

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031419\
 Data File : VD061073.D
 Acq On : 14 Mar 2019 19:08
 Operator : VA/AP
 Sample : K1901-09
 Misc : 4.06g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-16(0.5-1.5)

Quant Time: Mar 15 02:13:57 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	7.05	168	495783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	779240	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	464101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	93813	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	233286	56.53	ug/l	0.02
Spiked Amount			Recovery	=	113.06%	
35) Dibromofluoromethane	6.93	113	359984	62.25	ug/l	0.00
Spiked Amount			Recovery	=	124.50%	
50) Toluene-d8	10.42	98	666763	45.91	ug/l	0.02
Spiked Amount			Recovery	=	91.82%	
62) 4-Bromofluorobenzene	13.56	95	164043	29.11	ug/l	0.00
Spiked Amount			Recovery	=	58.22%	

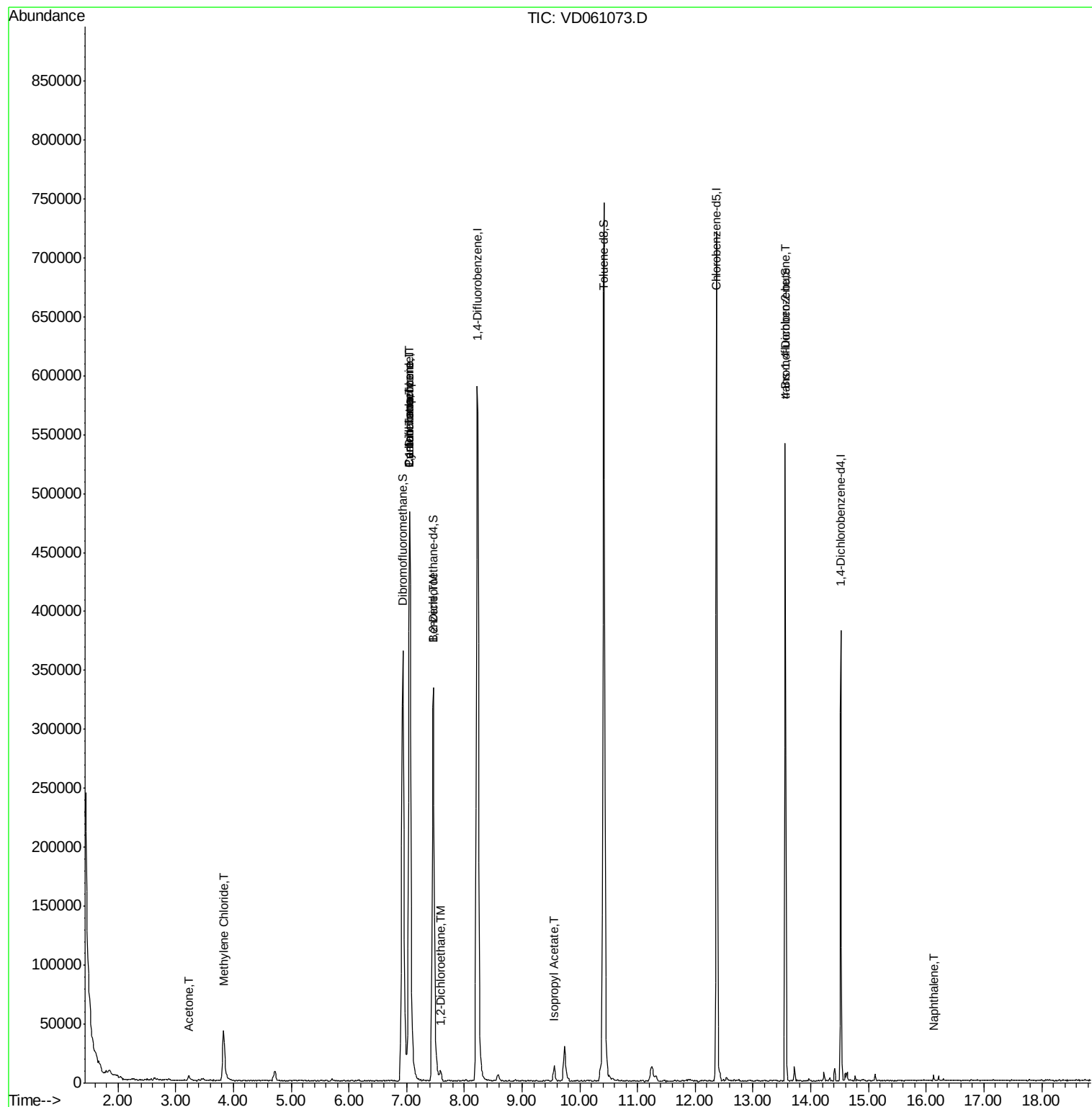
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	191	Below Cal	#	8
16) Acetone	3.23	43	7915	6.707	ug/l	98
20) Methylene Chloride	3.82	84	33657	1.755	ug/l	94
31) Cyclohexane	7.05	56	8442	1.156	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	34852	5.189	ug/l #	46
38) Carbon Tetrachloride	7.05	117	46498	6.284	ug/l #	15
40) Benzene	7.46	78	117747	7.015	ug/l	99
42) 1,2-Dichloroethane	7.58	62	7824	1.606	ug/l	73
43) Isopropyl Acetate	9.55	43	9853	2.257	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.56	75	58839	147.870	ug/l #	17
95) Naphthalene	16.13	128	4173	2.304	ug/l #	92

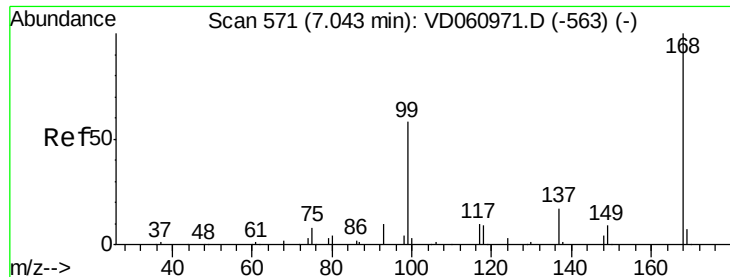
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061073.D

Acq: 14 Mar 2019 19:08

Instrument :

MSVOA_D

ClientSampleId :

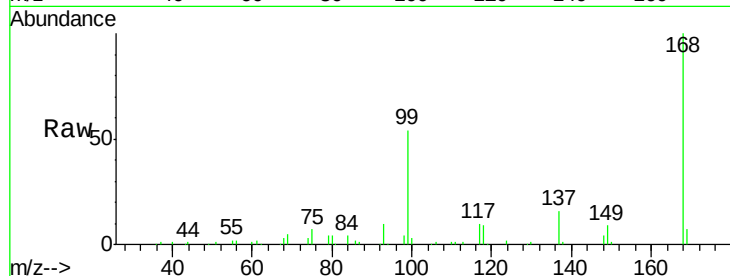
SB-16(0.5-1.5)

