

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061174.D
 Acq On : 19 Mar 2019 6:25
 Operator : VA/AP
 Sample : K1970-10
 Misc : 5.03g/5ml/MSVOA D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 19 08:23:42 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	7.03	168	590848	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.20	114	1087327	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	880371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	404909	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	297337	60.46	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	120.92%	
35) Dibromofluoromethane	6.91	113	449222	55.67	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	111.34%	
50) Toluene-d8	10.40	98	965995	47.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.34%	
62) 4-Bromofluorobenzene	13.55	95	399457	50.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.60%	

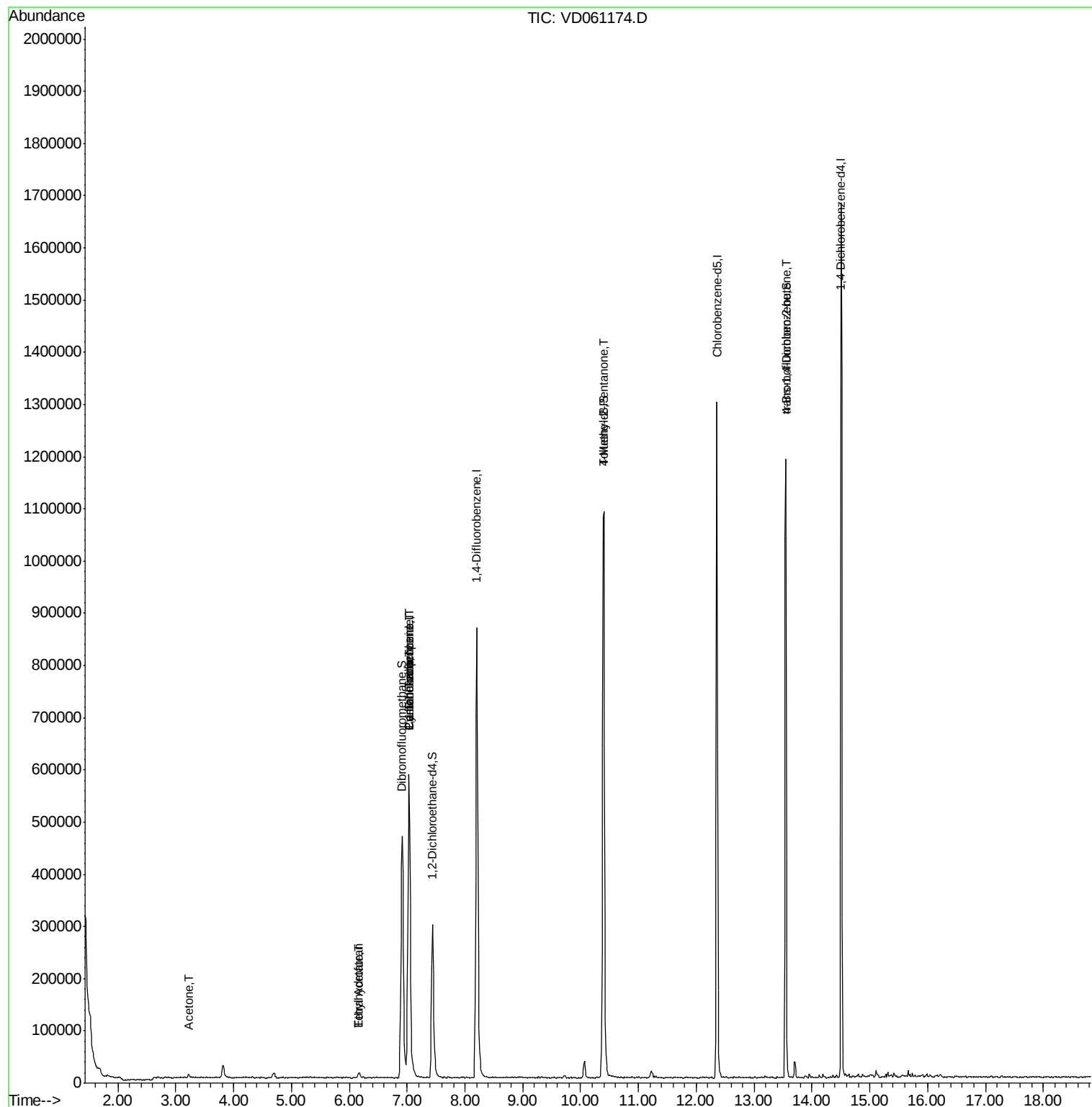
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	187	Below Cal	#	8
16) Acetone	3.22	43	7913	5.626	ug/l #	84
20) Methylene Chloride	3.81	84	18223	Below Cal		86
29) Tetrahydrofuran	6.18	42	885	1.021	ug/l #	33
31) Cyclohexane	7.03	56	9272	1.065	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	44097	4.705	ug/l #	46
37) Ethyl Acetate	6.17	43	18764	4.266	ug/l #	87
38) Carbon Tetrachloride	7.03	117	55154	5.342	ug/l #	16
51) 4-Methyl-2-Pentanone	10.40	43	3739	1.002	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.54	75	146101	85.069	ug/l #	17

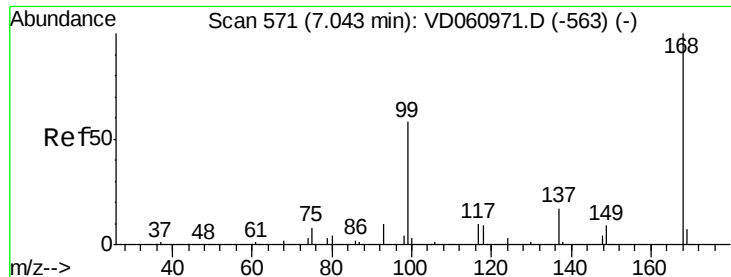
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031819\
Data File : VD061174.D
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ClientSampleId :

Quant Time: Mar 19 08:23:42 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
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: 7.03 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061174.D

Acq: 19 Mar 2019 6:25

Instrument :

MSVOA_D

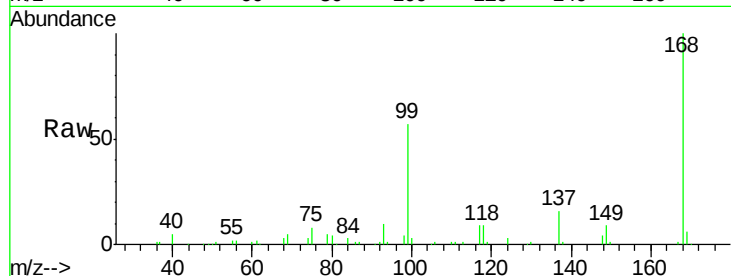
ClientSampleId :

