

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061503.D
 Acq On : 2 Apr 2019 9:02
 Operator : VA/AP
 Sample : K2180-30
 Misc : 6.42g/5ml/MSVOA D/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 03 00:44:27 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

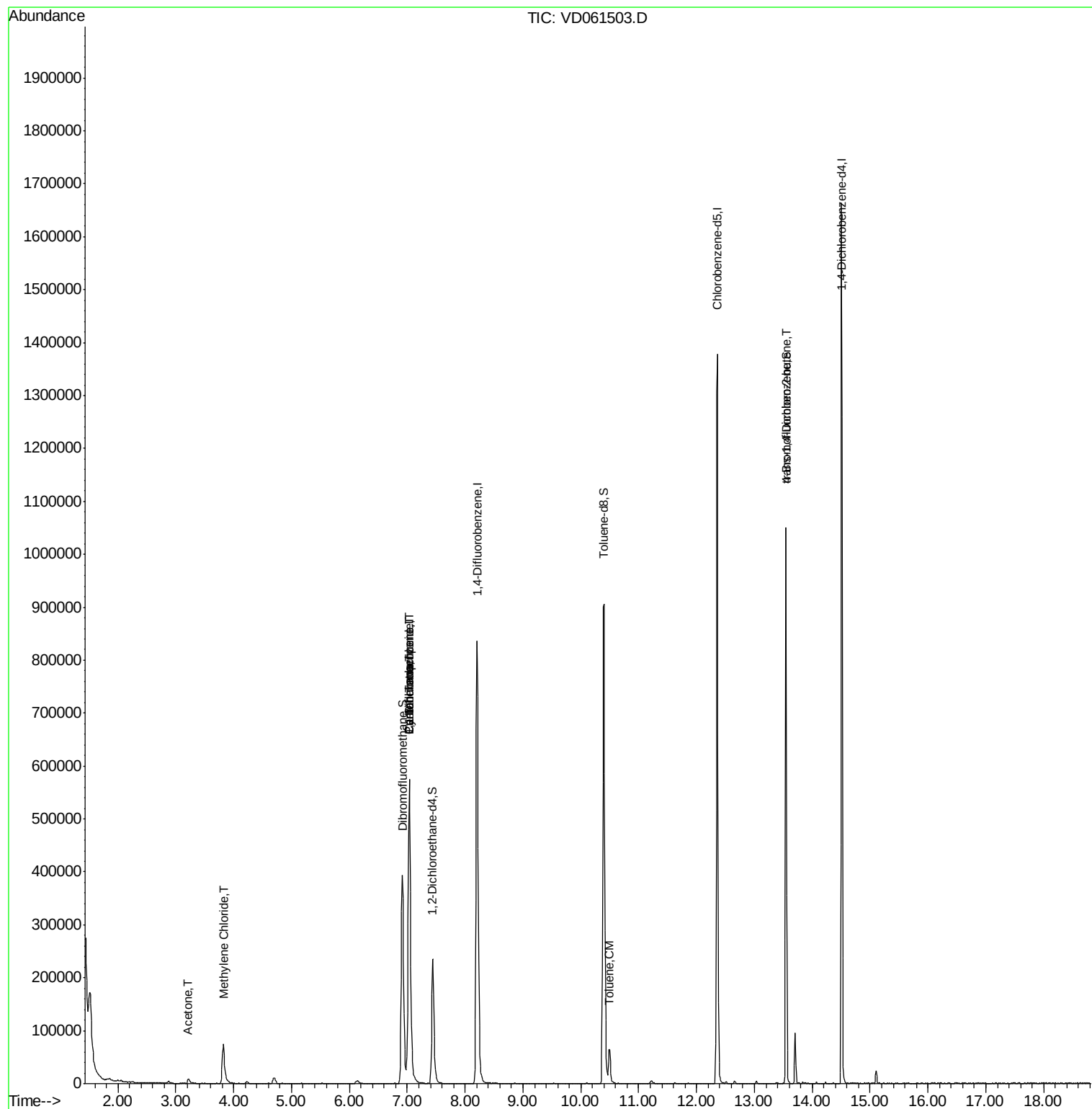
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	623415	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	1068358	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	934254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	390501	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	235507	44.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.44%	
35) Dibromofluoromethane	6.91	113	383301	46.95	ug/l	0.01
Spiked Amount 50.000			Recovery	=	93.90%	
50) Toluene-d8	10.40	98	858325	43.83	ug/l	0.01
Spiked Amount 50.000			Recovery	=	87.66%	
62) 4-Bromofluorobenzene	13.54	95	370266	49.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.62%	
Target Compounds						
16) Acetone	3.21	43	18390	13.433	ug/l	98
20) Methylene Chloride	3.82	84	63533	6.618	ug/l	92
31) Cyclohexane	7.03	56	10779	1.175	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	45424	4.872	ug/l #	44
38) Carbon Tetrachloride	7.03	117	58297	5.441	ug/l #	14
52) Toluene	10.50	92	36971	2.590	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.54	75	137110	79.719	ug/l #	18

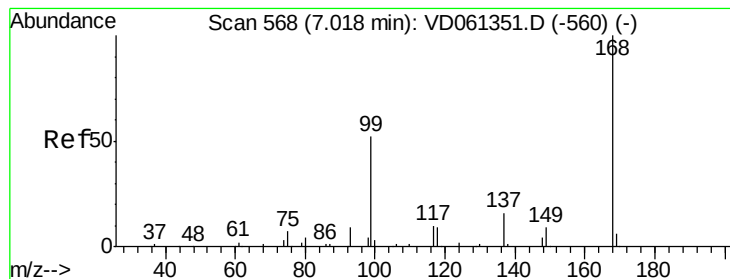
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 28 09:22:37 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: VD061503.D

Acq: 2 Apr 2019 9:02

Instrument :

