

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050719\
 Data File : VD062155.D
 Acq On : 8 May 2019 2:52
 Operator : FY/SY
 Sample : K2673-15
 Misc : 5.06g/5mL/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-01-COMP

Quant Time: May 08 04:34:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	129251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	211081	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	175532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	63877	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	107666	89.64	ug/l	0.01
Spiked Amount 50.000			Recovery	=	179.28%	
35) Dibromofluoromethane	6.90	113	98758	56.39	ug/l	0.01
Spiked Amount 50.000			Recovery	=	112.78%	
50) Toluene-d8	10.39	98	162366	38.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.90%	
62) 4-Bromofluorobenzene	13.55	95	67486	39.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.60%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.15	94	1111	5.401	ug/l #	12
16) Acetone	3.21	43	1141	4.530	ug/l #	50
18) Methyl Acetate	3.63	43	1135	2.229	ug/l #	53
20) Methylene Chloride	3.80	84	2878	2.736	ug/l #	92
31) Cyclohexane	7.02	56	1571	1.247	ug/l #	1
36) 1,1-Dichloropropene	7.01	75	8743	5.052	ug/l #	49
38) Carbon Tetrachloride	7.02	117	11471	4.789	ug/l #	12
81) trans-1,4-Dichloro-2-buten	13.55	75	26358	122.993	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD062155.D

Acq: 8 May 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

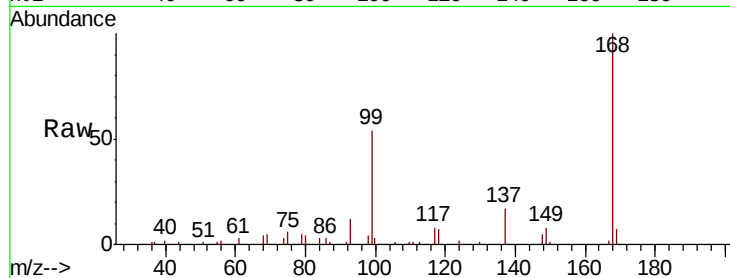
SP-01-COMP

Tot Ion:168 Resp: 129251

Ion Ratio Lower Upper

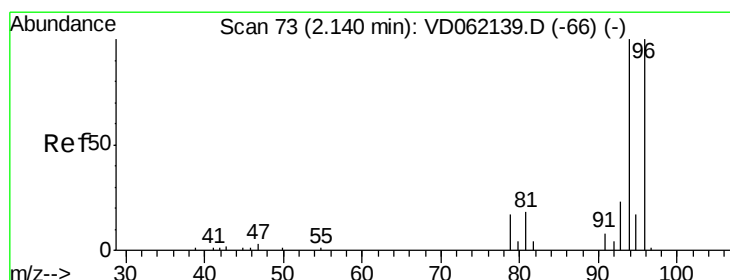
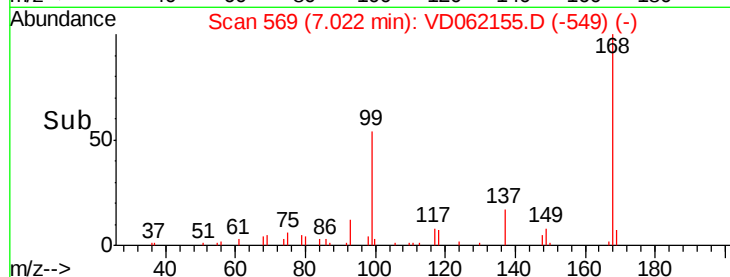
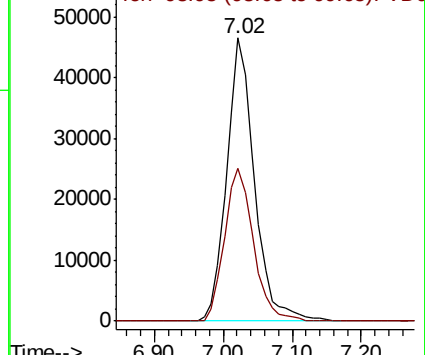
168 100

99 54.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 5.401 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062155.D