Tot Ion:168 Resp: 590848

Ion Ratio Lower Upper

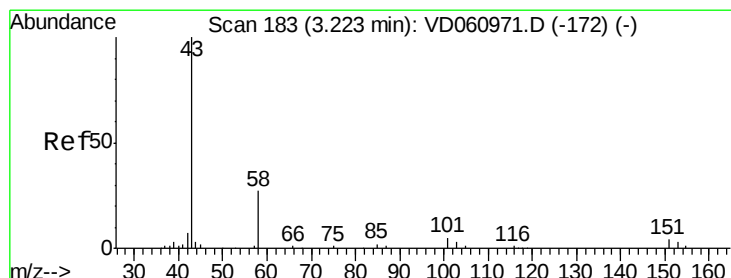
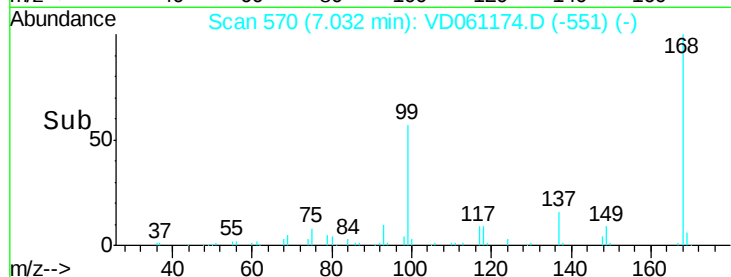
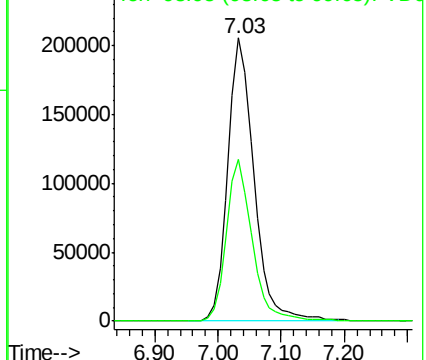
168 100

99 57.0 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: 5.626 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD061174.D

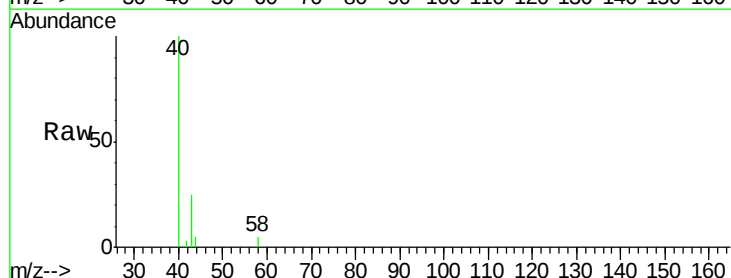
Acq: 19 Mar 2019 6:25

Tgt Ion: 43 Resp: 7913

Ion Ratio Lower Upper

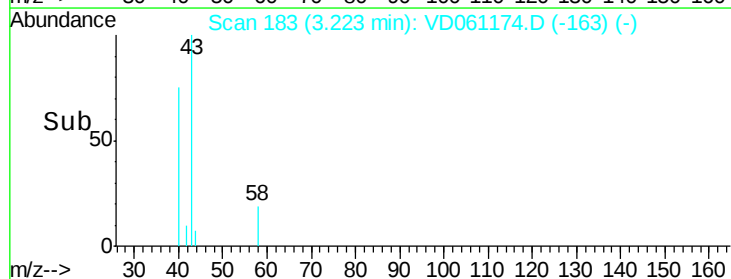
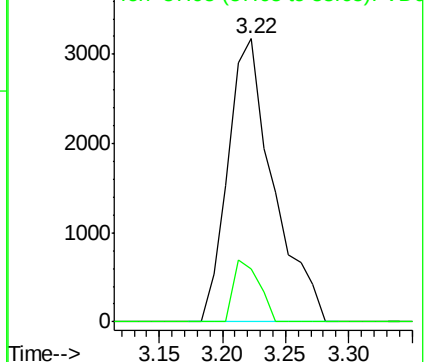
43 100

58 18.6 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

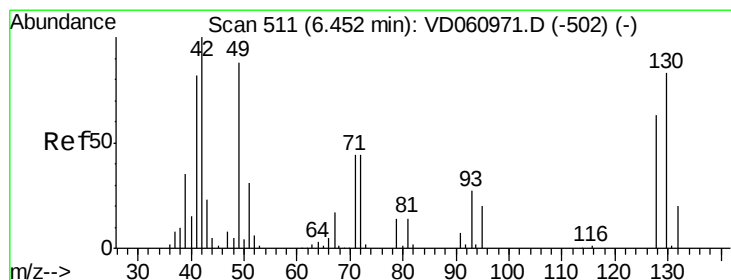
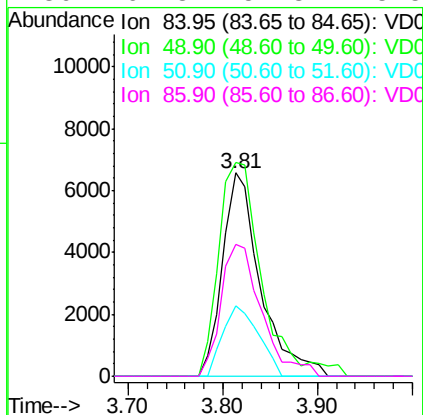
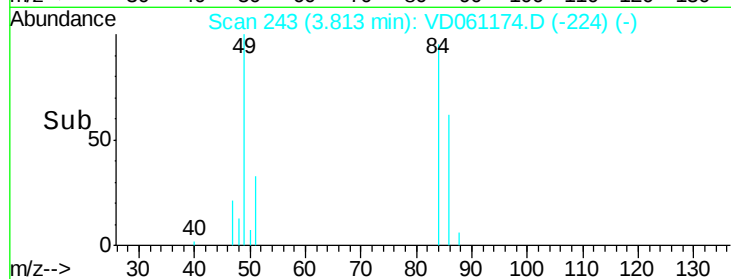
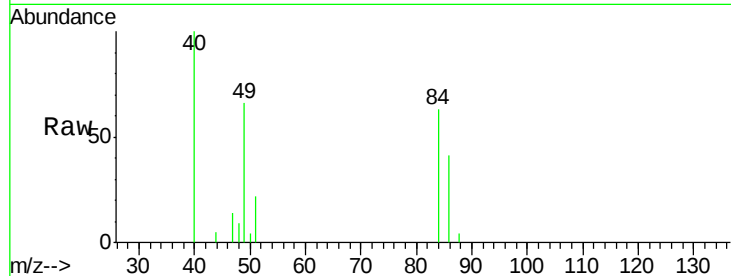