MSVOA_D

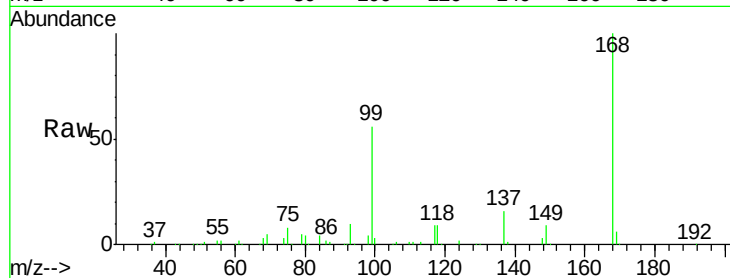
ClientSampleId :

Tot Ion:168 Resp: 623415

Ion Ratio Lower Upper

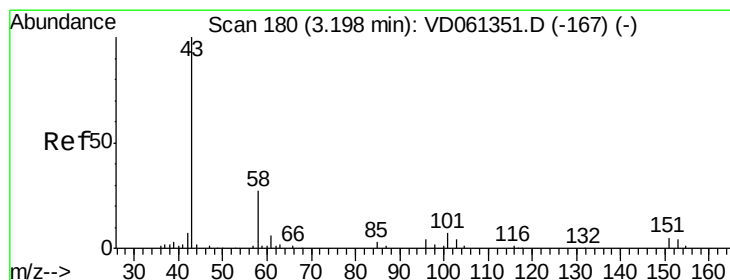
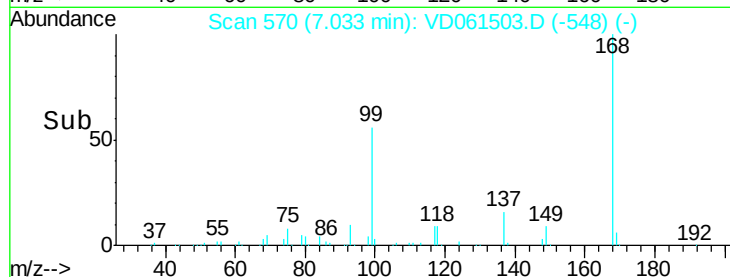
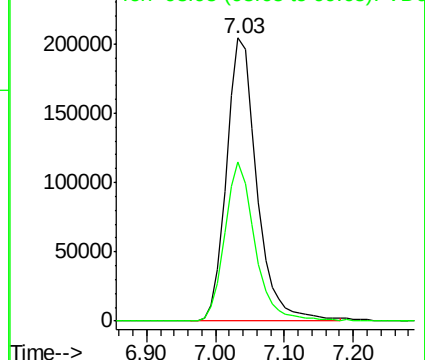
168 100

99 56.1 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 13.433 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD061503.D

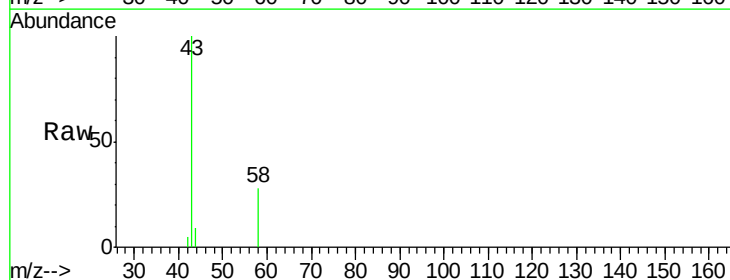
Acq: 2 Apr 2019 9:02

Tgt Ion: 43 Resp: 18390

Ion Ratio Lower Upper

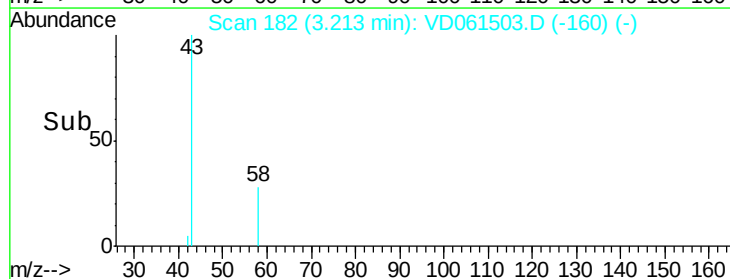
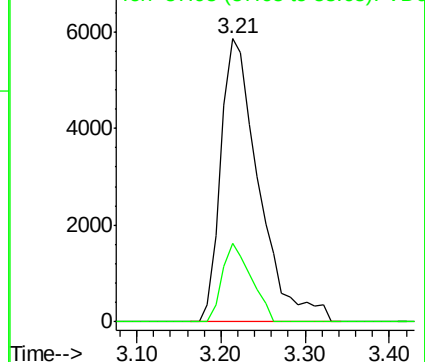
43 100

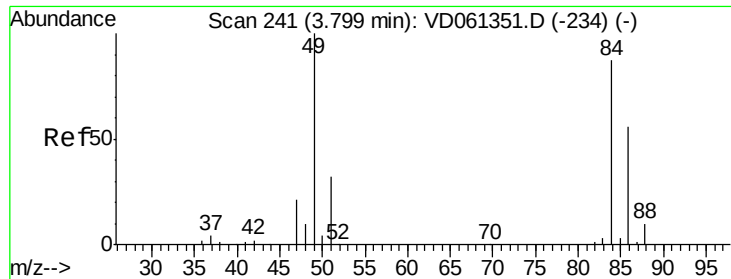
58 27.8 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