Acq: 8 May 2019 2:52

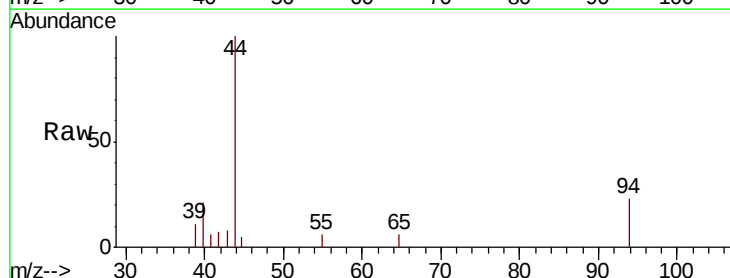
Tgt Ion: 94 Resp: 1111

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

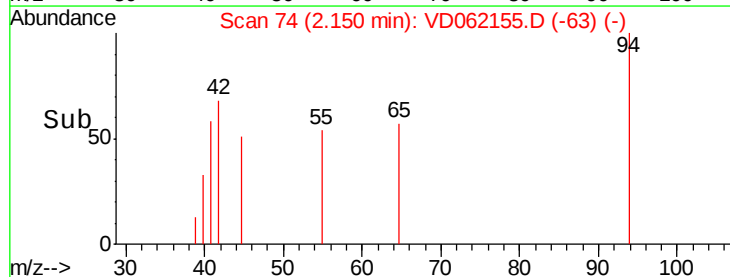
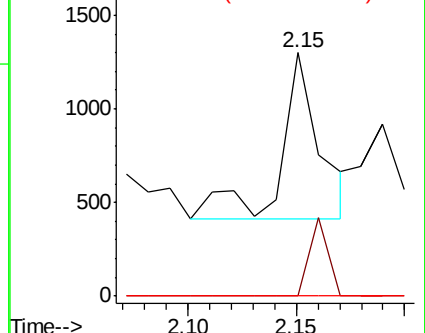
93 0.0 18.5 27.7#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#16

Acetone

Concen: 4.530 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD062155.D

Acq: 8 May 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

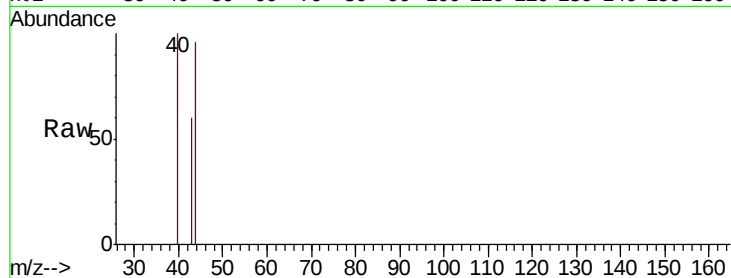
SP-01-COMP

Tot Ion: 43 Resp: 1141

Ion Ratio Lower Upper

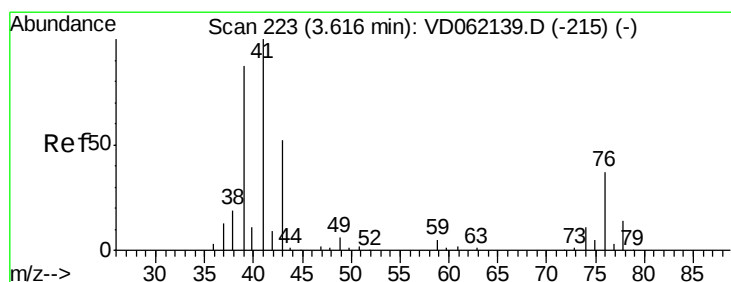
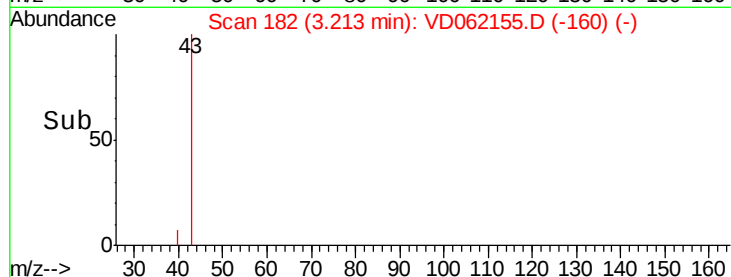
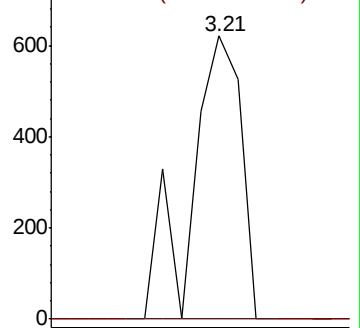
43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 2.229 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD062155.D

