

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031519\
 Data File : VD061099.D
 Acq On : 15 Mar 2019 21:03
 Operator : VA/AP
 Sample : K1933-05
 Misc : 5.10g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-5

Quant Time: Mar 16 05:45:24 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	7.07	168	492666	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.25	114	801826	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	535197	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	187474	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	167168	40.76	ug/l	0.03
Spiked Amount 50.000			Recovery	=	81.52%	
35) Dibromofluoromethane	6.96	113	280428	47.13	ug/l	0.03
Spiked Amount 50.000			Recovery	=	94.26%	
50) Toluene-d8	10.43	98	652569	43.67	ug/l	0.03
Spiked Amount 50.000			Recovery	=	87.34%	
62) 4-Bromofluorobenzene	13.57	95	185684	32.02	ug/l	0.02
Spiked Amount 50.000			Recovery	=	64.04%	

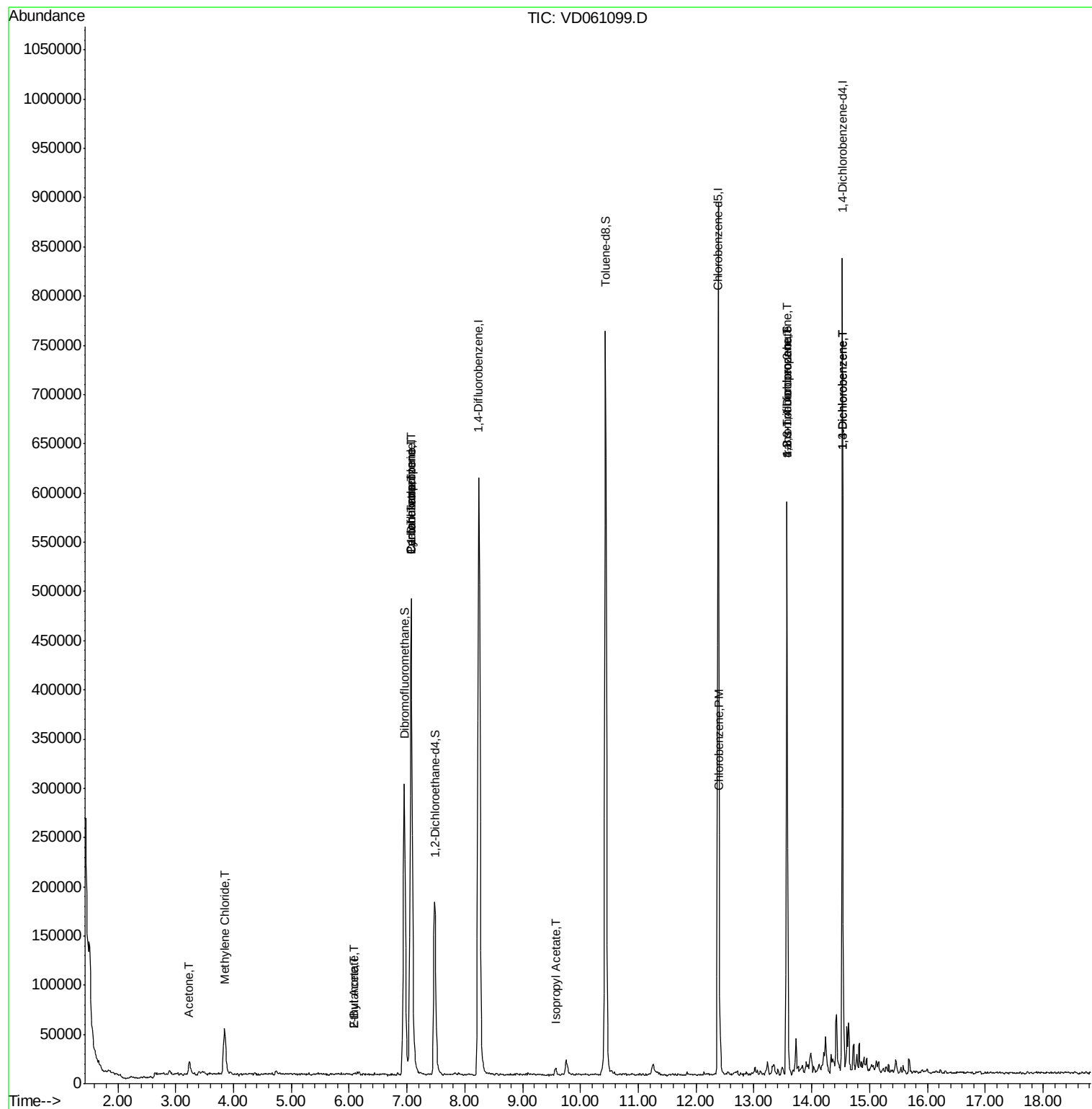
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.20	94	389	Below Cal	#	8
16) Acetone	3.23	43	24657	21.026	ug/l	94
20) Methylene Chloride	3.85	84	37145	2.518	ug/l	94
25) 2-Butanone	6.09	43	3922	2.947	ug/l #	55
31) Cyclohexane	7.07	56	7329	1.010	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	35448	5.129	ug/l #	45
37) Ethyl Acetate	6.09	43	3922	1.209	ug/l #	66
38) Carbon Tetrachloride	7.07	117	46356	6.089	ug/l #	14
43) Isopropyl Acetate	9.57	43	5412	1.205	ug/l #	43
65) Chlorobenzene	12.41	112	18624	1.775	ug/l	92
76) 1,2,3-Trichloropropane	13.57	75	60506	22.433	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.57	75	67395	84.755	ug/l #	17
87) 1,3-Dichlorobenzene	14.55	146	15713	2.551	ug/l	92
88) 1,4-Dichlorobenzene	14.55	146	15713	2.596	ug/l	92

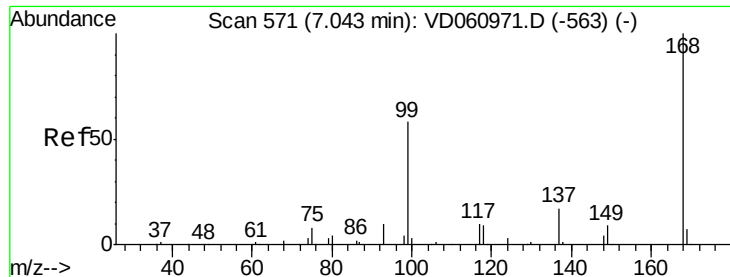
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031519\
Data File : VD061099.D
Acq On : 15 Mar 2019 21:03
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Quant Time: Mar 16 05:45:24 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: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD061099.D

Acq: 15 Mar 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

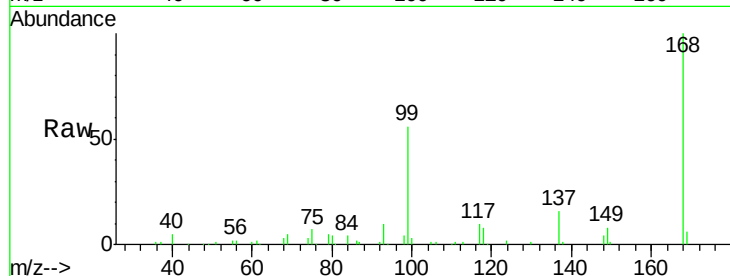
S-5

Tot Ion:168 Resp: 492666

Ion Ratio Lower Upper

168 100

99 55.6 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

200000

150000

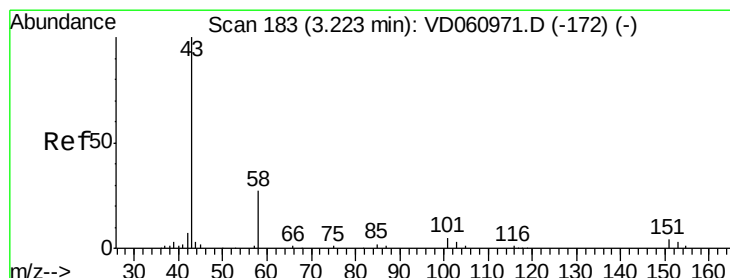
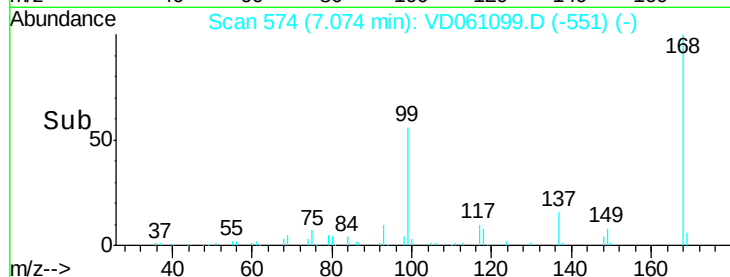
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 21.026 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD061099.D