#20
Methvlene Chloride
Concen: Below Cal
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD061174.D
Acq: 19 Mar 2019 6:25

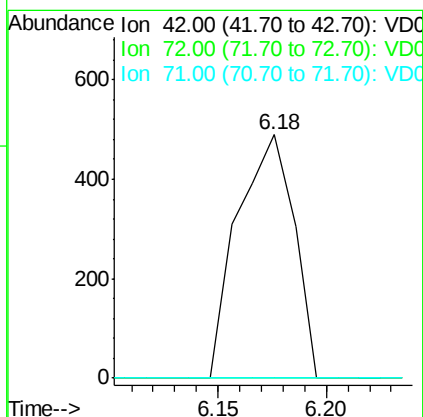
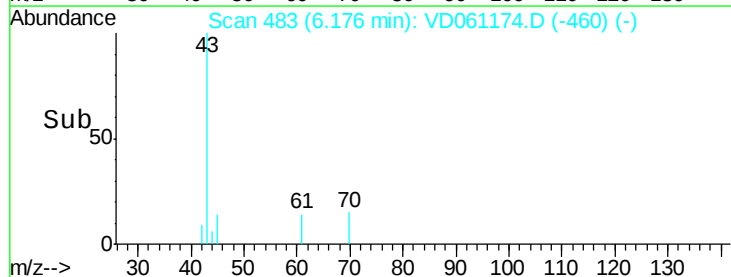
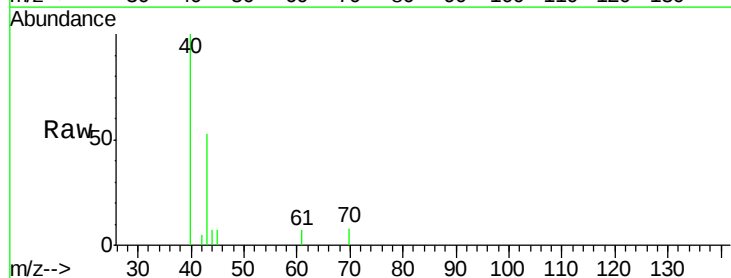
Instrument :
MSVOA_D
ClientSampled :

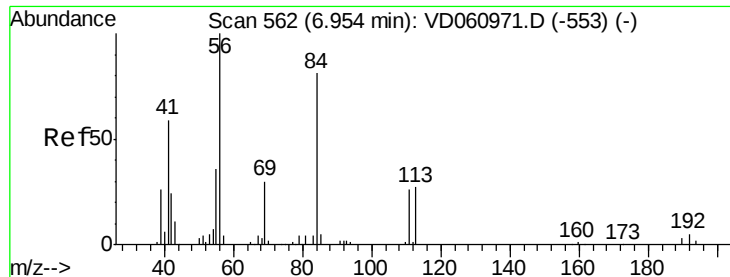
Tot Ion:	84	Resp:	18223
Ion	Ratio	Lower	Upper
84	100		
49	105.2	104.2	156.2
51	34.5	32.3	48.5
86	64.8	52.3	78.5



#29
Tetrahydrofuran
Concen: 1.021 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.28 min
Lab File: VD061174.D
Acq: 19 Mar 2019 6:25

Tgt Ion:	42	Resp:	885
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.5	51.7#
71	0.0	33.8	50.6#

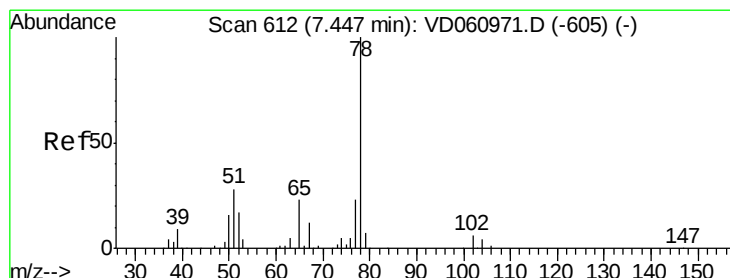
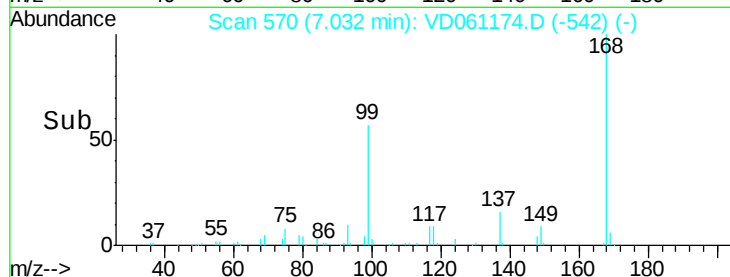
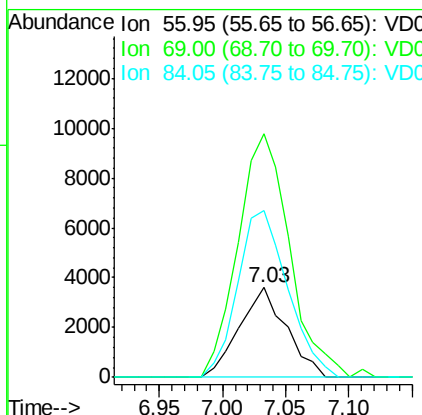
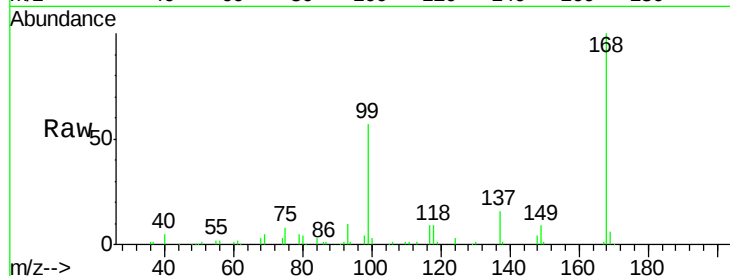




