

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061168.D
 Acq On : 19 Mar 2019 3:38
 Operator : VA/AP
 Sample : K1956-01RE
 Misc : 4.77g/5ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 19 04:52:55 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	7.04	168	690785	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1213284	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	973742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	453539	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	295016	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
35) Dibromofluoromethane	6.92	113	467159	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
50) Toluene-d8	10.39	98	1084556	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
62) 4-Bromofluorobenzene	13.54	95	439220	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	

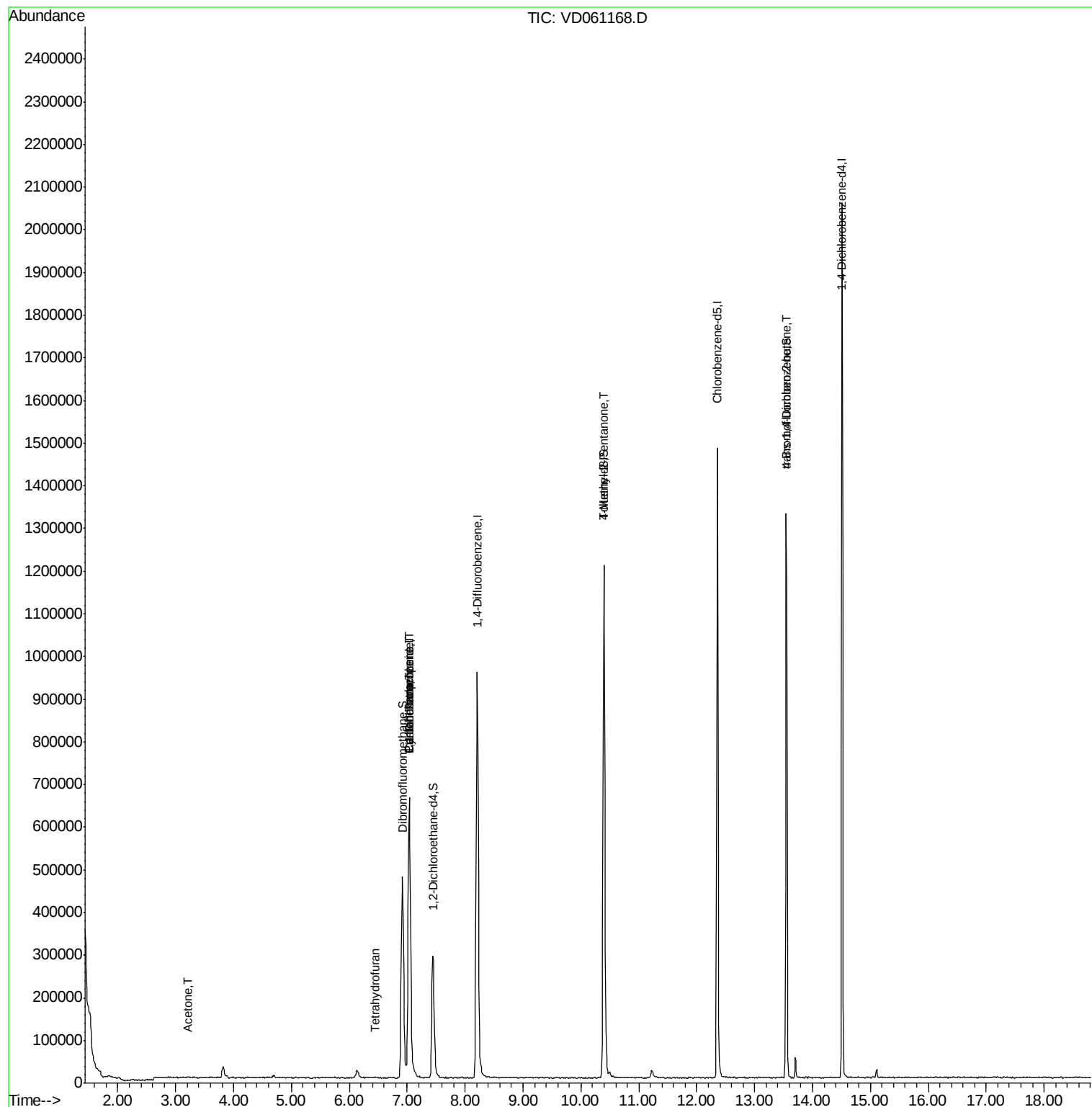
Target Compounds						Qvalue
16) Acetone	3.22	43	6585	4.005	ug/l	97
20) Methylene Chloride	3.83	84	20734	Below Cal		92
29) Tetrahydrofuran	6.45	42	1367	1.349	ug/l #	65
31) Cyclohexane	7.03	56	12304	1.209	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	49889	4.770	ug/l #	45
38) Carbon Tetrachloride	7.04	117	67651	5.872	ug/l #	15
51) 4-Methyl-2-Pentanone	10.39	43	4777	1.147	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.54	75	165945	86.264	ug/l #	17

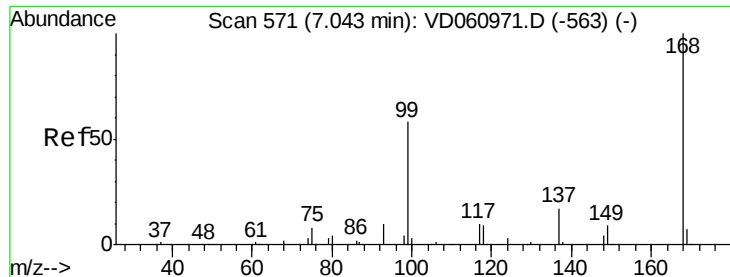
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061168.D

Acq: 19 Mar 2019 3:38

Instrument :

MSVOA_D

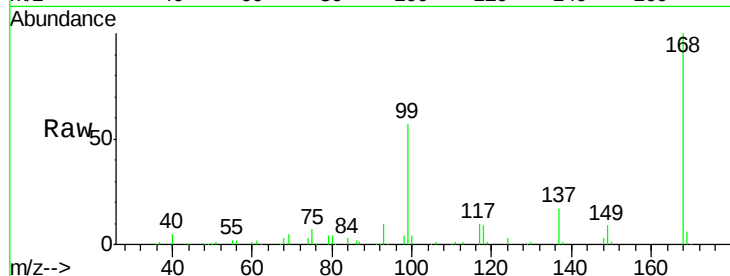
ClientSampleId :