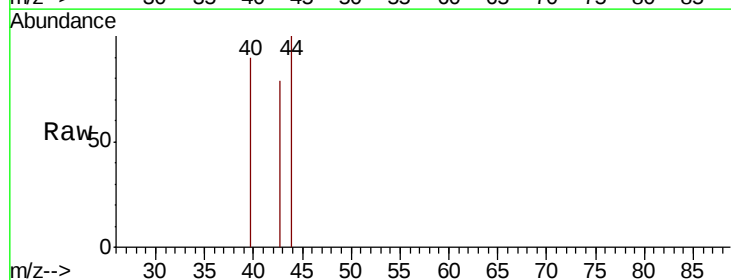
Acq: 8 May 2019 2:52

Tgt Ion: 43 Resp: 1135

Ion Ratio Lower Upper

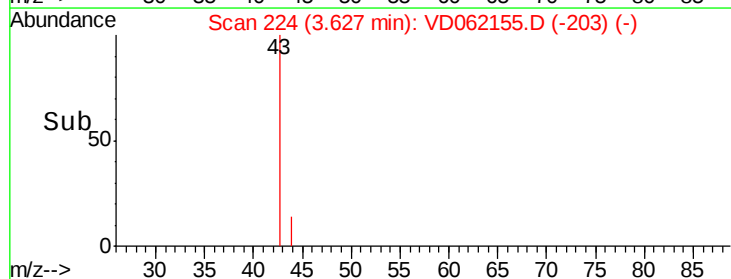
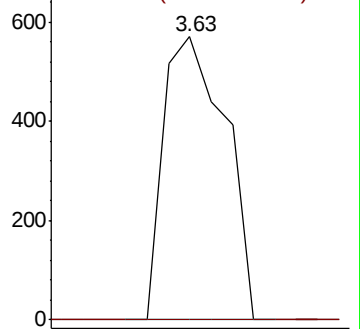
43 100

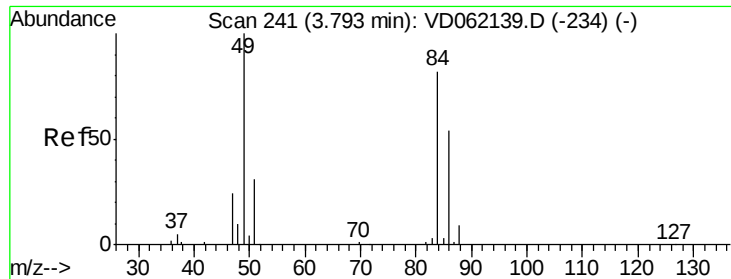
74 0.0 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