#31
Cyclohexane
Concen: 1.065 ug/l
RT: 7.03 min Scan# 570
Delta R.T. 0.08 min
Lab File: VD061174.D
Acq: 19 Mar 2019 6:25

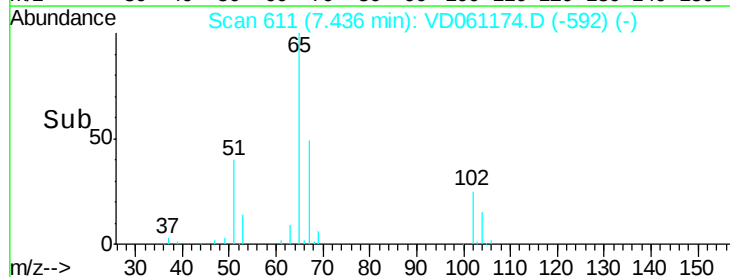
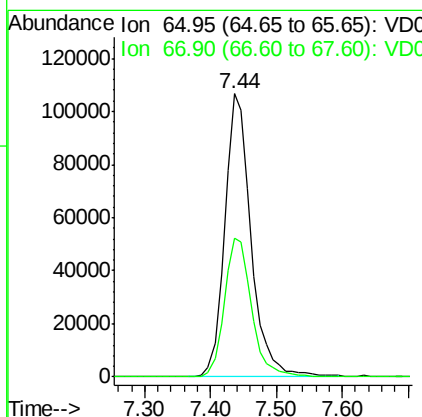
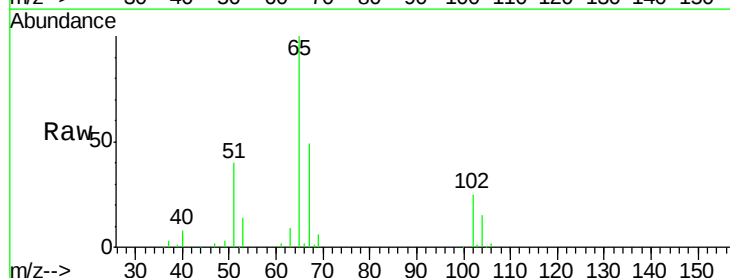
Instrument :
MSVOA_D
ClientSampleId :

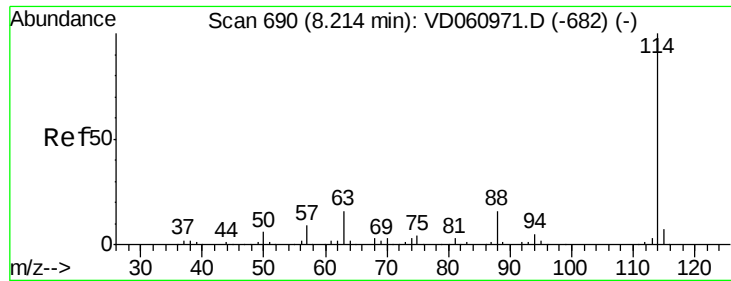
Tot Ion: 56 Resp: 9272
Ion Ratio Lower Upper
56 100
69 272.4 24.0 36.0#
84 186.3 65.8 98.6#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD061174.D
Acq: 19 Mar 2019 6:25

Tgt Ion: 65 Resp: 297337
Ion Ratio Lower Upper
65 100
67 49.2 0.0 105.2

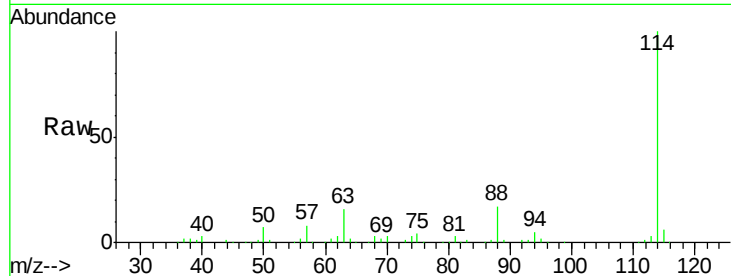




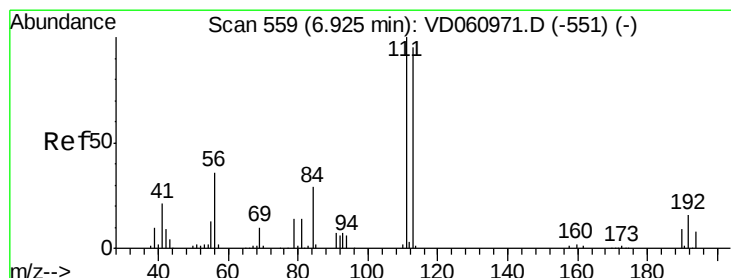
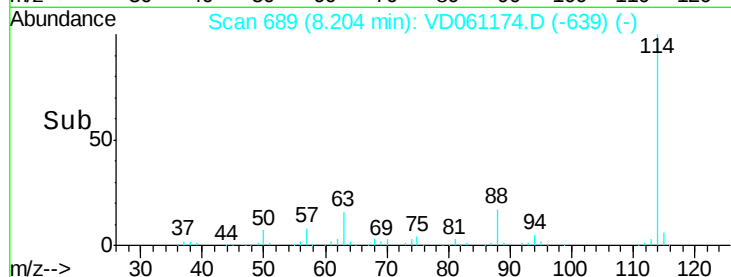
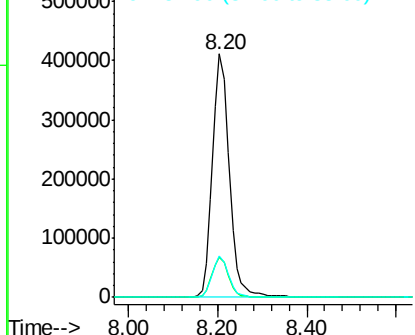
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD061174.D
 Acq: 19 Mar 2019 6:25

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:114 Resp: 1087327
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 31.4
 88 16.8 0.0 33.0