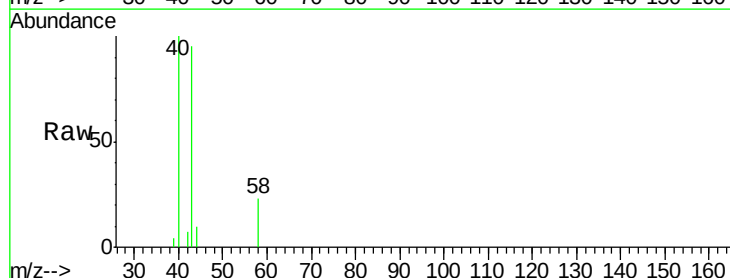
Acq: 15 Mar 2019 21:03

Tgt Ion: 43 Resp: 24657

Ion Ratio Lower Upper

43 100

58 23.9 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

10000

8000

6000

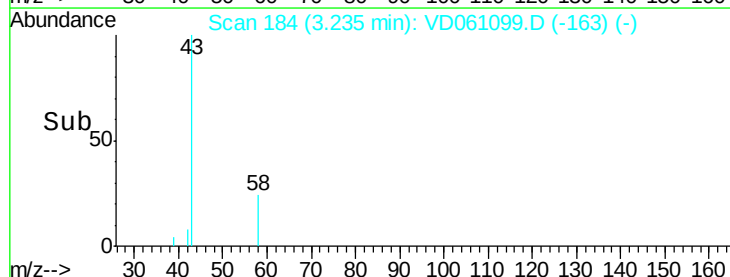
4000

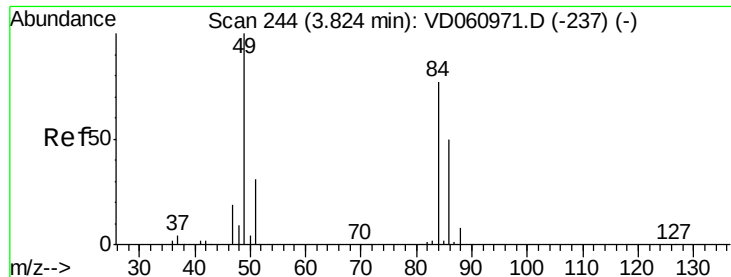
2000

0

3.20 3.30 3.40

Time-->

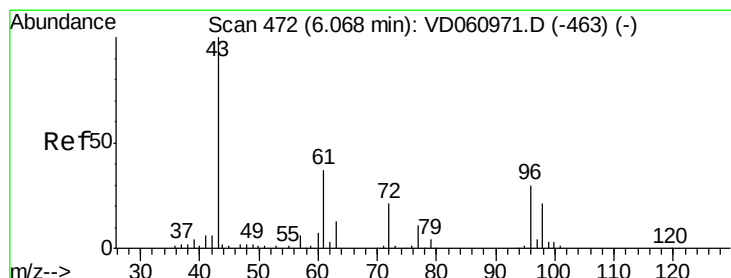
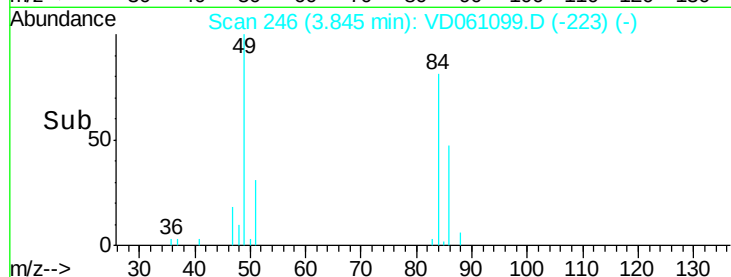
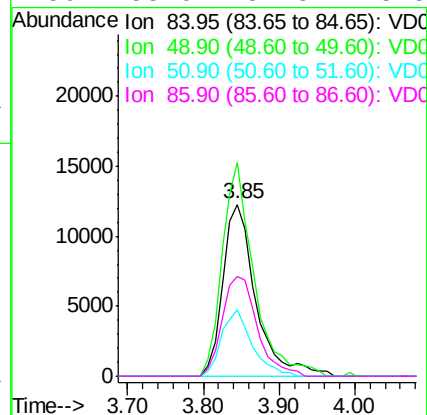
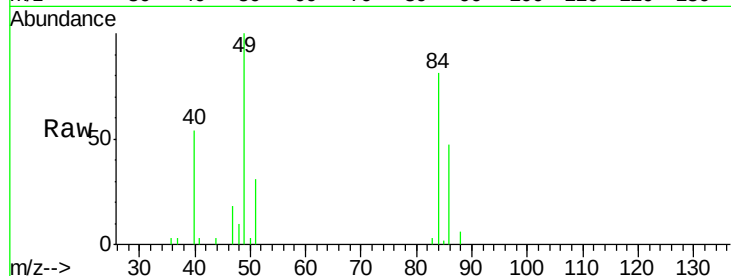




#20
Methylene Chloride
Concen: 2.518 ug/l
RT: 3.85 min Scan# 246
Delta R.T. 0.02 min
Lab File: VD061099.D
Acq: 15 Mar 2019 21:03

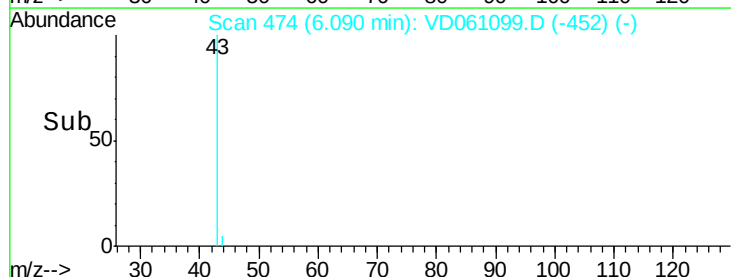
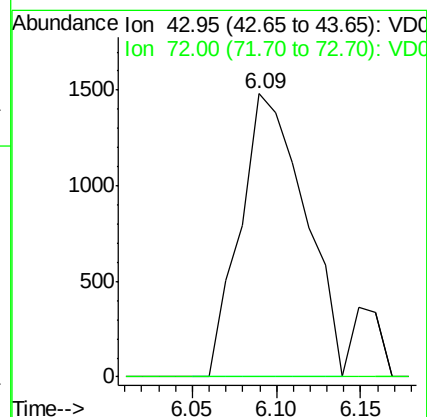
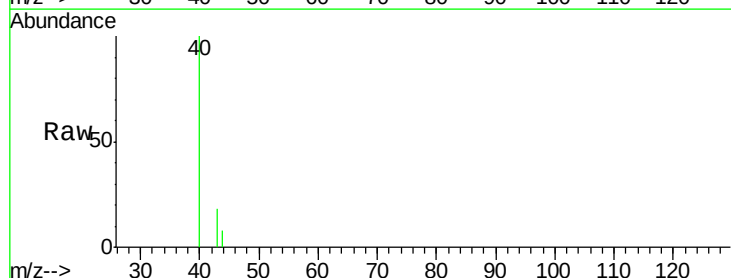
Instrument :
MSVOA_D
ClientSampleId :
S-5

