

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031519\
 Data File : VD061095.D
 Acq On : 15 Mar 2019 19:07
 Operator : VA/AP
 Sample : K1908-05RE
 Misc : 4.73g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 93-94

Quant Time: Mar 16 05:44:30 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	7.08	168	471198	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.25	114	883604	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	673769	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	280497	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	211559	53.94	ug/l	0.03
Spiked Amount			Recovery	=	107.88%	
35) Dibromofluoromethane	6.96	113	338268	51.58	ug/l	0.03
Spiked Amount			Recovery	=	103.16%	
50) Toluene-d8	10.43	98	815128	49.50	ug/l	0.03
Spiked Amount			Recovery	=	99.00%	
62) 4-Bromofluorobenzene	13.57	95	303119	47.44	ug/l	0.02
Spiked Amount			Recovery	=	94.88%	

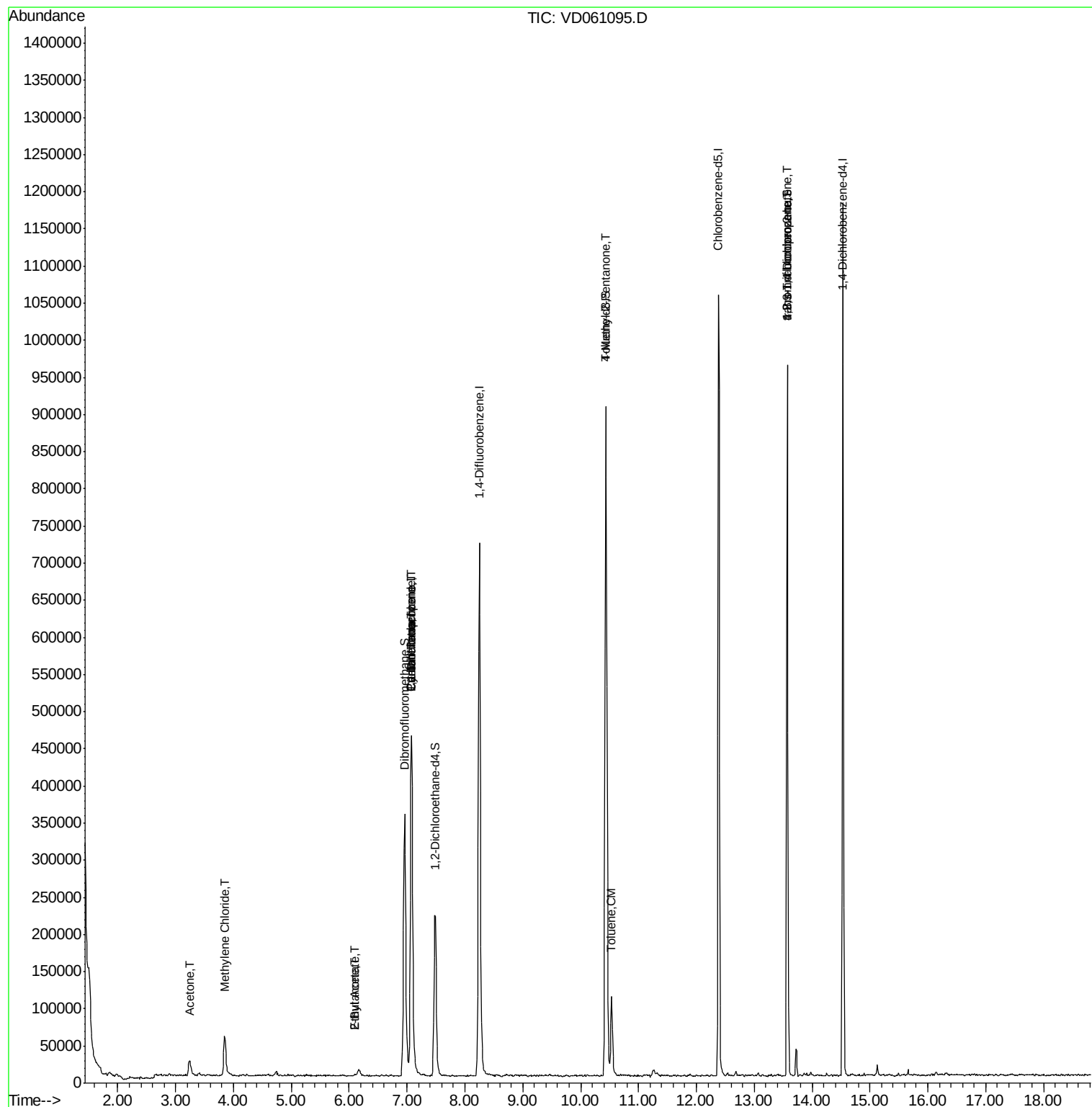
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.23	94	185	Below Cal	#	8
16) Acetone	3.24	43	44967	40.092	ug/l	100
20) Methylene Chloride	3.85	84	41827	3.877	ug/l	92
25) 2-Butanone	6.10	43	5836	4.586	ug/l #	55
31) Cyclohexane	7.08	56	7625	1.099	ug/l #	1
36) 1,1-Dichloropropene	7.08	75	35018	4.598	ug/l #	46
37) Ethyl Acetate	6.10	43	5836	1.633	ug/l #	66
38) Carbon Tetrachloride	7.08	117	44939	5.356	ug/l #	15
51) 4-Methyl-2-Pentanone	10.43	43	3044	1.004	ug/l #	1
52) Toluene	10.53	92	61106	5.163	ug/l	96
76) 1,2,3-Trichloropropane	13.57	75	109863	27.224	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.57	75	110126	92.563	ug/l #	17

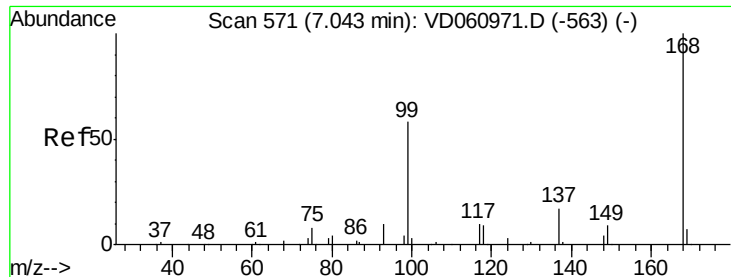
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031519\
Data File : VD061095.D
Acq On : 15 Mar 2019 19:07
Operator : VA/AP
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ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampled :
93-94

Quant Time: Mar 16 05:44:30 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: 7.08 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD061095.D

