

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
 Data File : VD061704.D
 Acq On : 10 Apr 2019 7:08
 Operator : VA/AP
 Sample : K2198-01
 Misc : 7.05g/5ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 10 07:41:21 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

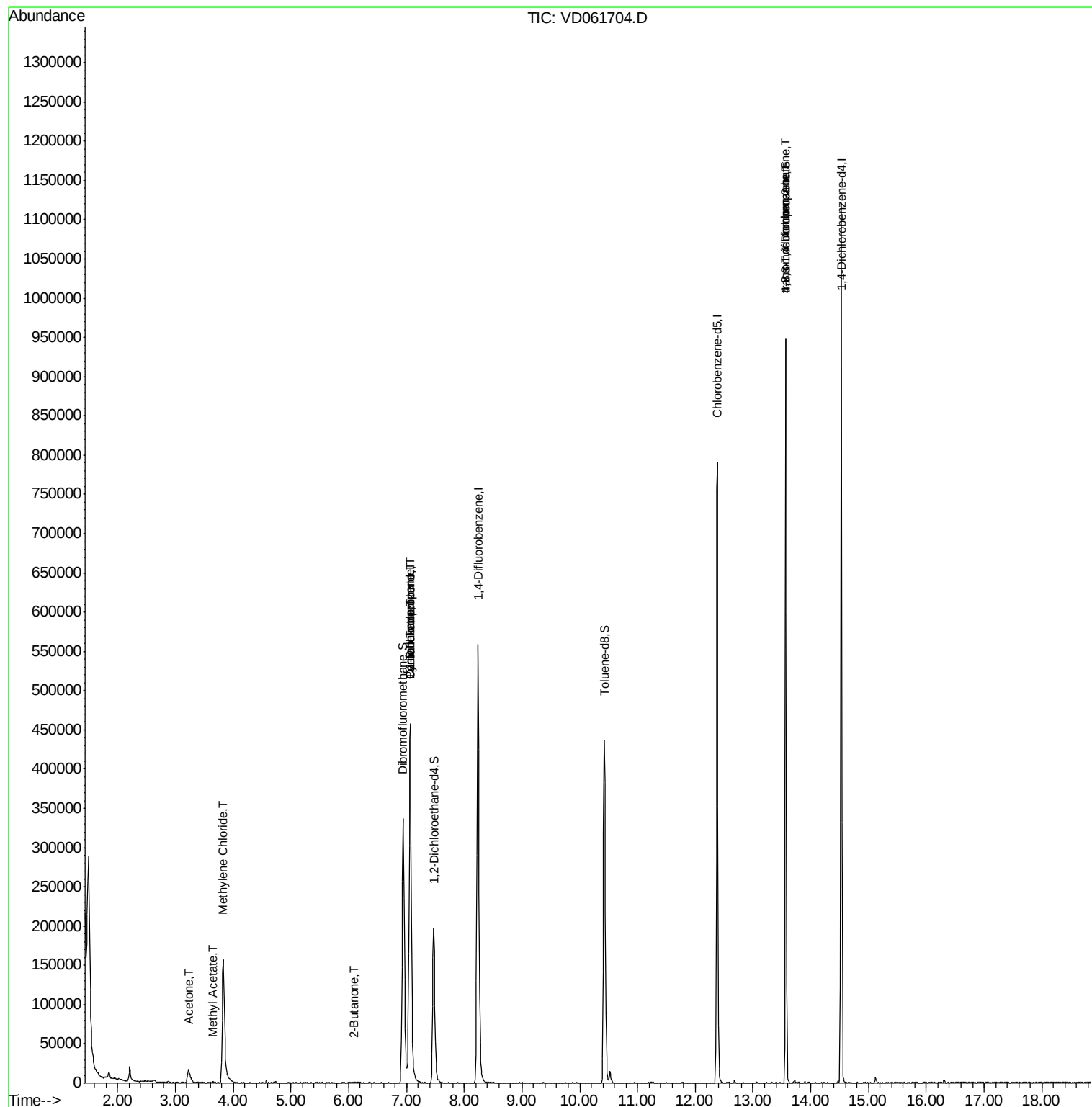
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	478661	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	695738	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	517251	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	263987	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	195134	53.78	ug/l	0.02
Spiked Amount 50.000			Recovery	=	107.56%	
35) Dibromofluoromethane	6.94	113	325635	67.56	ug/l	0.02
Spiked Amount 50.000			Recovery	=	135.12%	
50) Toluene-d8	10.42	98	391523	32.33	ug/l	0.02
Spiked Amount 50.000			Recovery	=	64.66%	
62) 4-Bromofluorobenzene	13.56	95	282701	73.35	ug/l	0.01
Spiked Amount 50.000			Recovery	=	146.70%	
Target Compounds						
					Qvalue	
16) Acetone	3.23	43	36006	33.198	ug/l	98
18) Methyl Acetate	3.65	43	2641	1.294	ug/l #	53
20) Methylene Chloride	3.83	84	124470	20.224	ug/l	98
25) 2-Butanone	6.09	43	2425	1.939	ug/l #	54
31) Cyclohexane	7.06	56	7625	1.116	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	34174	5.612	ug/l #	45
38) Carbon Tetrachloride	7.07	117	46210	6.475	ug/l #	14
76) 1,2,3-Trichloropropane	13.56	75	76906	21.413	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.56	75	104715	96.080	ug/l #	20

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

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Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.03 min

Lab File: VD061704.D

Acq: 10 Apr 2019 7:08

Instrument :