Tot Ion:168 Resp: 495783

Ion Ratio Lower Upper

168 100

99 54.3 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

150000

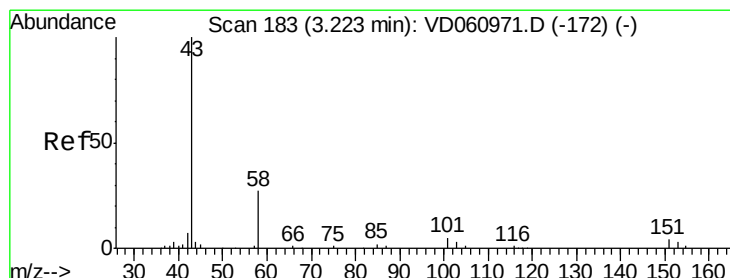
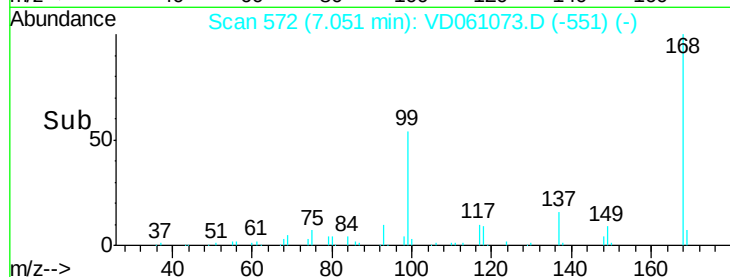
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 6.707 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD061073.D

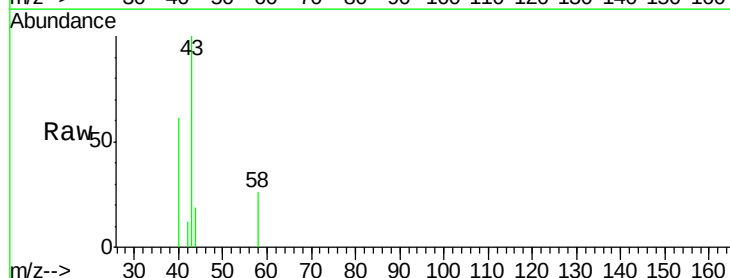
Acq: 14 Mar 2019 19:08

Tgt Ion: 43 Resp: 7915

Ion Ratio Lower Upper

43 100

58 26.1 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

3000

2500

2000

1500

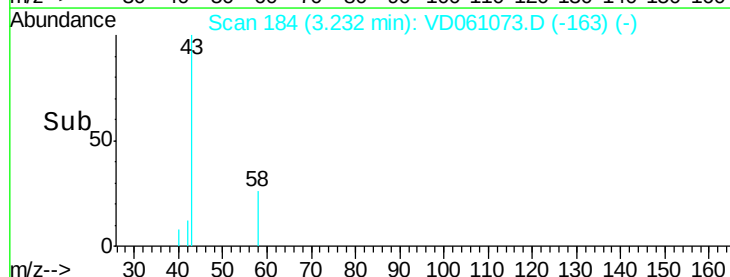
1000

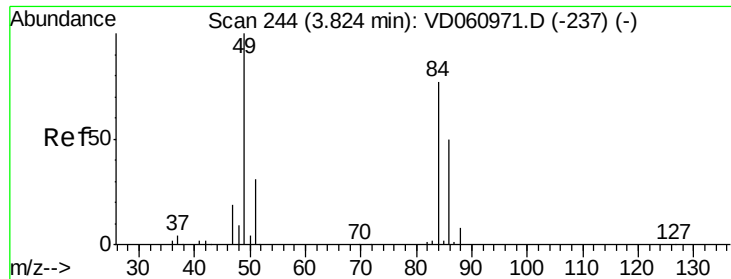
500

0

Time-->

3.15 3.20 3.25 3.30

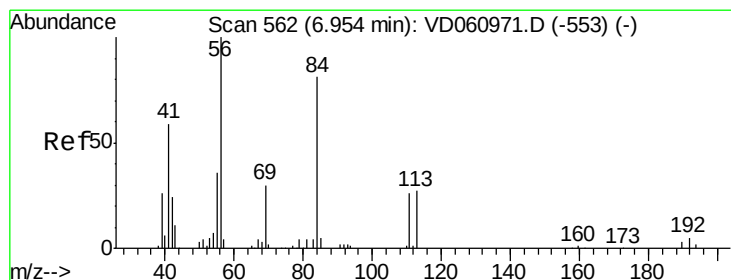
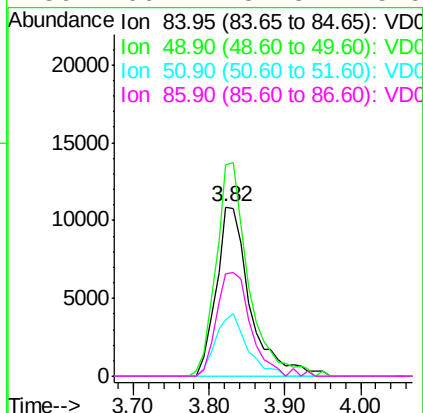
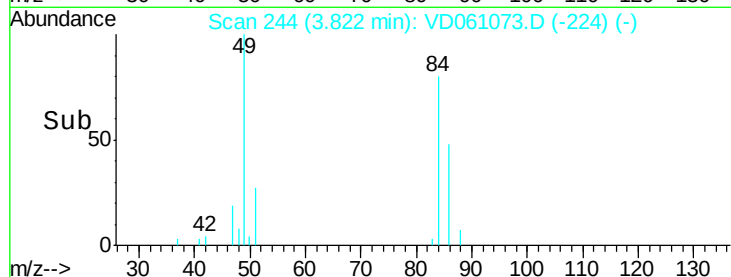
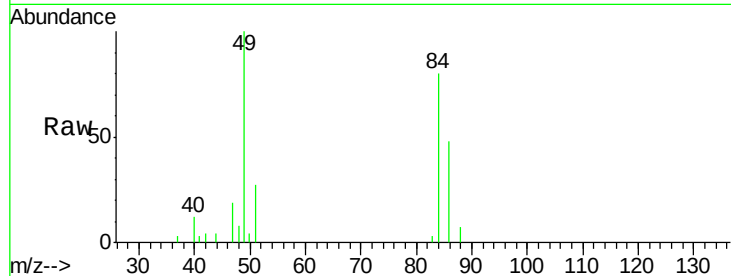




#20
Methylene Chloride
Concen: 1.755 ug/l
RT: 3.82 min Scan# 244
Delta R.T. -0.00 min
Lab File: VD061073.D
Acq: 14 Mar 2019 19:08