Acq: 15 Mar 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

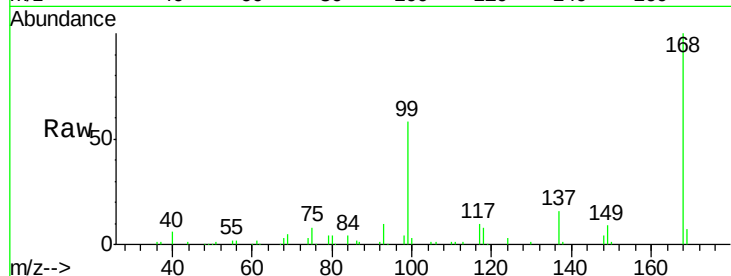
93-94

Tot Ion:168 Resp: 471198

Ion Ratio Lower Upper

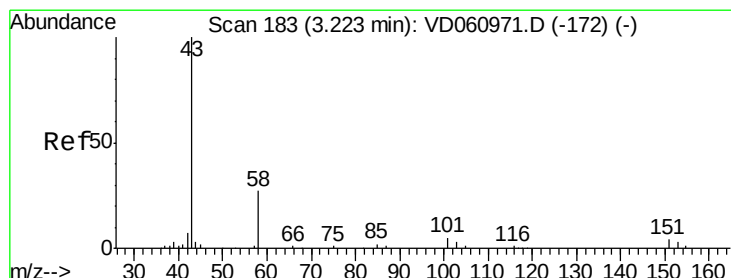
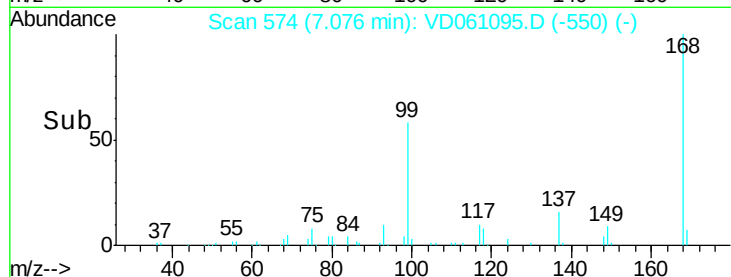
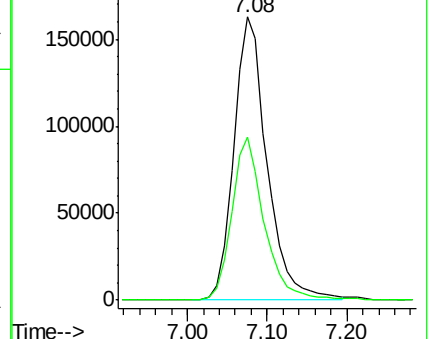
168 100

99 57.5 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: 40.092 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD061095.D

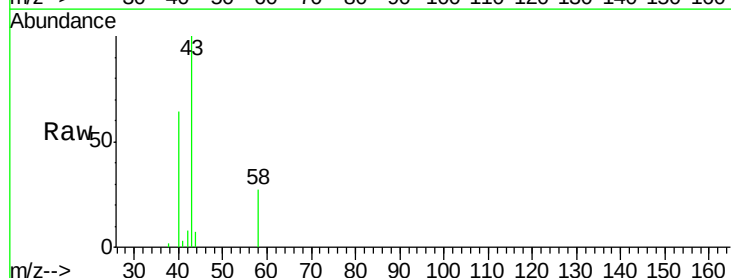
Acq: 15 Mar 2019 19:07

Tgt Ion: 43 Resp: 44967

Ion Ratio Lower Upper

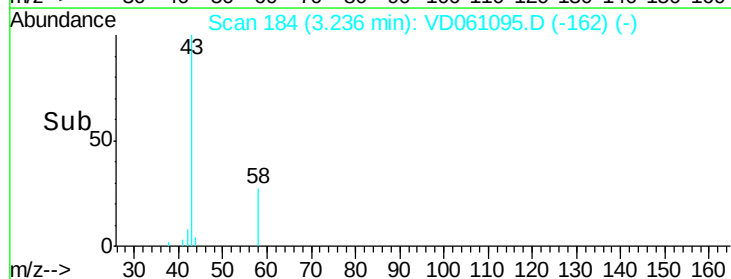
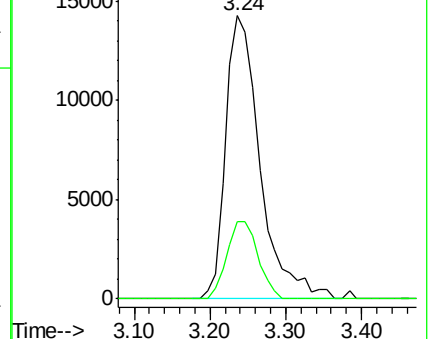
43 100

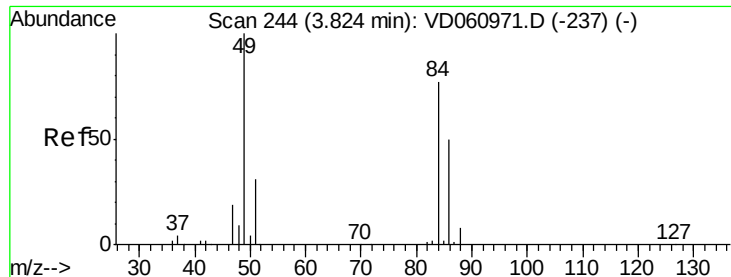
58 27.1 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

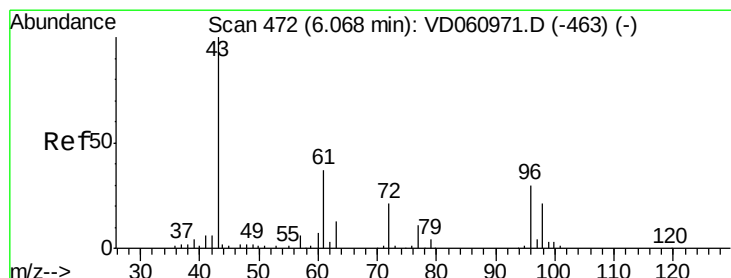
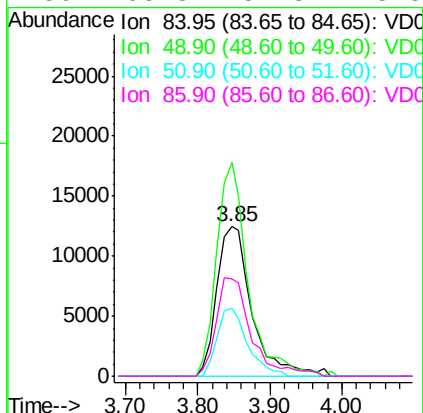
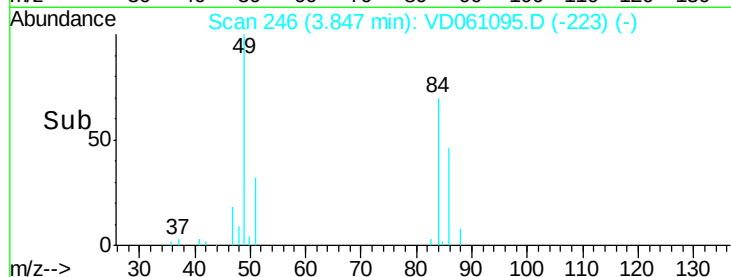
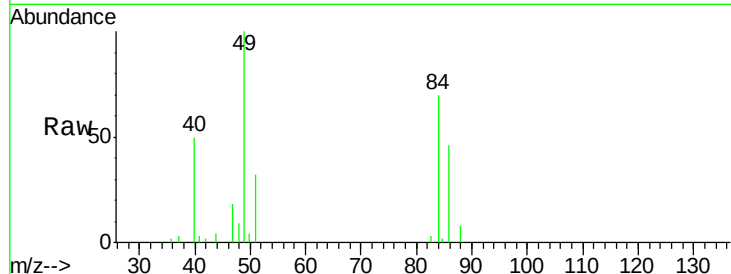




#20
Methylene Chloride
Concen: 3.877 ug/l
RT: 3.85 min Scan# 246
Delta R.T. 0.02 min
Lab File: VD061095.D
Acq: 15 Mar 2019 19:07