MSVOA_D

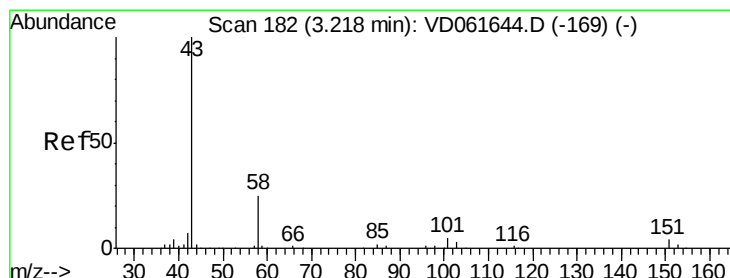
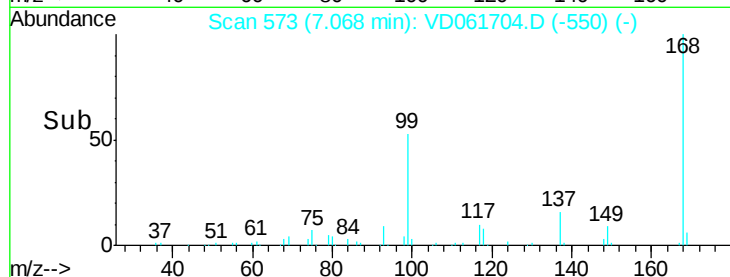
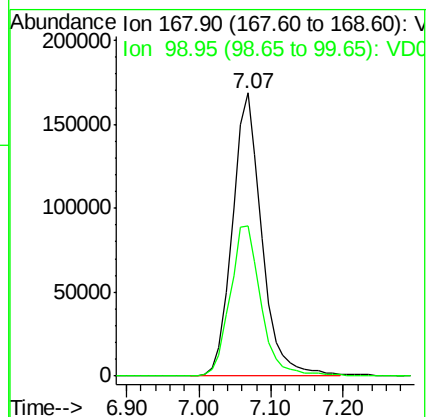
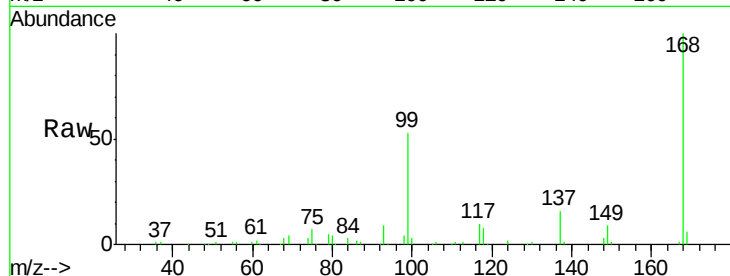
ClientSampleId :

Tot Ion:168 Resp: 478661

Ion Ratio Lower Upper

168 100

99 53.3 46.8 70.2



#16

Acetone

Concen: 33.198 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD061704.D

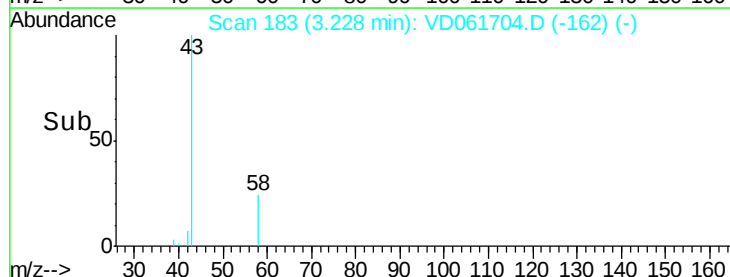
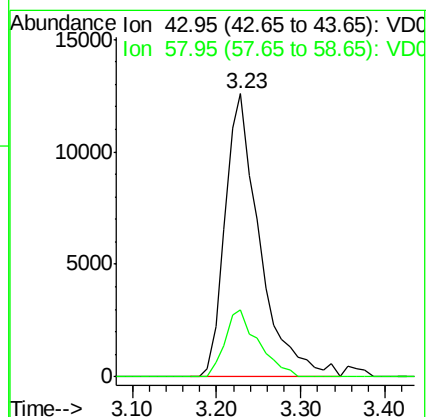
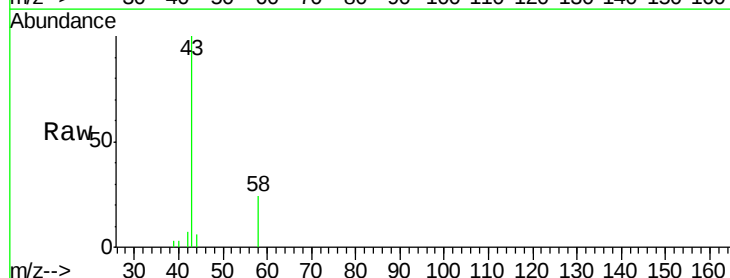
Acq: 10 Apr 2019 7:08

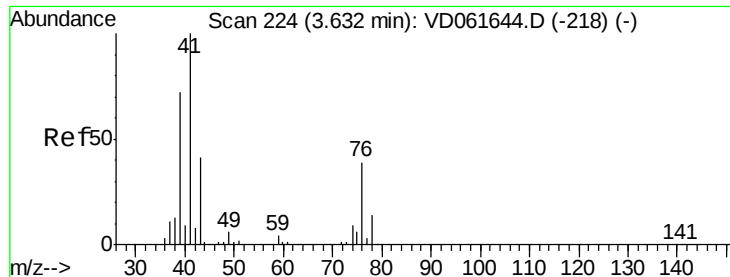
Tgt Ion: 43 Resp: 36006

Ion Ratio Lower Upper

43 100

58 23.8 19.7 29.5





#18

Methyl Acetate

Concen: 1.294 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD061704.D

Acq: 10 Apr 2019 7:08

Instrument :

MSVOA_D

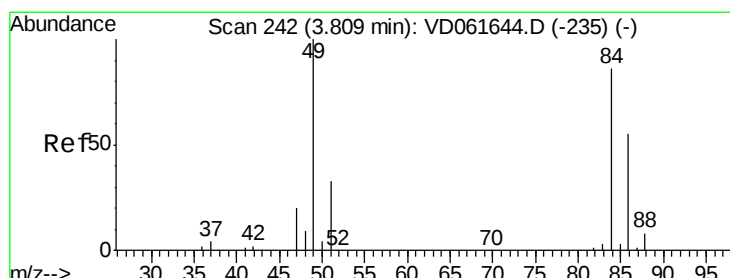
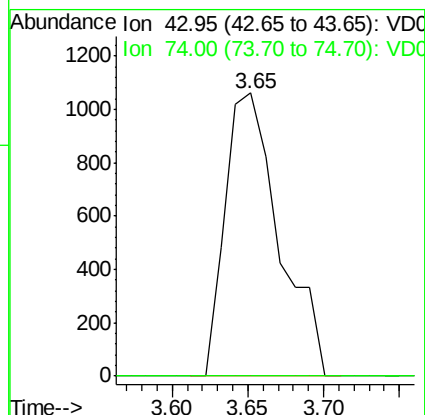
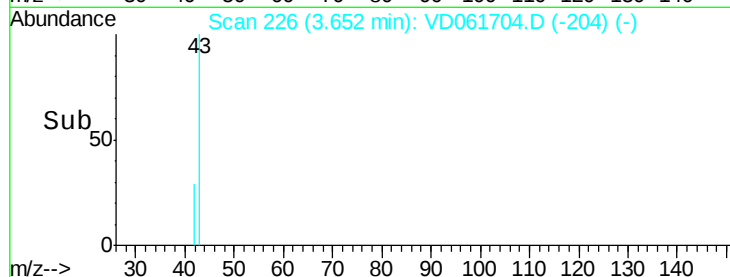
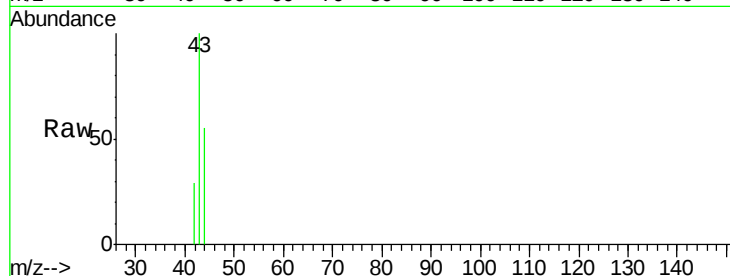
ClientSampled :

