

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061234.D
 Acq On : 21 Mar 2019 5:07
 Operator : VA/AP
 Sample : K1688-35
 Misc : 6.79g/5ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 JC-02-031919-H

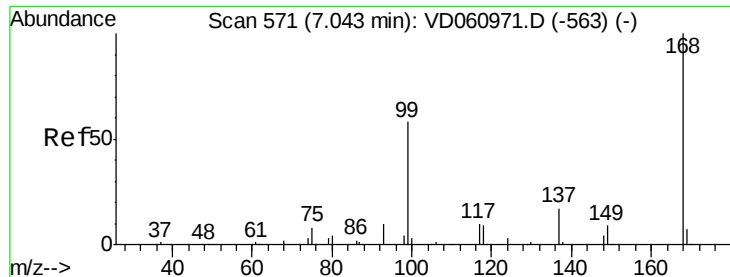
Quant Time: Mar 22 02:08:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	583822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1116131	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	856780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	306079	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	246091	50.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.28%	
35) Dibromofluoromethane	6.93	113	375405	45.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.64%	
50) Toluene-d8	10.40	98	898542	43.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.40%	
62) 4-Bromofluorobenzene	13.55	95	300827	37.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	74.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	33393	24.030	ug/l	94
20) Methylene Chloride	3.83	84	61550	5.570	ug/l	93
31) Cyclohexane	7.05	56	9673	1.125	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	41533	4.317	ug/l #	44
38) Carbon Tetrachloride	7.04	117	56281	5.311	ug/l #	15
51) 4-Methyl-2-Pentanone	10.40	43	3901	1.018	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	108832	83.830	ug/l #	17

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061234.D

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Instrument :

MSVOA_D

ClientSampleId :

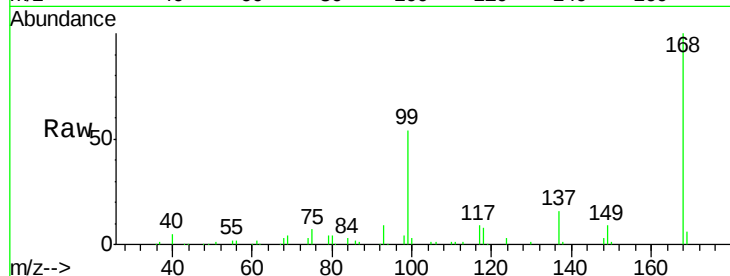
JC-02-031919-H

Tot Ion:168 Resp: 583822

Ion Ratio Lower Upper

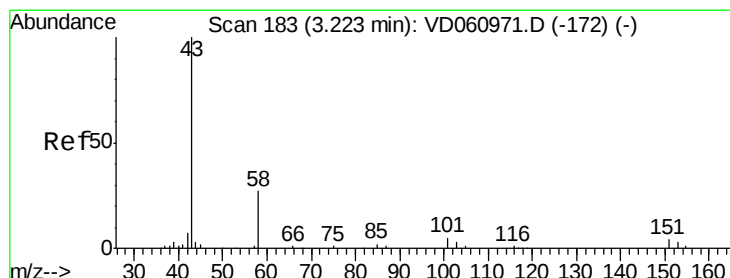
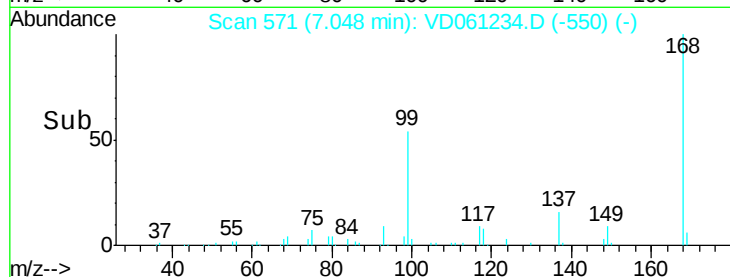
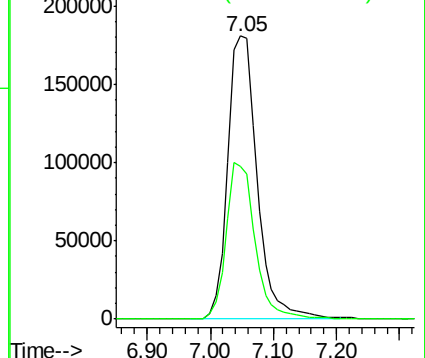
168 100

99 54.0 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: 24.030 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061234.D