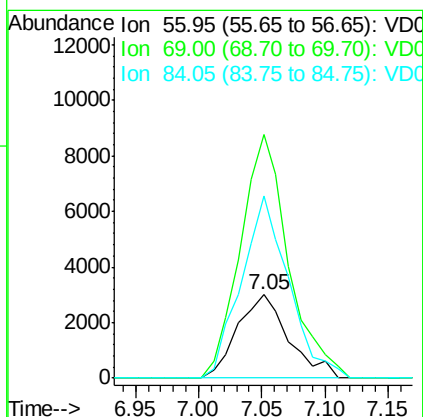
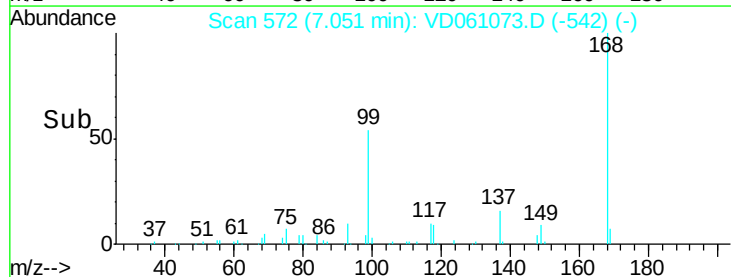
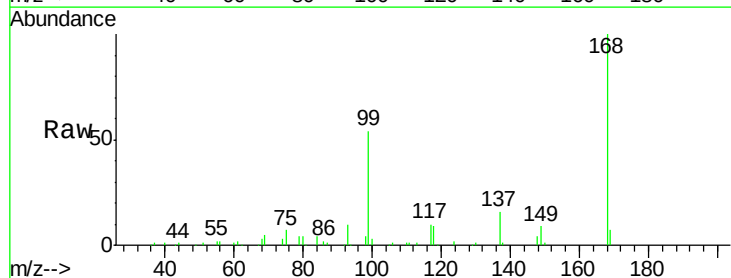
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MSVOA_D
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SB-16(0.5-1.5)

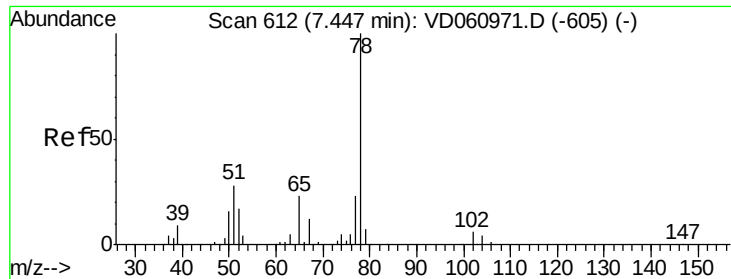
Tot Ion:	84	Resp:	33657
Ion	Ratio	Lower	Upper
84	100		
49	125.0	104.2	156.2
51	33.2	32.3	48.5
86	60.4	52.3	78.5



#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.10 min
Lab File: VD061073.D
Acq: 14 Mar 2019 19:08

Tgt Ion:	56	Resp:	8442
Ion	Ratio	Lower	Upper
56	100		
69	292.8	24.0	36.0#
84	219.2	65.8	98.6#

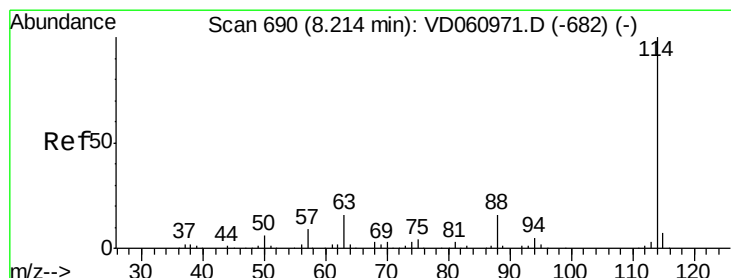
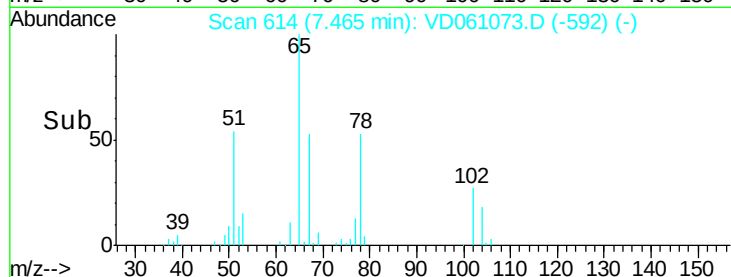
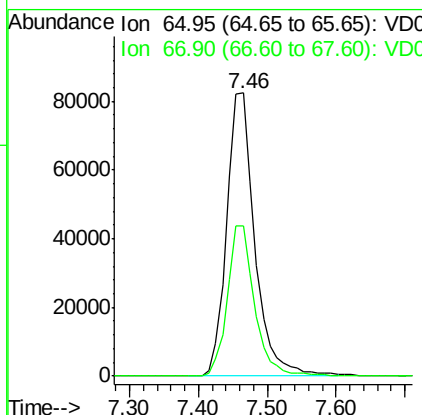
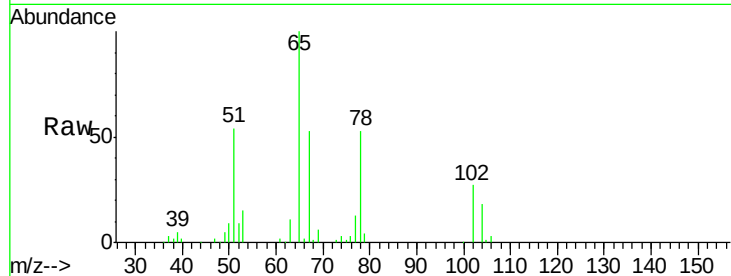




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.46 min Scan# 614
 Delta R.T. 0.02 min
 Lab File: VD061073.D
 Acq: 14 Mar 2019 19:08