Tot Ion: 43 Resp: 2641

Ion Ratio Lower Upper

43 100

74 0.0 18.2 27.2#



#20

Methylene Chloride

Concen: 20.224 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD061704.D

Acq: 10 Apr 2019 7:08

Tgt Ion: 84 Resp: 124470

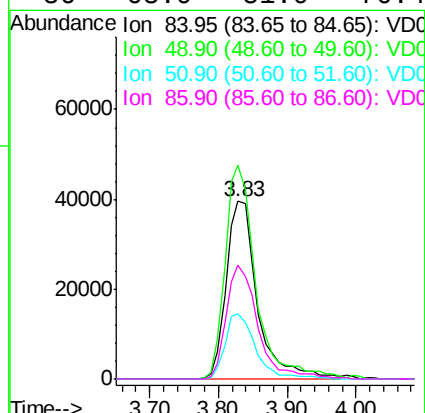
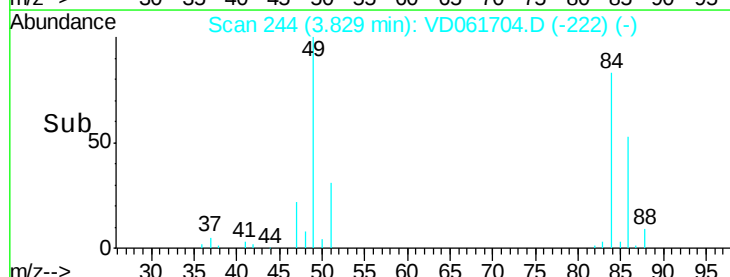
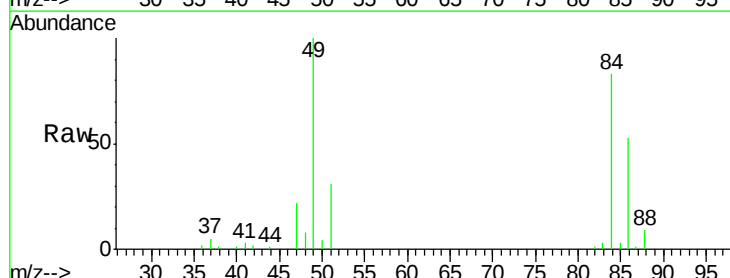
Ion Ratio Lower Upper

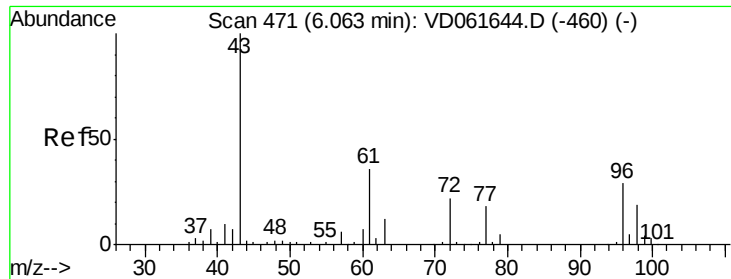
84 100

49 120.4 93.0 139.4

51 37.0 30.4 45.6

86 63.9 51.0 76.4





#25

2-Butanone

Concen: 1.939 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.03 min

Lab File: VD061704.D

Acq: 10 Apr 2019 7:08

Instrument :

MSVOA_D

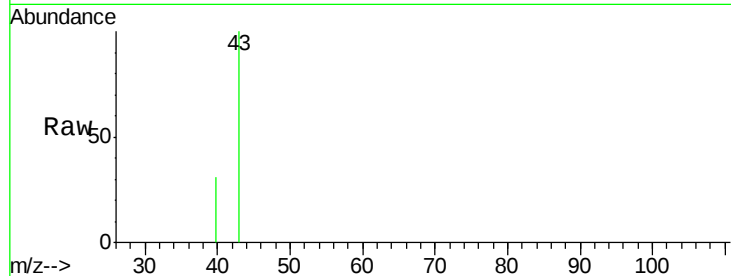
ClientSampled :

Tot Ion: 43 Resp: 2425

Ion Ratio Lower Upper

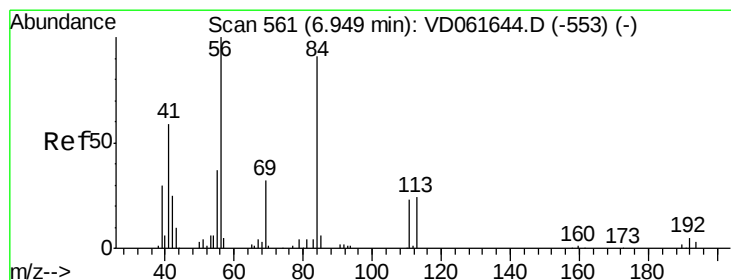
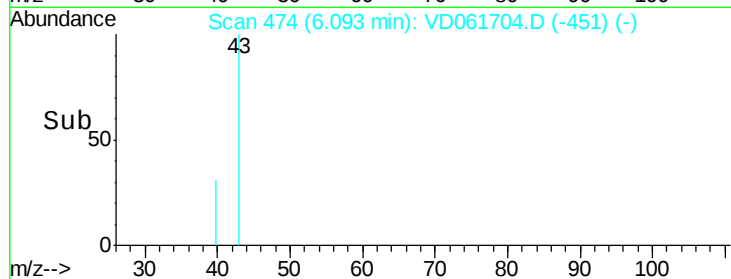
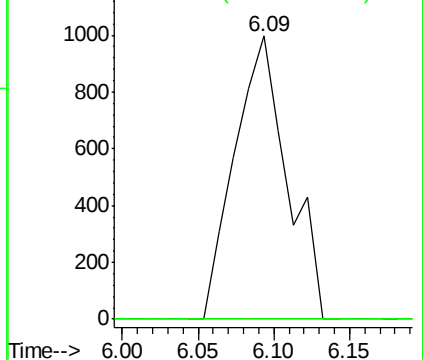
43 100