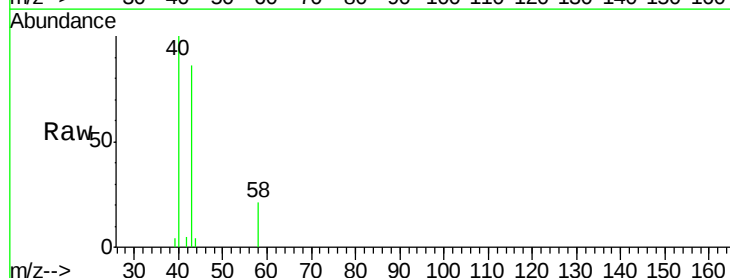
Acq: 21 Mar 2019 5:07

Tgt Ion: 43 Resp: 33393

Ion Ratio Lower Upper

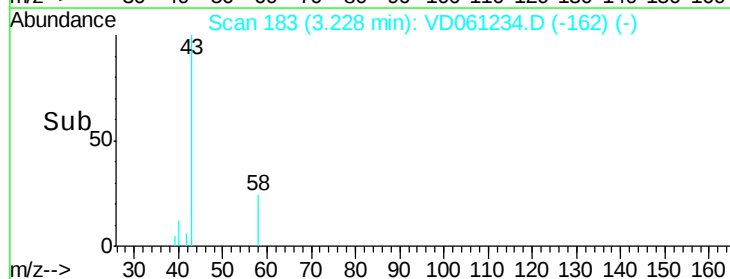
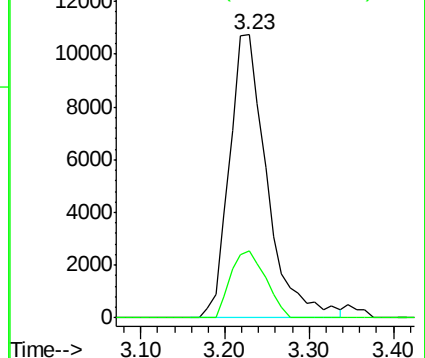
43 100

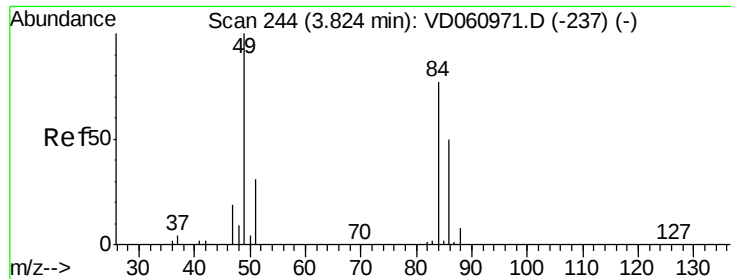
58 23.9 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

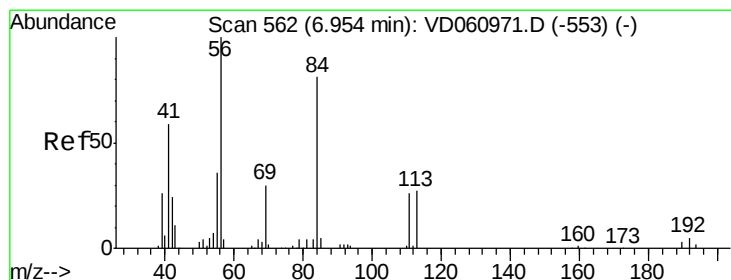
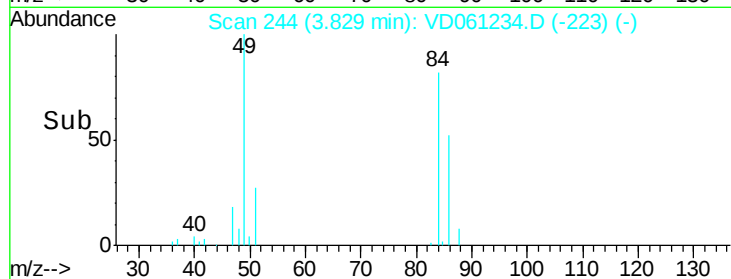
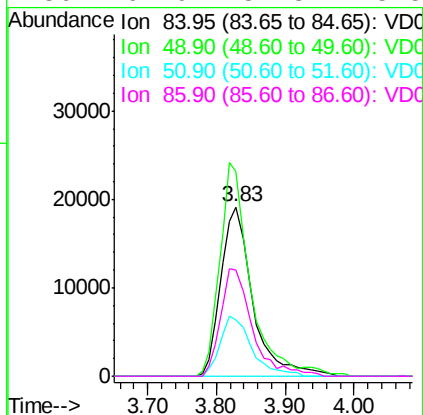
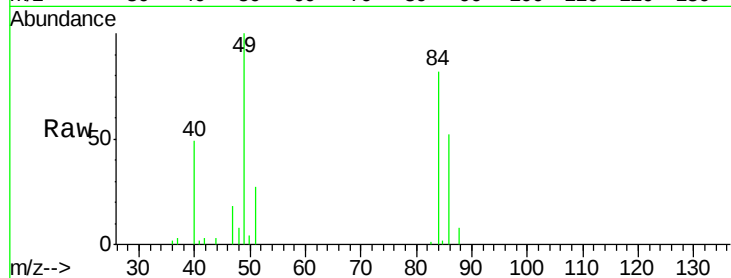




#20
Methvlene Chloride
Concen: 5.570 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD061234.D
Acq: 21 Mar 2019 5:07