Tot Ion:168 Resp: 690785

Ion Ratio Lower Upper

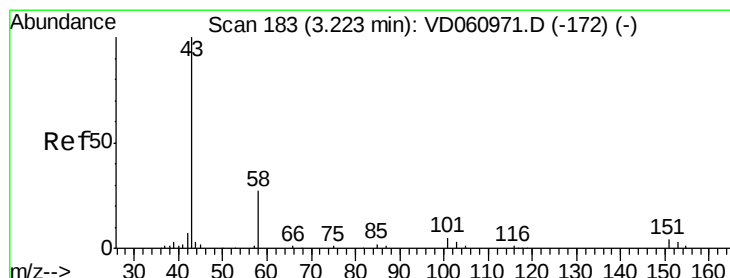
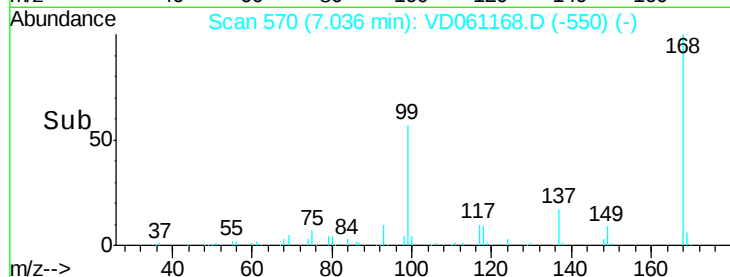
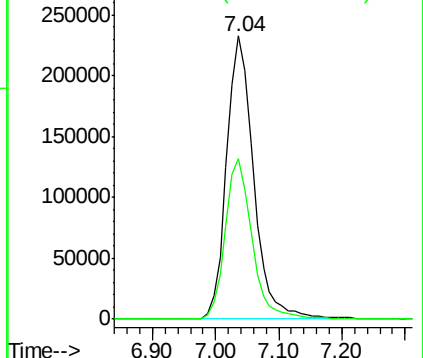
168 100

99 56.9 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 4.005 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061168.D

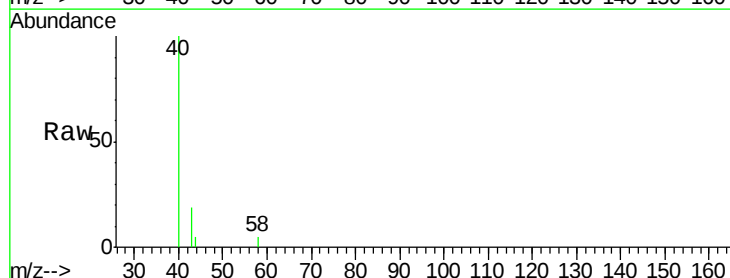
Acq: 19 Mar 2019 3:38

Tgt Ion: 43 Resp: 6585

Ion Ratio Lower Upper

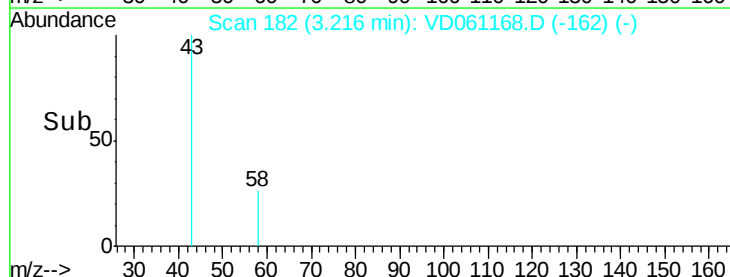
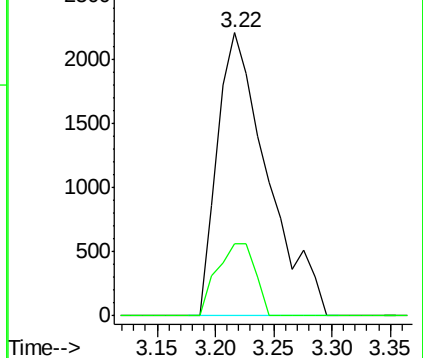
43 100

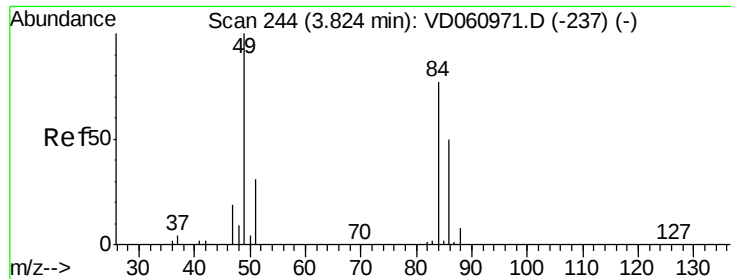
58 25.7 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