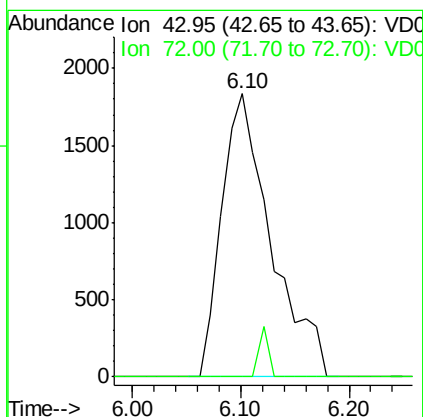
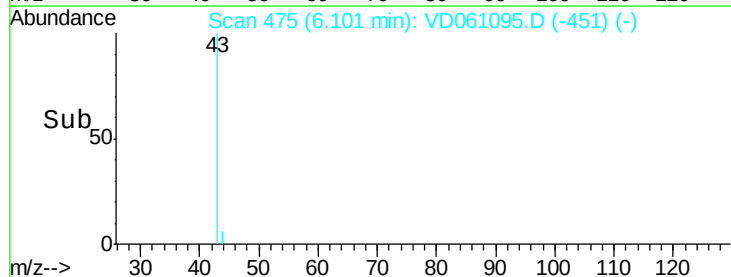
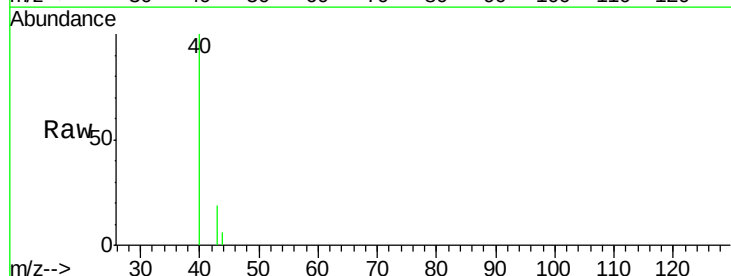
Instrument :
MSVOA_D
ClientSampleId :
93-94

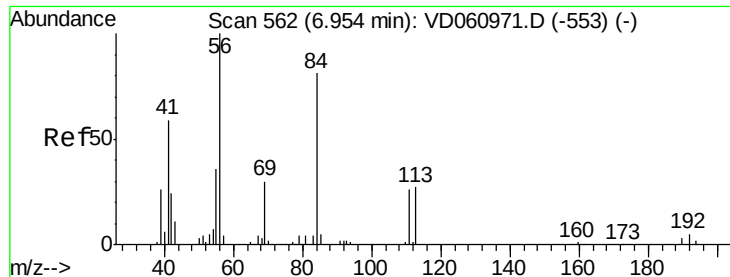
Tot Ion:	84	Resp:	41827
Ion	Ratio	Lower	Upper
84	100		
49	143.1	104.2	156.2
51	45.6	32.3	48.5
86	65.3	52.3	78.5



#25
2-Butanone
Concen: 4.586 ug/l
RT: 6.10 min Scan# 475
Delta R.T. 0.03 min
Lab File: VD061095.D
Acq: 15 Mar 2019 19:07

Tgt Ion:	43	Resp:	5836
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.7	25.1#

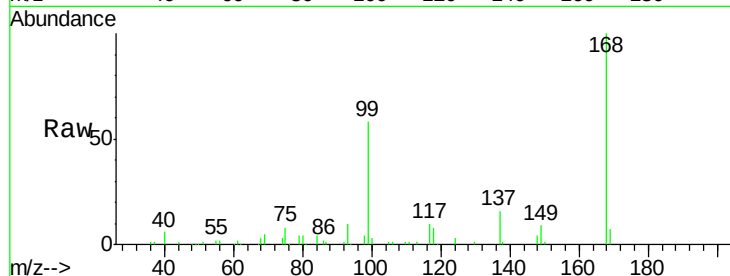




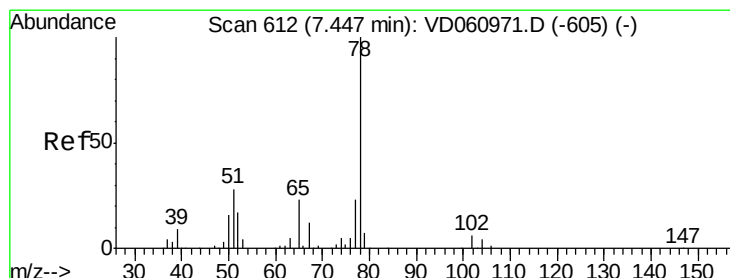
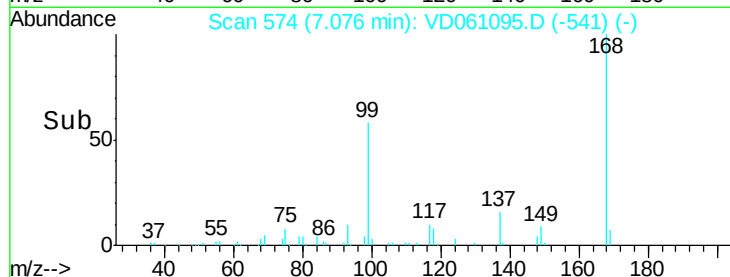
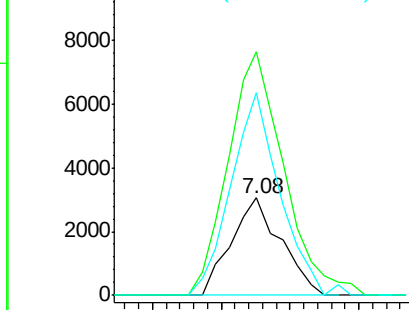
#31
Cyclohexane
Concen: 1.099 ug/l
RT: 7.08 min Scan# 574
Delta R.T. 0.12 min
Lab File: VD061095.D
Acq: 15 Mar 2019 19:07

Instrument :
MSVOA_D
ClientSampleId :
93-94

Tot Ion: 56 Resp: 7625
Ion Ratio Lower Upper
56 100
69 249.5 24.0 36.0#
84 207.6 65.8 98.6#

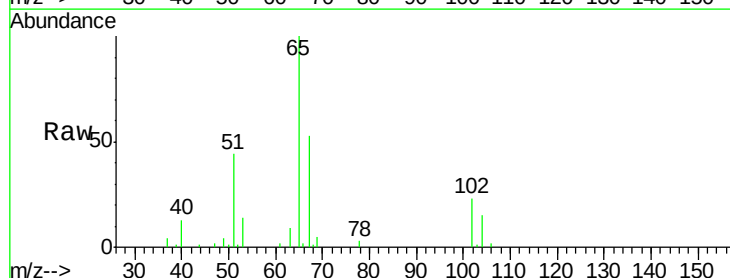


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

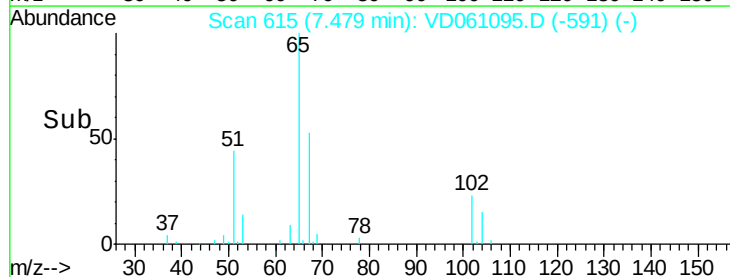
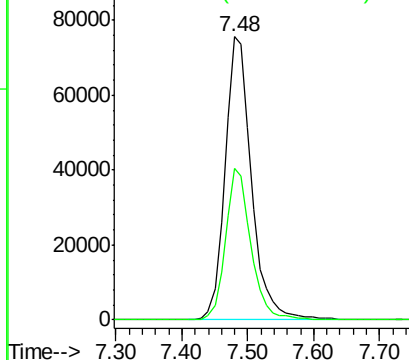