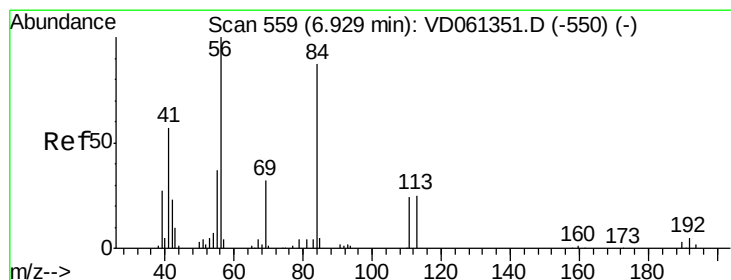
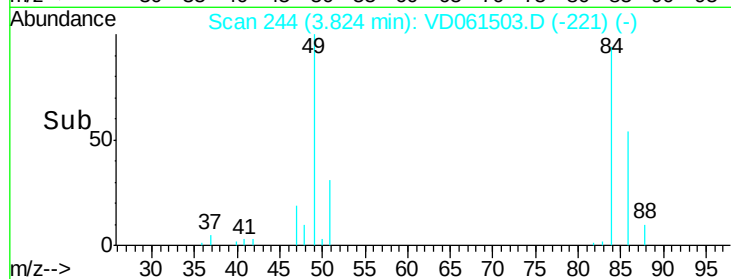
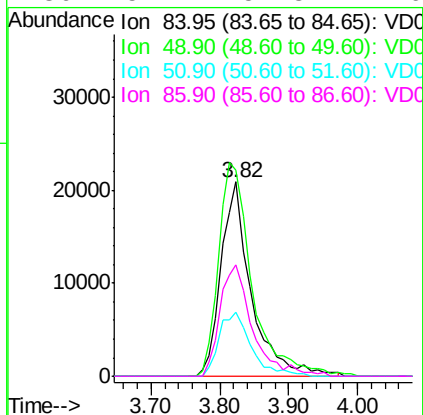
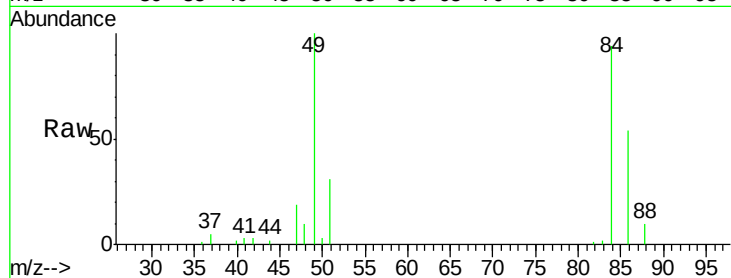




#20
Methylene Chloride
Concen: 6.618 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061503.D
Acq: 2 Apr 2019 9:02

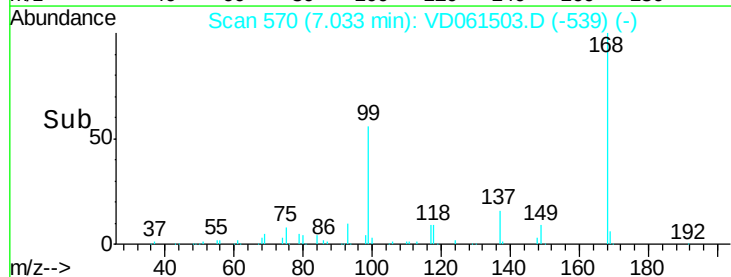
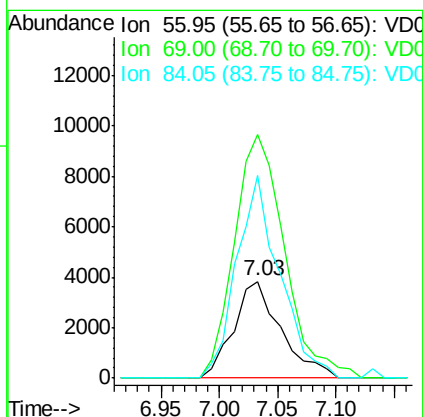
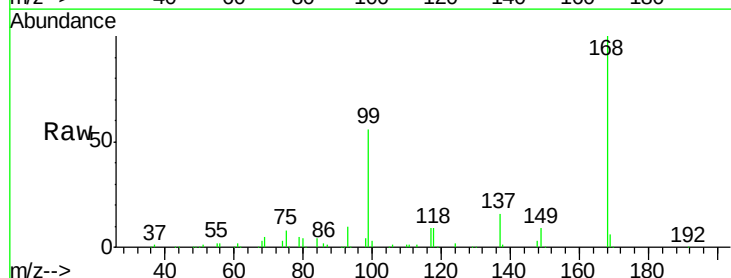
Instrument :
MSVOA_D
ClientSampleId :

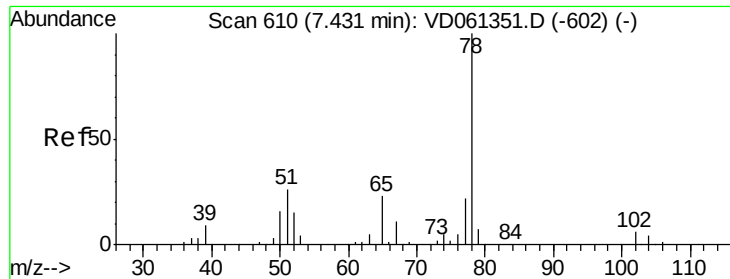
Tot Ion: 84 Resp: 63533
Ion Ratio Lower Upper
84 100
49 105.9 91.8 137.8
51 32.7 29.8 44.8
86 57.4 51.8 77.6



#31
Cyclohexane
Concen: 1.175 ug/l
RT: 7.03 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD061503.D
Acq: 2 Apr 2019 9:02

Tgt Ion: 56 Resp: 10779
Ion Ratio Lower Upper
56 100
69 251.0 25.7 38.5#
84 209.5 70.6 105.8#