72 0.0 17.4 26.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.116 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.11 min

Lab File: VD061704.D

Acq: 10 Apr 2019 7:08

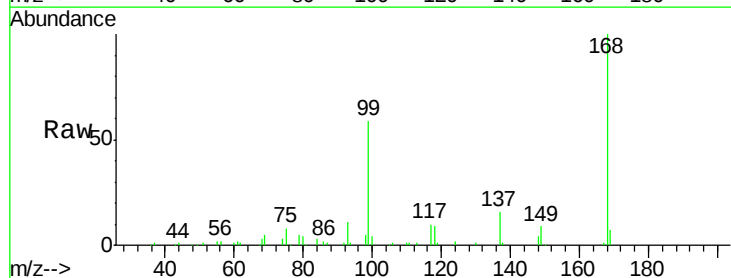
Tgt Ion: 56 Resp: 7625

Ion Ratio Lower Upper

56 100

69 216.6 25.8 38.6#

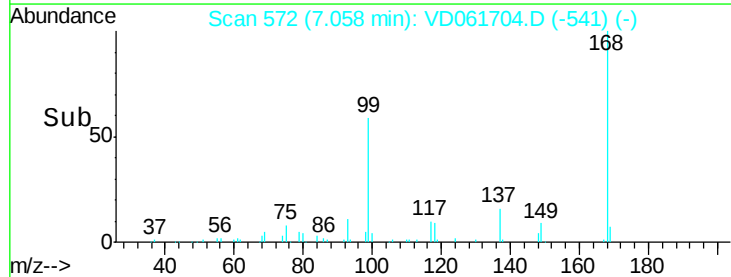
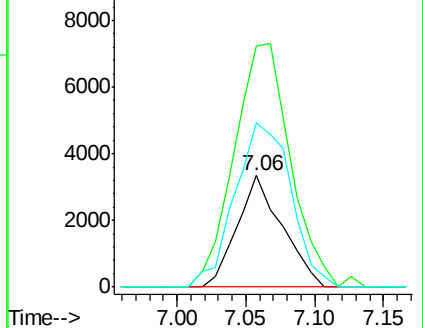
84 147.9 74.2 111.2#

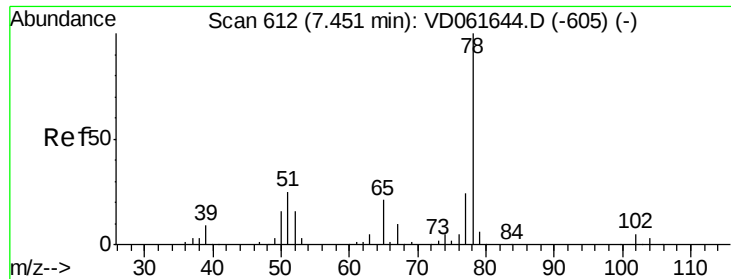


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

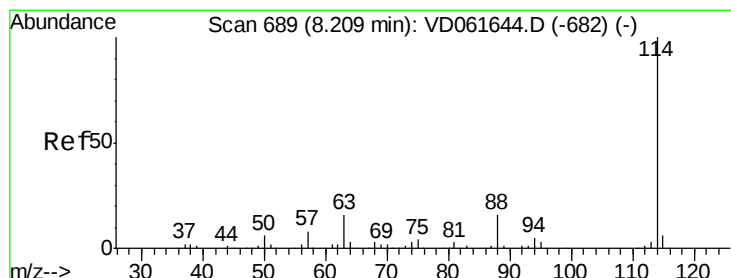
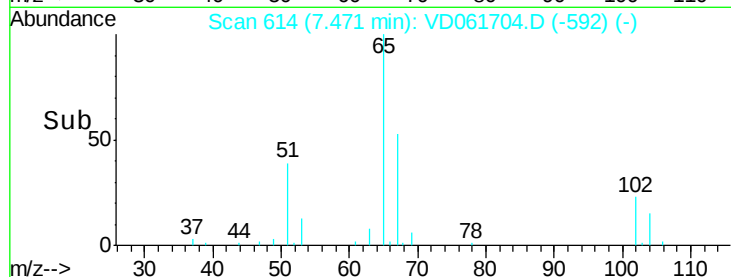
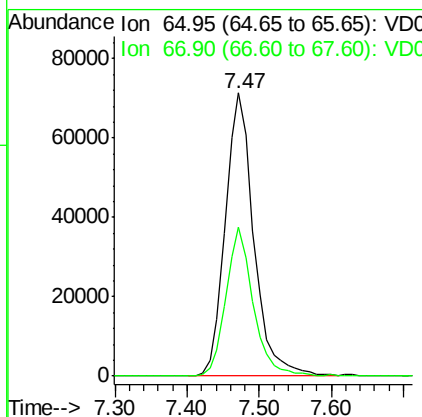
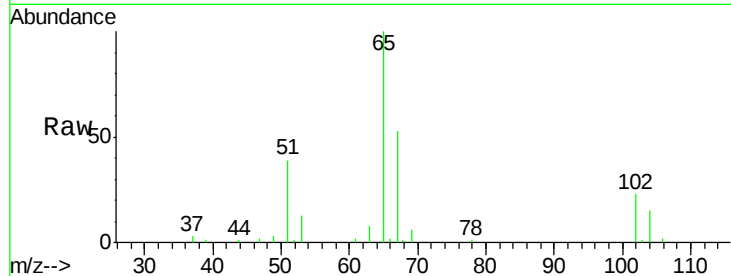




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.02 min
 Lab File: VD061704.D
 Acq: 10 Apr 2019 7:08