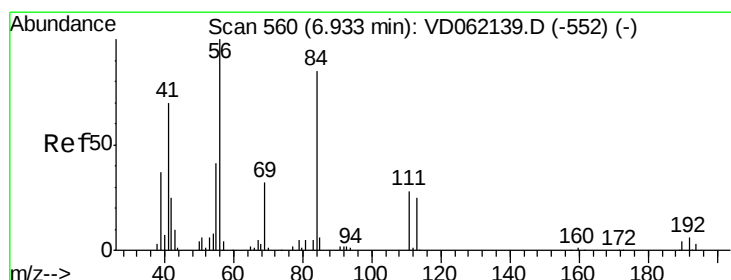
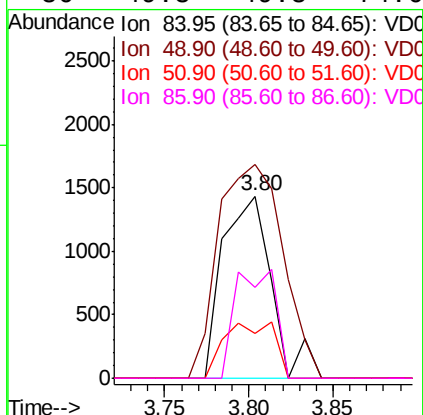
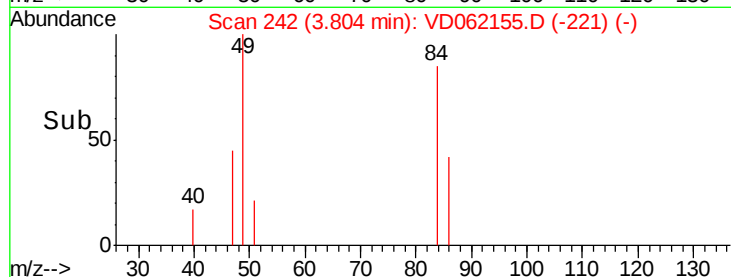
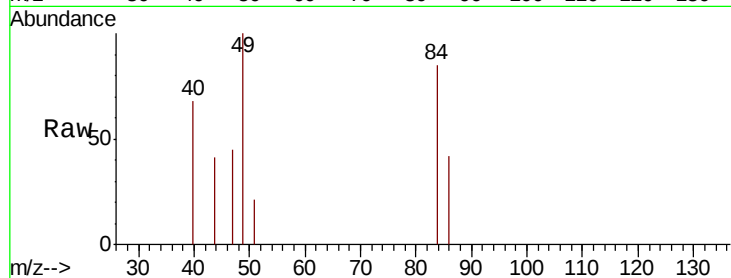




#20
Methylene Chloride
Concen: 2.736 ug/l
RT: 3.80 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD062155.D
Acq: 8 May 2019 2:52

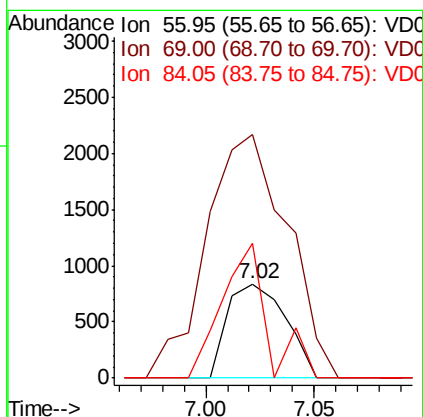
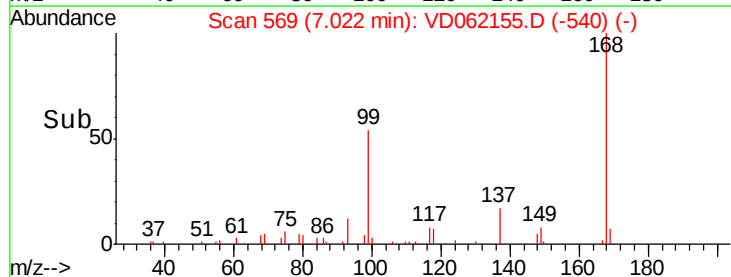
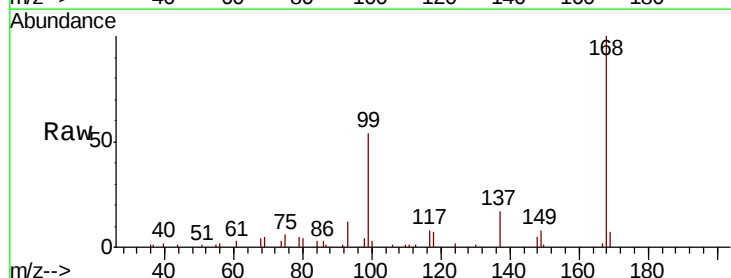
Instrument :
MSVOA_D
ClientSampleID :
SP-01-COMP

Tot Ion: 84 Resp: 2878
Ion Ratio Lower Upper
84 100
49 117.4 94.0 141.0
51 24.7 29.0 43.4#
86 49.8 49.8 74.6