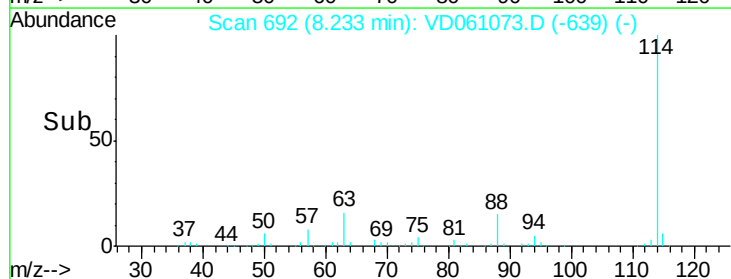
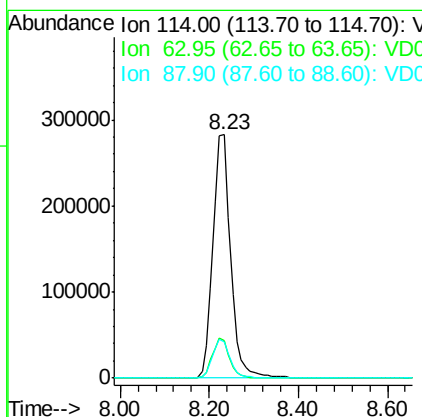
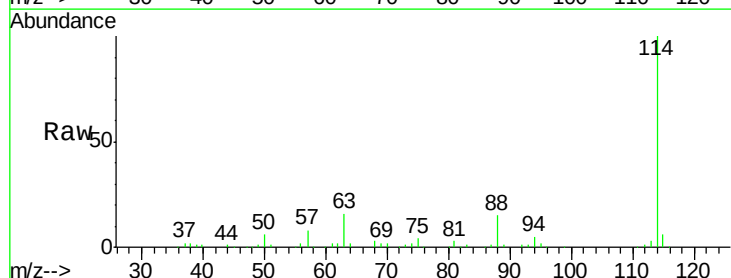
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-16(0.5-1.5)

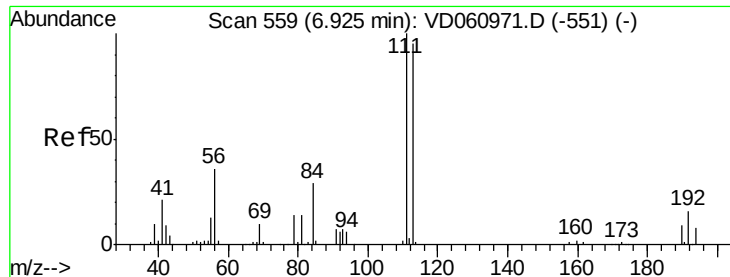
Tot Ion: 65 Resp: 233286
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.02 min
 Lab File: VD061073.D
 Acq: 14 Mar 2019 19:08

Tgt Ion: 114 Resp: 779240
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.4
 88 14.9 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD061073.D

Acq: 14 Mar 2019 19:08

Instrument :

MSVOA_D

ClientSampleId :

SB-16(0.5-1.5)

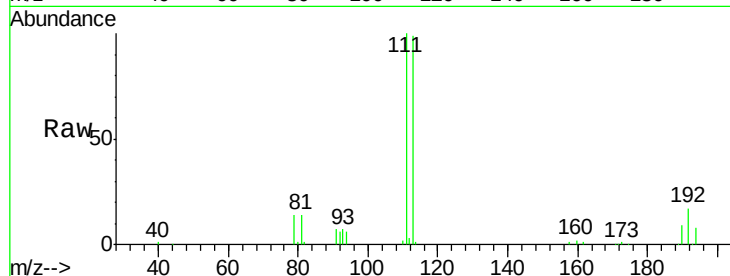
Tot Ion:113 Resp: 359984

Ion Ratio Lower Upper

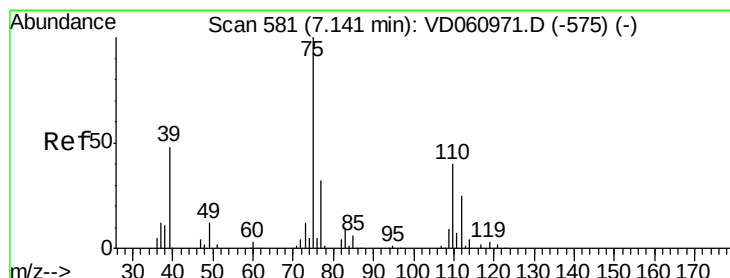
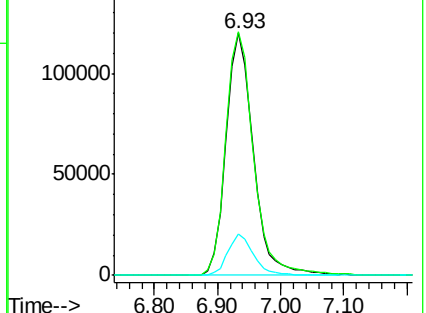
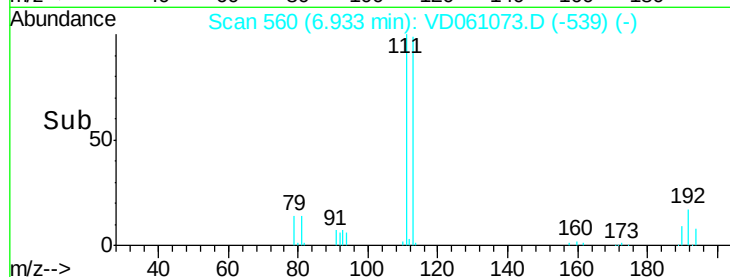
113 100

111 100.6 84.2 126.4

192 17.2 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: 5.189 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.09 min

Lab File: VD061073.D

Acq: 14 Mar 2019 19:08

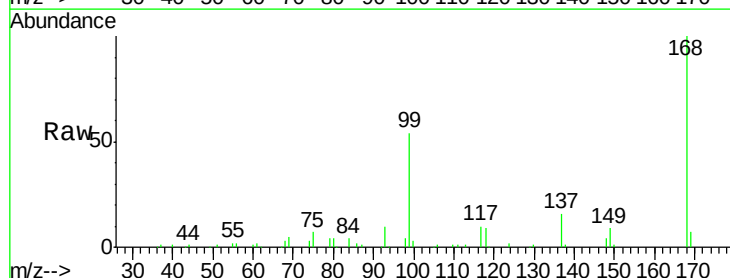
Tgt Ion: 75 Resp: 34852

Ion Ratio Lower Upper

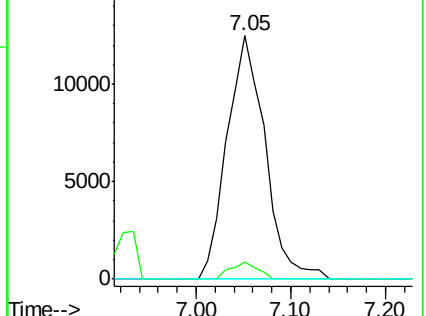
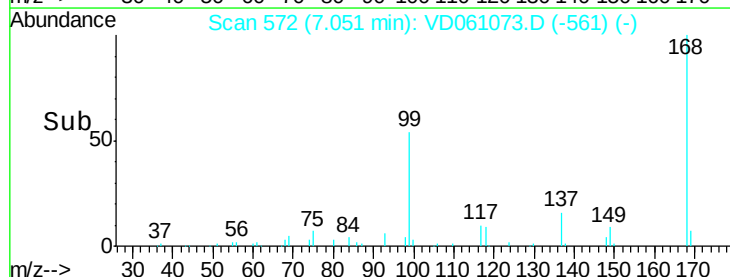
75 100