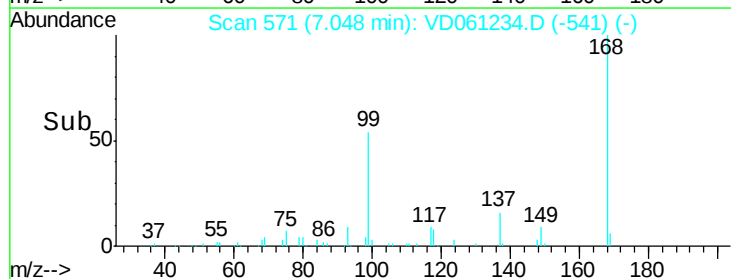
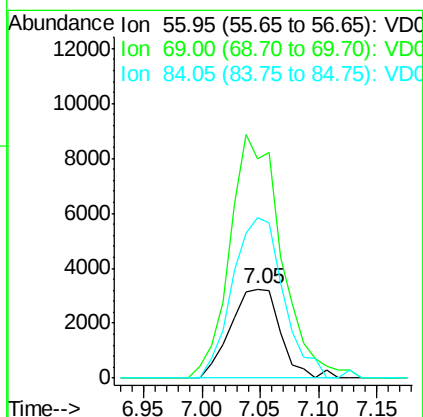
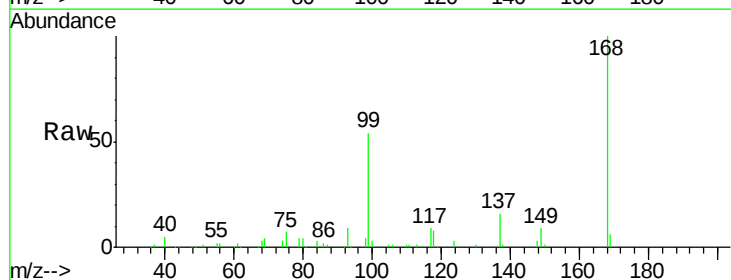
Instrument :
MSVOA_D
ClientSampleId :
JC-02-031919-H

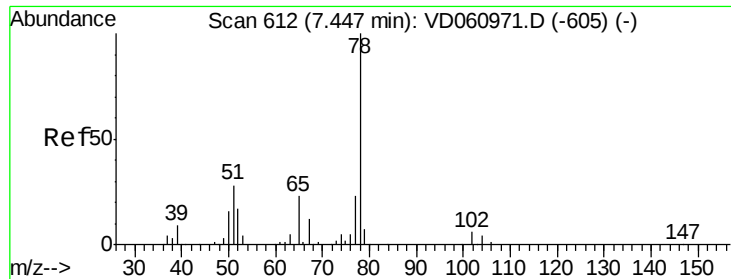
Tot Ion: 84 Resp: 61550
Ion Ratio Lower Upper
84 100
49 121.4 104.2 156.2
51 33.3 32.3 48.5
86 62.9 52.3 78.5



#31
Cyclohexane
Concen: 1.125 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD061234.D
Acq: 21 Mar 2019 5:07

Tgt Ion: 56 Resp: 9673
Ion Ratio Lower Upper
56 100
69 245.0 24.0 36.0#
84 180.2 65.8 98.6#

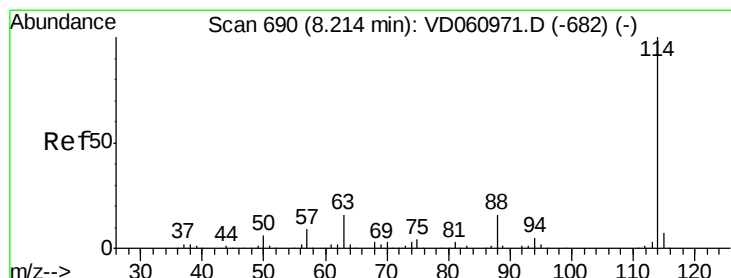
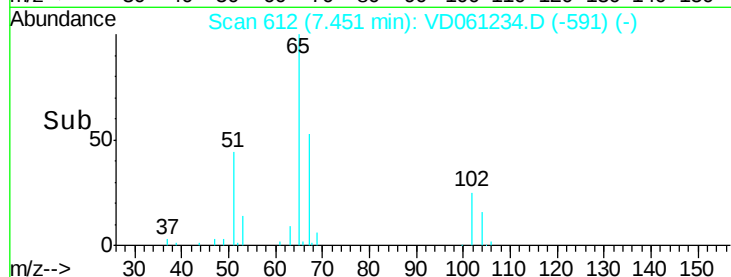
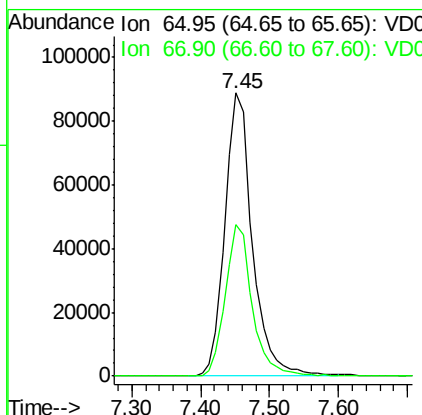
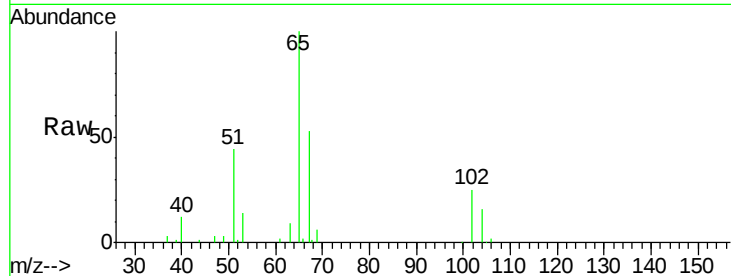