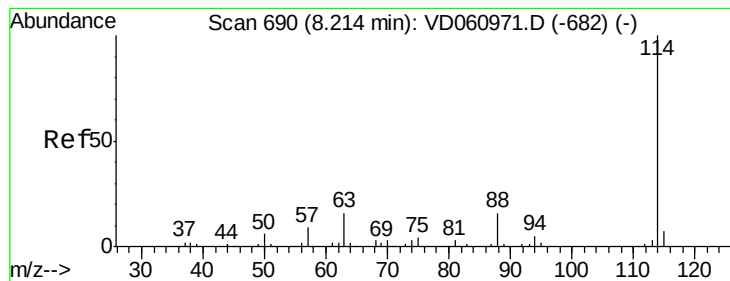
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.48 min Scan# 615
Delta R.T. 0.03 min
Lab File: VD061095.D
Acq: 15 Mar 2019 19:07

Tgt Ion: 65 Resp: 211559
Ion Ratio Lower Upper
65 100
67 53.3 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: 8.25 min Scan# 693

Delta R.T. 0.03 min

Lab File: VD061095.D

Acq: 15 Mar 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

93-94

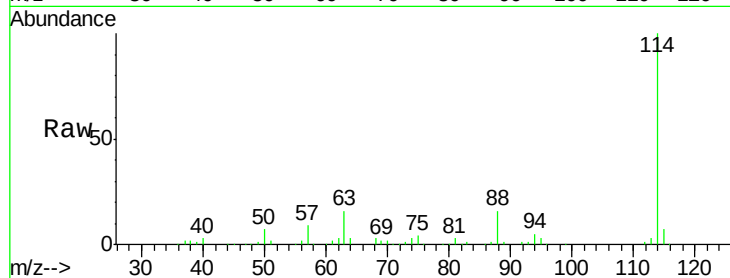
Tot Ion:114 Resp: 883604

Ion Ratio Lower Upper

114 100

63 16.4 0.0 31.4

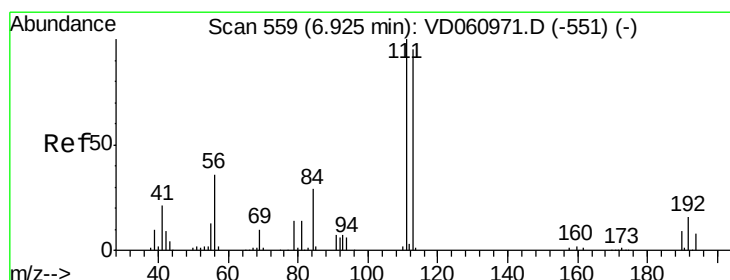
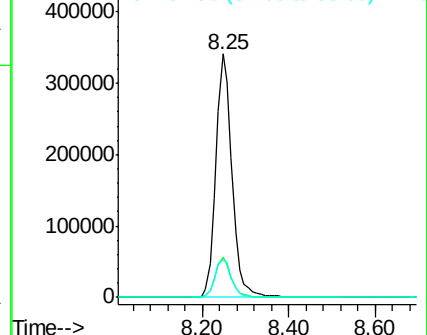
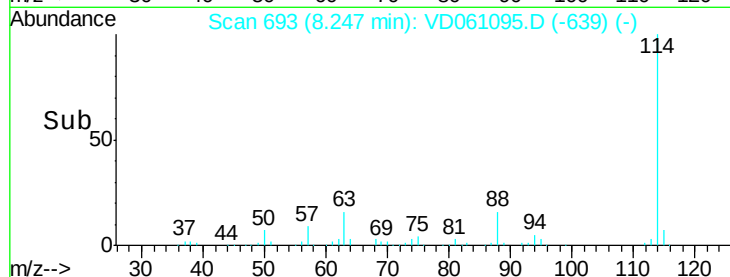
88 15.5 0.0 33.0



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: 6.96 min Scan# 562

Delta R.T. 0.03 min

Lab File: VD061095.D

Acq: 15 Mar 2019 19:07

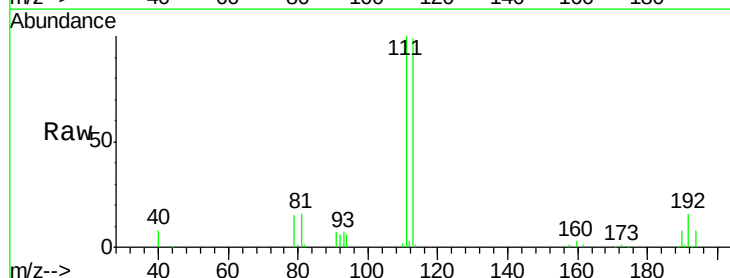
Tgt Ion:113 Resp: 338268

Ion Ratio Lower Upper

113 100

111 101.1 84.2 126.4

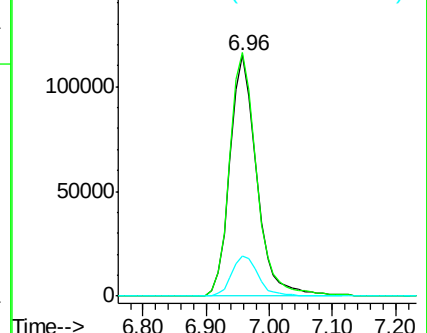
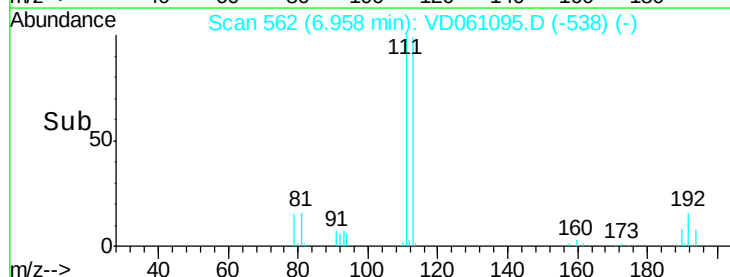
192 16.6 13.1 19.7

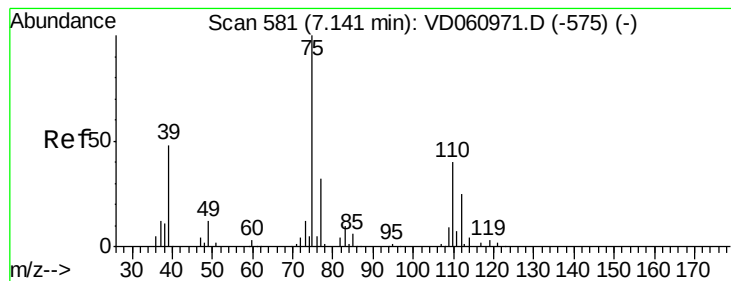


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 4.598 ug/l

RT: 7.08 min Scan# 574

Delta R.T. -0.07 min

Lab File: VD061095.D

Acq: 15 Mar 2019 19:07

Instrument :

MSVOA_D

ClientSampled :