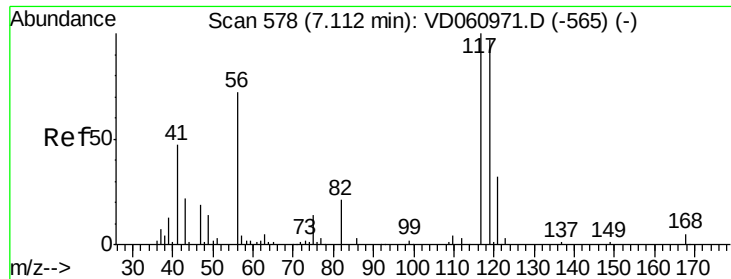
110 7.2 19.7 59.1#

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): V
Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 6.284 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD061073.D

Acq: 14 Mar 2019 19:08

Instrument :

MSVOA_D

ClientSampleId :

SB-16(0.5-1.5)

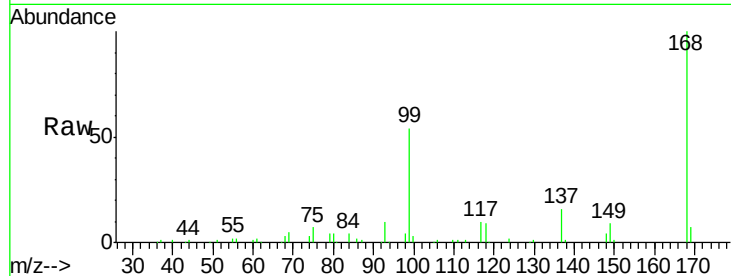
Tot Ion:117 Resp: 46498

Ion Ratio Lower Upper

117 100

119 4.1 77.8 116.8#

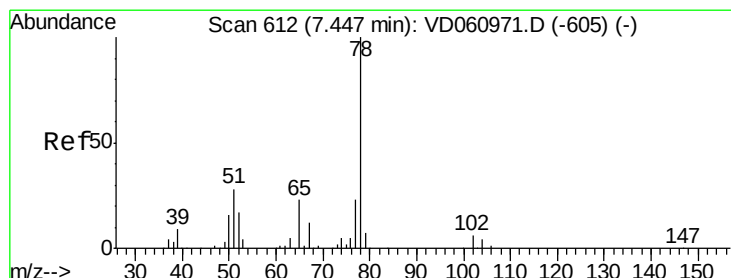
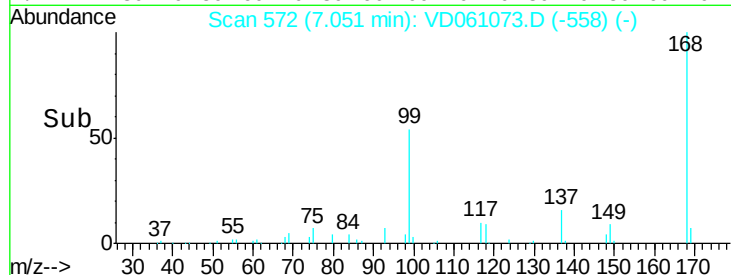
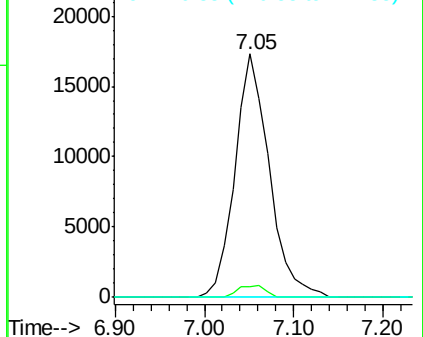
121 0.0 25.3 37.9#



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



#40

Benzene

Concen: 7.015 ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD061073.D

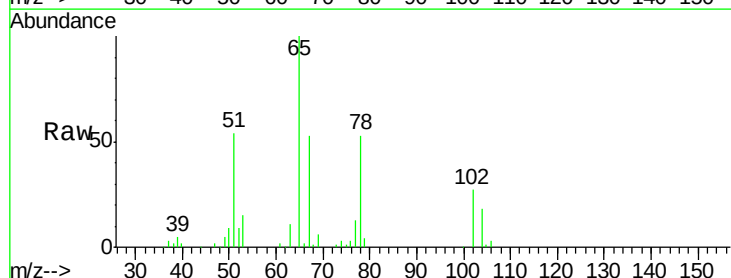
Acq: 14 Mar 2019 19:08

Tgt Ion: 78 Resp: 117747

Ion Ratio Lower Upper

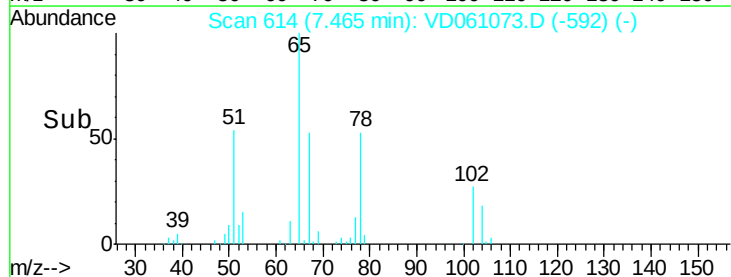
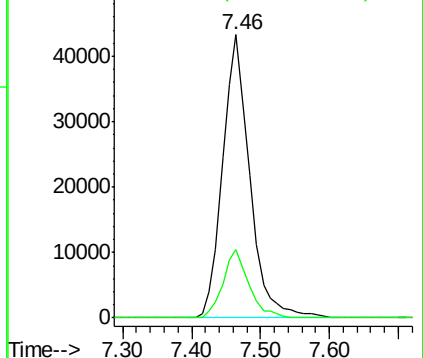
78 100

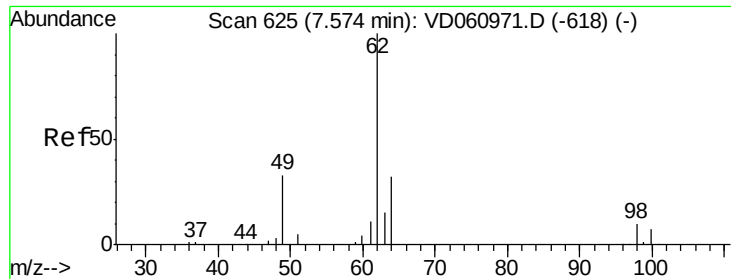
77 24.0 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): V