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VD061234.D
 Acq: 21 Mar 2019 5:07

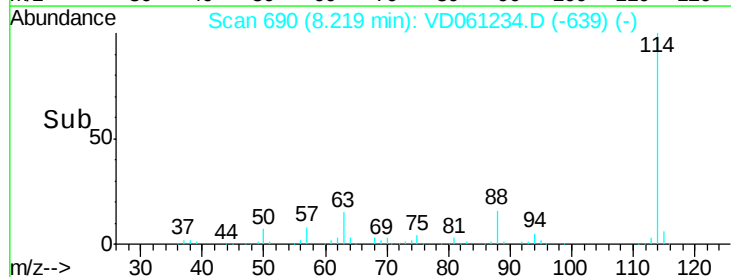
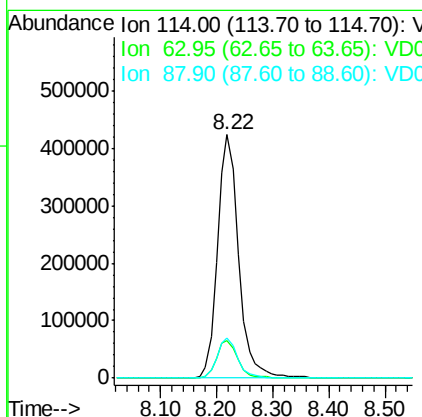
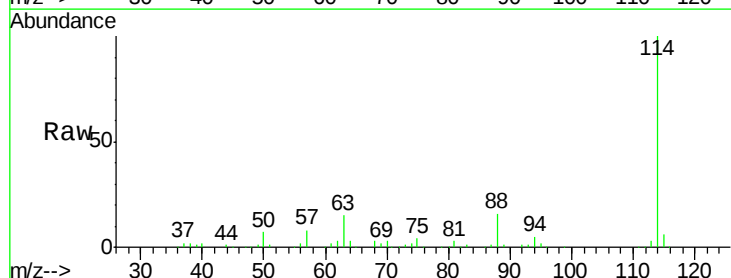
Instrument :
 MSVOA_D
 ClientSampleId :
 JC-02-031919-H

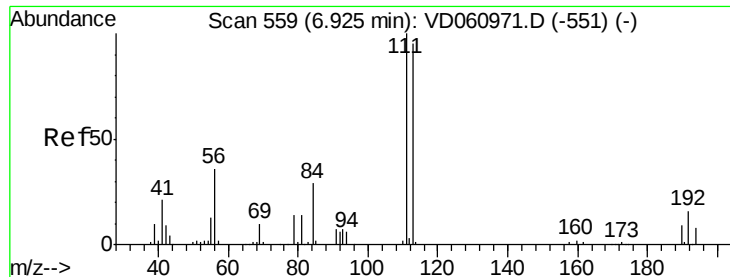
Tot Ion: 65 Resp: 246091
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD061234.D
 Acq: 21 Mar 2019 5:07

Tgt Ion: 114 Resp: 1116131
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 31.4
 88 16.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061234.D

Acq: 21 Mar 2019 5:07

Instrument :

MSVOA_D

ClientSampleId :

JC-02-031919-H

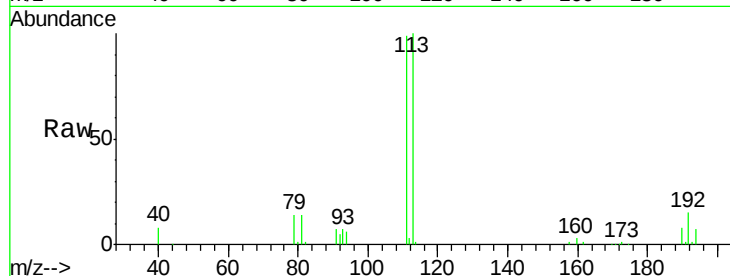
Tot Ion:113 Resp: 375405

Ion Ratio Lower Upper

113 100

111 98.9 84.2 126.4

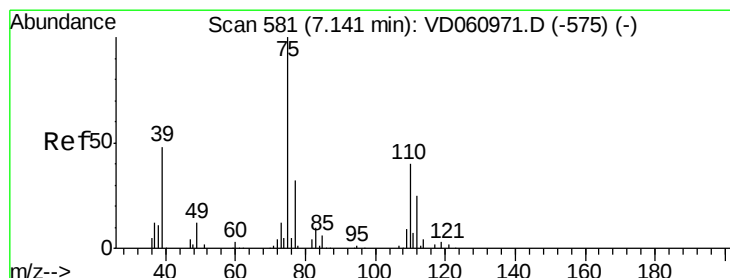
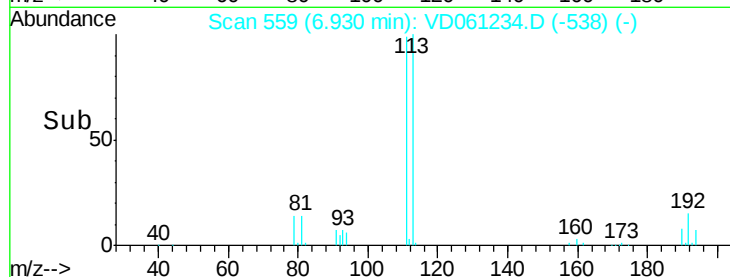
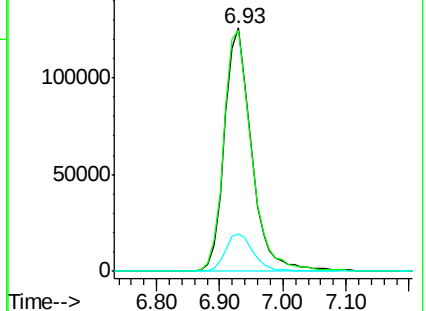
192 15.2 13.1 19.7