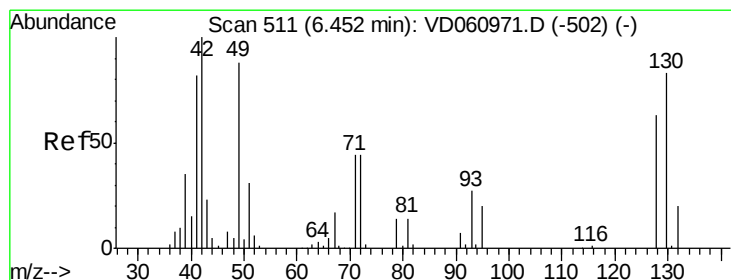
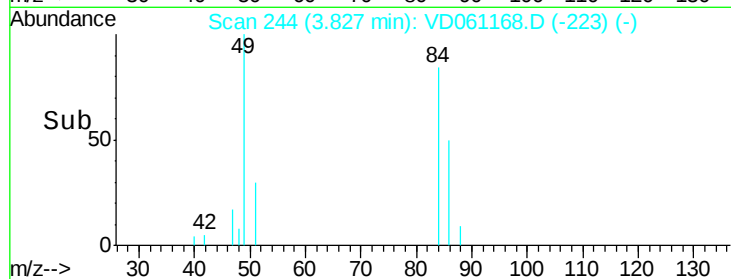
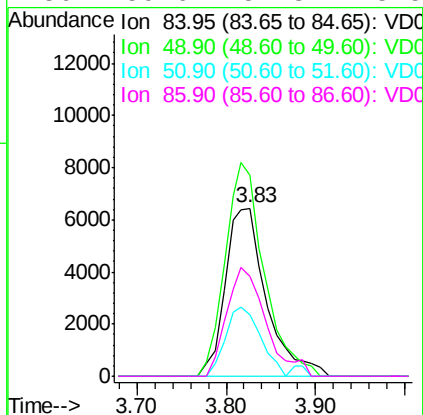
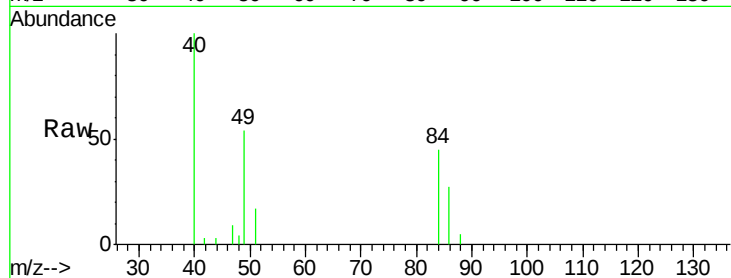




#20
Methylene Chloride
Concen: Below Cal
RT: 3.83 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD061168.D
Acq: 19 Mar 2019 3:38

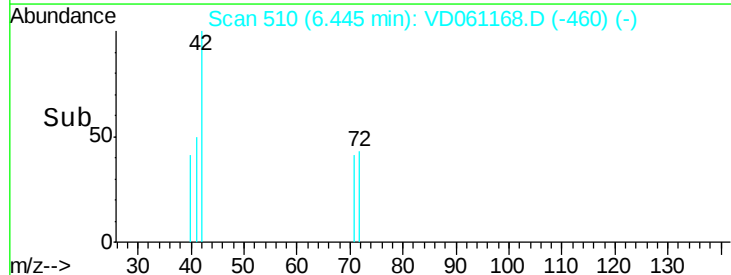
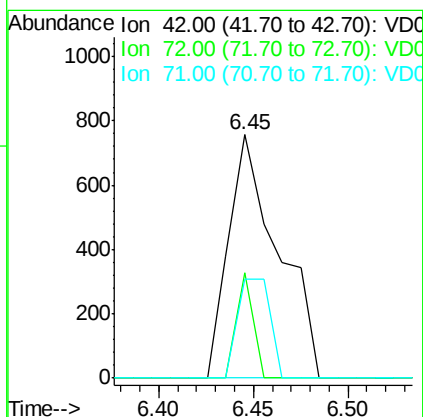
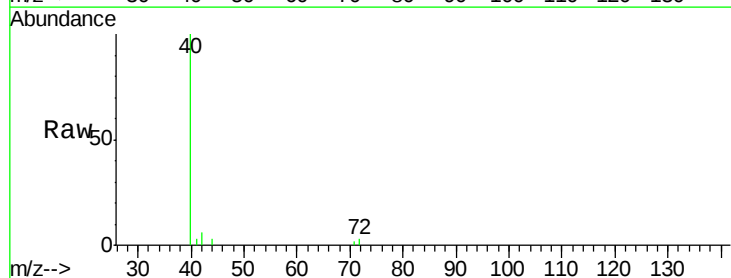
Instrument :
MSVOA_D
ClientSampleId :

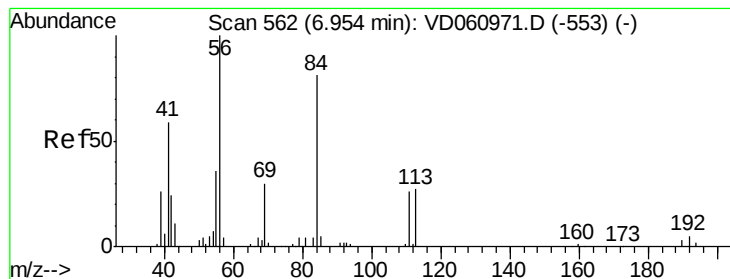
Tot Ion: 84 Resp: 20734
Ion Ratio Lower Upper
84 100
49 119.7 104.2 156.2
51 36.5 32.3 48.5
86 59.6 52.3 78.5



#29
Tetrahydrofuran
Concen: 1.349 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD061168.D
Acq: 19 Mar 2019 3:38

Tgt Ion: 42 Resp: 1367
Ion Ratio Lower Upper
42 100
72 14.1 34.5 51.7#
71 26.6 33.8 50.6#





#31

Cyclohexane

Concen: 1.209 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.07 min

Lab File: VD061168.D

Acq: 19 Mar 2019 3:38

Instrument :
MSVOA_D
ClientSampleId :