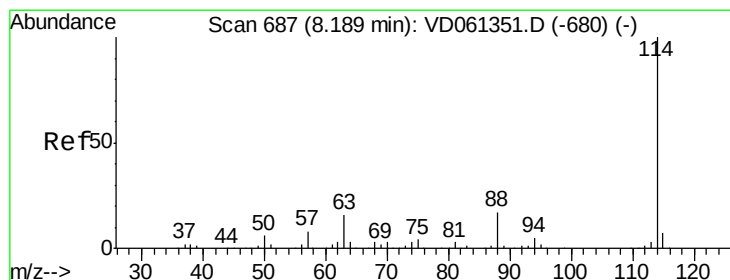
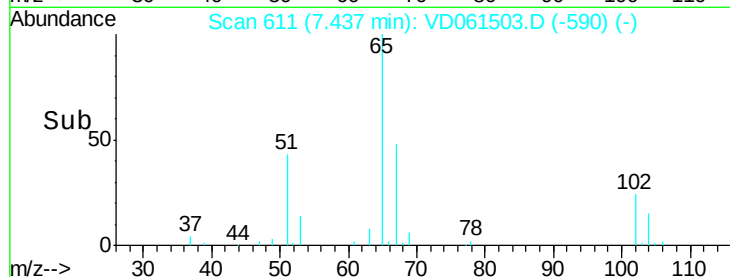
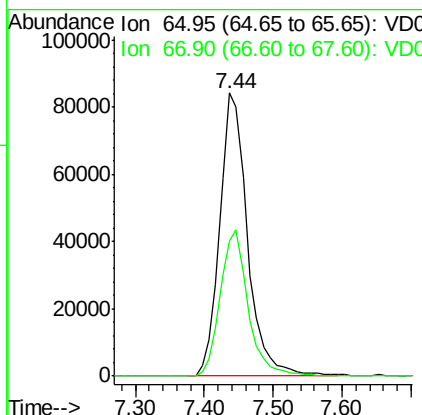
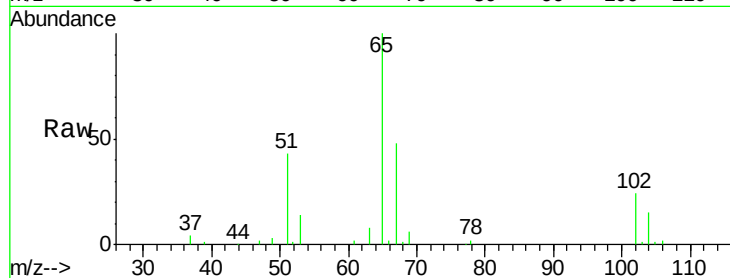




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VD061503.D
 Acq: 2 Apr 2019 9:02

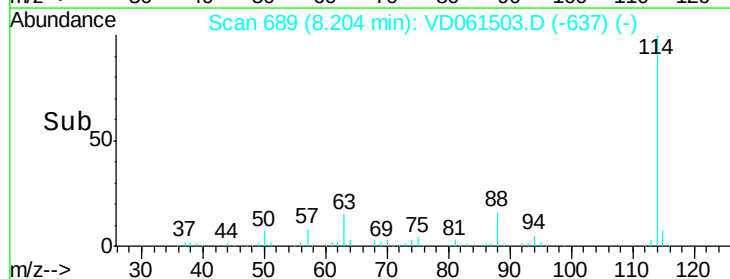
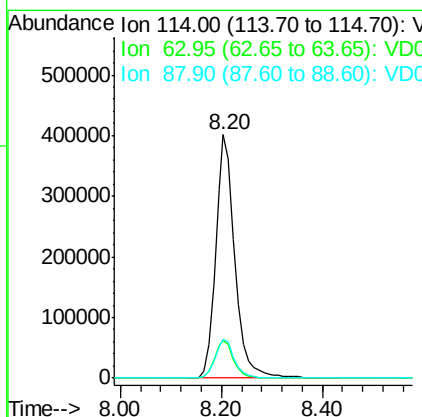
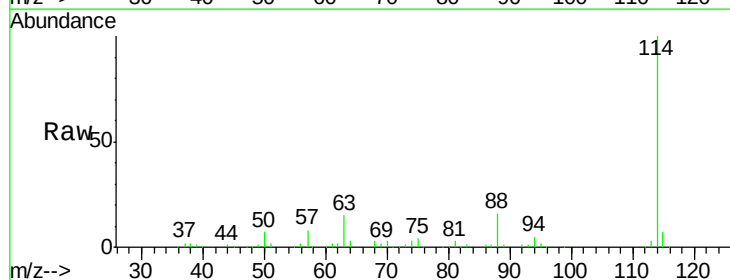
Instrument :
 MSVOA_D
 ClientSampled :

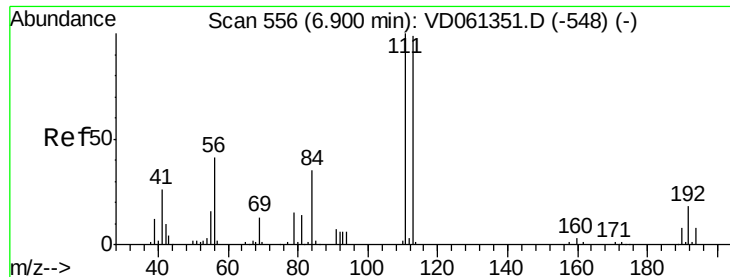
Tot Ion: 65 Resp: 235507
 Ion Ratio Lower Upper
 65 100
 67 47.5 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD061503.D
 Acq: 2 Apr 2019 9:02

Tgt Ion: 114 Resp: 1068358
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 31.6
 88 16.2 0.0 33.4