#31
Cyclohexane
Concen: 1.247 ug/l
RT: 7.02 min Scan# 569
Delta R.T. 0.09 min
Lab File: VD062155.D
Acq: 8 May 2019 2:52

Tgt Ion: 56 Resp: 1571
Ion Ratio Lower Upper
56 100
69 258.0 25.8 38.6#
84 143.0 72.2 108.4#





#33

1,2-Dichloroethane-d4

Concen: 89.636 ug/l

RT: 7.43 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD062155.D

Acq: 8 May 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

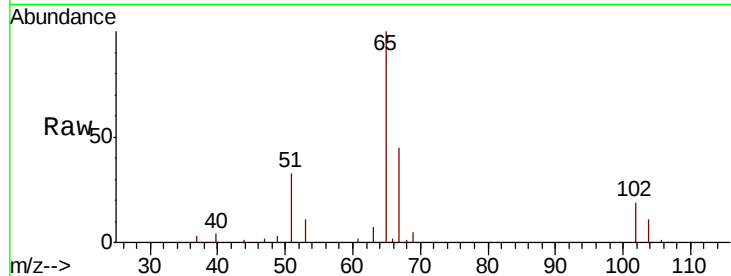
SP-01-COMP

Tot Ion: 65 Resp: 107666

Ion Ratio Lower Upper

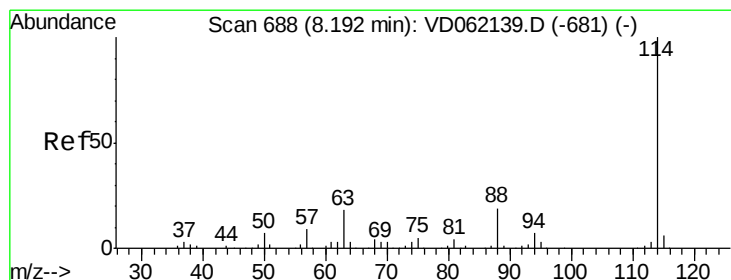
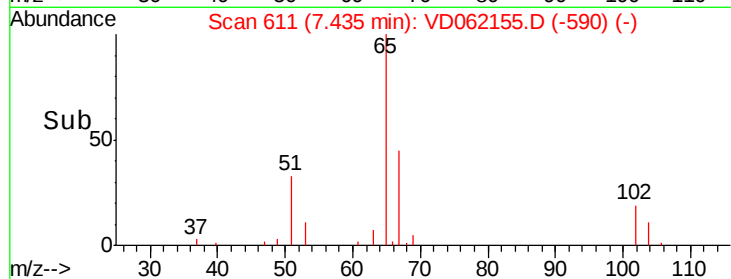
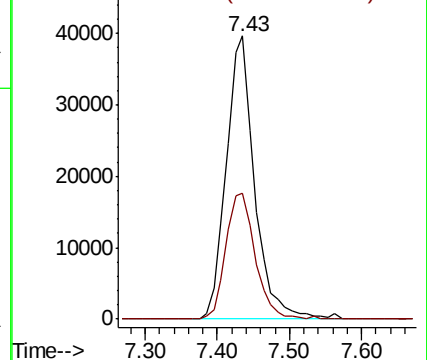
65 100