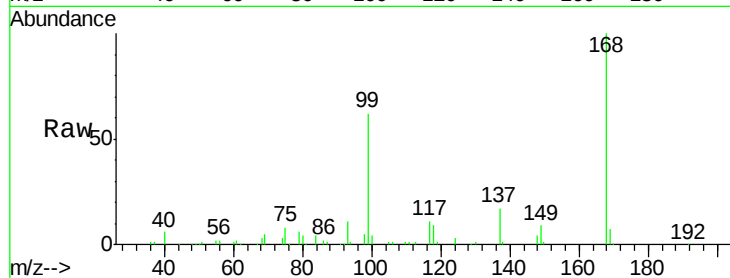
Tot Ion: 56 Resp: 12304

Ion Ratio Lower Upper

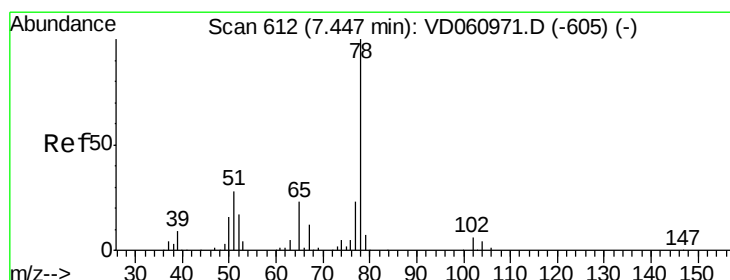
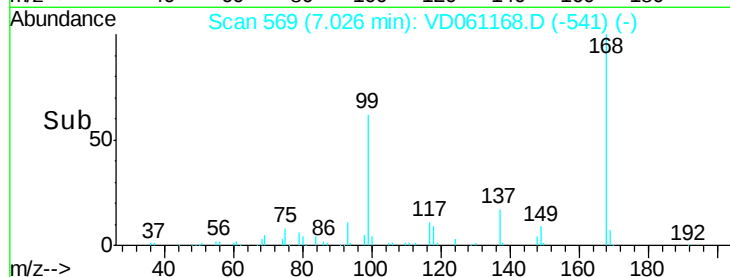
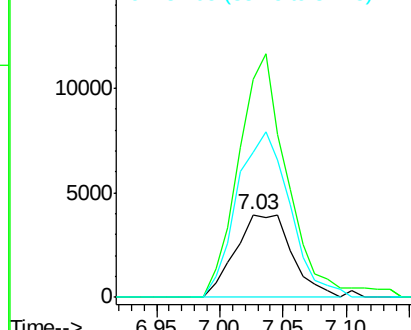
56 100

69 264.4 24.0 36.0#

84 176.4 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: VD061168.D

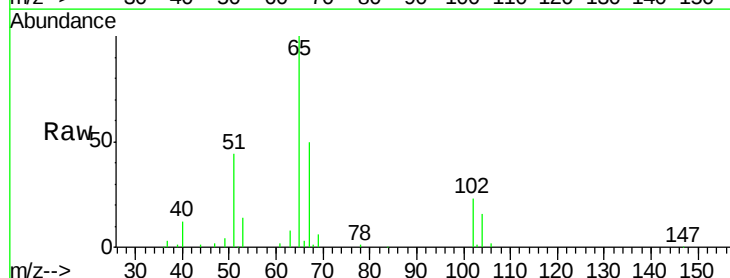
Acq: 19 Mar 2019 3:38

Tgt Ion: 65 Resp: 295016

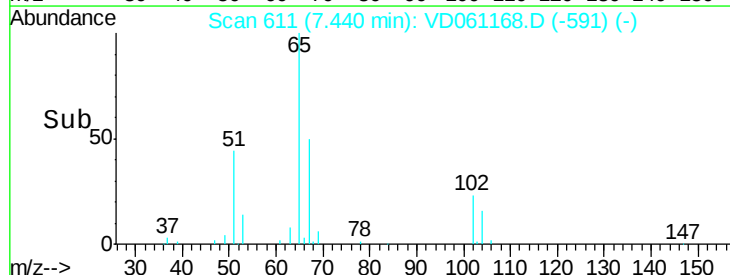
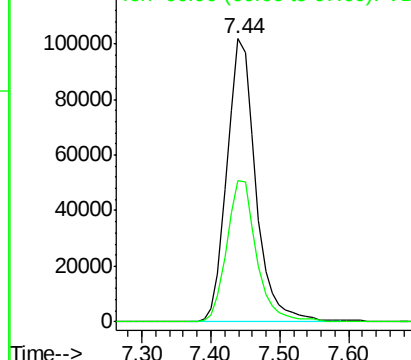
Ion Ratio Lower Upper

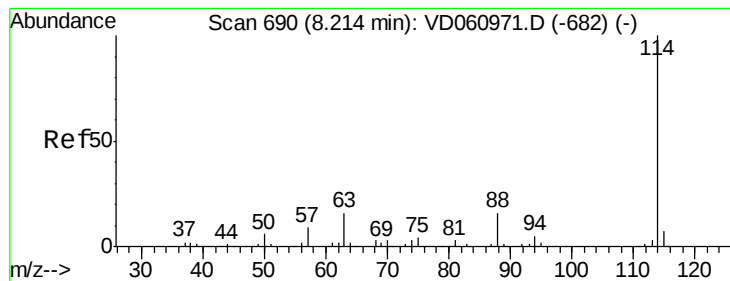
65 100

67 50.0 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: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD061168.D

Acq: 19 Mar 2019 3:38

Instrument :

MSVOA_D

ClientSampleId :