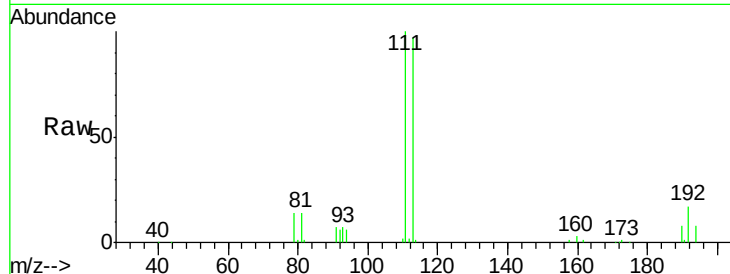




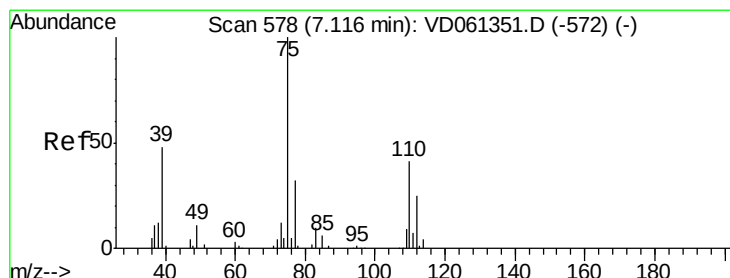
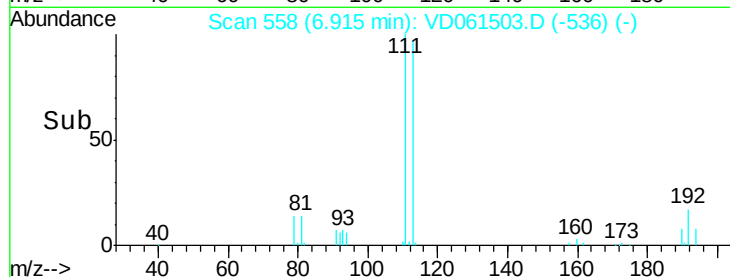
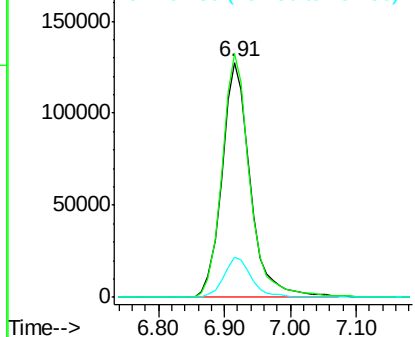
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD061503.D
 Acq: 2 Apr 2019 9:02

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 383301
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.0 121.6
 192 17.3 14.4 21.6

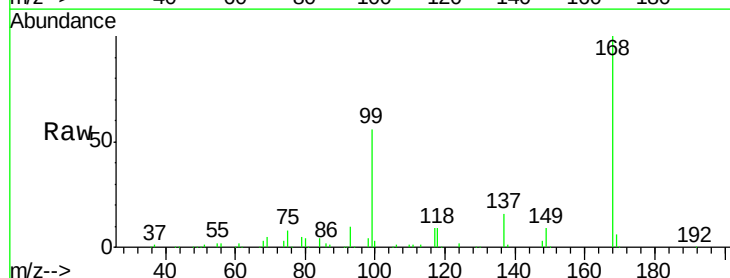


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

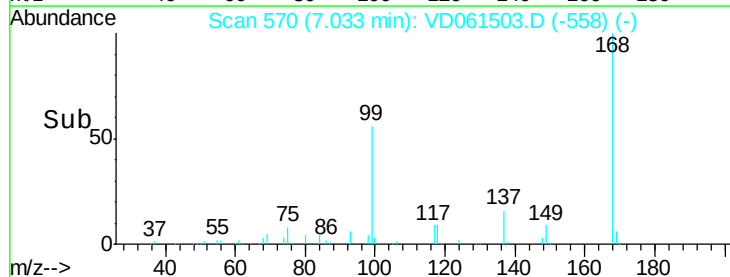
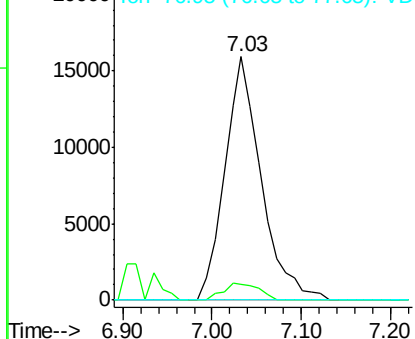


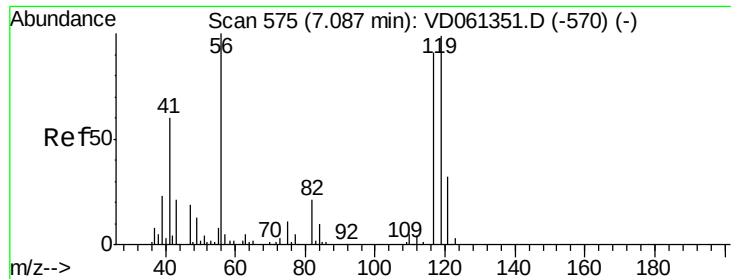
#36
 1,1-Dichloropropene
 Concen: 4.872 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.08 min
 Lab File: VD061503.D
 Acq: 2 Apr 2019 9:02

Tgt Ion: 75 Resp: 45424
 Ion Ratio Lower Upper
 75 100
 110 6.4 20.4 61.3#
 77 0.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC