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: 4.317 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD061234.D

Acq: 21 Mar 2019 5:07

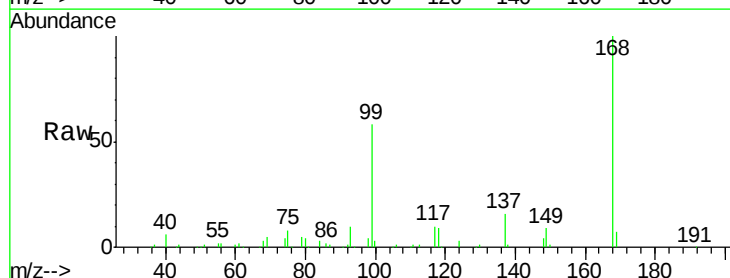
Tgt Ion: 75 Resp: 41533

Ion Ratio Lower Upper

75 100

110 5.0 19.7 59.1#

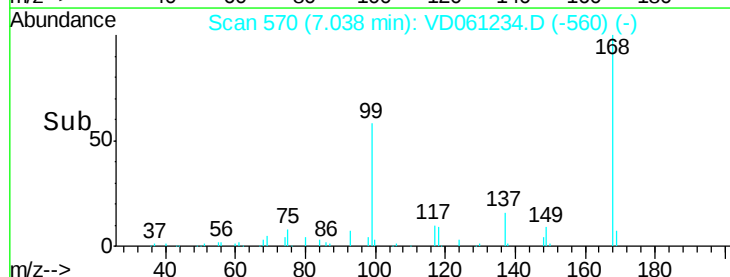
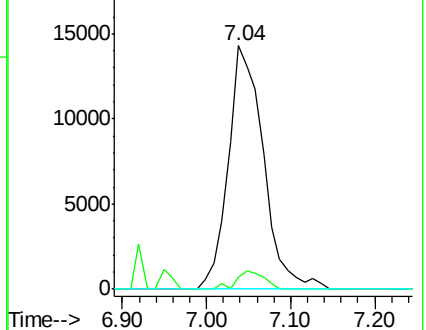
77 0.0 24.7 37.1#

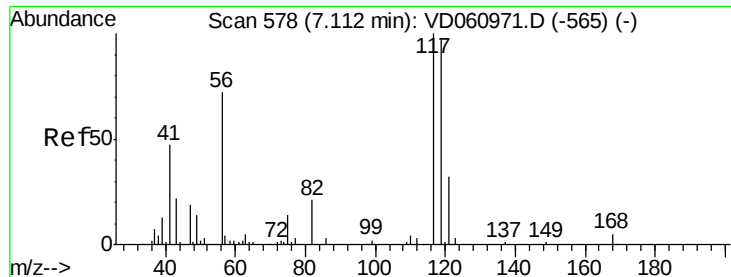


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

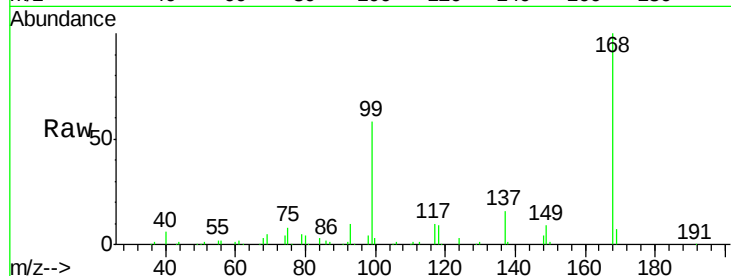




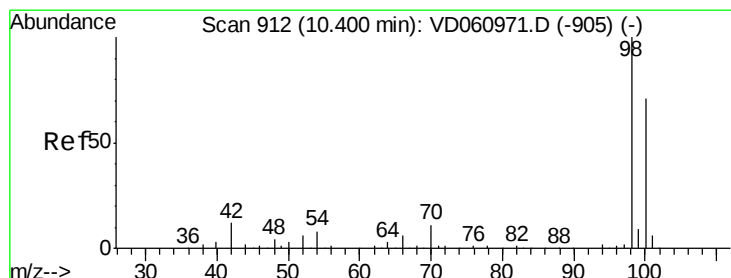
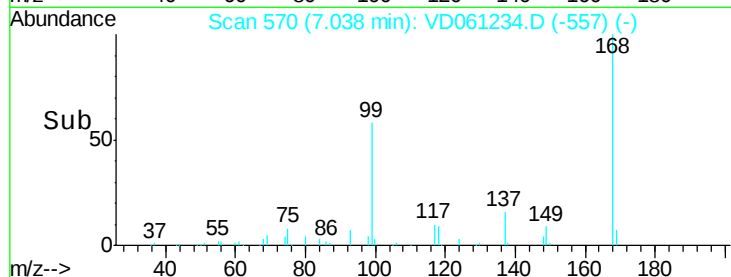
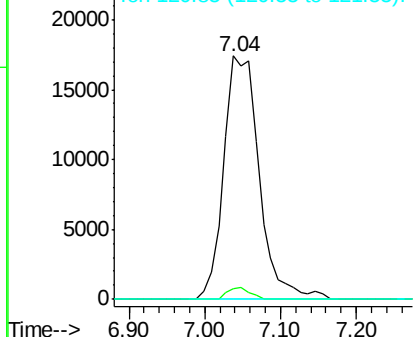
#38
Carbon Tetrachloride
Concen: 5.311 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD061234.D
Acq: 21 Mar 2019 5:07