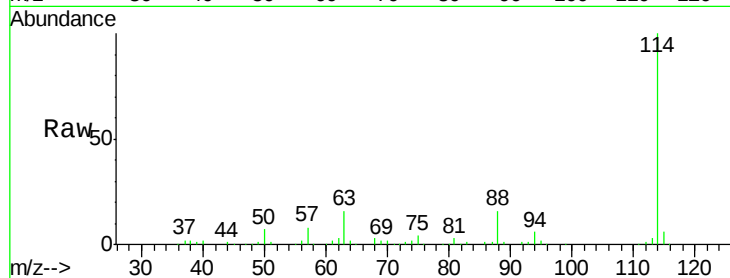
Tot Ion:114 Resp: 1213284

Ion Ratio Lower Upper

114 100

63 15.8 0.0 31.4

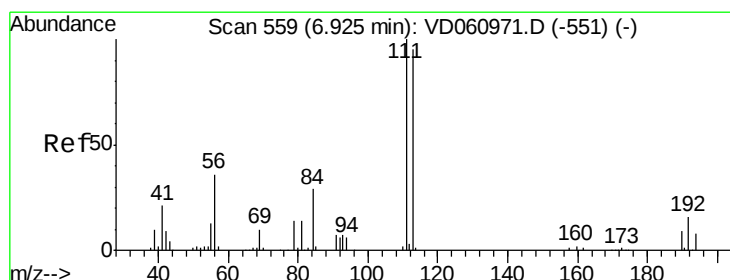
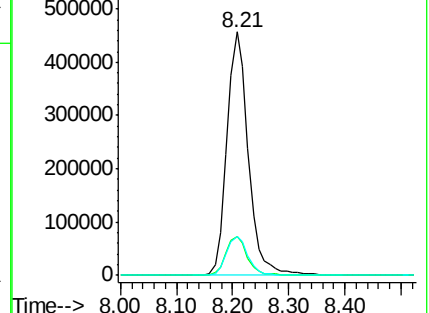
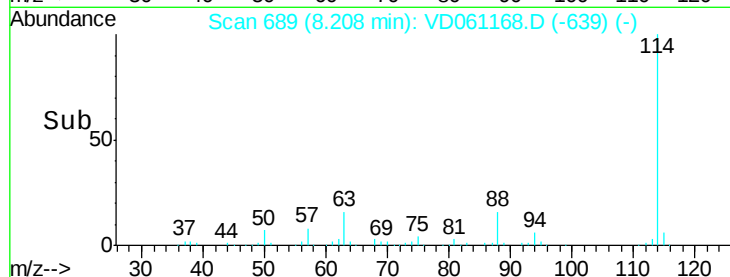
88 15.8 0.0 33.0



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: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061168.D

Acq: 19 Mar 2019 3:38

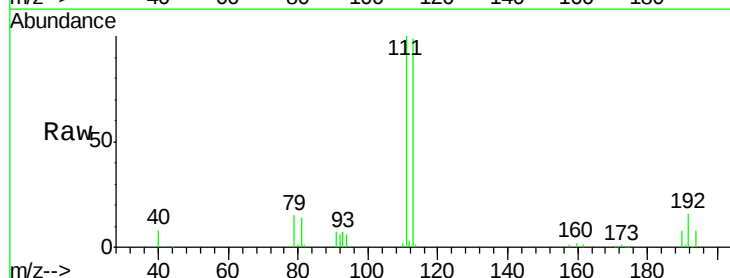
Tgt Ion:113 Resp: 467159

Ion Ratio Lower Upper

113 100

111 100.8 84.2 126.4

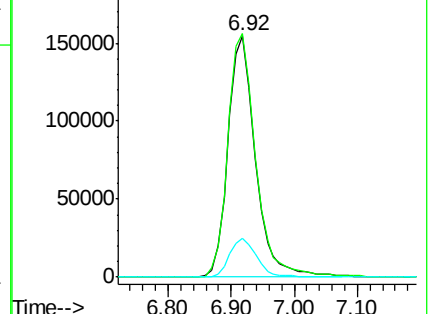
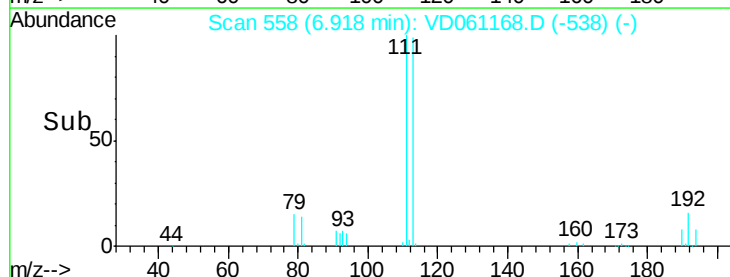
192 15.9 13.1 19.7

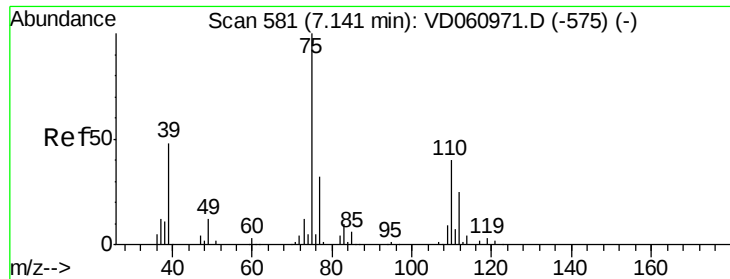


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

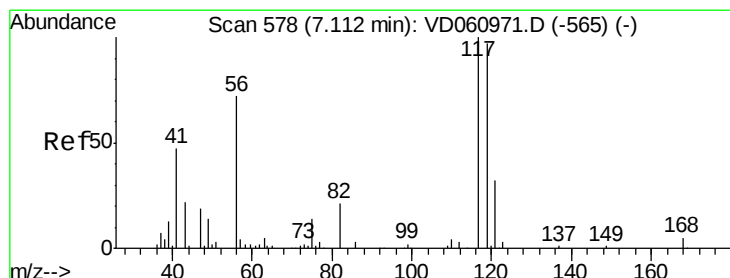
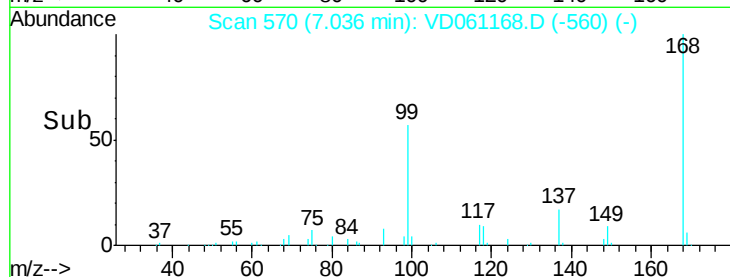
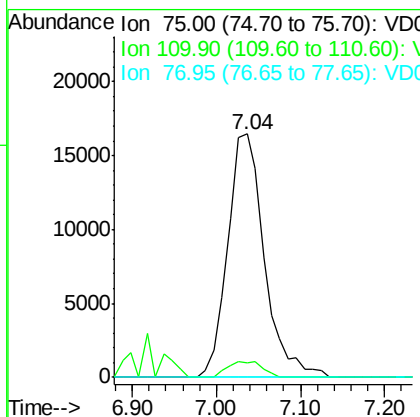
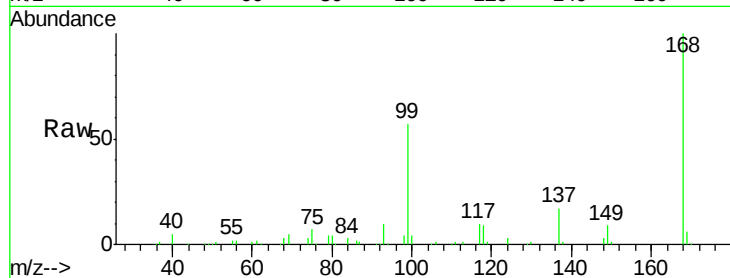