67 44.7 0.0 98.0



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: 8.19 min Scan# 688

Delta R.T. 0.00 min

Lab File: VD062155.D

Acq: 8 May 2019 2:52

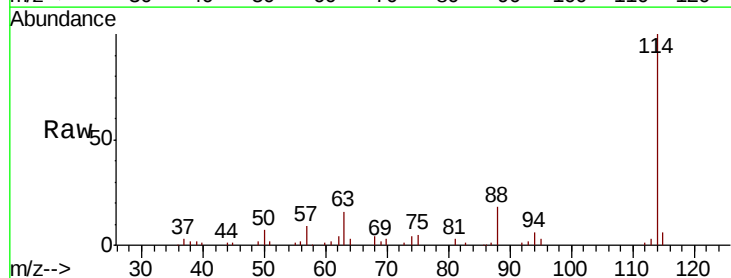
Tgt Ion: 114 Resp: 211081

Ion Ratio Lower Upper

114 100

63 16.5 0.0 32.4

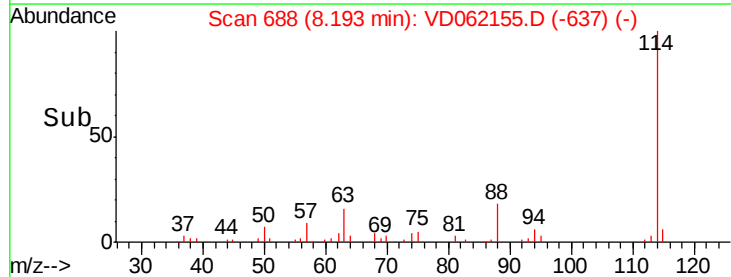
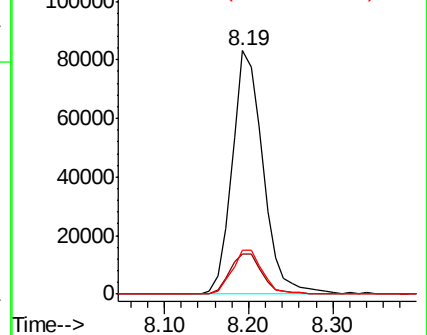
88 18.2 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

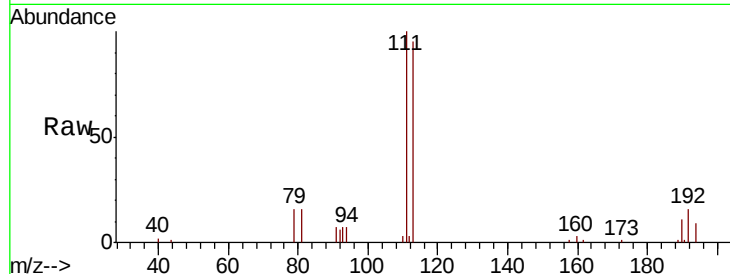




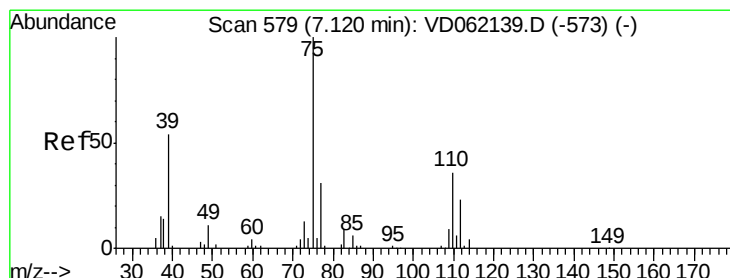
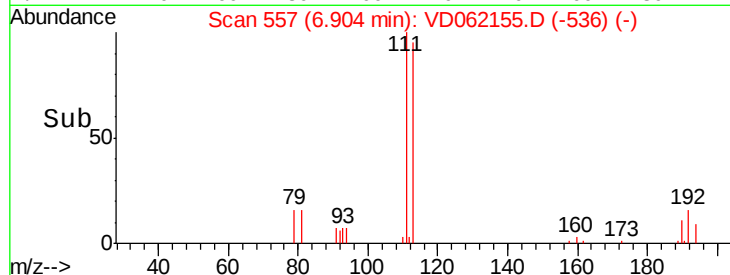
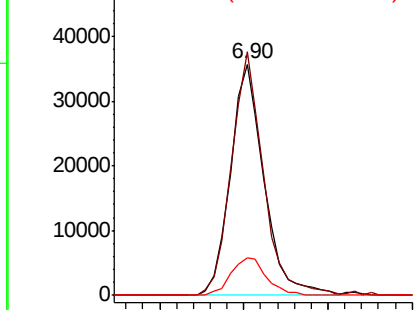
#35
 Dibromofluoromethane
 Concen: 56.389 ug/l
 RT: 6.90 min Scan# 557
 Delta R.T. 0.01 min
 Lab File: VD062155.D
 Acq: 8 May 2019 2:52

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-01-COMP

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.3	78.5	117.7
192	16.5	13.0	19.4