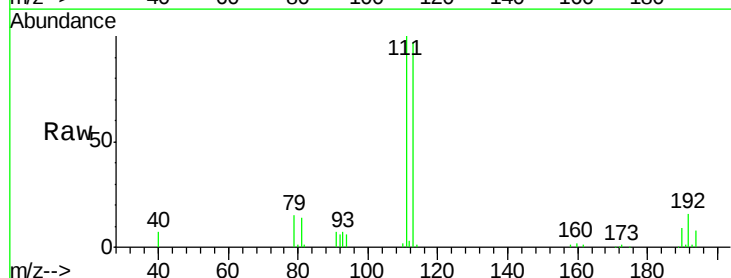


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

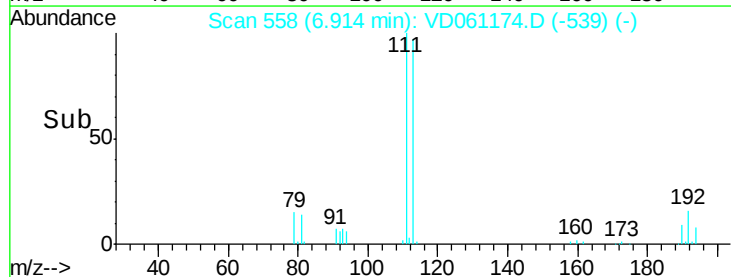
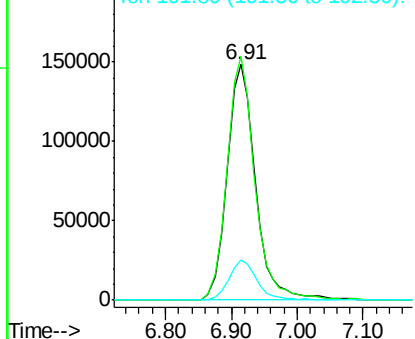


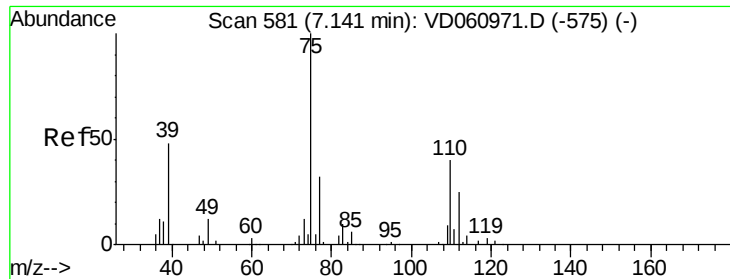
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD061174.D
 Acq: 19 Mar 2019 6:25

Tgt Ion:113 Resp: 449222
 Ion Ratio Lower Upper
 113 100
 111 103.3 84.2 126.4
 192 16.9 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: 4.705 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD061174.D

Acq: 19 Mar 2019 6:25

Instrument :

MSVOA_D

ClientSampleId :

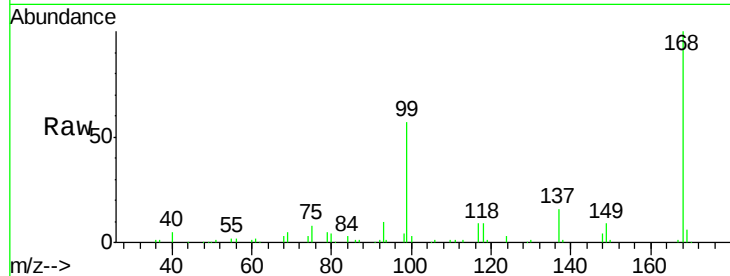
Tot Ion: 75 Resp: 44097

Ion Ratio Lower Upper

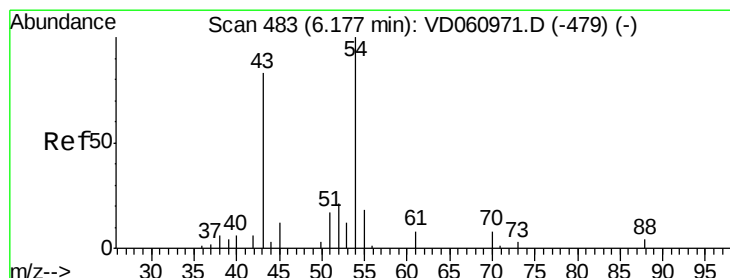
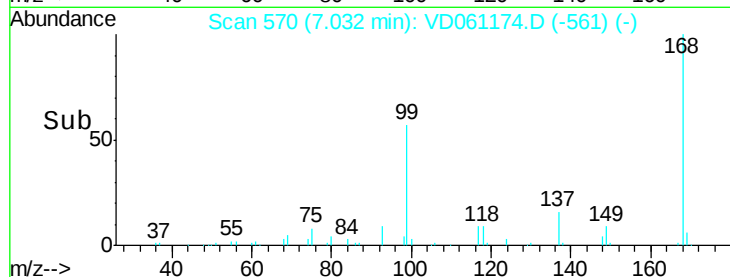
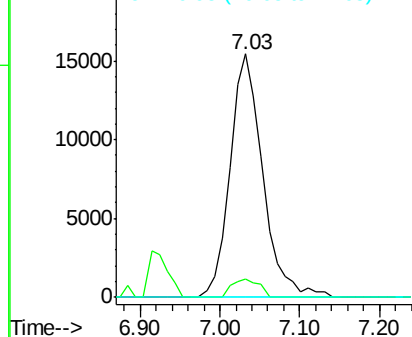
75 100