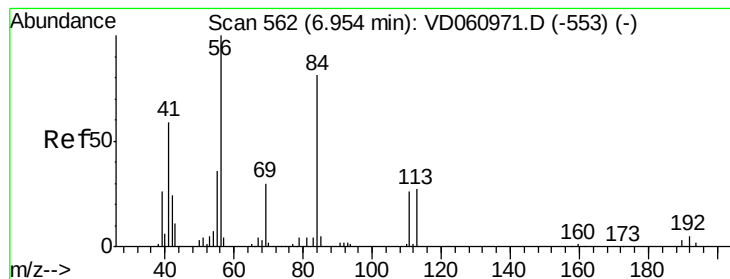
Tot Ion:	84	Resp:	37145
Ion	Ratio	Lower	Upper
84	100		
49	124.2	104.2	156.2
51	38.9	32.3	48.5
86	58.0	52.3	78.5



#25
2-Butanone
Concen: 2.947 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.02 min
Lab File: VD061099.D
Acq: 15 Mar 2019 21:03

Tgt Ion:	43	Resp:	3922
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.7	25.1#





#31

Cyclohexane

Concen: 1.010 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.12 min

Lab File: VD061099.D

Acq: 15 Mar 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

S-5

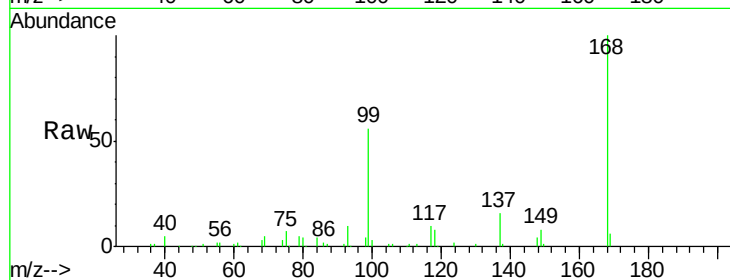
Tot Ion: 56 Resp: 7329

Ion Ratio Lower Upper

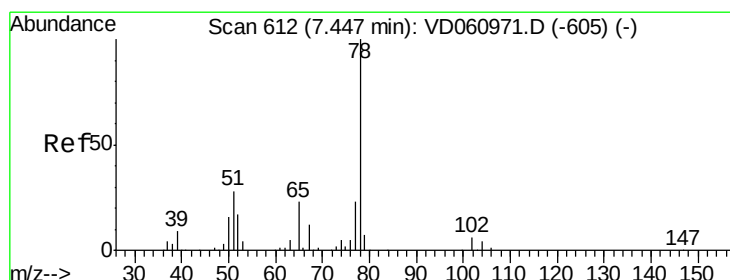
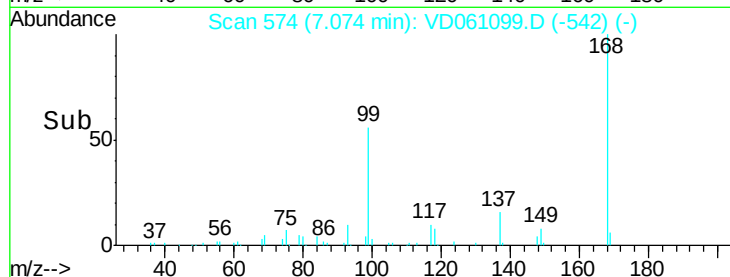
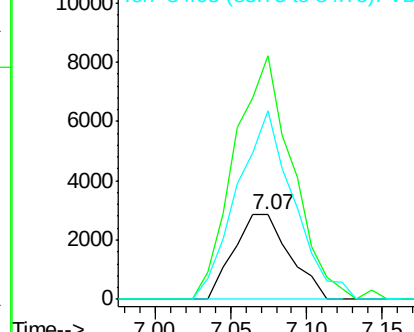
56 100

69 287.6 24.0 36.0#

84 222.4 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: 7.48 min Scan# 615

Delta R.T. 0.03 min

Lab File: VD061099.D

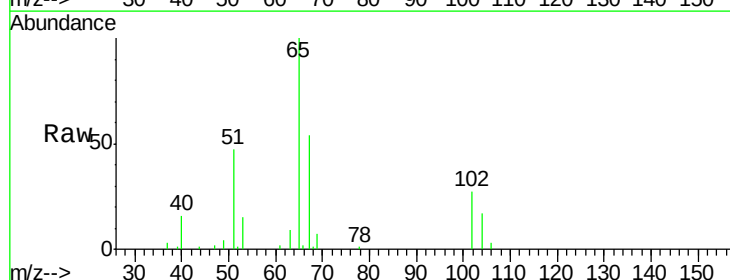
Acq: 15 Mar 2019 21:03

Tgt Ion: 65 Resp: 167168

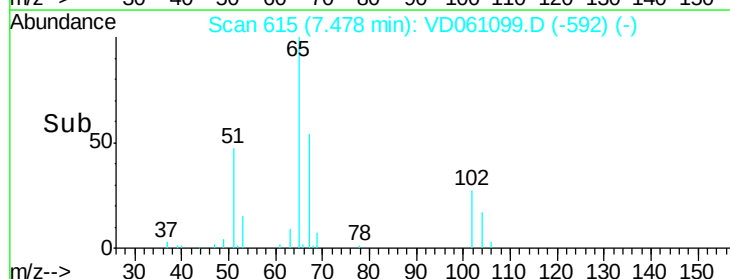
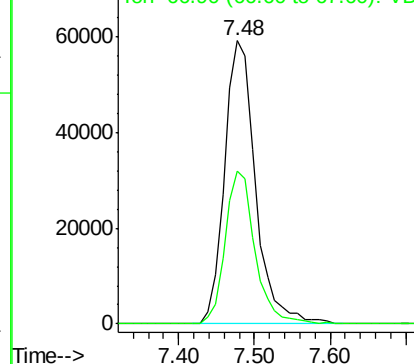
Ion Ratio Lower Upper

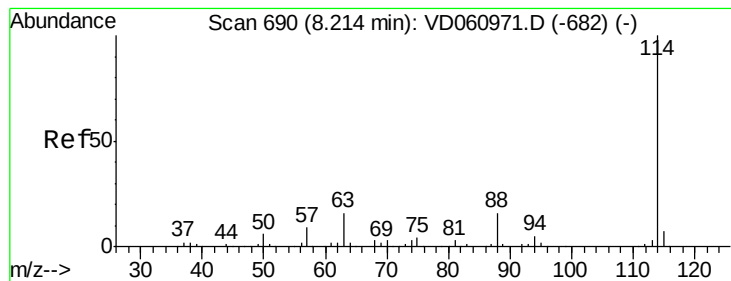
65 100

67 54.0 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: 8.25 min Scan# 693