Instrument :
MSVOA_D
ClientSampleId :
JC-02-031919-H

Tot Ion:117 Resp: 56281
Ion Ratio Lower Upper
117 100
119 4.3 77.8 116.8#
121 0.0 25.3 37.9#

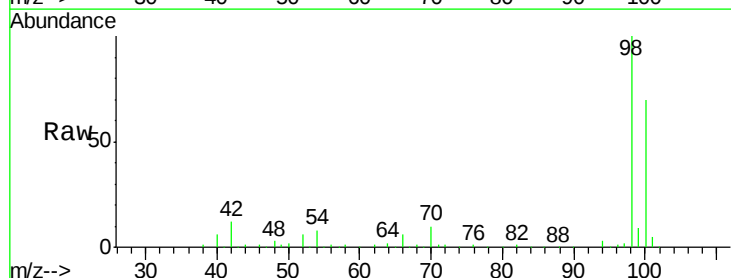


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

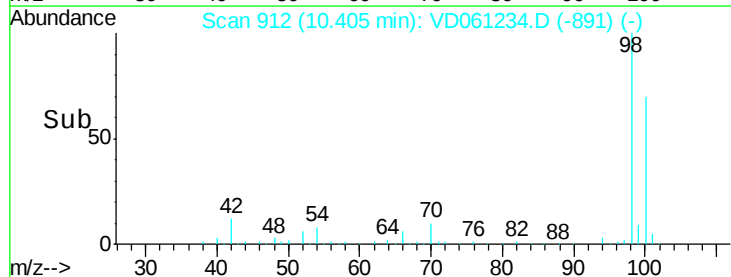
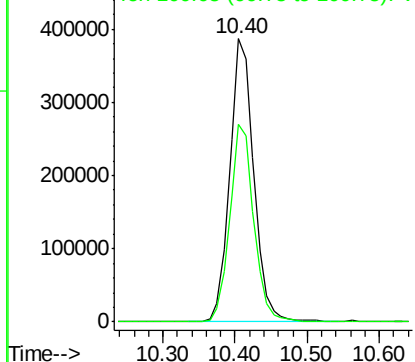


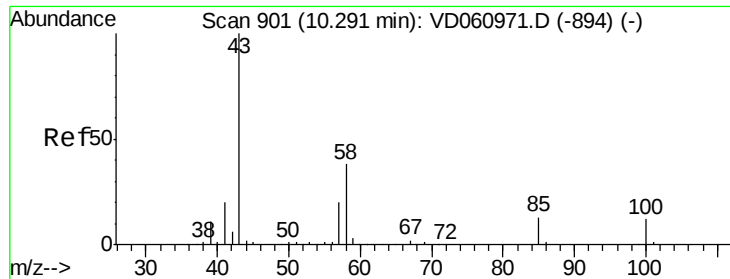
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD061234.D
Acq: 21 Mar 2019 5:07

Tgt Ion: 98 Resp: 898542
Ion Ratio Lower Upper
98 100
100 69.7 57.4 86.2



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





#51

4-Methyl-2-Pentanone

Concen: 1.018 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.11 min

Lab File: VD061234.D

Acq: 21 Mar 2019 5:07

Instrument :

MSVOA_D

ClientSampleId :