#36
 1,1-Dichloropropene
 Concen: 4.770 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.11 min
 Lab File: VD061168.D
 Acq: 19 Mar 2019 3:38

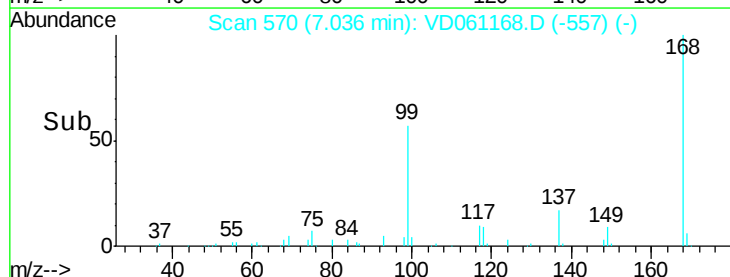
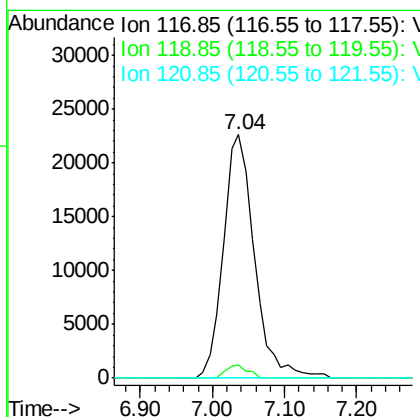
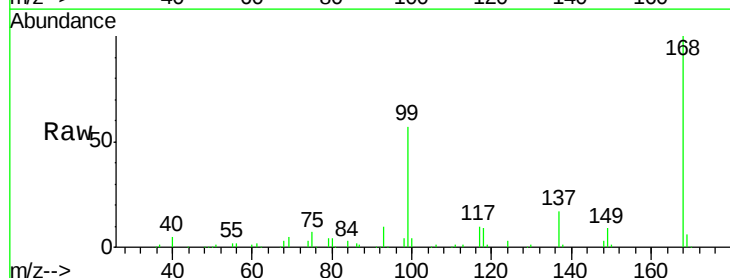
Instrument :
 MSVOA_D
 ClientSampleId :

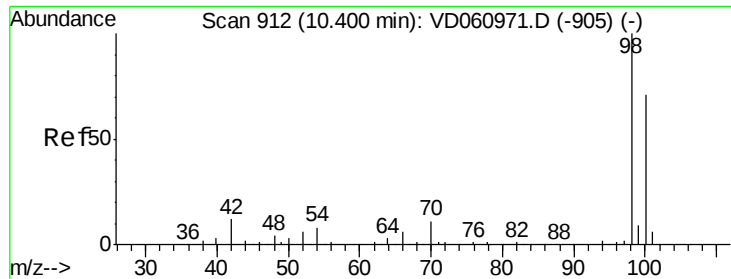
Tot Ion	75	Resp	49889
Ion Ratio	Lower	Upper	
75	100		
110	6.2	19.7	59.1#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.872 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.08 min
 Lab File: VD061168.D
 Acq: 19 Mar 2019 3:38

Tgt Ion	117	Resp	67651
Ion Ratio	Lower	Upper	
117	100		
119	5.2	77.8	116.8#
121	0.0	25.3	37.9#

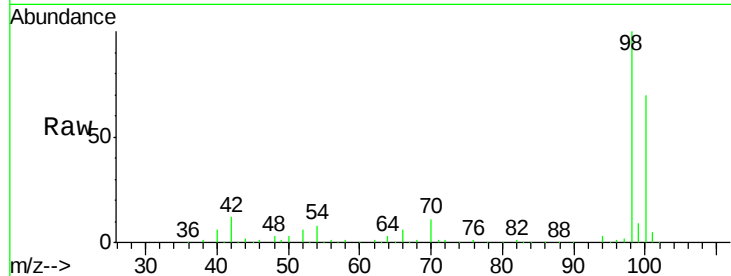




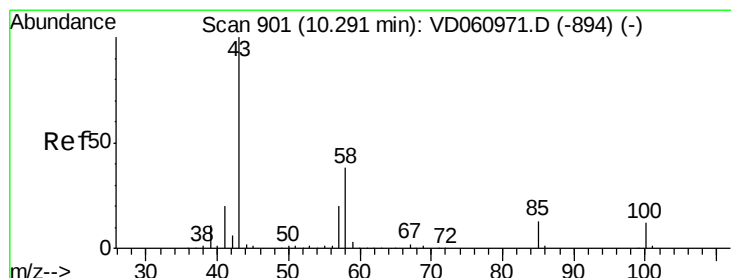
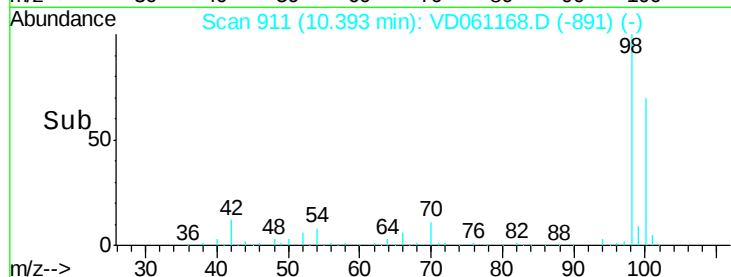
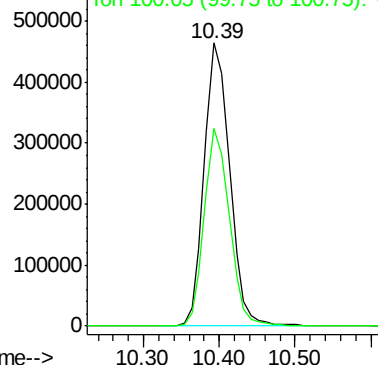
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD061168.D
Acq: 19 Mar 2019 3:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 1084556
Ion Ratio Lower Upper
98 100
100 69.6 57.4 86.2

