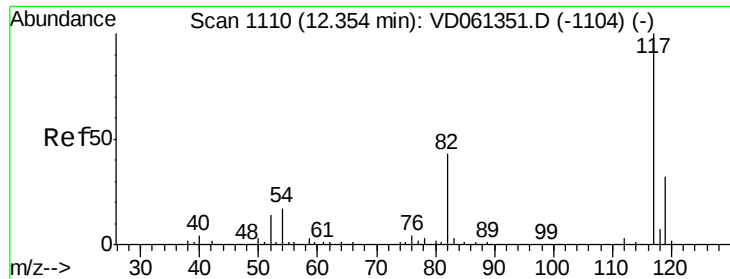
Tot Ion: 98 Resp: 719277
Ion Ratio Lower Upper
98 100
100 68.3 56.2 84.2



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD061567.D
Acq: 3 Apr 2019 20:39

Tgt Ion: 95 Resp: 294959
Ion Ratio Lower Upper
95 100
174 72.7 0.0 178.0
176 72.1 0.0 175.0

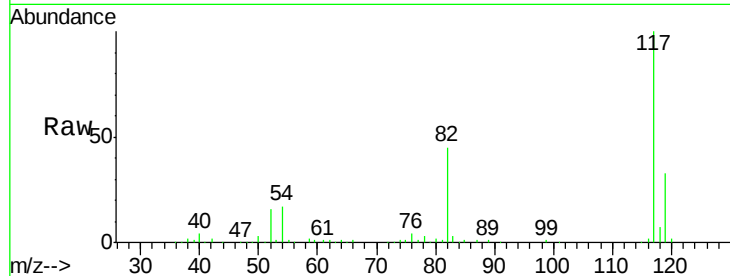




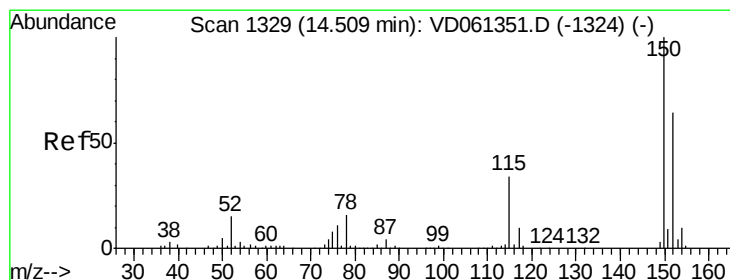
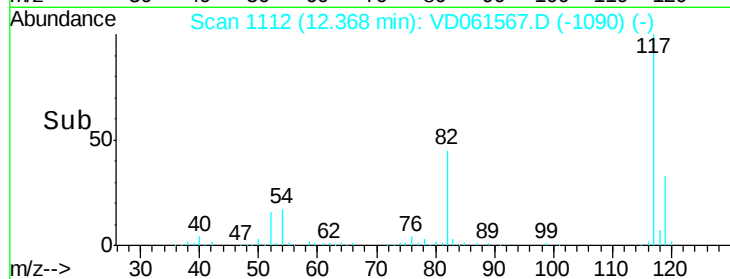
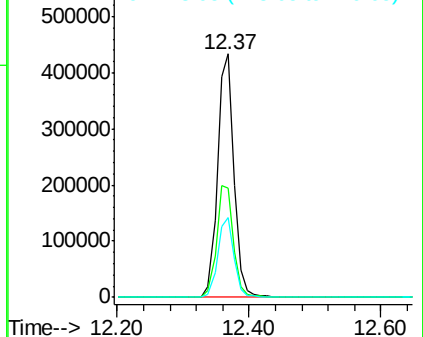
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061567.D
Acq: 3 Apr 2019 20:39

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 744772
Ion Ratio Lower Upper
117 100
82 44.9 34.4 51.6
119 32.7 25.8 38.6

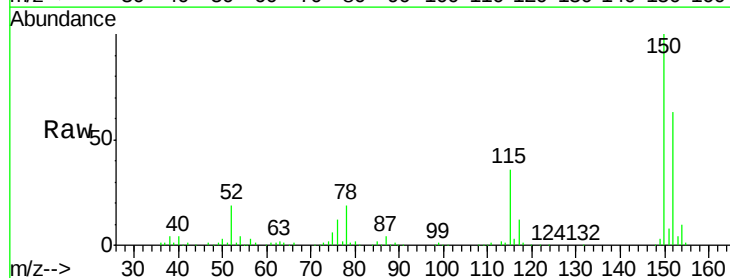


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

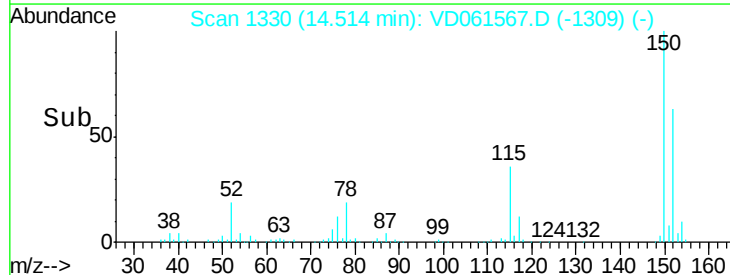
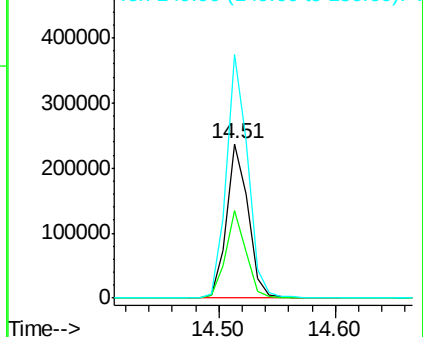