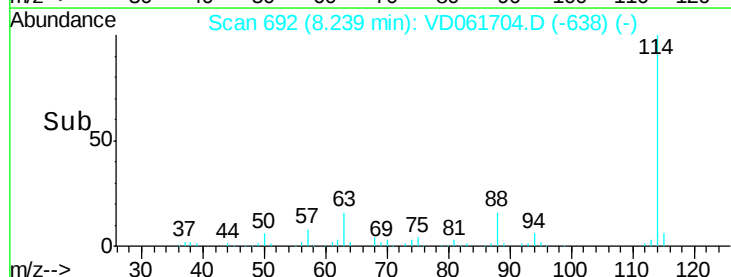
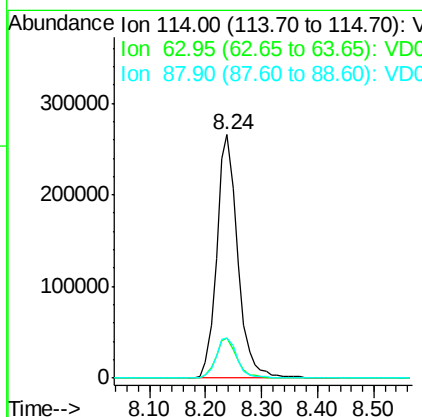
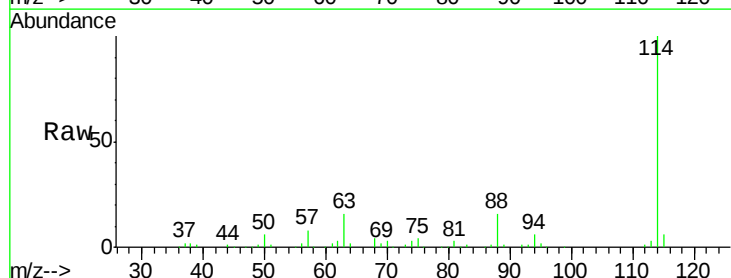
Instrument :
 MSVOA_D
 ClientSampleId :

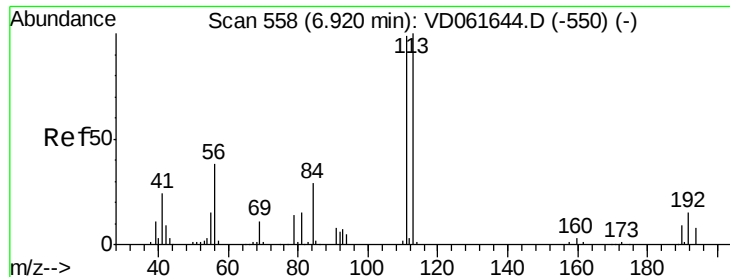
Tot Ion: 65 Resp: 195134
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.03 min
 Lab File: VD061704.D
 Acq: 10 Apr 2019 7:08

Tgt Ion: 114 Resp: 695738
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 31.2
 88 16.4 0.0 31.8

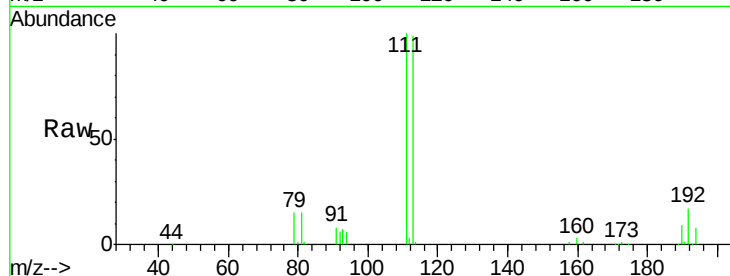




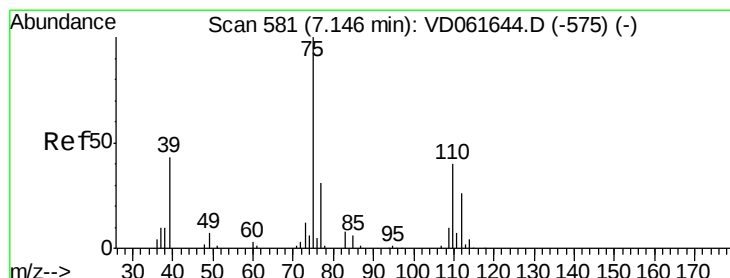
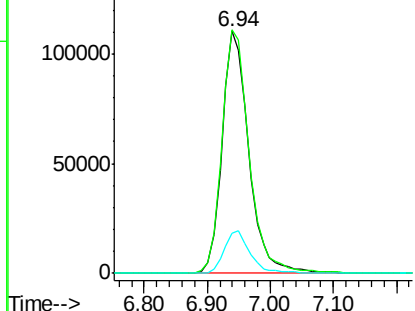
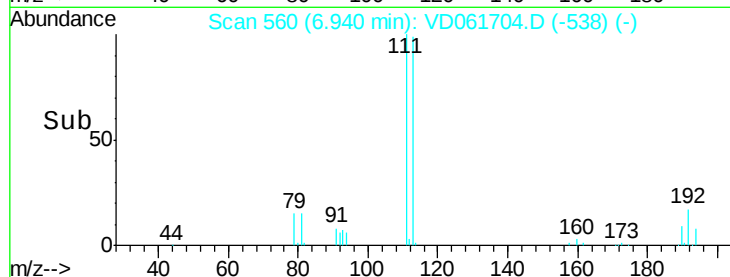
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.02 min
 Lab File: VD061704.D
 Acq: 10 Apr 2019 7:08

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:113 Resp: 325635
 Ion Ratio Lower Upper
 113 100
 111 100.7 79.3 118.9
 192 16.6 12.3 18.5

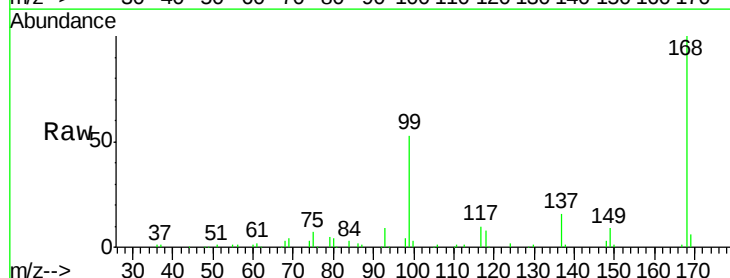


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

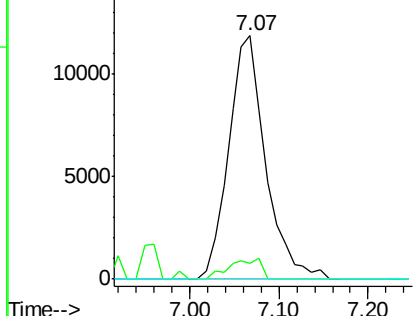
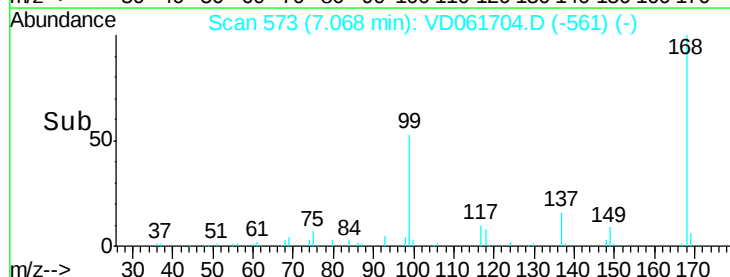