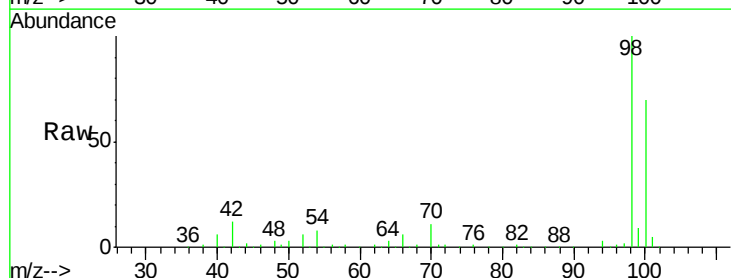


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

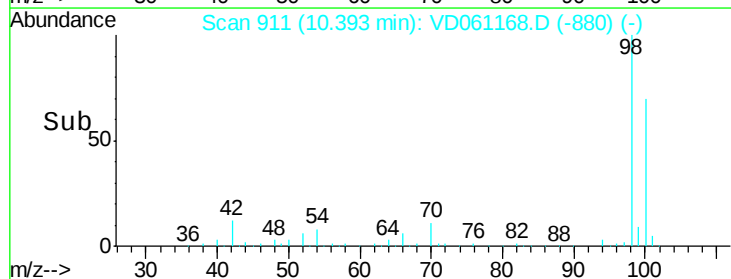
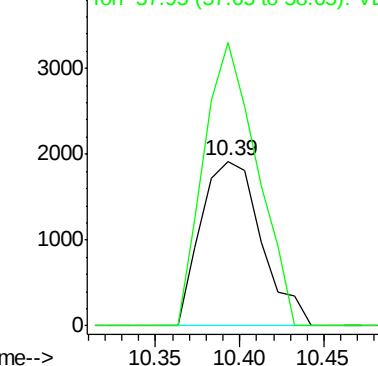


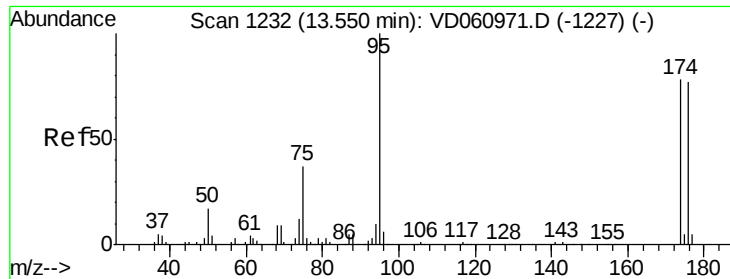
#51
4-Methyl-2-Pentanone
Concen: 1.147 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.10 min
Lab File: VD061168.D
Acq: 19 Mar 2019 3:38

Tgt Ion: 43 Resp: 4777
Ion Ratio Lower Upper
43 100
58 171.7 30.2 45.2#



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061168.D

Acq: 19 Mar 2019 3:38

Instrument :

MSVOA_D

ClientSampleId :

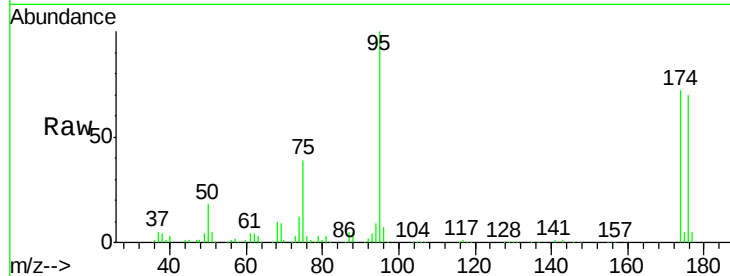
Tot Ion: 95 Resp: 439220

Ion Ratio Lower Upper

95 100

174 71.6 0.0 155.6

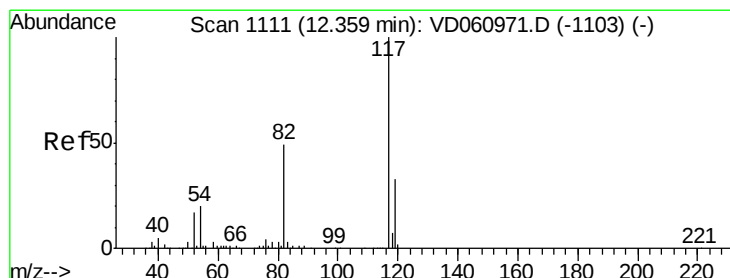
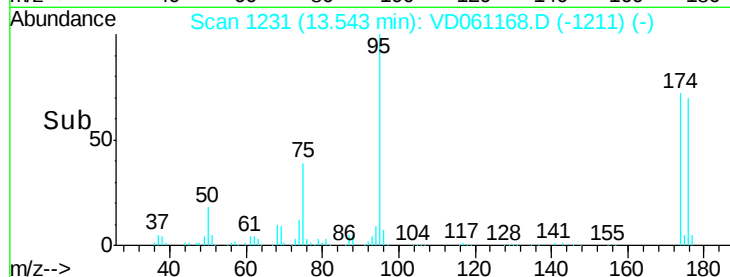
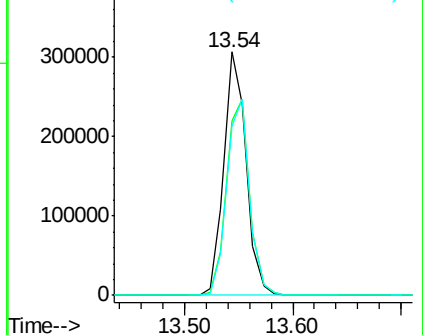
176 69.7 0.0 153.8



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: 12.35 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD061168.D