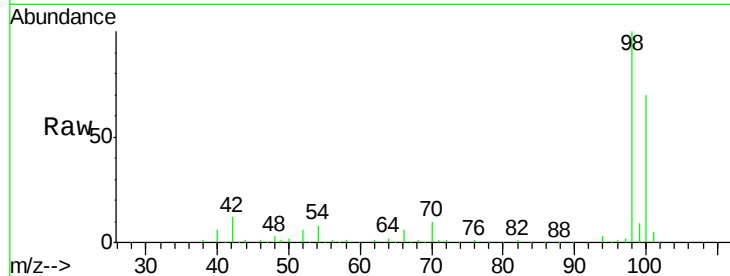
JC-02-031919-H

Tot Ion: 43 Resp: 3901

Ion Ratio Lower Upper

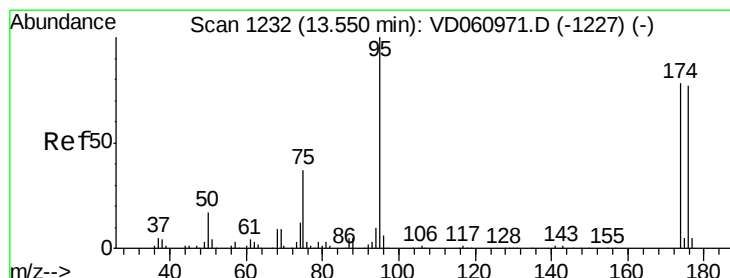
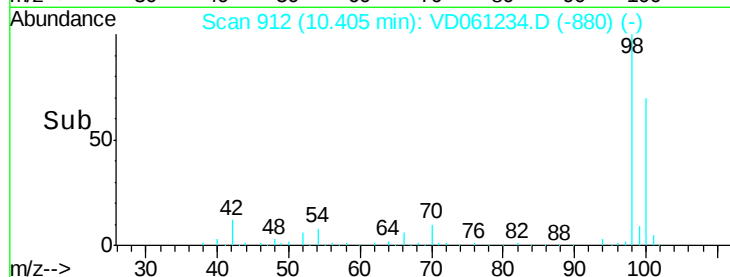
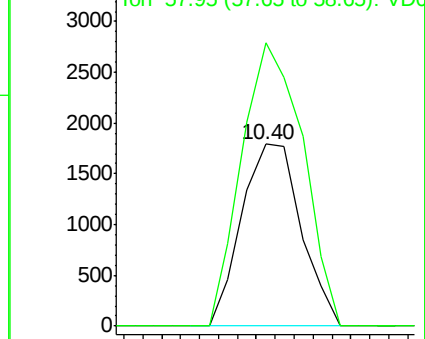
43 100

58 155.6 30.2 45.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061234.D

Acq: 21 Mar 2019 5:07

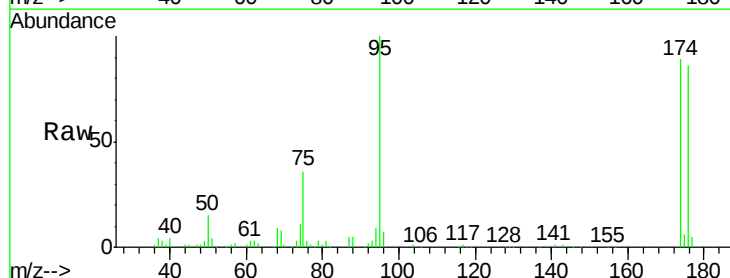
Tgt Ion: 95 Resp: 300827

Ion Ratio Lower Upper

95 100

174 88.6 0.0 155.6

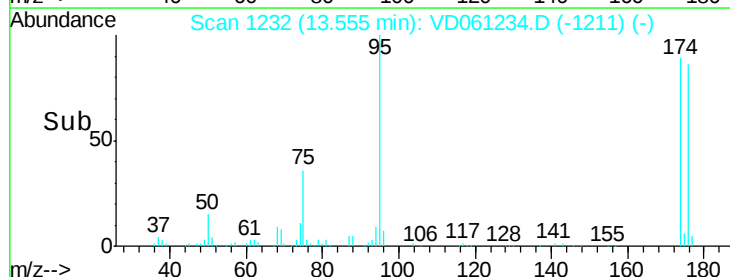
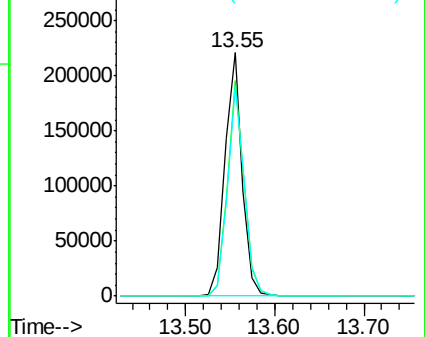
176 86.3 0.0 153.8