93-94

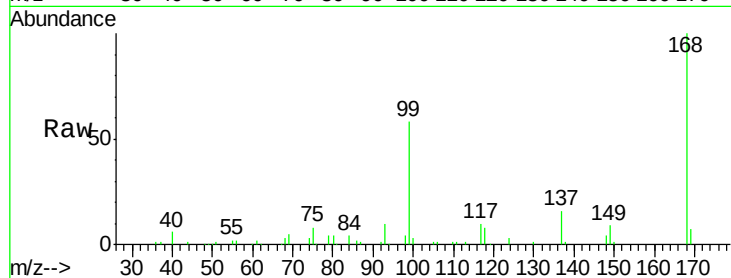
Tot Ion: 75 Resp: 35018

Ion Ratio Lower Upper

75 100

110 7.2 19.7 59.1#

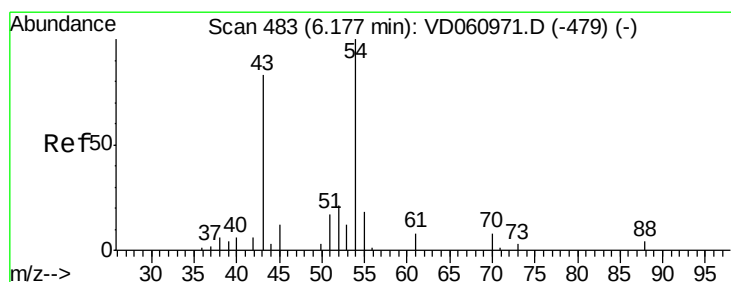
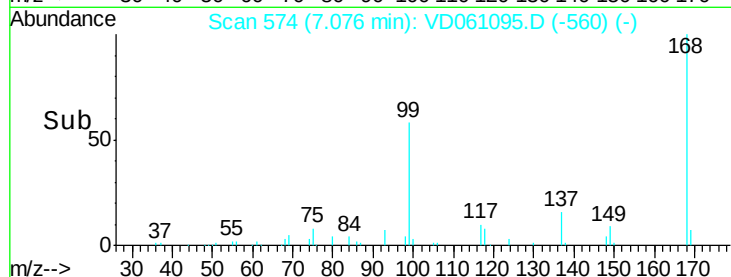
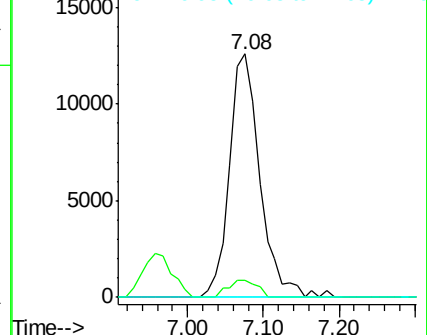
77 0.0 24.7 37.1#



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: 1.633 ug/l

RT: 6.10 min Scan# 475

Delta R.T. -0.08 min

Lab File: VD061095.D

Acq: 15 Mar 2019 19:07

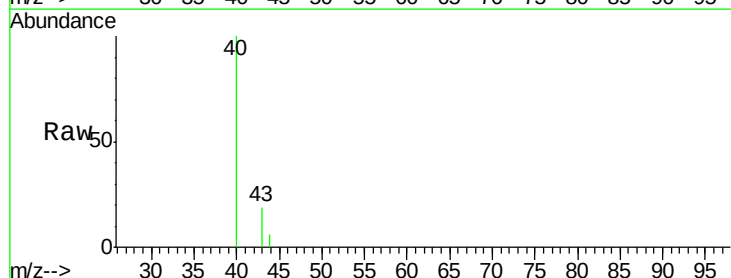
Tgt Ion: 43 Resp: 5836

Ion Ratio Lower Upper

43 100

61 0.0 13.7 20.5#

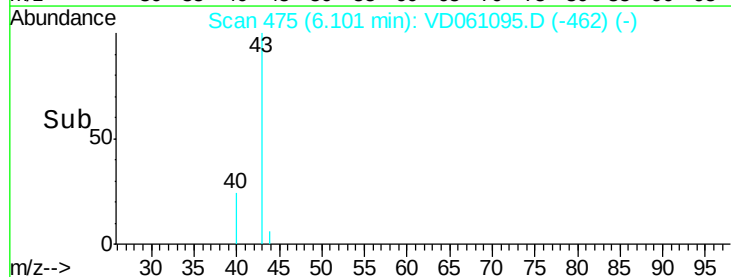
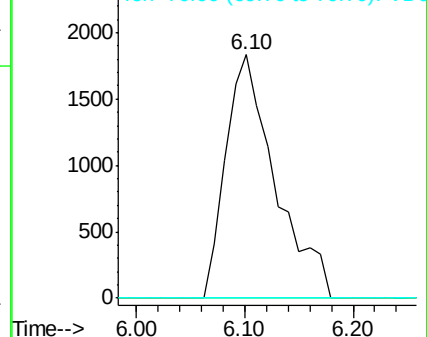
70 0.0 7.1 10.7#

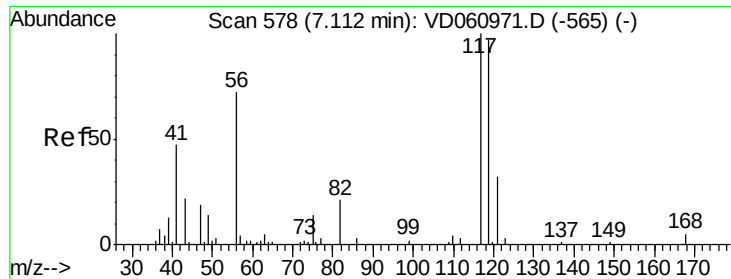


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.356 ug/l

RT: 7.08 min Scan# 574

Delta R.T. -0.04 min

Lab File: VD061095.D

Acq: 15 Mar 2019 19:07

Instrument :

MSVOA_D

ClientSampled :

93-94

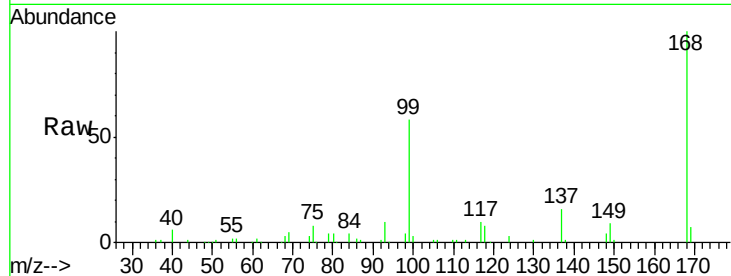
Tot Ion:117 Resp: 44939

Ion Ratio Lower Upper

117 100

119 4.8 77.8 116.8#

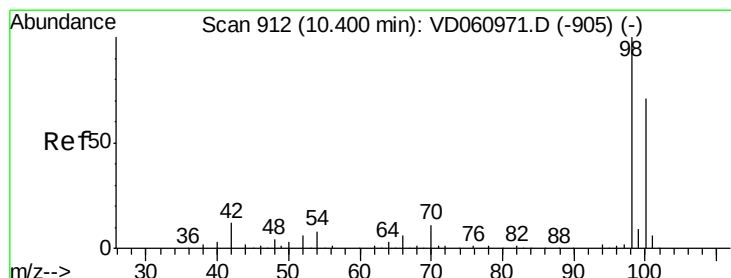
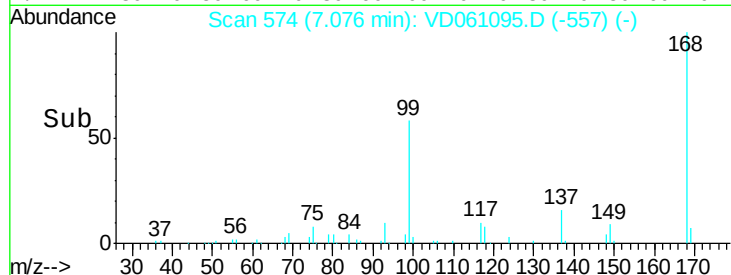
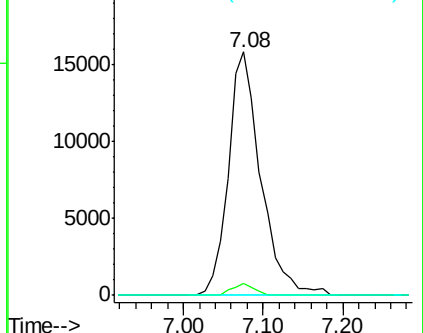
121 0.0 25.3 37.9#