Ion 76.95 (76.65 to 77.65): V

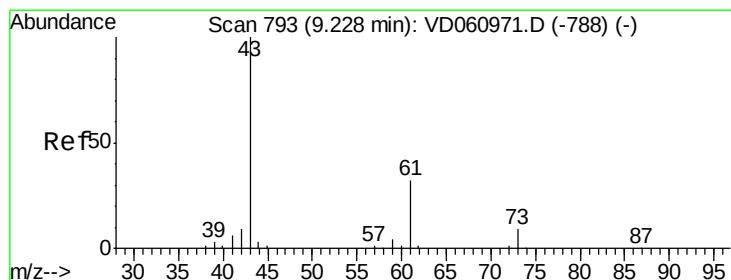
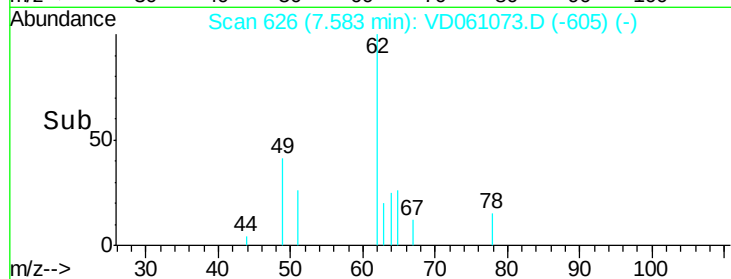
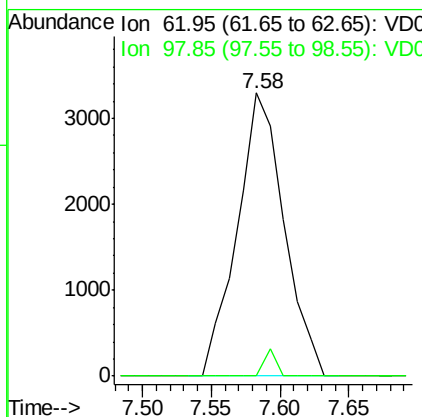
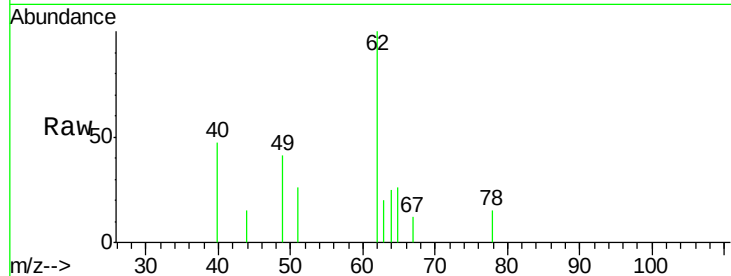




#42
 1,2-Dichloroethane
 Concen: 1.606 ug/l
 RT: 7.58 min Scan# 626
 Delta R.T. 0.01 min
 Lab File: VD061073.D
 Acq: 14 Mar 2019 19:08

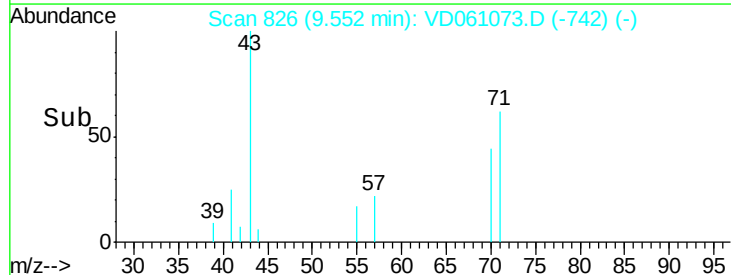
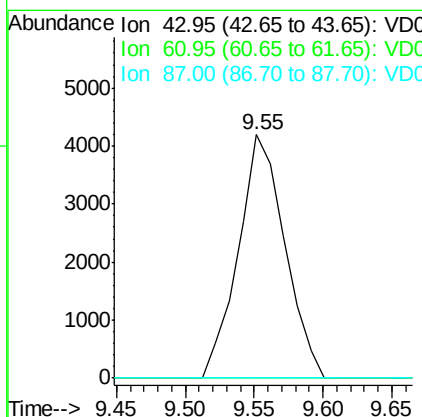
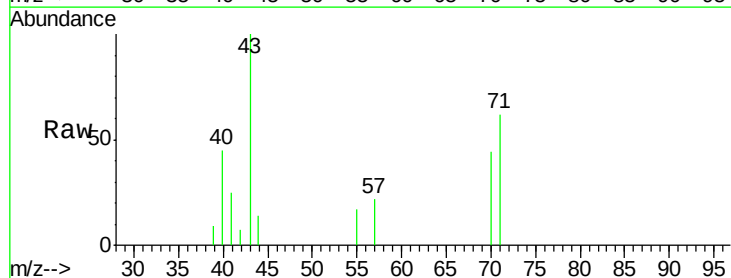
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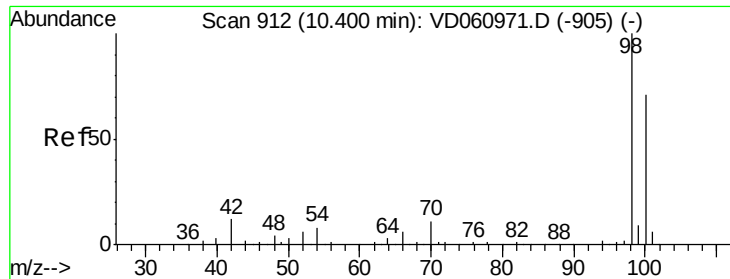
Tot Ion: 62 Resp: 7824
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 20.4



#43
 Isopropyl Acetate
 Concen: 2.257 ug/l
 RT: 9.55 min Scan# 826
 Delta R.T. 0.32 min
 Lab File: VD061073.D
 Acq: 14 Mar 2019 19:08

Tgt Ion: 43 Resp: 9853
 Ion Ratio Lower Upper
 43 100
 61 0.0 25.6 38.4#
 87 0.0 0.2 0.4#