Acq: 19 Mar 2019 3:38

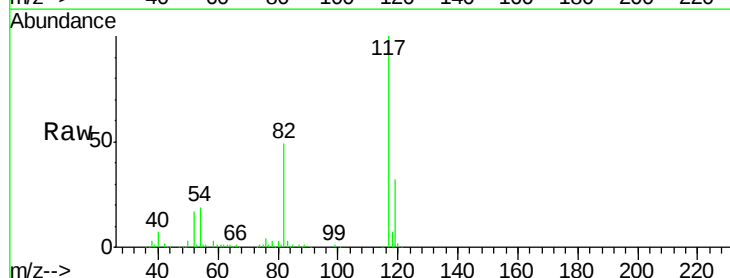
Tgt Ion: 117 Resp: 973742

Ion Ratio Lower Upper

117 100

82 49.1 38.9 58.3

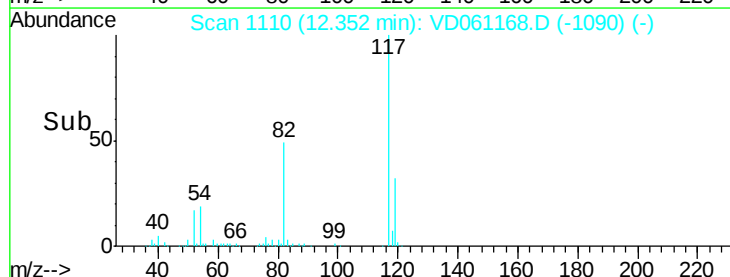
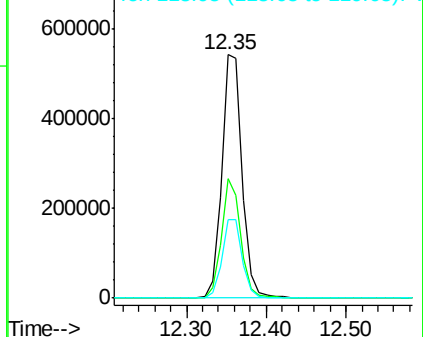
119 32.2 26.6 39.8

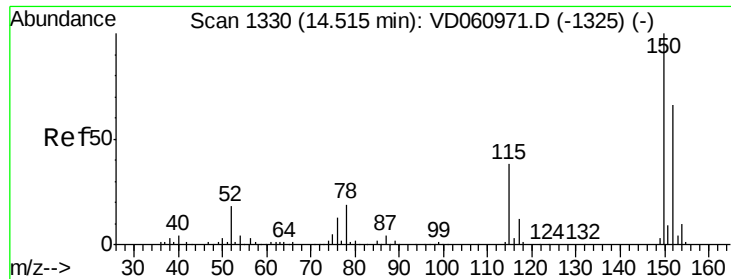


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



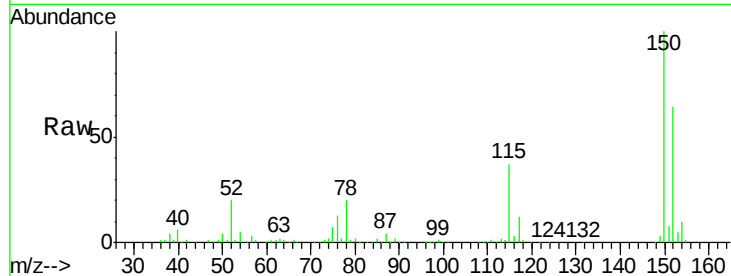


#72

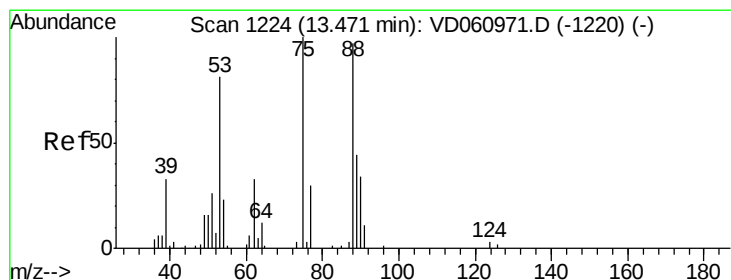
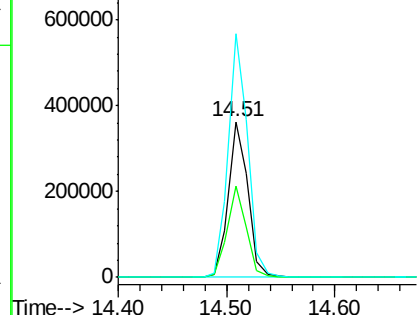
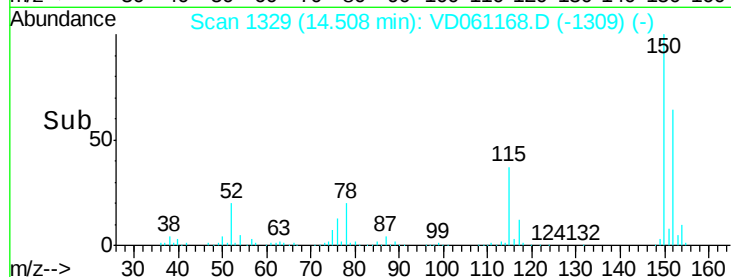
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061168.D
Acq: 19 Mar 2019 3:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 453539
Ion Ratio Lower Upper
152 100
115 58.5 28.6 85.9
150 156.4 0.0 310.6



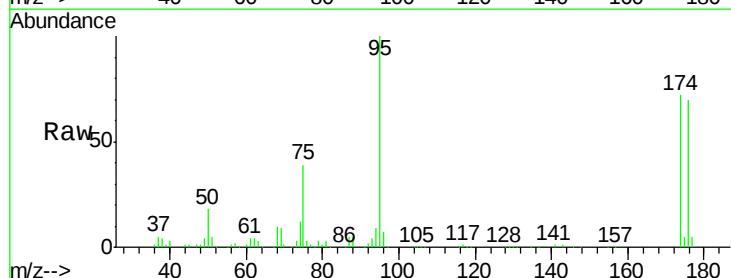
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 86.264 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.07 min
Lab File: VD061168.D
Acq: 19 Mar 2019 3:38

Tgt Ion: 75 Resp: 165945
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