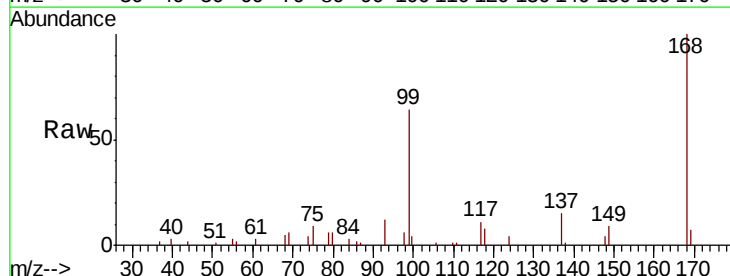


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

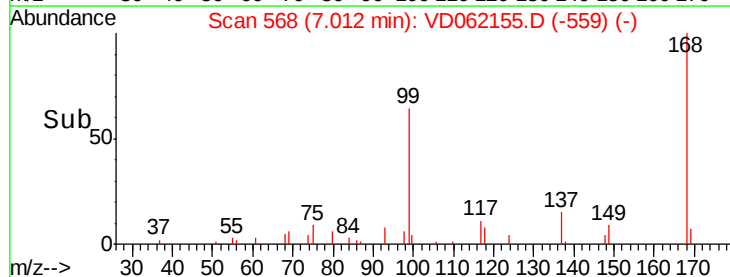
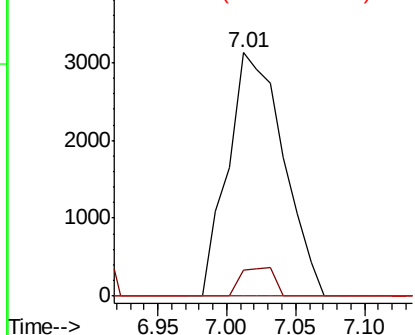


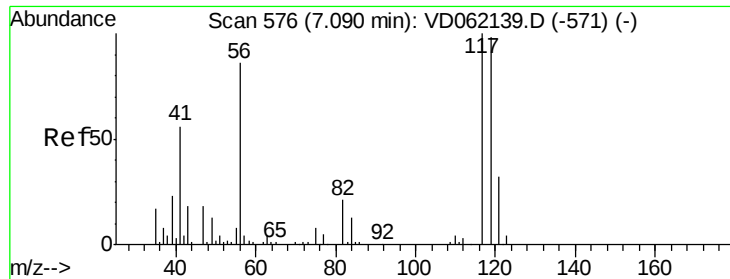
#36
 1,1-Dichloropropene
 Concen: 5.052 ug/l
 RT: 7.01 min Scan# 568
 Delta R.T. -0.11 min
 Lab File: VD062155.D
 Acq: 8 May 2019 2:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.9	19.1	57.1#
77	0.0	25.6	38.4#