110 7.5 19.7 59.1#

77 0.0 24.7 37.1#



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



#37

Ethyl Acetate

Concen: 4.266 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.01 min

Lab File: VD061174.D

Acq: 19 Mar 2019 6:25

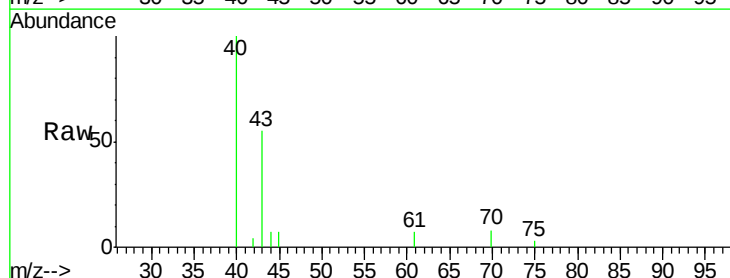
Tgt Ion: 43 Resp: 18764

Ion Ratio Lower Upper

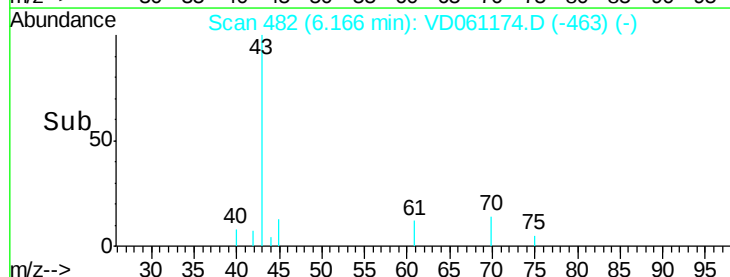
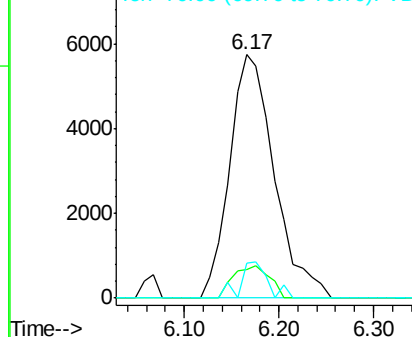
43 100

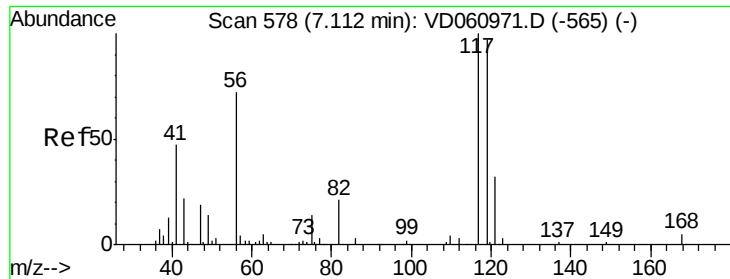
61 11.9 13.7 20.5#

70 14.4 7.1 10.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

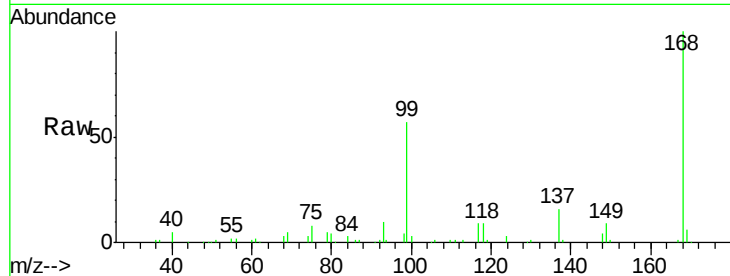




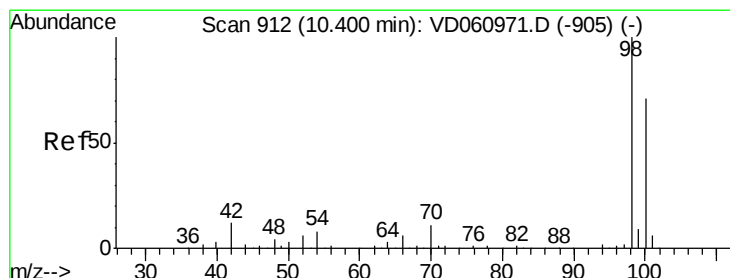
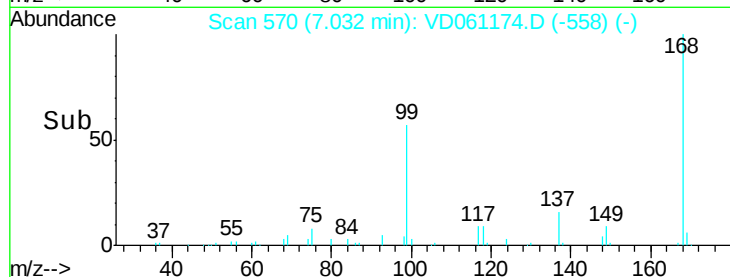
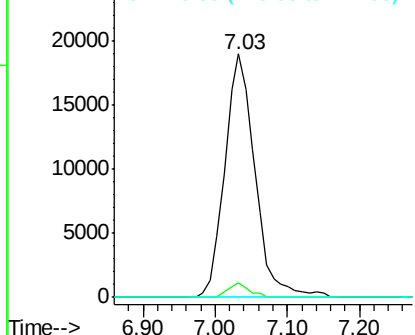
#38
Carbon Tetrachloride
Concen: 5.342 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.08 min
Lab File: VD061174.D
Acq: 19 Mar 2019 6:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 55154
Ion Ratio Lower Upper
117 100
119 6.2 77.8 116.8#
121 0.0 25.3 37.9#

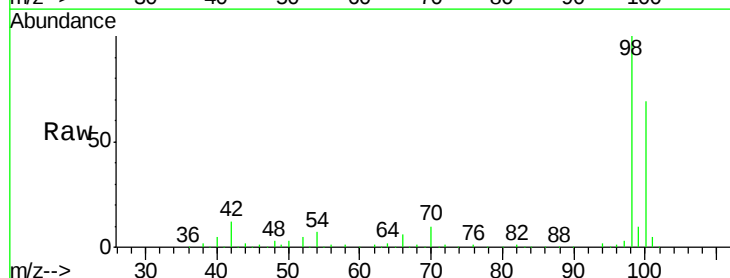


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

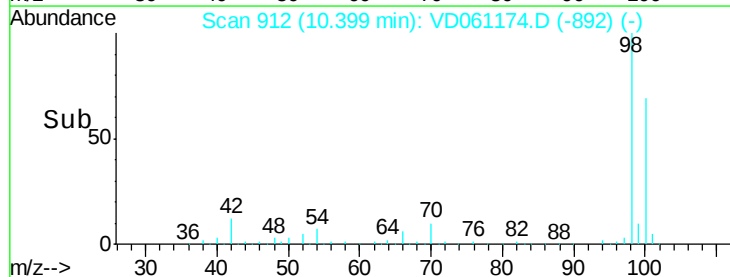
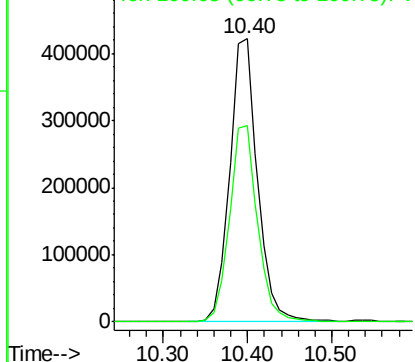