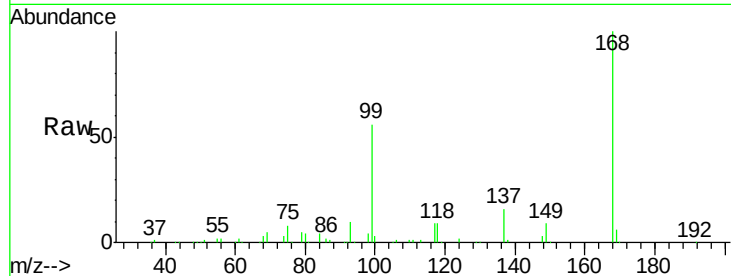




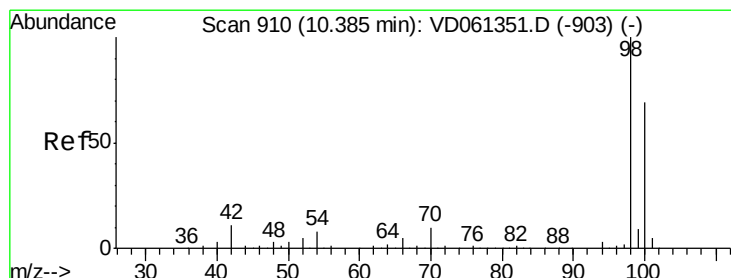
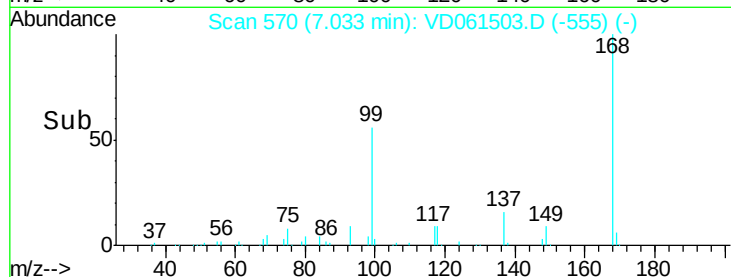
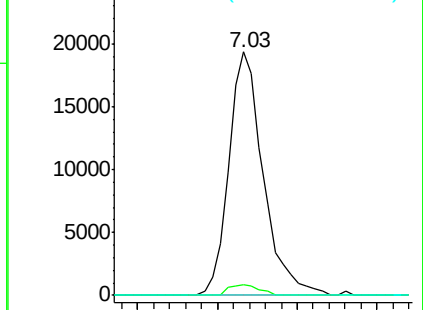
#38
Carbon Tetrachloride
Concen: 5.441 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.05 min
Lab File: VD061503.D
Acq: 2 Apr 2019 9:02

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 58297
Ion Ratio Lower Upper
117 100
119 4.5 80.1 120.1#
121 0.0 25.6 38.4#

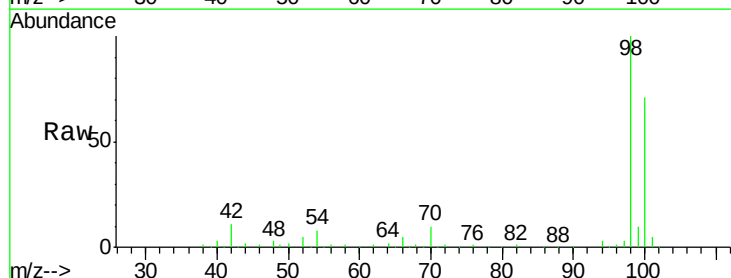


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

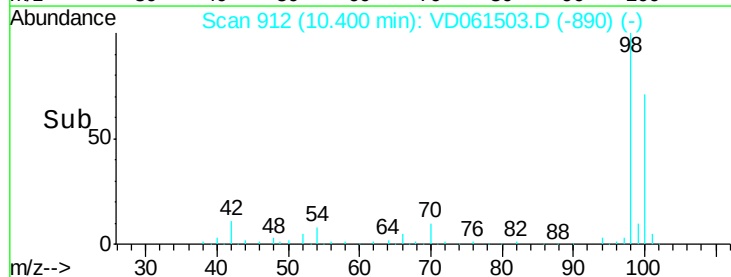
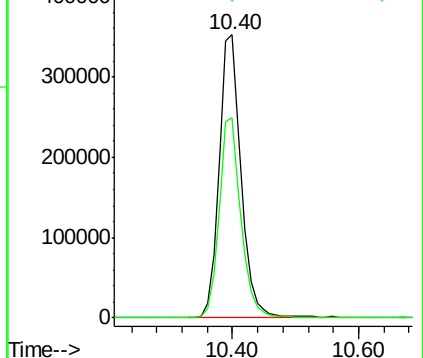


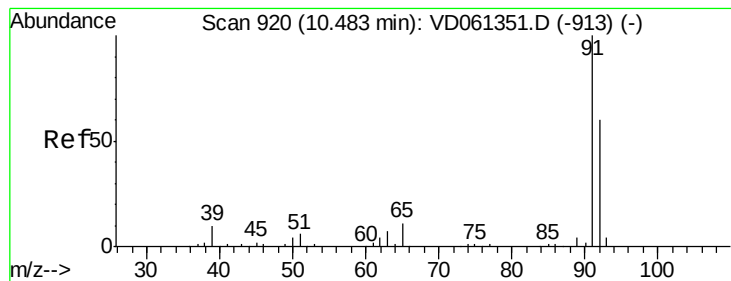
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD061503.D
Acq: 2 Apr 2019 9:02

Tgt Ion: 98 Resp: 858325
Ion Ratio Lower Upper
98 100
100 70.9 56.2 84.2



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





#52

Toluene

Concen: 2.590 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD061503.D

Acq: 2 Apr 2019 9:02

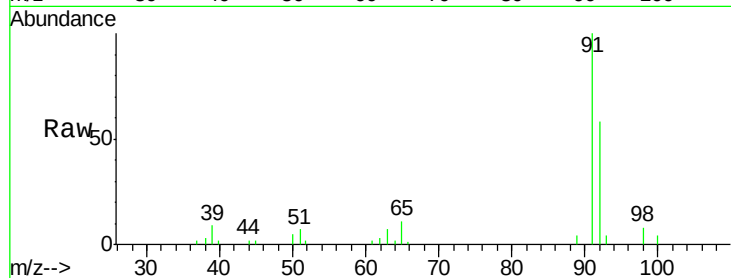
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 92 Resp: 36971