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: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD061095.D

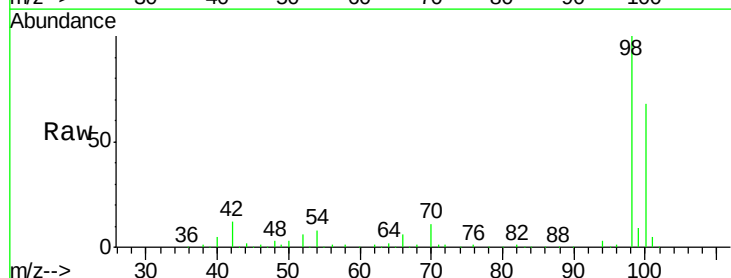
Acq: 15 Mar 2019 19:07

Tgt Ion: 98 Resp: 815128

Ion Ratio Lower Upper

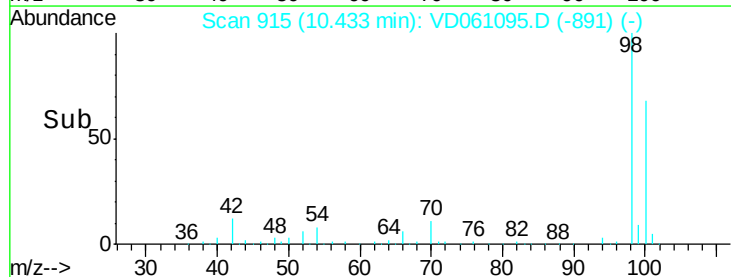
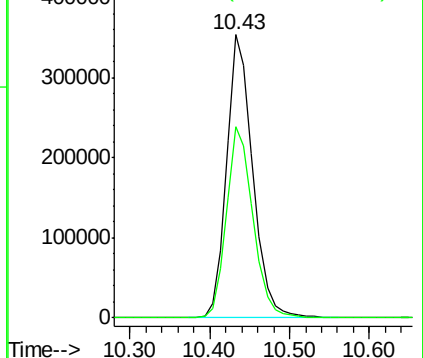
98 100

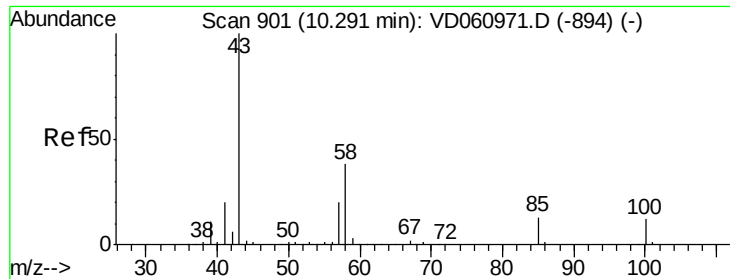
100 67.6 57.4 86.2



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: 1.004 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.14 min

Lab File: VD061095.D

Acq: 15 Mar 2019 19:07

Instrument :

MSVOA_D

ClientSampleID :

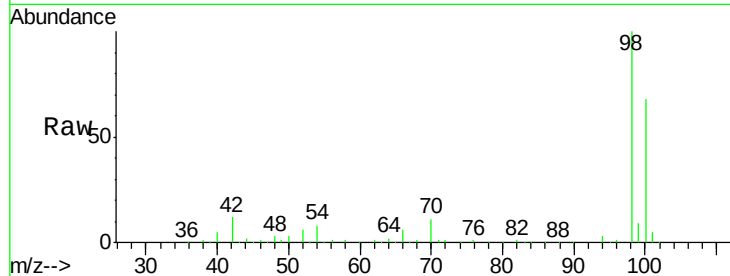
93-94

Tot Ion: 43 Resp: 3044

Ion Ratio Lower Upper

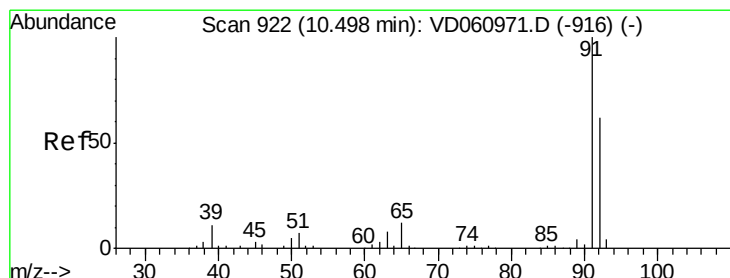
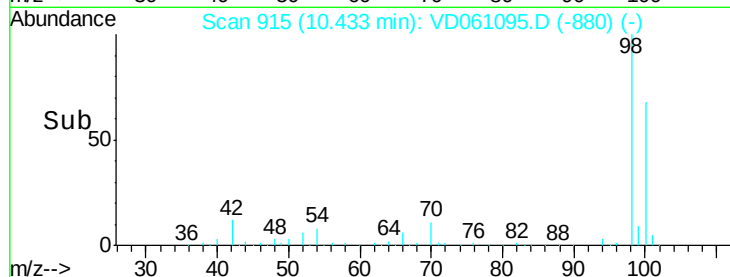
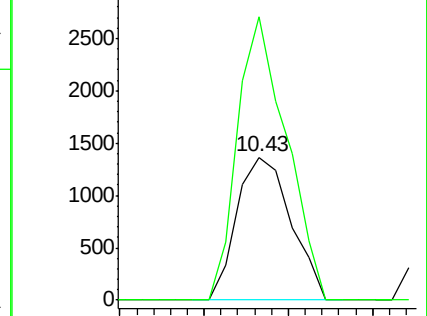
43 100

58 197.9 30.2 45.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 5.163 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD061095.D