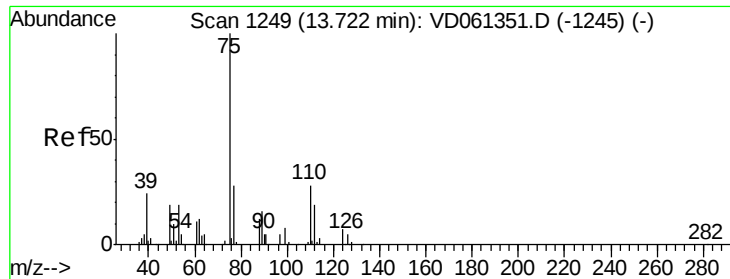
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061567.D
Acq: 3 Apr 2019 20:39

Tgt Ion:152 Resp: 303664
Ion Ratio Lower Upper
152 100
115 56.7 26.9 80.6
150 157.7 0.0 318.0



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





#76

1,2,3-Trichloropropane

Concen: 21.074 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD061567.D

Acq: 3 Apr 2019 20:39

Instrument :

MSVOA_D

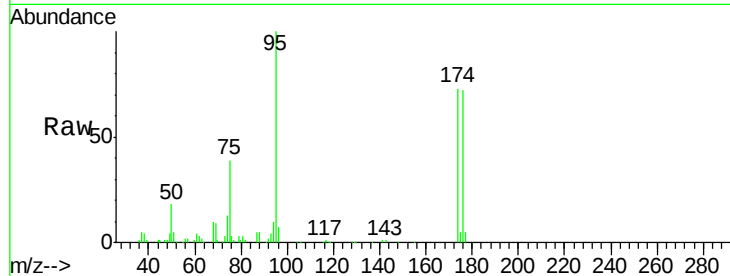
ClientSampleId :

Tot Ion: 75 Resp: 92441

Ion Ratio Lower Upper

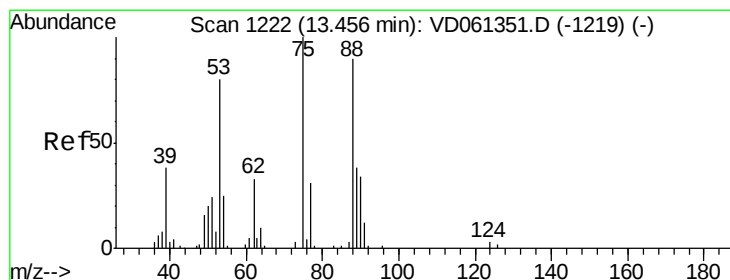
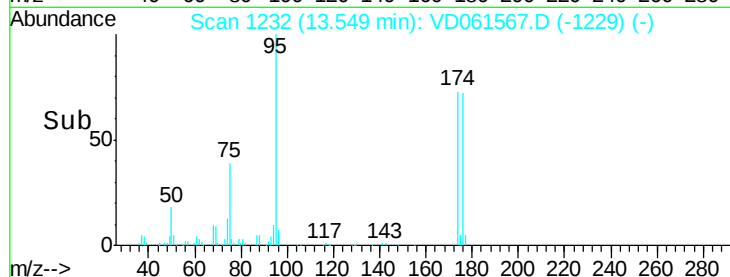
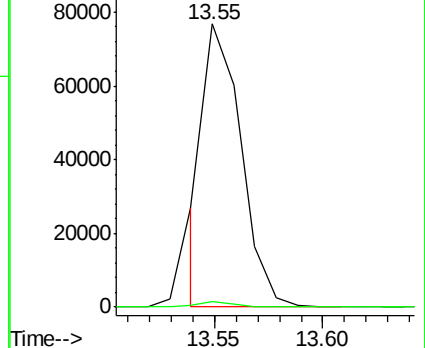
75 100

77 2.1 16.2 48.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 81.875 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD061567.D

Acq: 3 Apr 2019 20:39

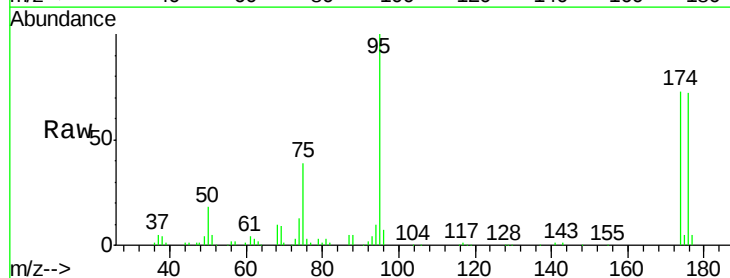
Tgt Ion: 75 Resp: 109504

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#



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