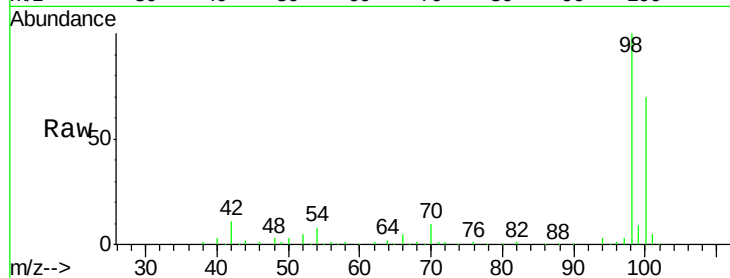




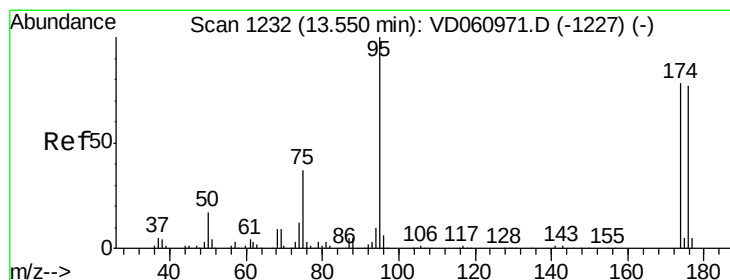
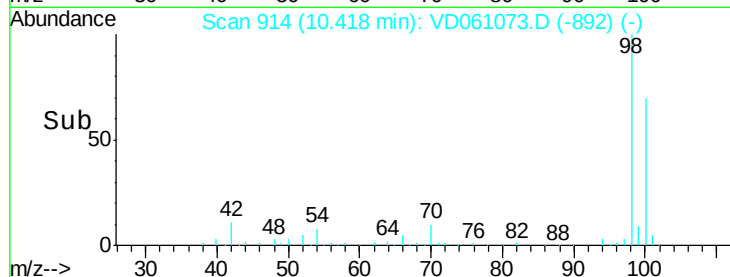
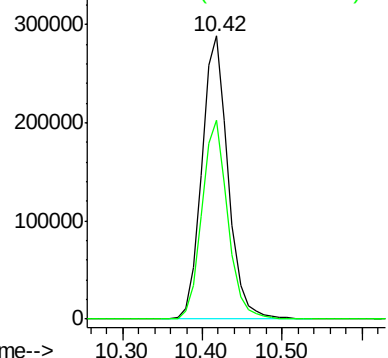
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD061073.D
Acq: 14 Mar 2019 19:08

Instrument :
MSVOA_D
ClientSampleId :
SB-16(0.5-1.5)

Tot Ion: 98 Resp: 666763
Ion Ratio Lower Upper
98 100
100 70.1 57.4 86.2

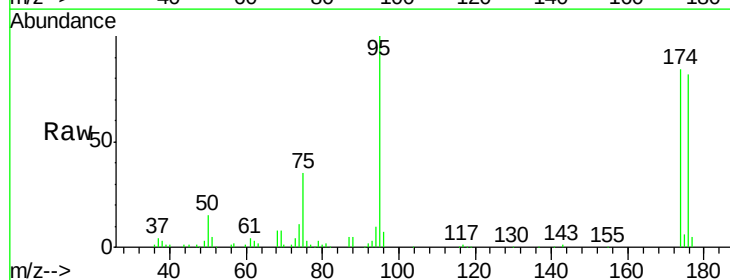


Abundance Ion 98.05 (97.75 to 98.75): VD060971.D (-905) (-)
Ion 100.05 (99.75 to 100.75): VD060971.D (-905) (-)

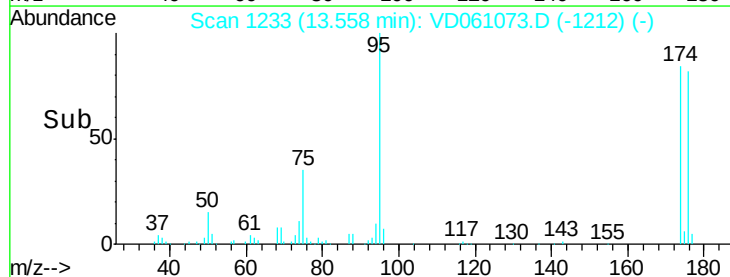
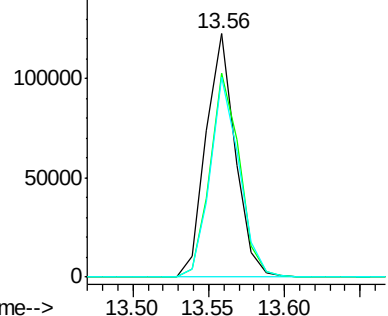


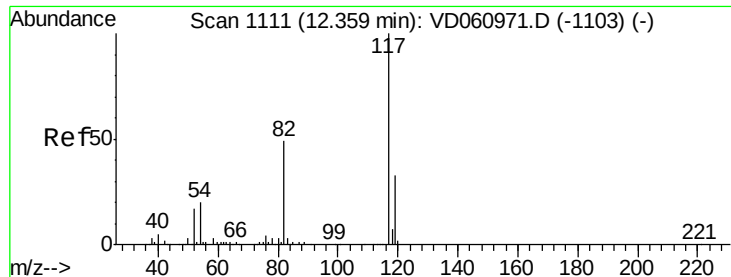
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061073.D
Acq: 14 Mar 2019 19:08

Tgt Ion: 95 Resp: 164043
Ion Ratio Lower Upper
95 100
174 84.0 0.0 155.6
176 82.4 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) (-)

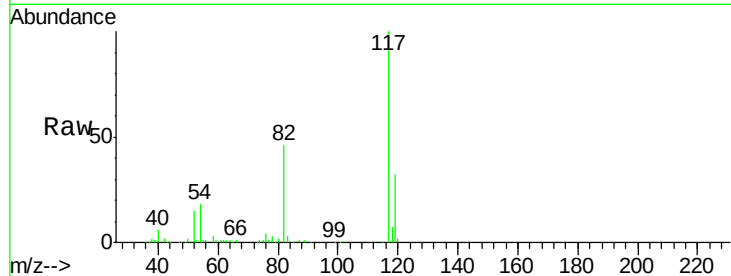




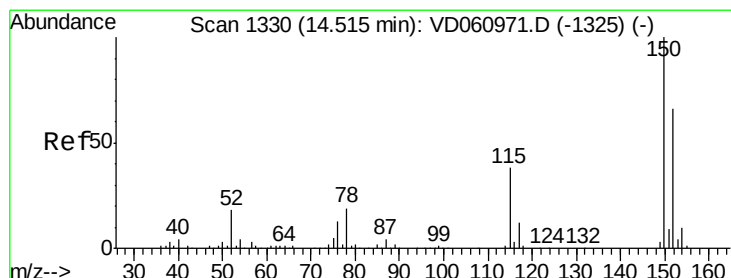
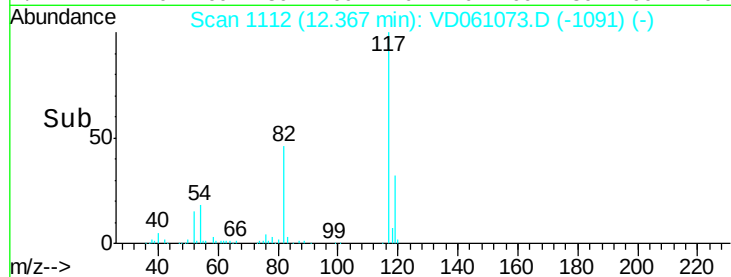
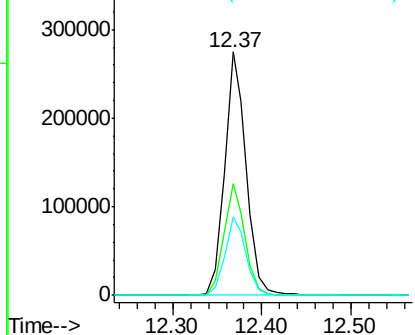
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061073.D
Acq: 14 Mar 2019 19:08