Delta R.T. 0.03 min

Lab File: VD061099.D

Acq: 15 Mar 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

S-5

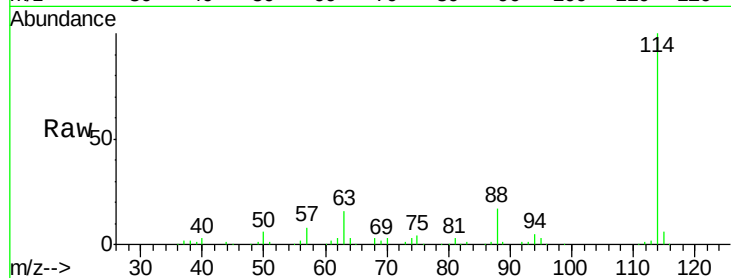
Tot Ion:114 Resp: 801826

Ion Ratio Lower Upper

114 100

63 16.2 0.0 31.4

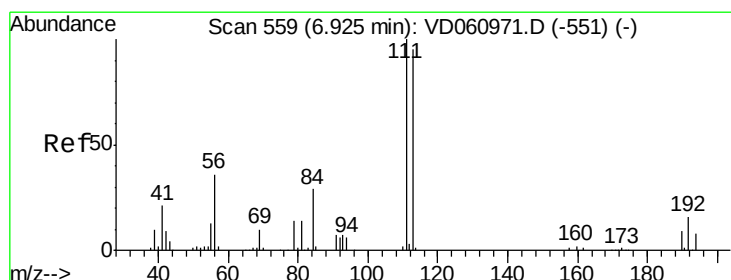
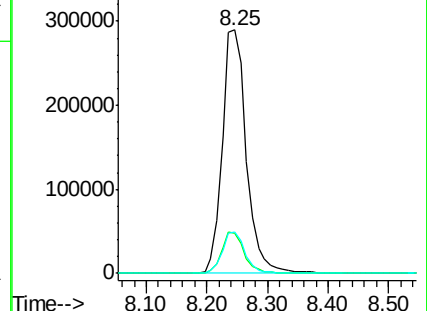
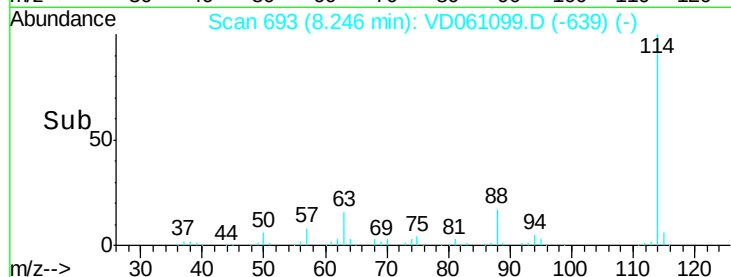
88 16.8 0.0 33.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): 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: VD061099.D

Acq: 15 Mar 2019 21:03

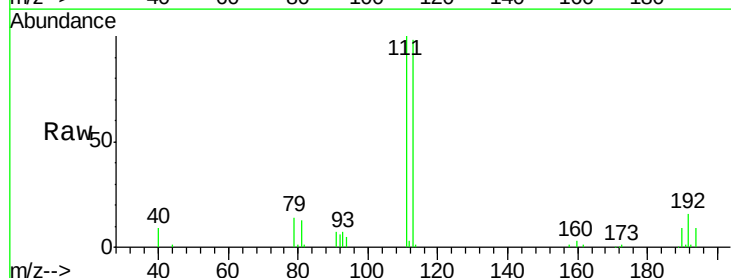
Tgt Ion:113 Resp: 280428

Ion Ratio Lower Upper

113 100

111 101.5 84.2 126.4

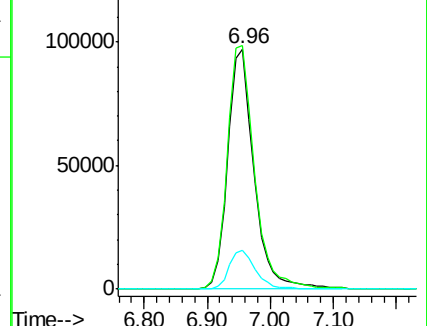
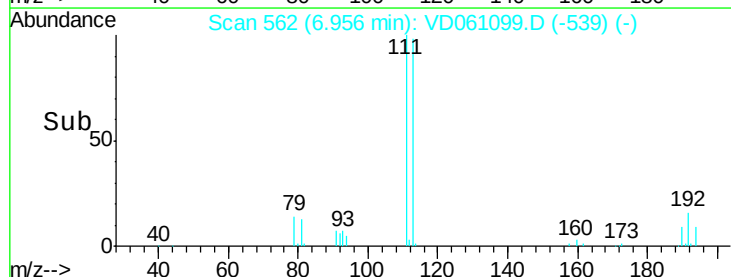
192 16.1 13.1 19.7

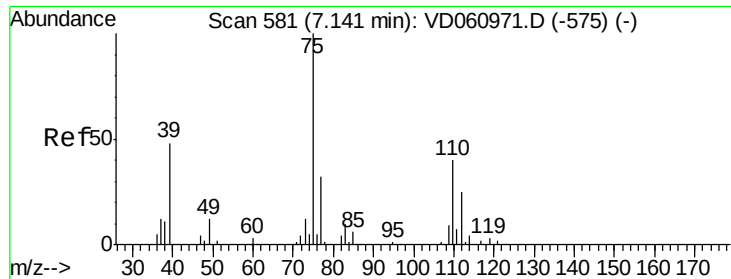


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

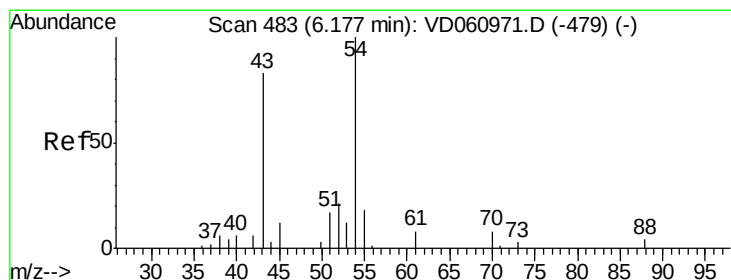
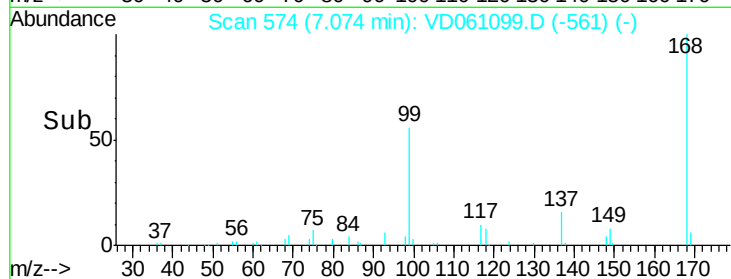
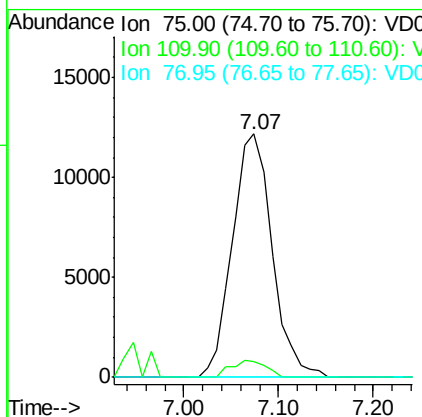
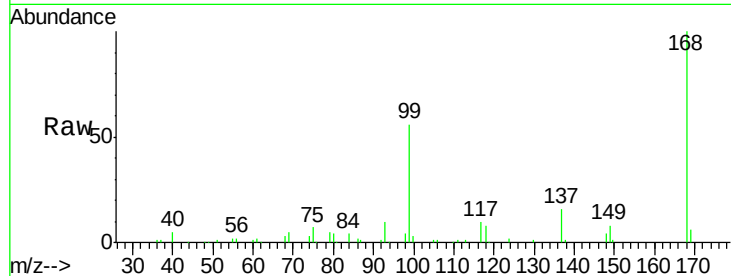




#36
 1,1-Dichloropropene
 Concen: 5.129 ug/l
 RT: 7.07 min Scan# 574
 Delta R.T. -0.07 min
 Lab File: VD061099.D
 Acq: 15 Mar 2019 21:03

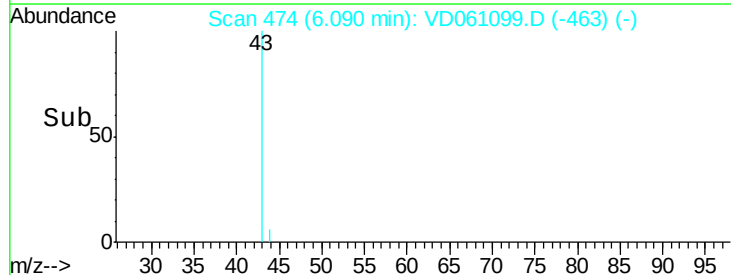
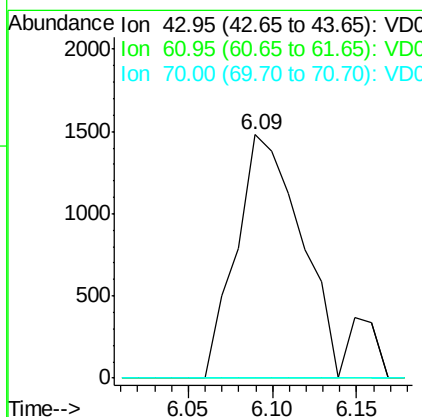
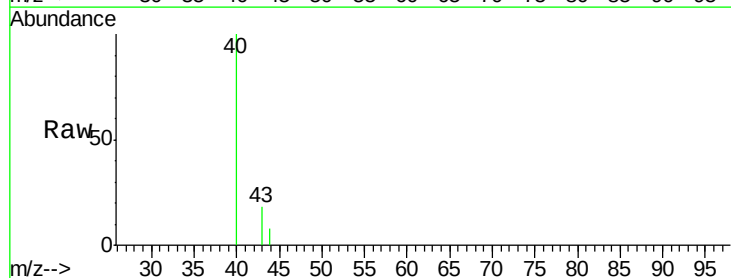
Instrument :
 MSVOA_D
 ClientSampleId :
 S-5