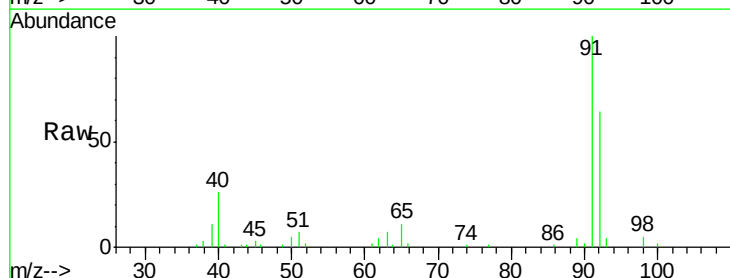
Acq: 15 Mar 2019 19:07

Tgt Ion: 92 Resp: 61106

Ion Ratio Lower Upper

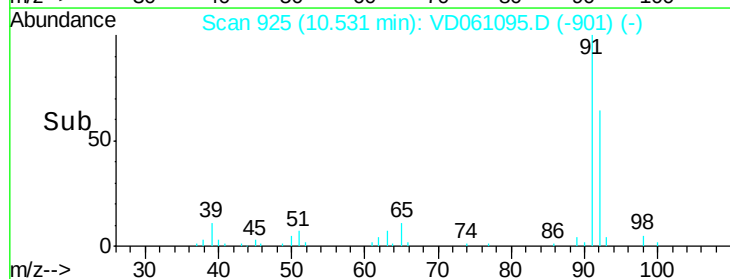
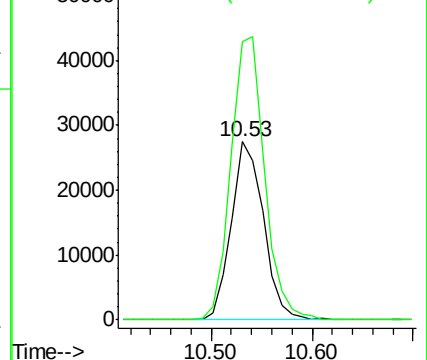
92 100

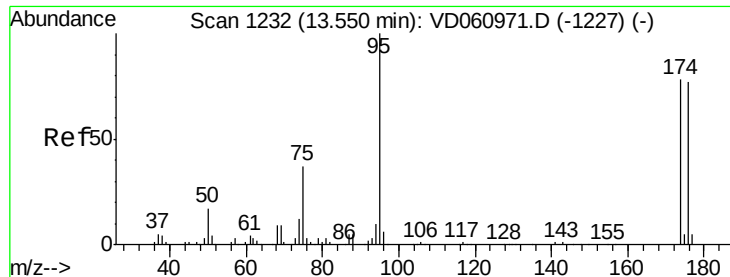
91 156.4 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

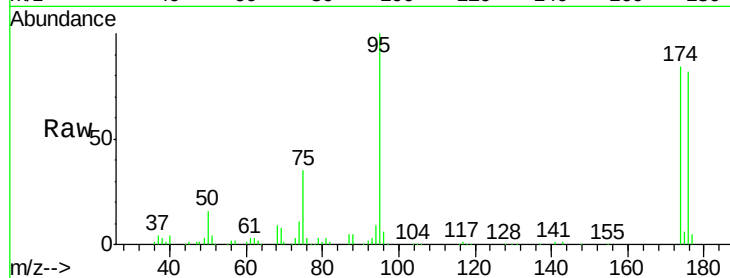




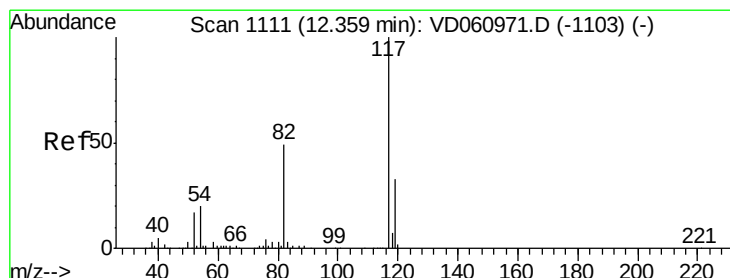
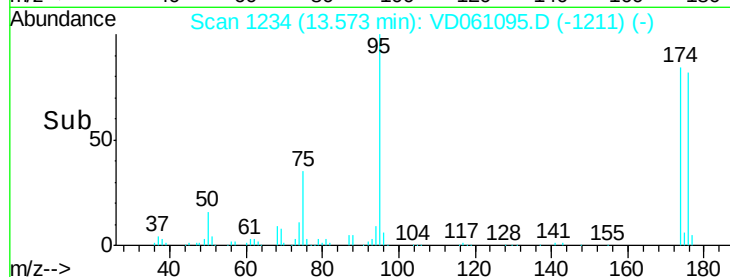
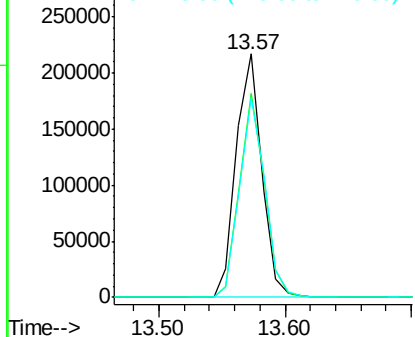
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.57 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VD061095.D
Acq: 15 Mar 2019 19:07

Instrument :
MSVOA_D
ClientSampled :
93-94

Tot Ion: 95 Resp: 303119
Ion Ratio Lower Upper
95 100
174 83.9 0.0 155.6
176 82.3 0.0 153.8

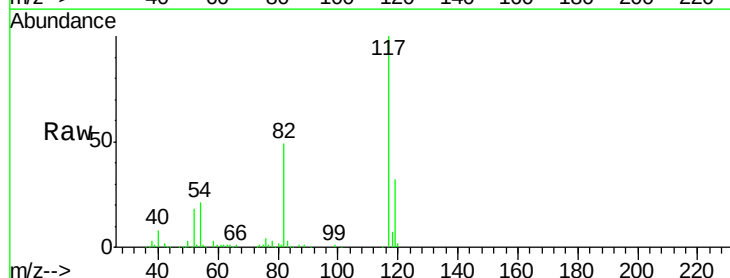


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

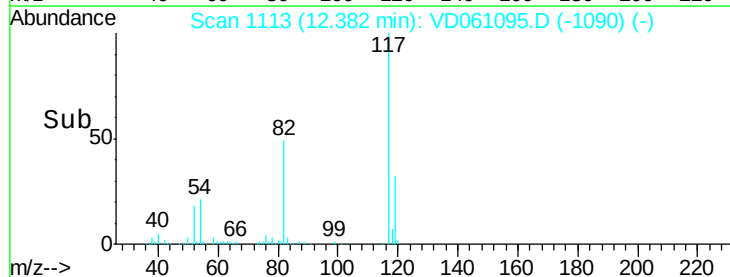
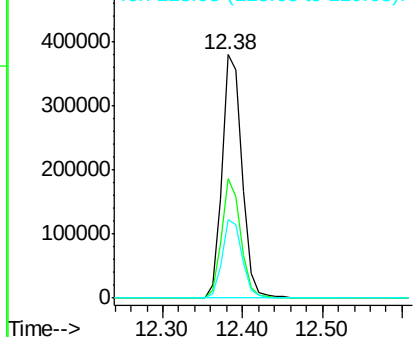


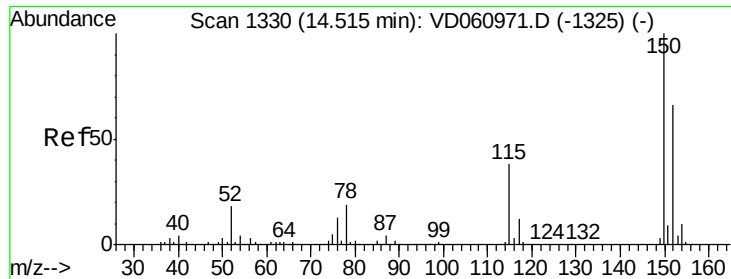
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061095.D
Acq: 15 Mar 2019 19:07

Tgt Ion: 117 Resp: 673769
Ion Ratio Lower Upper
117 100
82 49.2 38.9 58.3
119 32.4 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