Instrument :
MSVOA_D
ClientSampleId :
SB-16(0.5-1.5)

Tot Ion	Ratio	Lower	Upper
117	100		
82	46.1	38.9	58.3
119	32.3	26.6	39.8

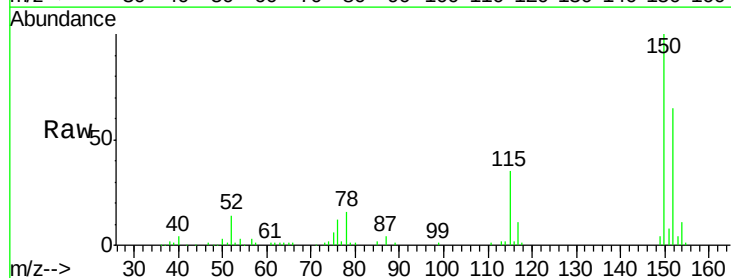


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

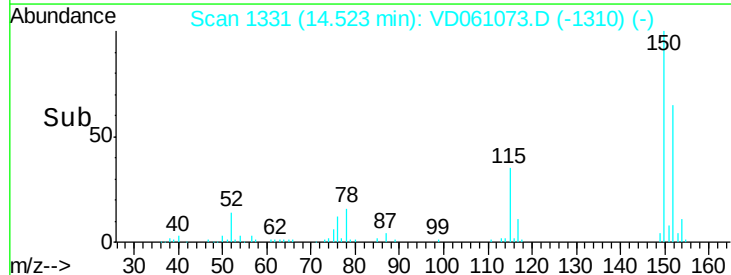
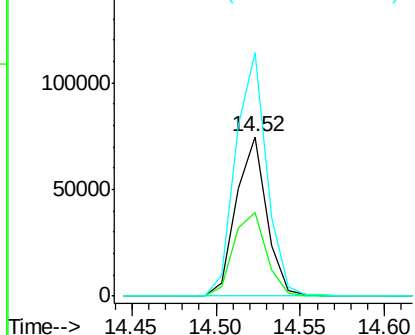


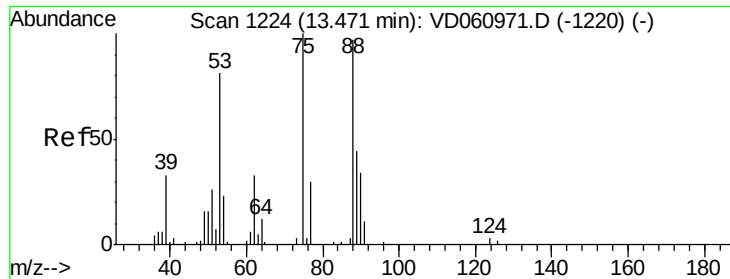
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061073.D
Acq: 14 Mar 2019 19:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.9	28.6	85.9
150	153.0	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: 147.870 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061073.D

Acq: 14 Mar 2019 19:08

Instrument :

MSVOA_D

ClientSampleId :

SB-16(0.5-1.5)

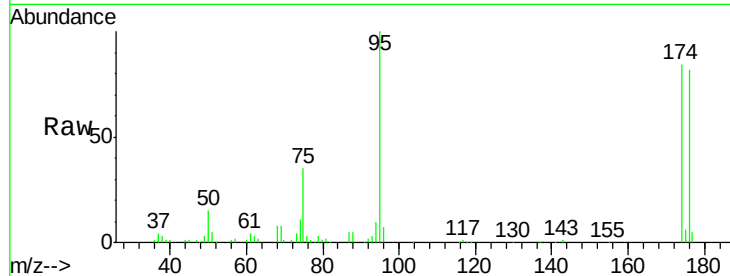
Tot Ion: 75 Resp: 58839

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

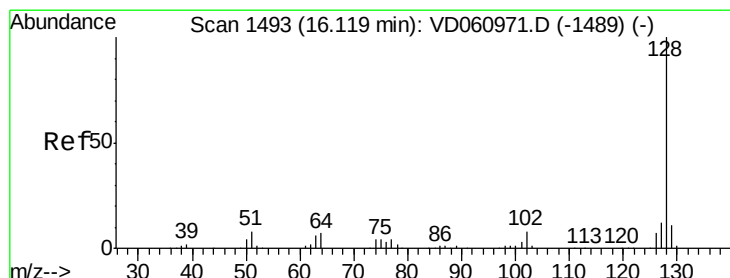
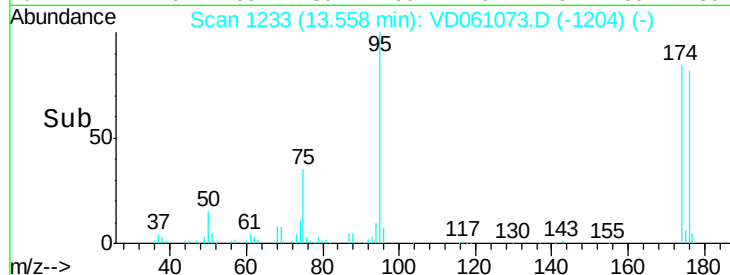
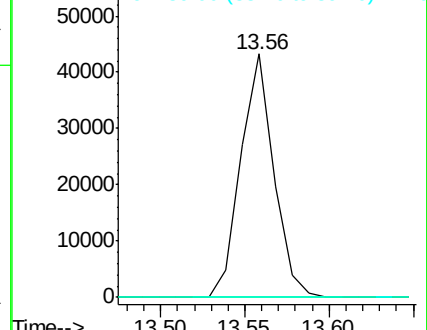
89 0.0 34.8 52.2#



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



#95

Naphthalene

Concen: 2.304 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD061073.D

Acq: 14 Mar 2019 19:08

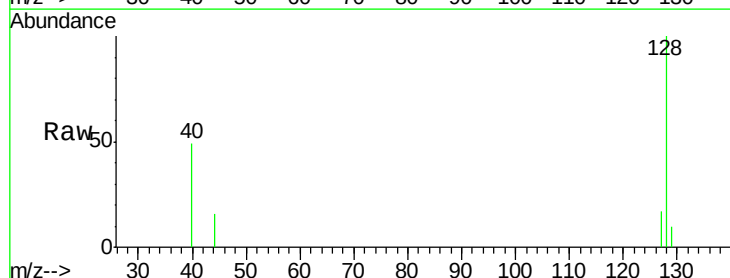
Tgt Ion: 128 Resp: 4173

Ion Ratio Lower Upper

128 100

127 17.3 9.8 14.8#

129 9.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