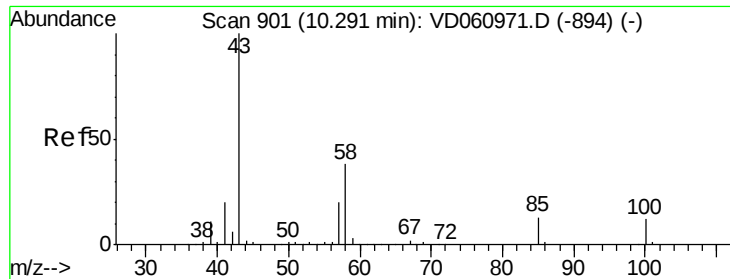
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD061174.D
Acq: 19 Mar 2019 6:25

Tgt Ion: 98 Resp: 965995
Ion Ratio Lower Upper
98 100
100 69.2 57.4 86.2



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





#51

4-Methyl-2-Pentanone

Concen: 1.002 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.11 min

Lab File: VD061174.D

Acq: 19 Mar 2019 6:25

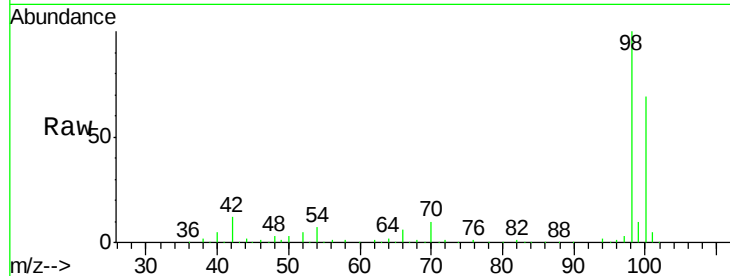
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 3739

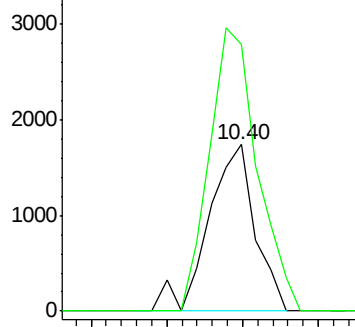
Ion Ratio Lower Upper

43 100

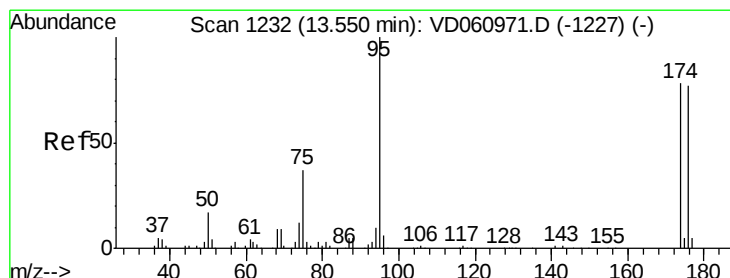
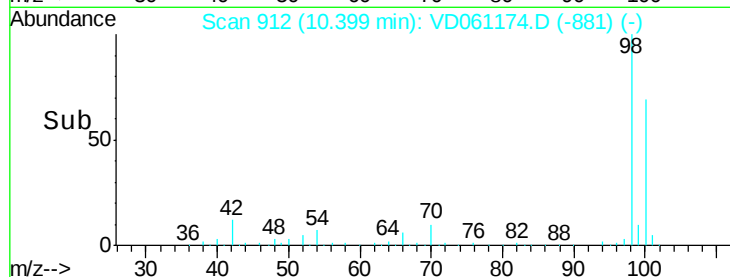
58 160.4 30.2 45.2#