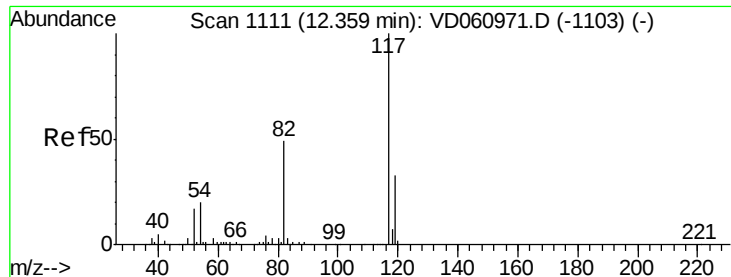


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

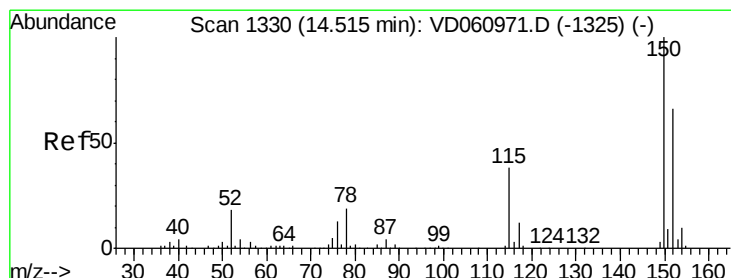
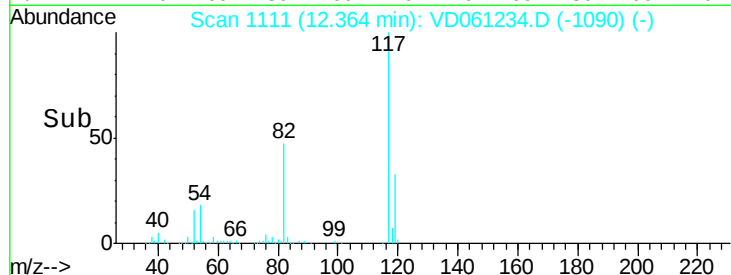
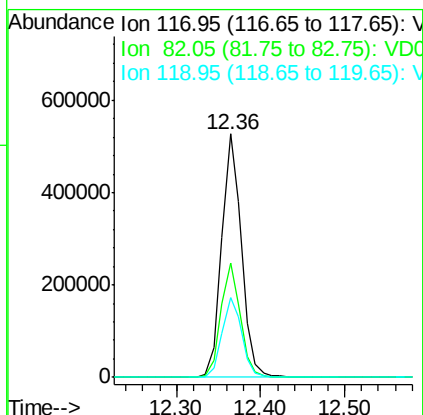
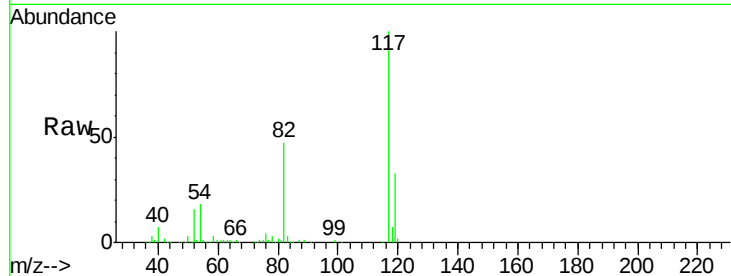




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061234.D
Acq: 21 Mar 2019 5:07

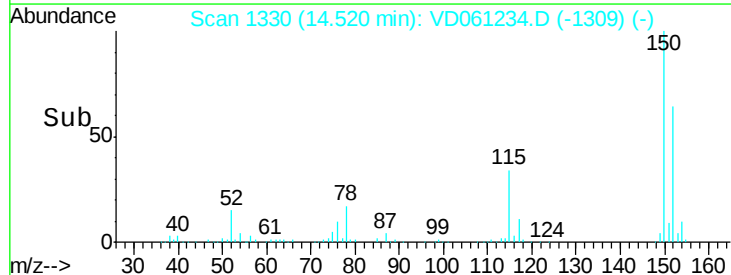
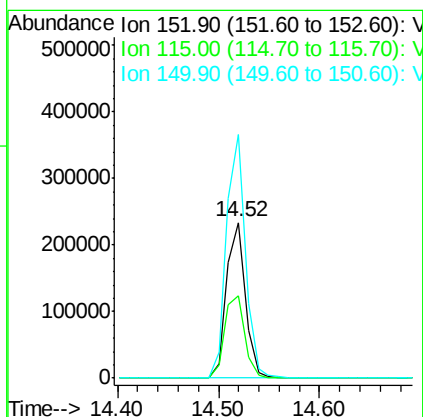
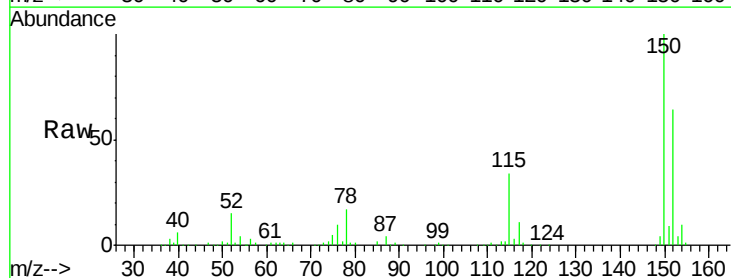
Instrument :
MSVOA_D
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JC-02-031919-H

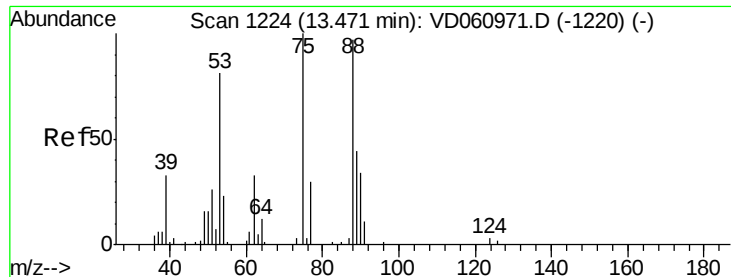
Tot Ion:117 Resp: 856780
Ion Ratio Lower Upper
117 100
82 47.0 38.9 58.3
119 32.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061234.D
Acq: 21 Mar 2019 5:07

Tgt Ion:152 Resp: 306079
Ion Ratio Lower Upper
152 100
115 53.0 28.6 85.9
150 156.3 0.0 310.6





#81

trans-1,4-Dichloro-2-butene

Concen: 83.830 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061234.D

Acq: 21 Mar 2019 5:07

Instrument :

MSVOA_D

ClientSampleId :

JC-02-031919-H

Tot Ion: 75 Resp: 108832

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#