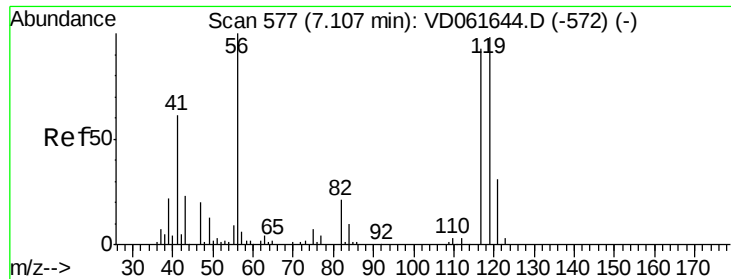
#36
 1,1-Dichloropropene
 Concen: 5.612 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. -0.08 min
 Lab File: VD061704.D
 Acq: 10 Apr 2019 7:08

Tgt Ion: 75 Resp: 34174
 Ion Ratio Lower Upper
 75 100
 110 6.5 19.7 59.0#
 77 0.0 24.8 37.2#



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

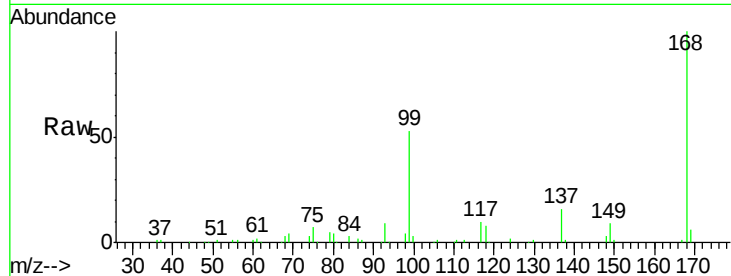




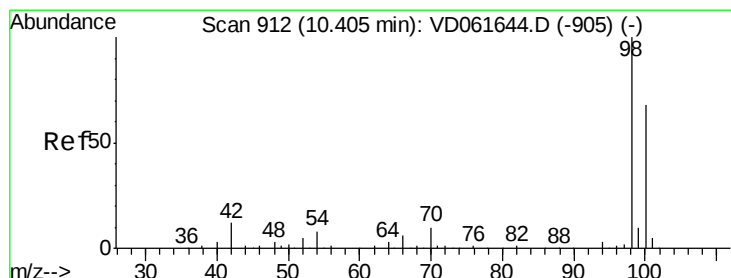
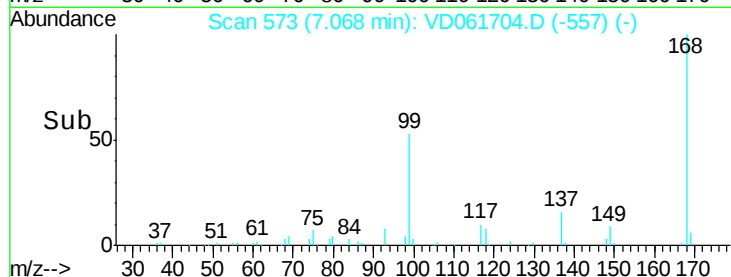
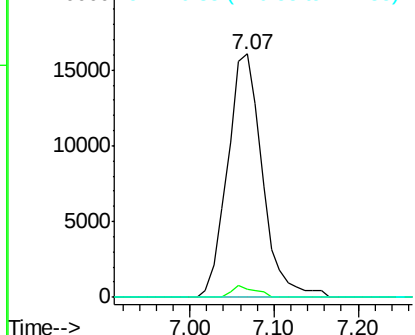
#38
Carbon Tetrachloride
Concen: 6.475 ug/l
RT: 7.07 min Scan# 573
Delta R.T. -0.04 min
Lab File: VD061704.D
Acq: 10 Apr 2019 7:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 46210
Ion Ratio Lower Upper
117 100
119 3.3 77.9 116.9#
121 0.0 24.7 37.1#

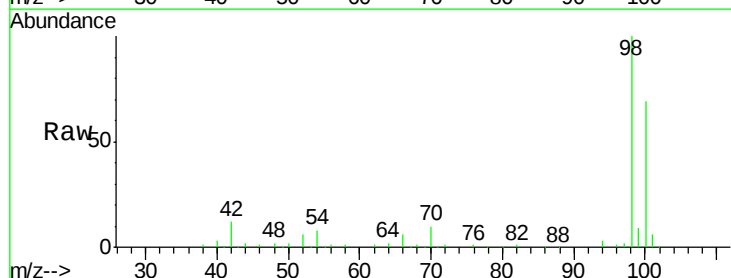


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

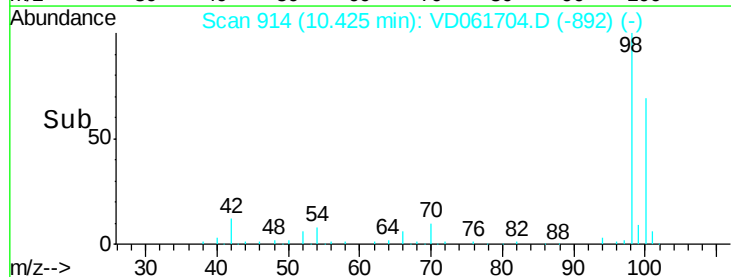
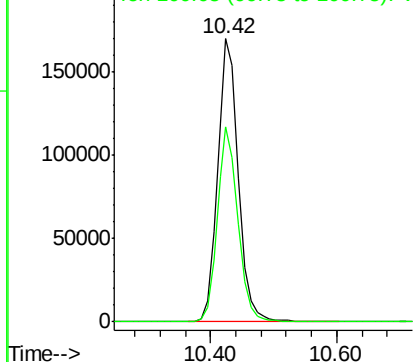


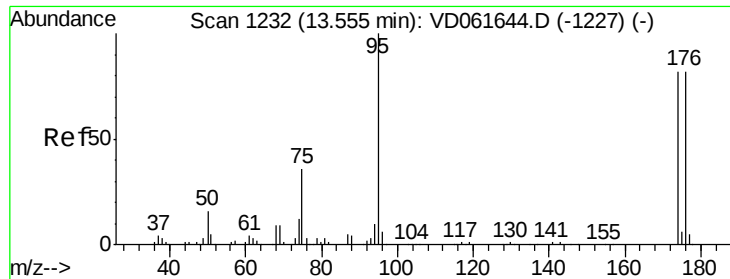
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD061704.D
Acq: 10 Apr 2019 7:08