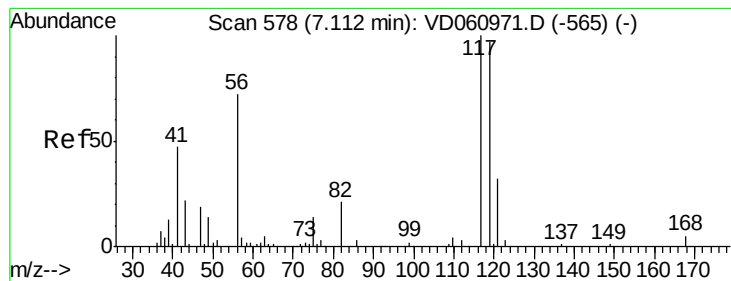
Tot Ion: 75 Resp: 35448
 Ion Ratio Lower Upper
 75 100
 110 6.4 19.7 59.1#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 1.209 ug/l
 RT: 6.09 min Scan# 474
 Delta R.T. -0.09 min
 Lab File: VD061099.D
 Acq: 15 Mar 2019 21:03

Tgt Ion: 43 Resp: 3922
 Ion Ratio Lower Upper
 43 100
 61 0.0 13.7 20.5#
 70 0.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 6.089 ug/l

RT: 7.07 min Scan# 574

Delta R.T. -0.04 min

Lab File: VD061099.D

Acq: 15 Mar 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

S-5

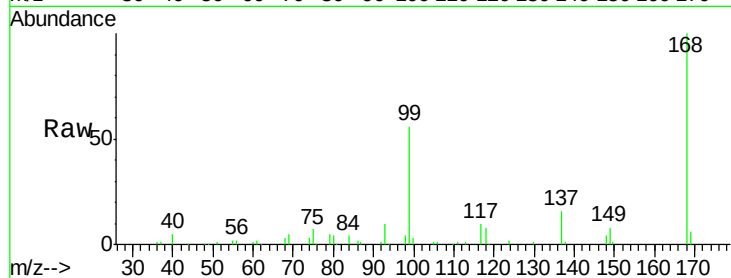
Tot Ion:117 Resp: 46356

Ion Ratio Lower Upper

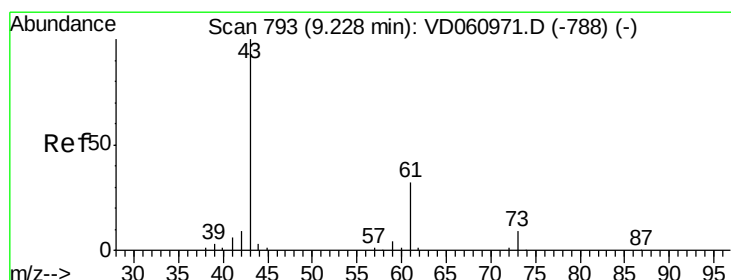
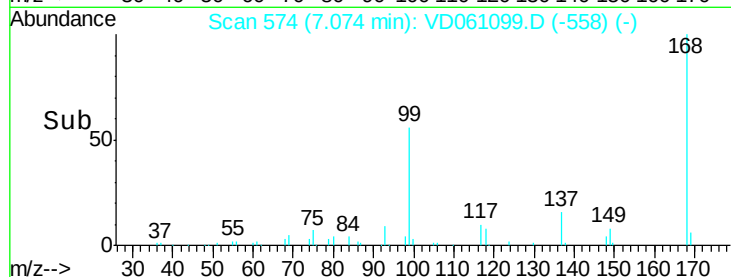
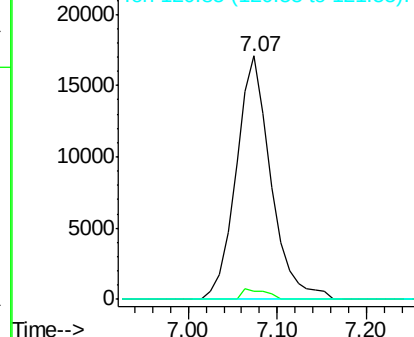
117 100

119 3.5 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



#43

Isopropyl Acetate

Concen: 1.205 ug/l

RT: 9.57 min Scan# 828

Delta R.T. 0.35 min

Lab File: VD061099.D

Acq: 15 Mar 2019 21:03

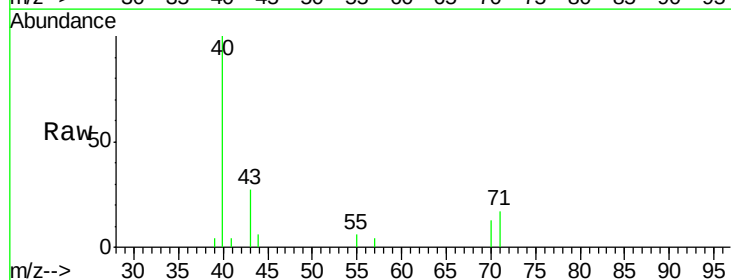
Tgt Ion: 43 Resp: 5412

Ion Ratio Lower Upper

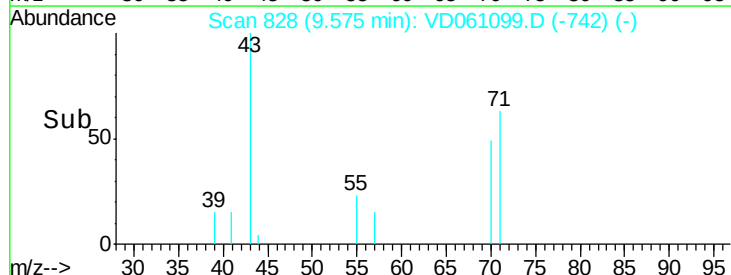
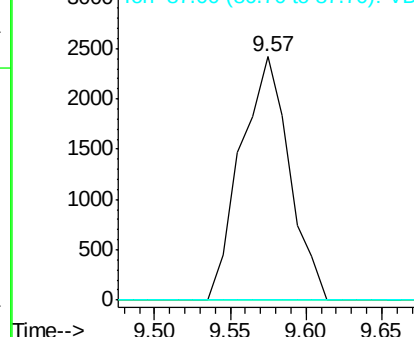
43 100