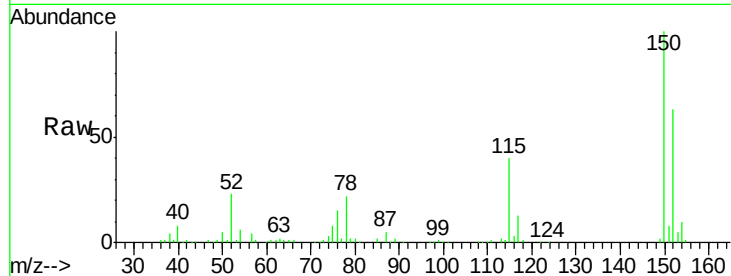


#72

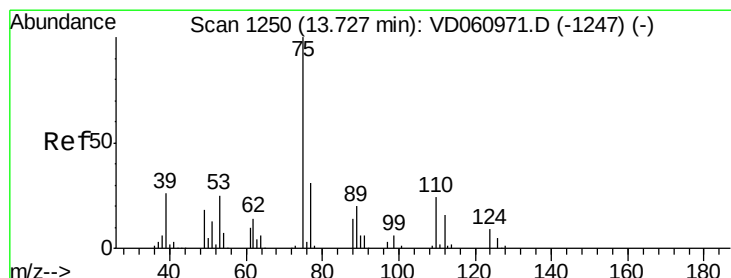
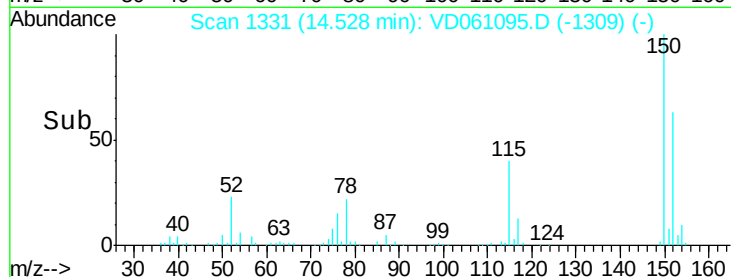
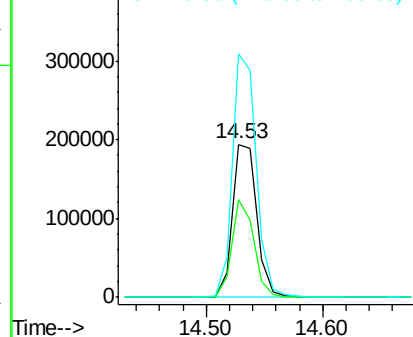
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061095.D
Acq: 15 Mar 2019 19:07

Instrument :
MSVOA_D
ClientSampleId :
93-94

Tot Ion:152 Resp: 280497
Ion Ratio Lower Upper
152 100
115 63.7 28.6 85.9
150 158.9 0.0 310.6



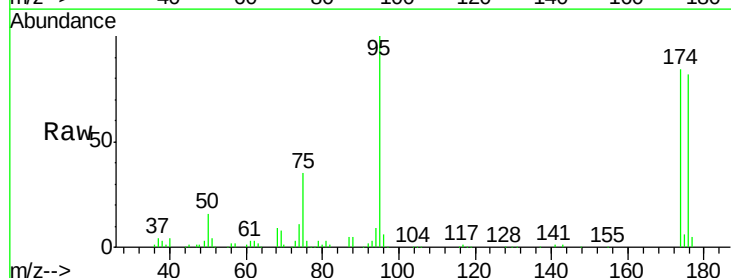
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



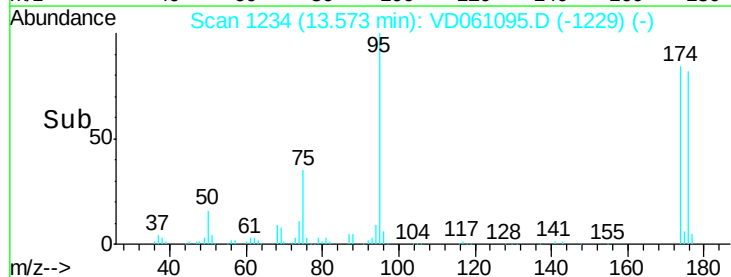
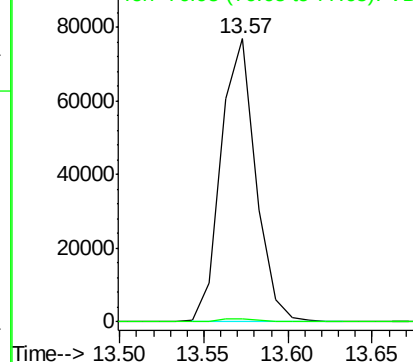
#76

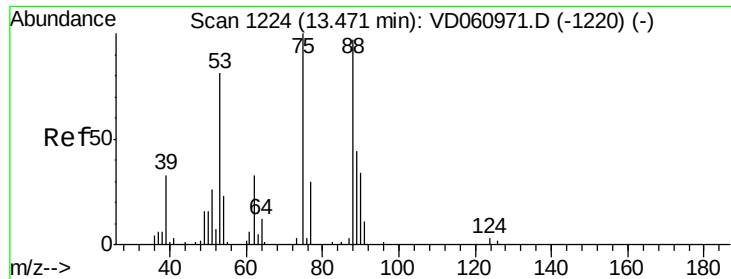
1,2,3-Trichloropropane
Concen: 27.224 ug/l
RT: 13.57 min Scan# 1234
Delta R.T. -0.15 min
Lab File: VD061095.D
Acq: 15 Mar 2019 19:07

Tgt Ion: 75 Resp: 109863
Ion Ratio Lower Upper
75 100
77 1.1 16.6 49.7#



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: 92.563 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD061095.D

Acq: 15 Mar 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

93-94

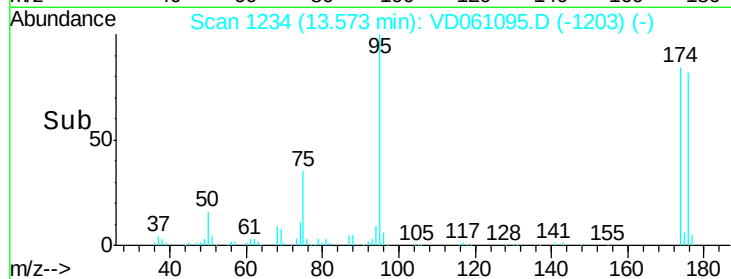
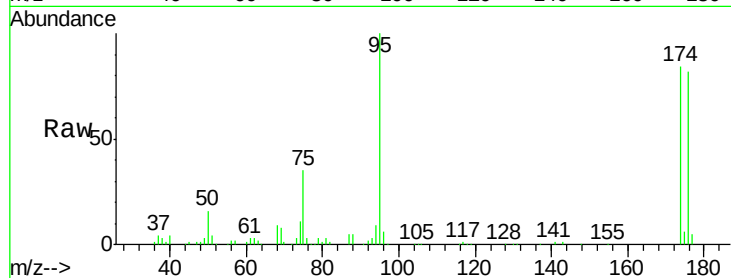
Tot Ion: 75 Resp: 110126

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

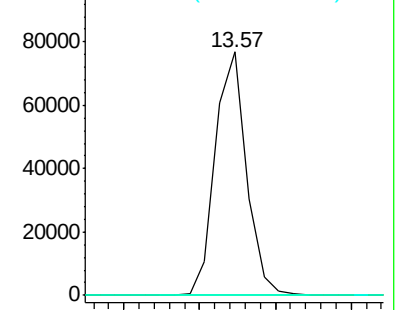
89 0.0 34.8 52.2#



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



Time-->