Tgt Ion: 98 Resp: 391523
Ion Ratio Lower Upper
98 100
100 68.9 55.4 83.0



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061704.D

Acq: 10 Apr 2019 7:08

Instrument :

MSVOA_D

ClientSampleId :

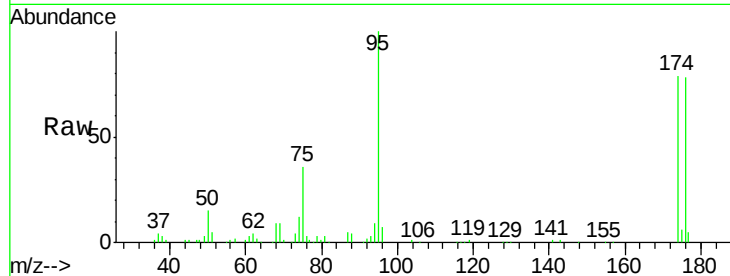
Tot Ion: 95 Resp: 282701

Ion Ratio Lower Upper

95 100

174 79.3 0.0 164.6

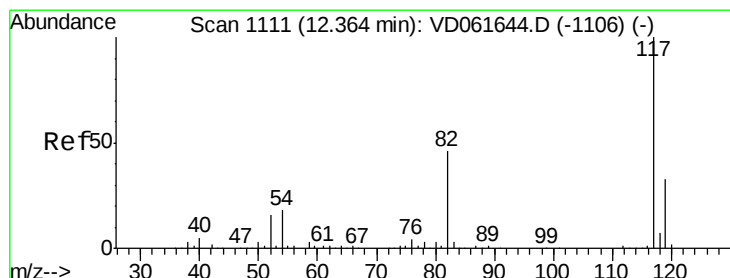
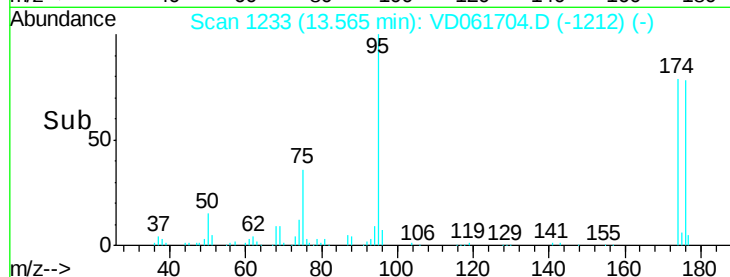
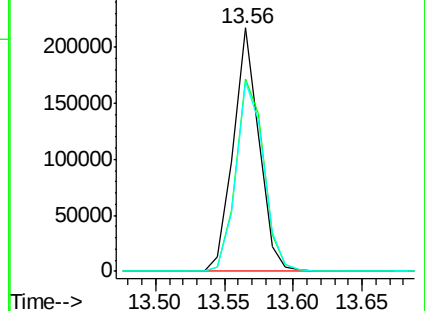
176 78.2 0.0 165.0



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. 0.02 min

Lab File: VD061704.D

Acq: 10 Apr 2019 7:08

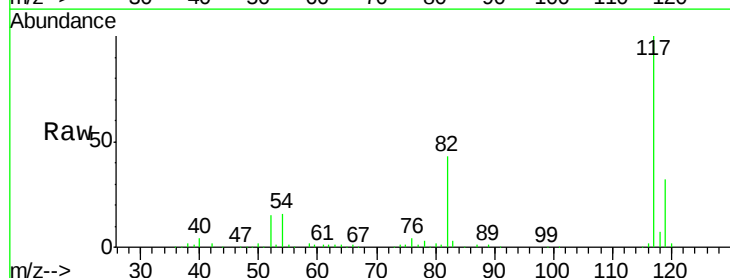
Tgt Ion: 117 Resp: 517251

Ion Ratio Lower Upper

117 100

82 43.0 36.8 55.2

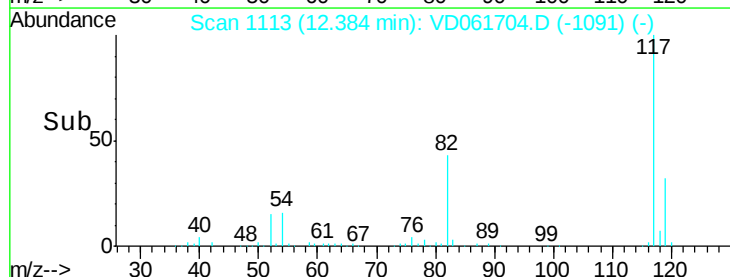
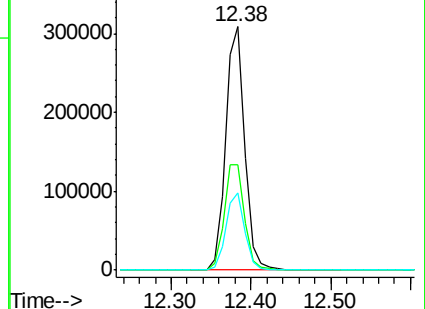
119 31.7 26.1 39.1

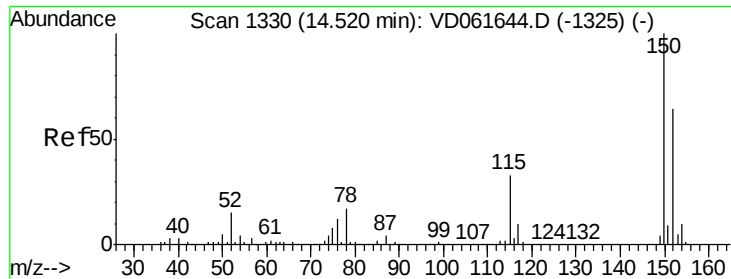


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061704.D

Acq: 10 Apr 2019 7:08

Instrument :

MSVOA_D

ClientSampleId :