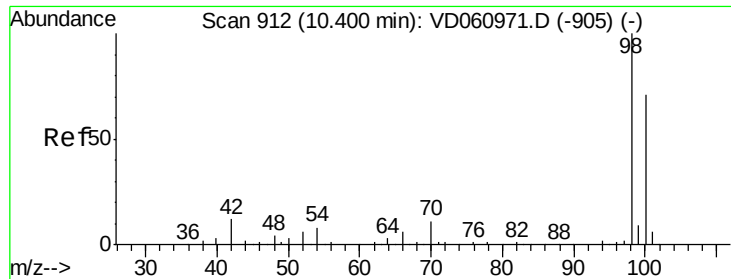
61 0.0 25.6 38.4#

87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

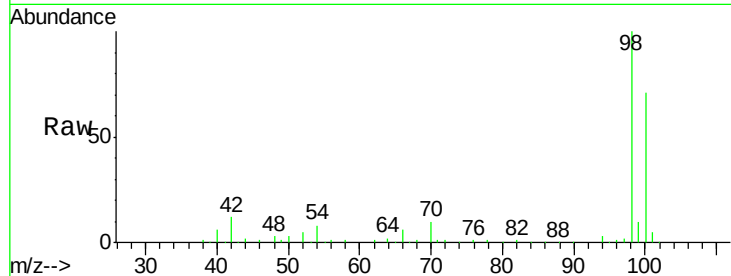




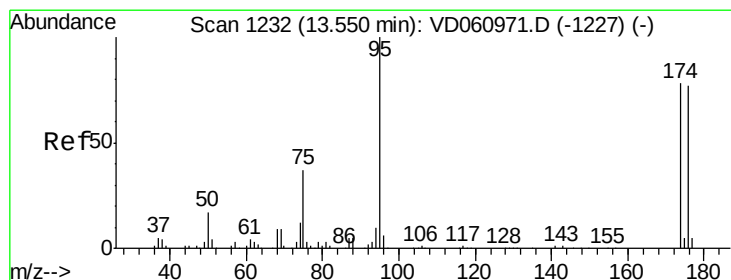
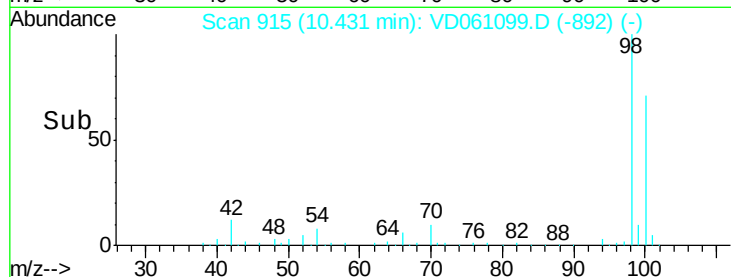
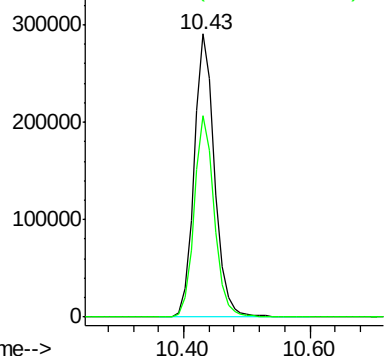
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD061099.D
Acq: 15 Mar 2019 21:03

Instrument :
MSVOA_D
ClientSampleId :
S-5

Tot Ion: 98 Resp: 652569
Ion Ratio Lower Upper
98 100
100 71.2 57.4 86.2

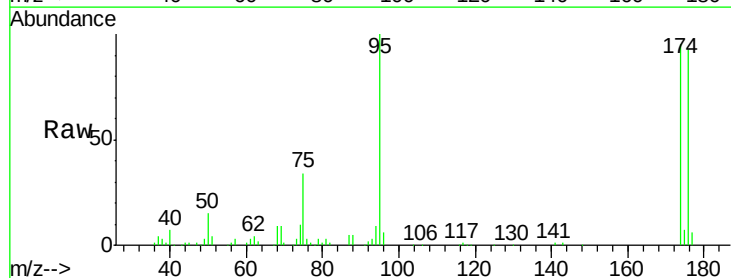


Abundance Ion 98.05 (97.75 to 98.75): VD060971.D (-905) (-)
Ion 100.05 (99.75 to 100.75): VD060971.D (-905) (-)

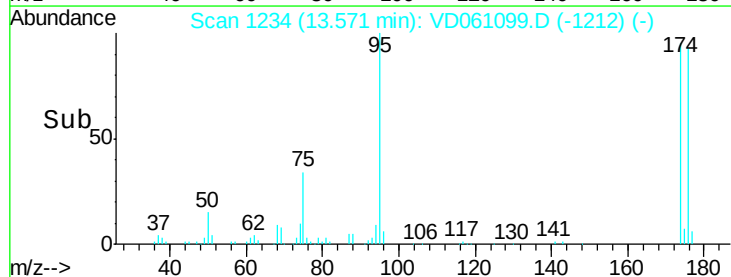
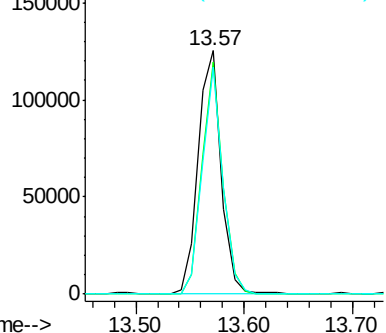


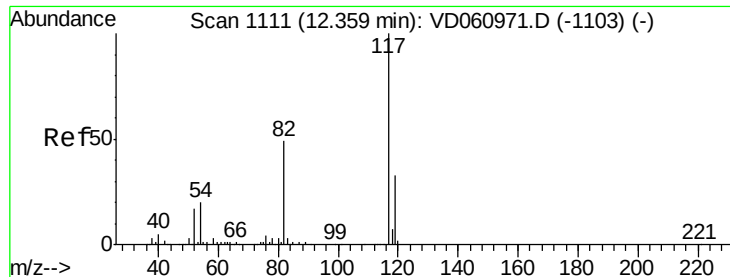
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.57 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VD061099.D
Acq: 15 Mar 2019 21:03

Tgt Ion: 95 Resp: 185684
Ion Ratio Lower Upper
95 100
174 95.2 0.0 155.6
176 93.5 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VD060971.D (-1227) (-)
Ion 173.90 (173.60 to 174.60): VD060971.D (-1227) (-)
Ion 175.90 (175.60 to 176.60): VD060971.D (-1227) (-)

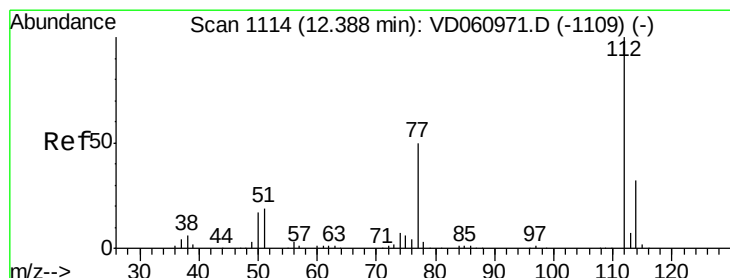
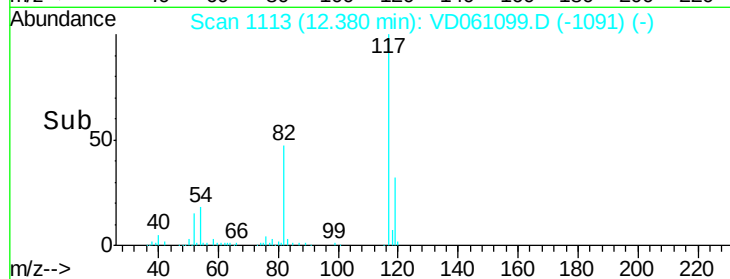
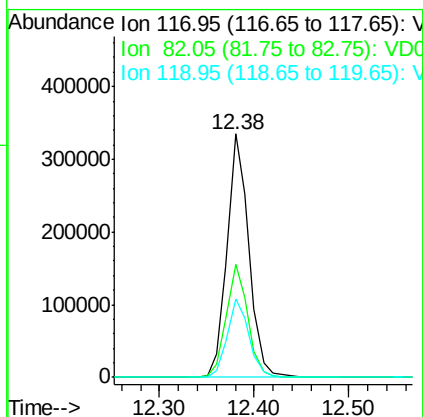
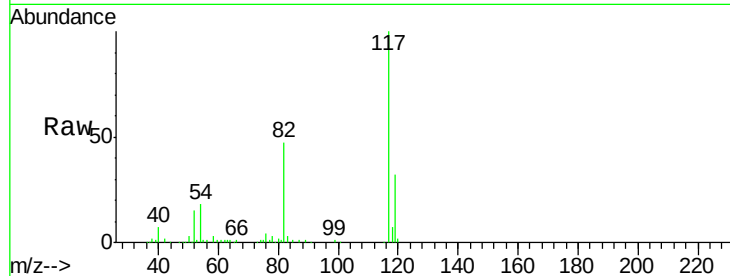




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061099.D
Acq: 15 Mar 2019 21:03