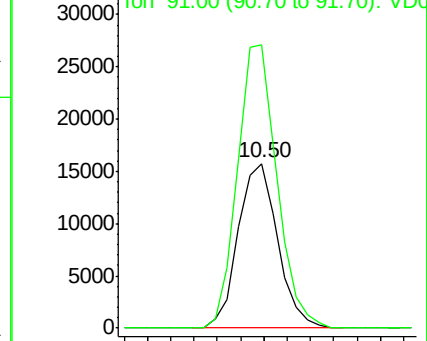
Ion Ratio Lower Upper

92 100

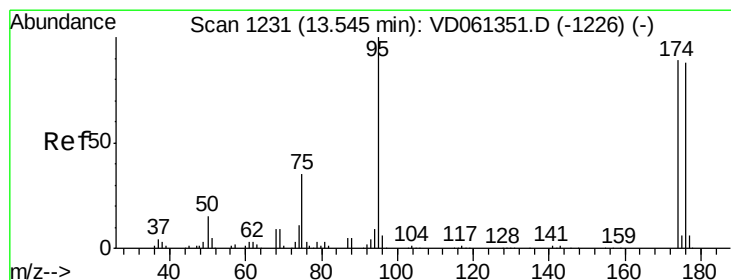
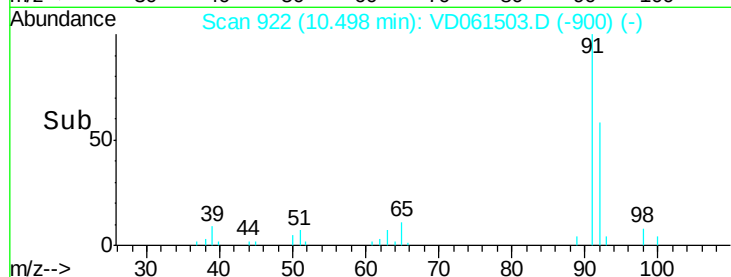
91 171.9 133.3 199.9