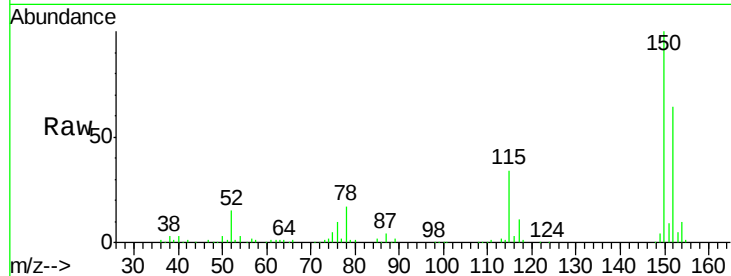
Tot Ion:152 Resp: 263987

Ion Ratio Lower Upper

152 100

115 52.8 26.4 79.2

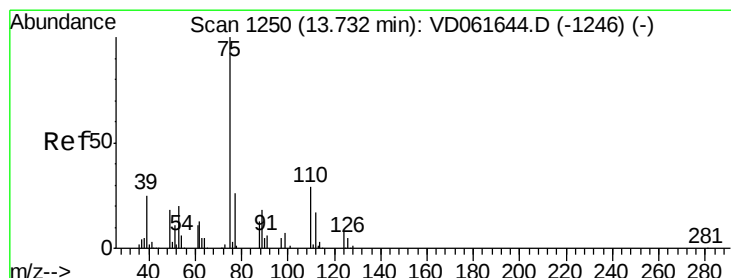
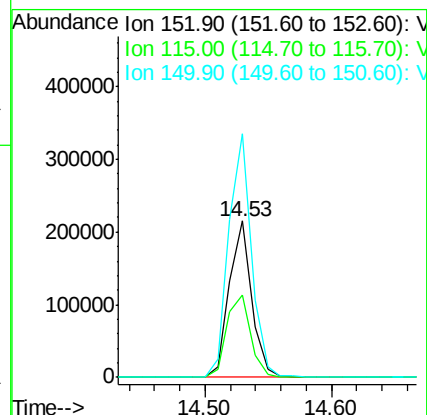
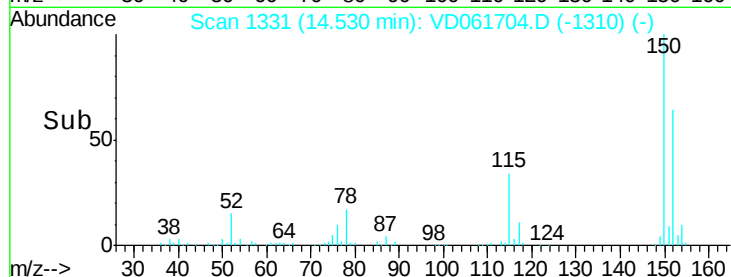
150 155.9 0.0 320.6



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



#76

1,2,3-Trichloropropane

Concen: 21.413 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD061704.D

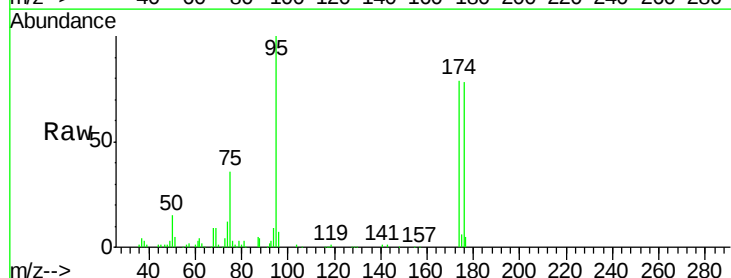
Acq: 10 Apr 2019 7:08

Tgt Ion: 75 Resp: 76906

Ion Ratio Lower Upper

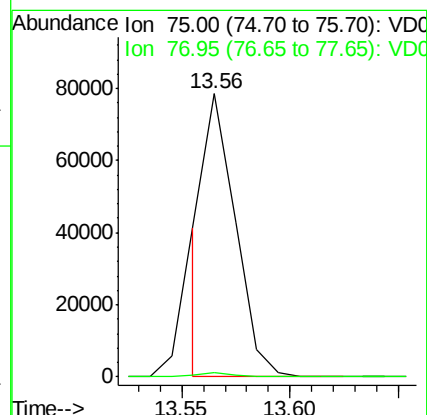
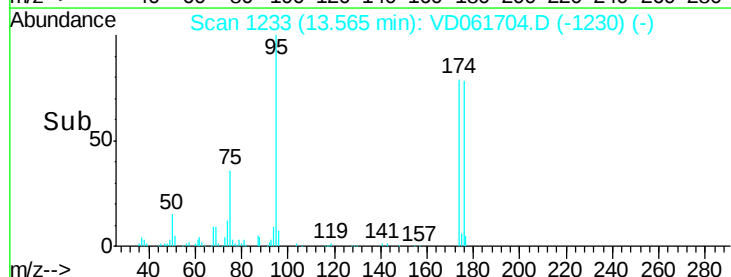
75 100

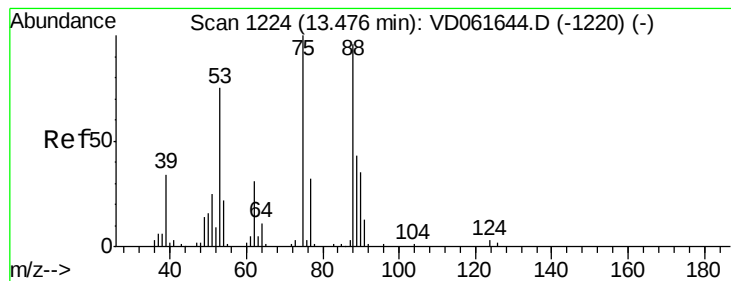
77 1.7 15.7 47.1#



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: 96.080 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061704.D

Acq: 10 Apr 2019 7:08

Instrument :

MSVOA_D

ClientSampleId :

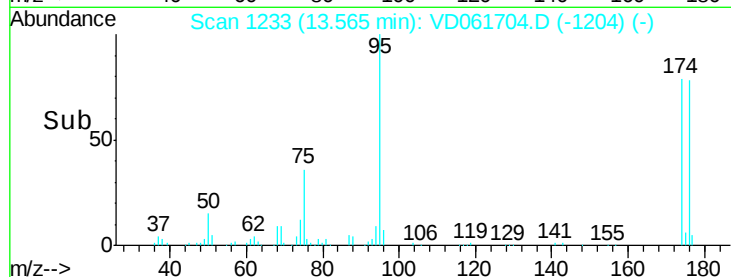
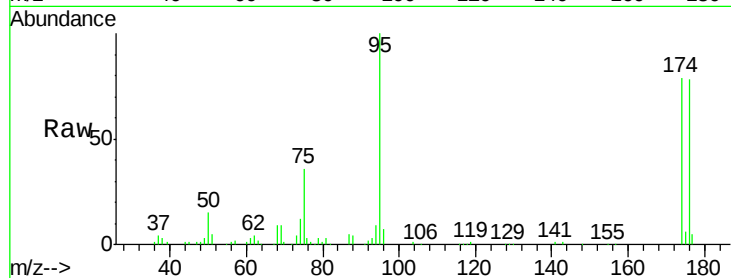
Tot Ion: 75 Resp: 104715

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): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