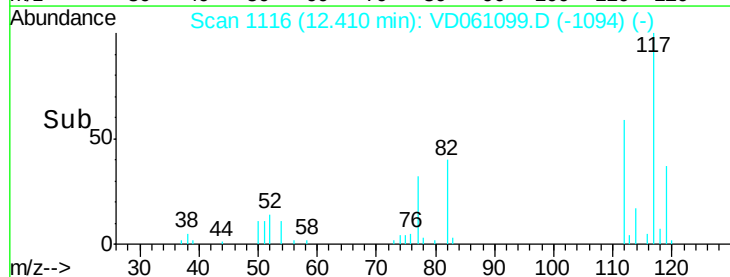
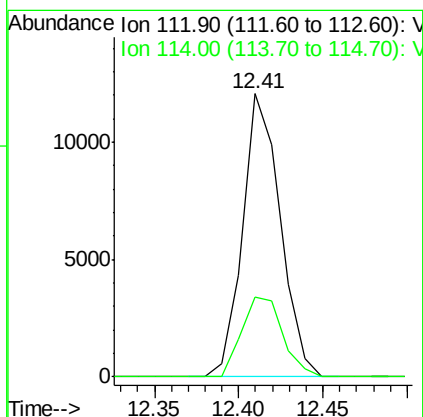
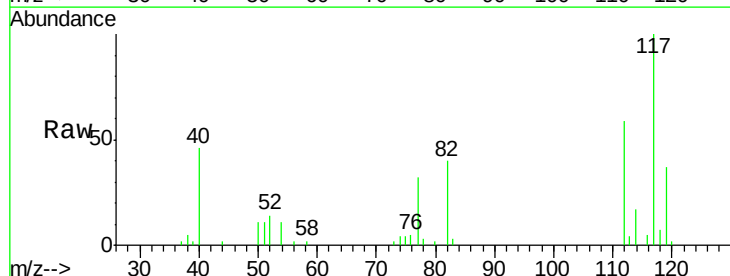
Instrument :
MSVOA_D
ClientSampleId :
S-5

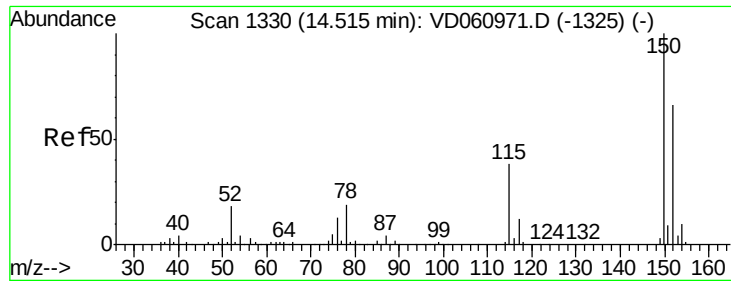
Tot Ion:117 Resp: 535197
Ion Ratio Lower Upper
117 100
82 46.5 38.9 58.3
119 32.4 26.6 39.8



#65
Chlorobenzene
Concen: 1.775 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD061099.D
Acq: 15 Mar 2019 21:03

Tgt Ion:112 Resp: 18624
Ion Ratio Lower Upper
112 100
114 28.3 26.0 39.0



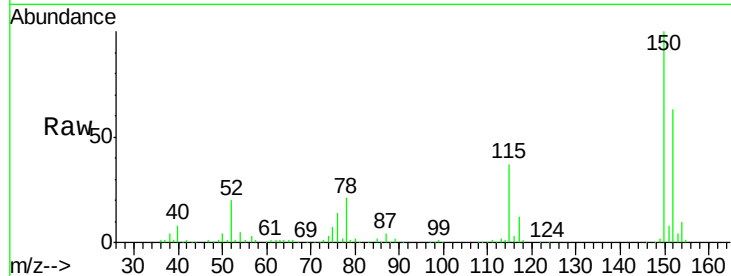


#72

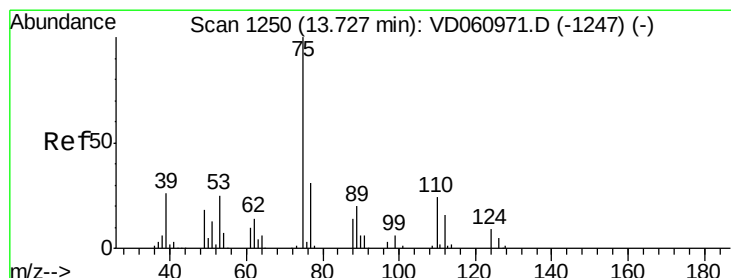
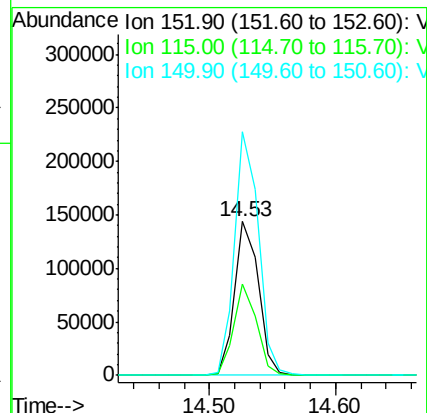
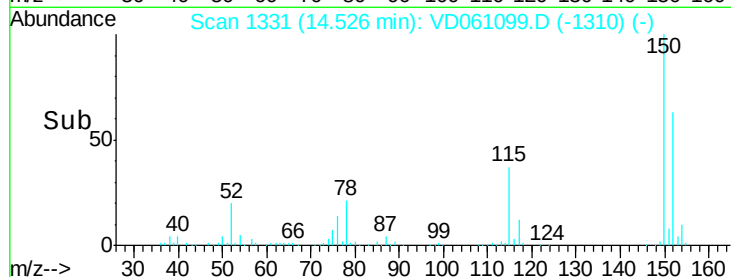
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061099.D
Acq: 15 Mar 2019 21:03

Instrument :
MSVOA_D
ClientSampled :
S-5

Tot Ion:152 Resp: 187474
Ion Ratio Lower Upper
152 100
115 59.1 28.6 85.9
150 158.2 0.0 310.6



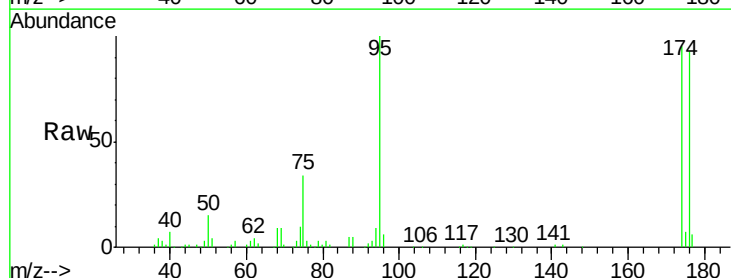
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



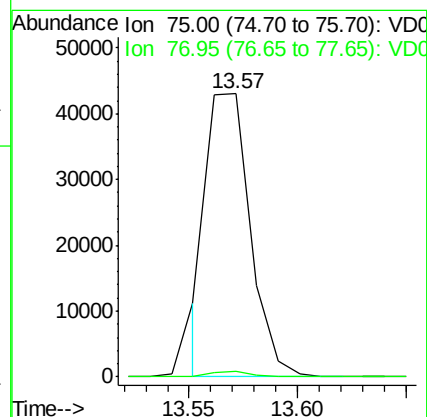
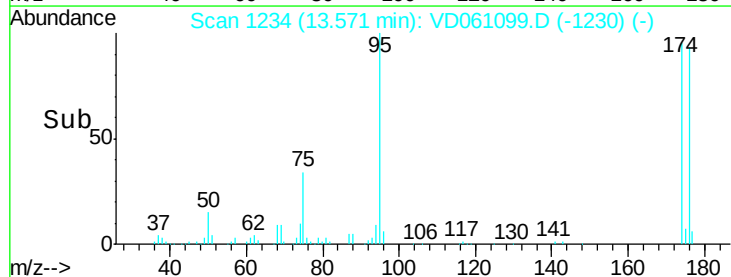
#76