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



Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD061503.D

Acq: 2 Apr 2019 9:02

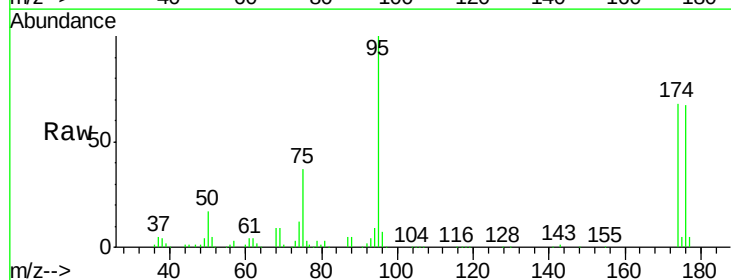
Tgt Ion: 95 Resp: 370266

Ion Ratio Lower Upper

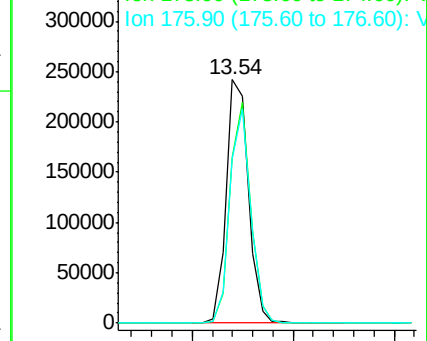
95 100

174 67.8 0.0 178.0

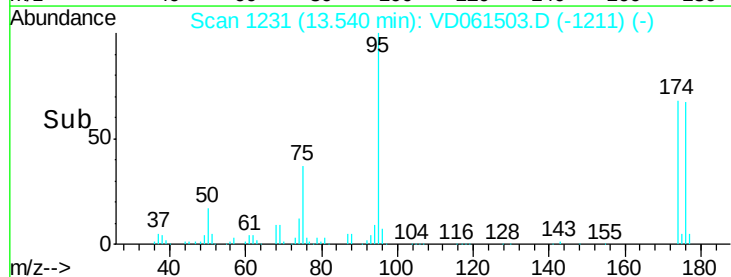
176 67.4 0.0 175.0

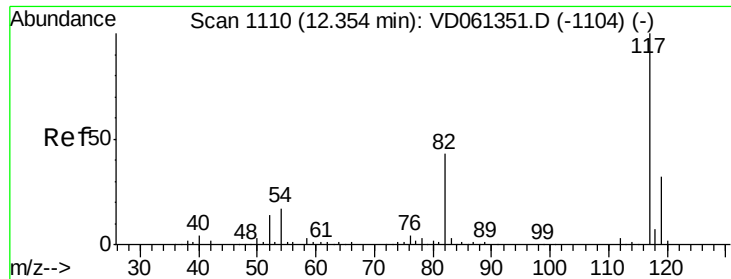


Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V



Time-->

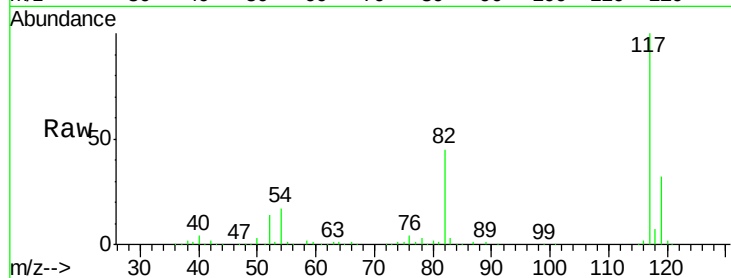




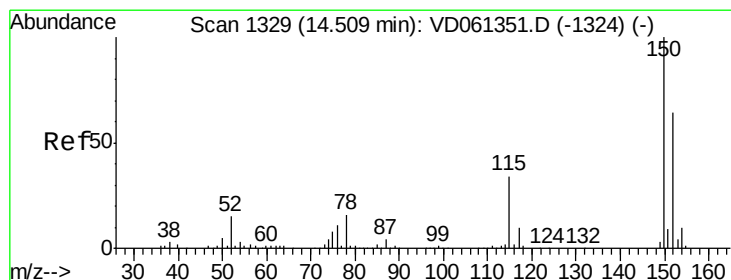
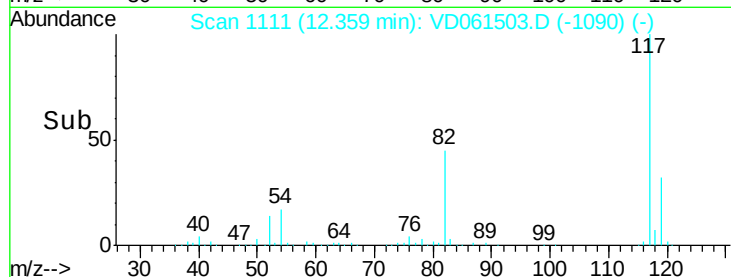
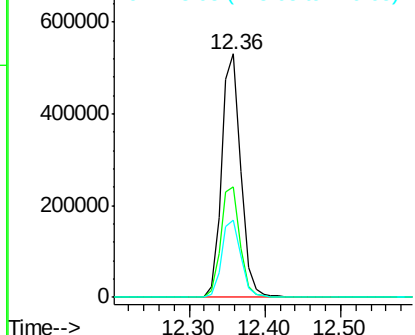
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.36 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: VD061503.D
 Acq: 2 Apr 2019 9:02

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:117 Resp: 934254
 Ion Ratio Lower Upper
 117 100
 82 45.2 34.4 51.6
 119 31.6 25.8 38.6

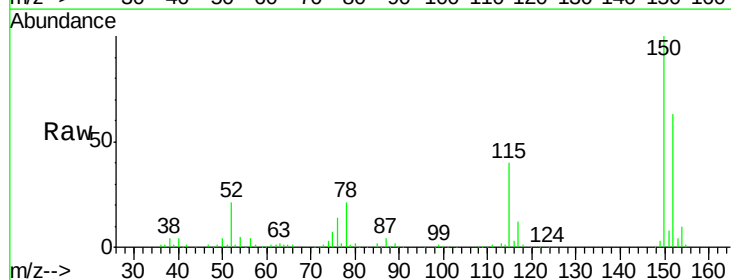


Abundance Ion 116.95 (116.65 to 117.65): V
 Ion 82.05 (81.75 to 82.75): V
 Ion 118.95 (118.65 to 119.65): V

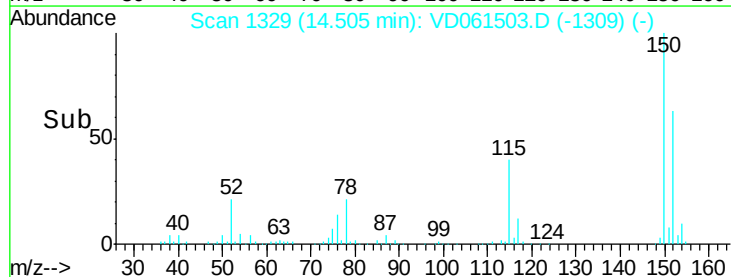
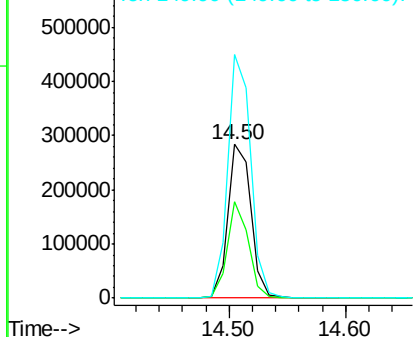


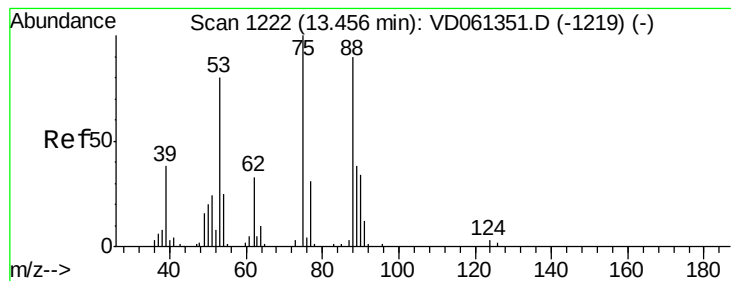
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.50 min Scan# 1329
 Delta R.T. -0.00 min
 Lab File: VD061503.D
 Acq: 2 Apr 2019 9:02

Tgt Ion:152 Resp: 390501
 Ion Ratio Lower Upper
 152 100
 115 62.9 26.9 80.6
 150 158.6 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





#81

trans-1,4-Dichloro-2-butene

Concen: 79.719 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD061503.D

Acq: 2 Apr 2019 9:02

Instrument :

MSVOA_D

ClientSampleId :

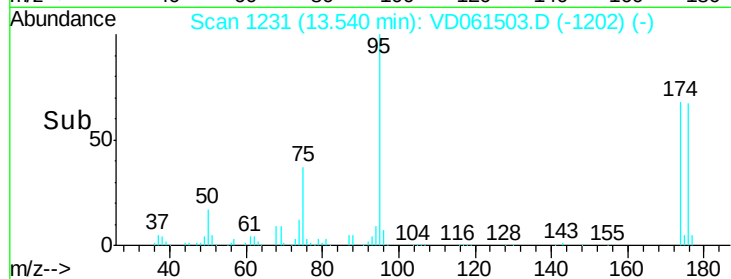
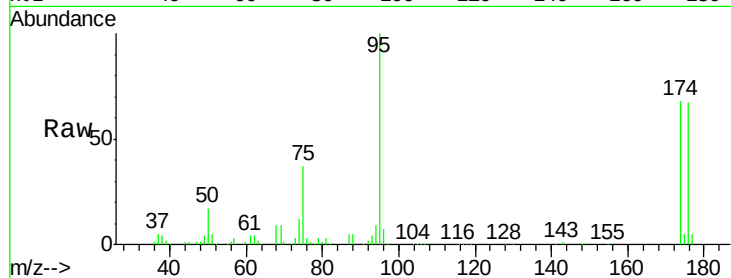
Tot Ion: 75 Resp: 137110

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