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



Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061174.D

Acq: 19 Mar 2019 6:25

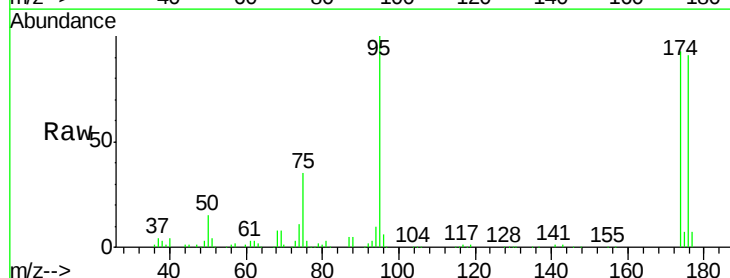
Tgt Ion: 95 Resp: 399457

Ion Ratio Lower Upper

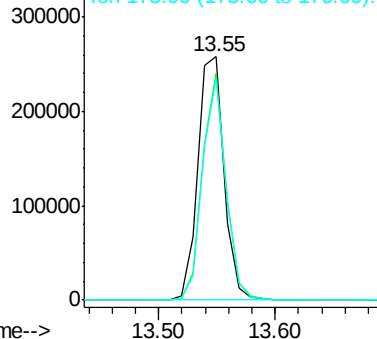
95 100

174 93.1 0.0 155.6

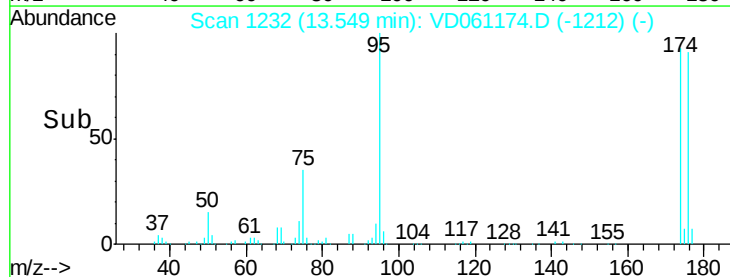
176 91.0 0.0 153.8

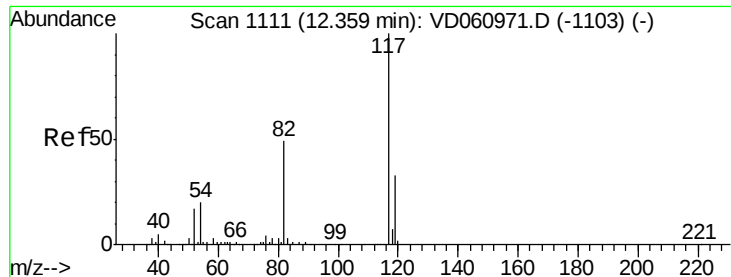


Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V



Time-->

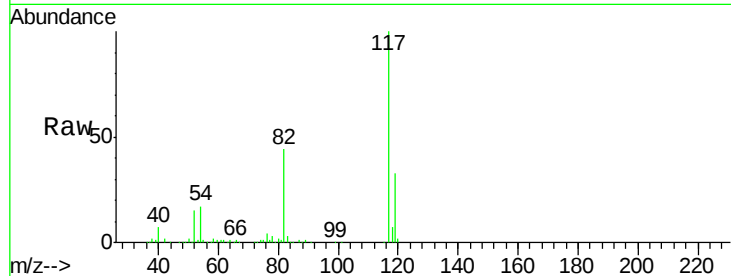




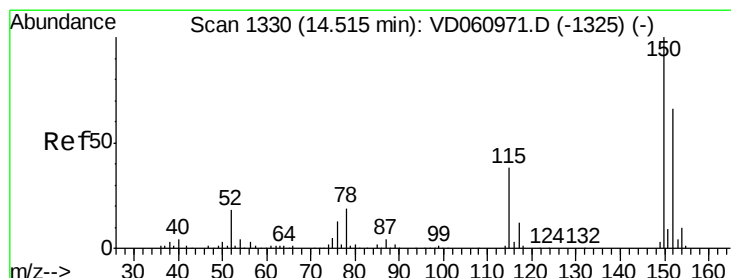
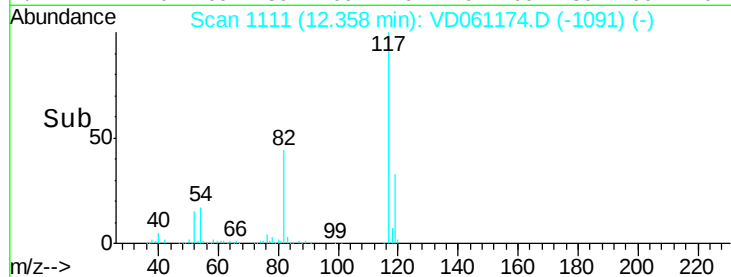
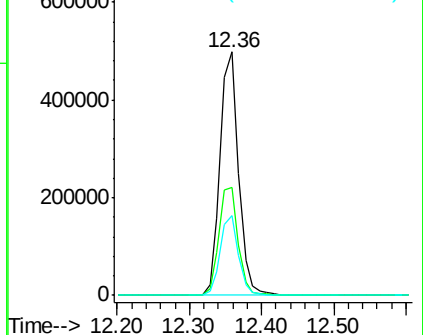
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061174.D
Acq: 19 Mar 2019 6:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 880371
Ion Ratio Lower Upper
117 100
82 44.4 38.9 58.3
119 32.9 26.6 39.8

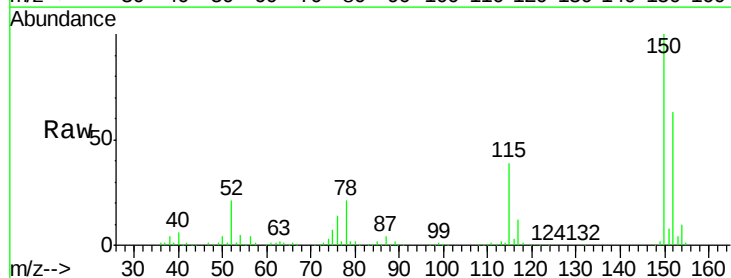


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

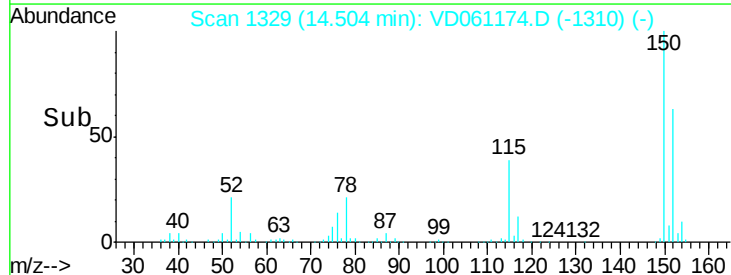
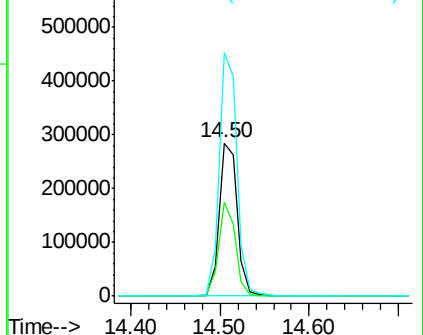


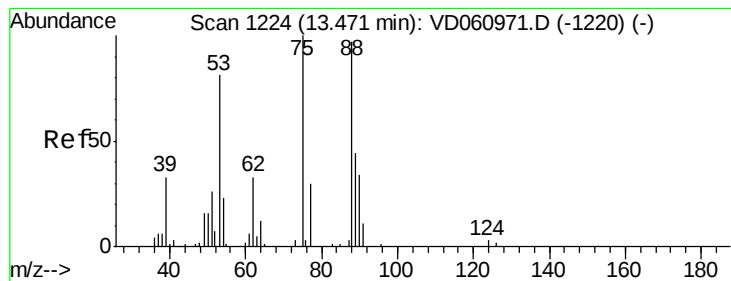
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061174.D
Acq: 19 Mar 2019 6:25

Tgt Ion:152 Resp: 404909
Ion Ratio Lower Upper
152 100
115 61.6 28.6 85.9
150 159.2 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: 85.069 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD061174.D

Acq: 19 Mar 2019 6:25

Instrument :

MSVOA_D

ClientSampleId :

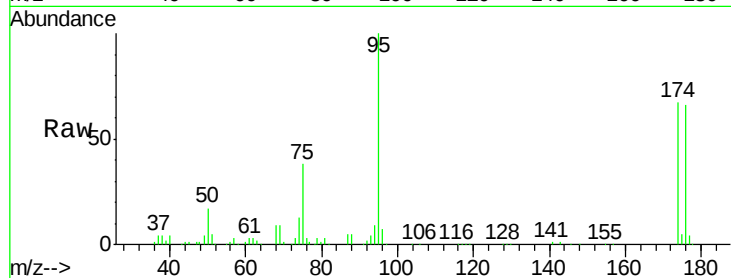
Tot Ion: 75 Resp: 146101

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