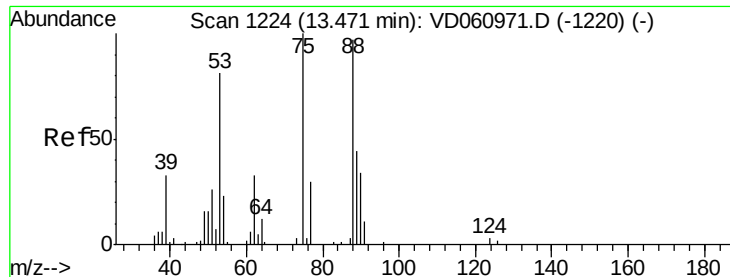
1,2,3-Trichloropropane
Concen: 22.433 ug/l
RT: 13.57 min Scan# 1234
Delta R.T. -0.16 min
Lab File: VD061099.D
Acq: 15 Mar 2019 21:03

Tgt Ion: 75 Resp: 60506
Ion Ratio Lower Upper
75 100
77 1.8 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: 84.755 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD061099.D

Acq: 15 Mar 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

S-5

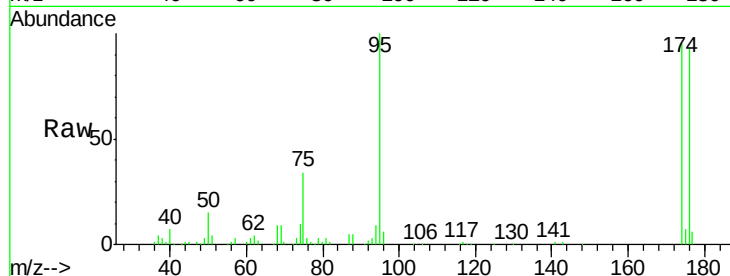
Tot Ion: 75 Resp: 67395

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

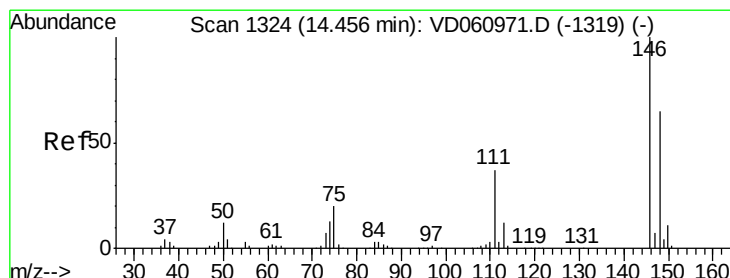
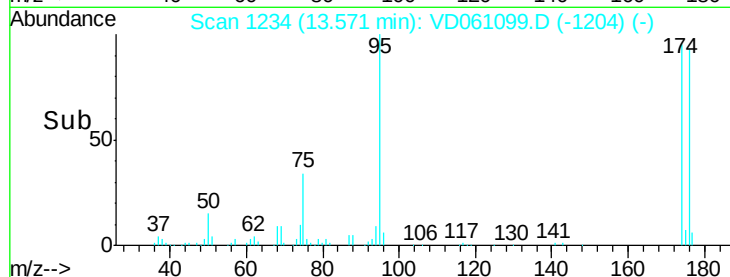
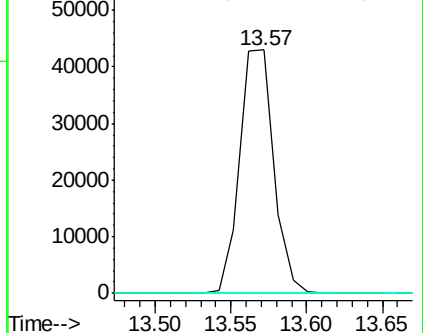
89 0.0 34.8 52.2#



Abundance Ion 75.00 (74.70 to 75.70): VD061099.D (-1220) (-)

Ion 53.00 (52.70 to 53.70): VD061099.D (-1220) (-)

Ion 89.00 (88.70 to 89.70): VD061099.D (-1220) (-)



#87

1,3-Dichlorobenzene

Concen: 2.551 ug/l

RT: 14.55 min Scan# 1333

Delta R.T. 0.09 min

Lab File: VD061099.D

Acq: 15 Mar 2019 21:03

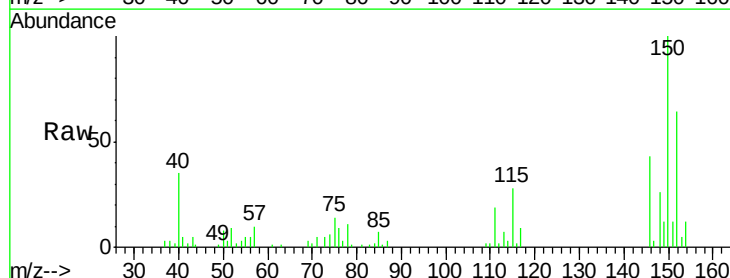
Tgt Ion: 146 Resp: 15713

Ion Ratio Lower Upper

146 100

111 43.6 18.4 55.4

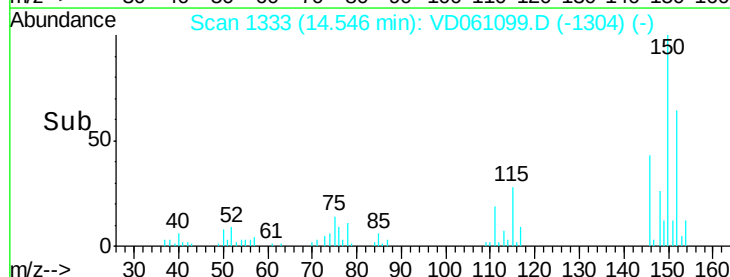
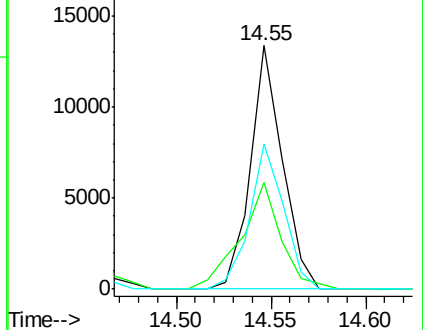
148 59.6 32.5 97.4

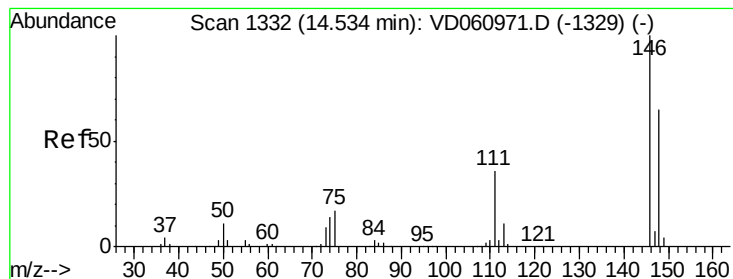


Abundance Ion 145.95 (145.65 to 146.65): VD061099.D (-1304) (-)

Ion 110.90 (110.60 to 111.60): VD061099.D (-1304) (-)

Ion 147.90 (147.60 to 148.60): VD061099.D (-1304) (-)





#88

1,4-Dichlorobenzene

Concen: 2.596 ug/l

RT: 14.55 min Scan# 1333

Delta R.T. 0.01 min

Lab File: VD061099.D

Acq: 15 Mar 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

S-5

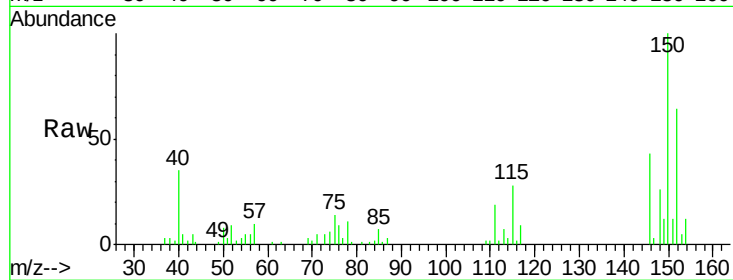
Tot Ion:146 Resp: 15713

Ion Ratio Lower Upper

146 100

111 43.6 18.4 55.2

148 59.6 32.5 97.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