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

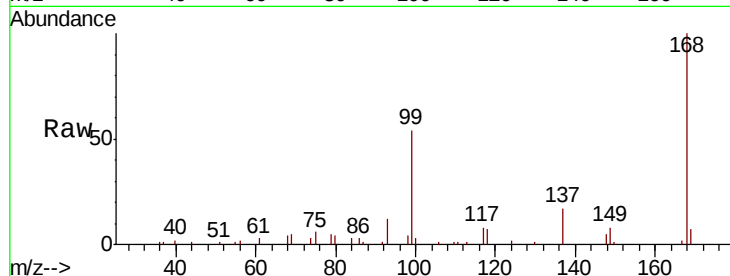




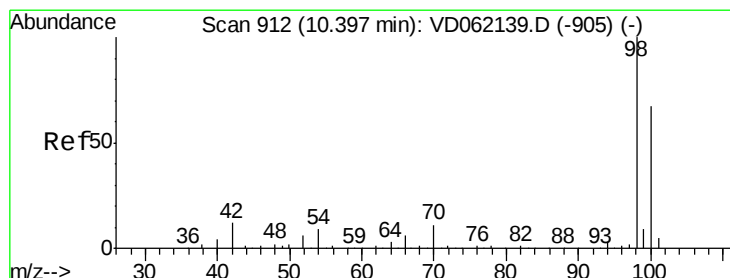
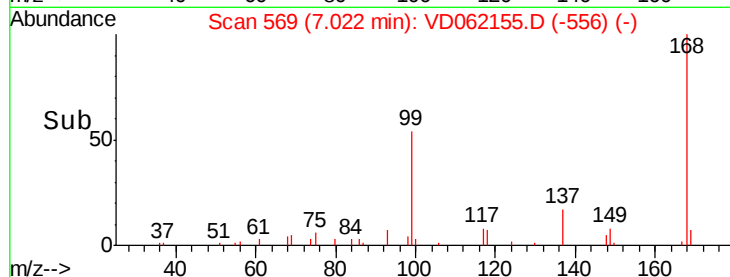
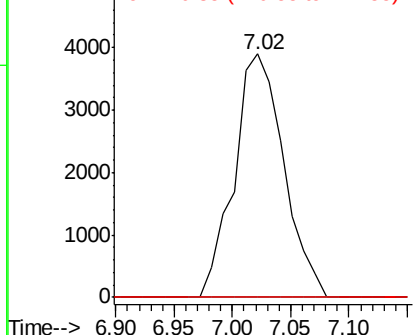
#38
Carbon Tetrachloride
Concen: 4.789 ug/l
RT: 7.02 min Scan# 569
Delta R.T. -0.07 min
Lab File: VD062155.D
Acq: 8 May 2019 2:52

Instrument :
MSVOA_D
ClientSampleId :
SP-01-COMP

Tot Ion:117 Resp: 11471
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
121 0.0 25.9 38.9#

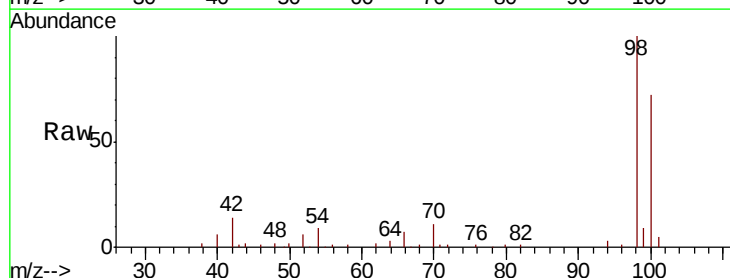


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

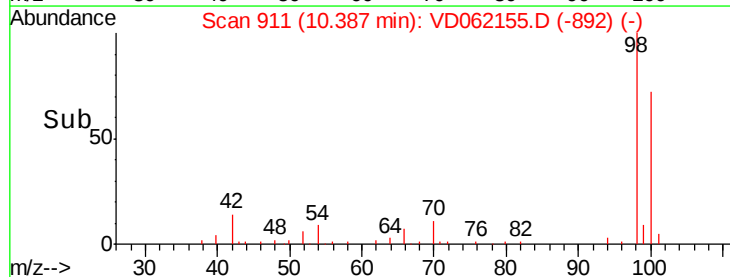
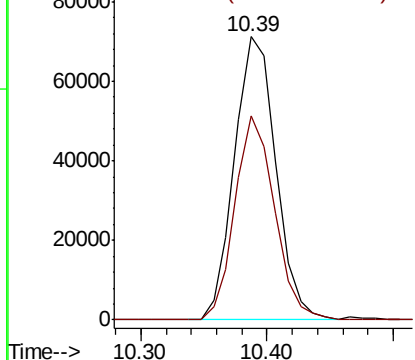


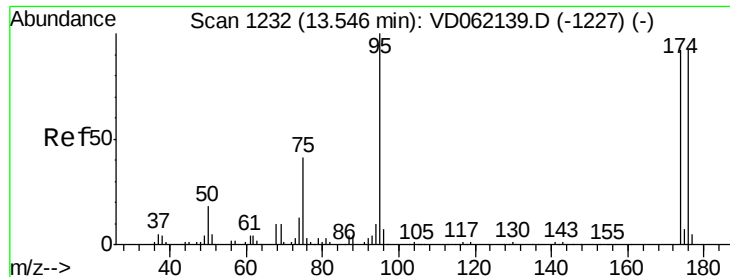
#50
Toluene-d8
Concen: 38.451 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD062155.D
Acq: 8 May 2019 2:52

Tgt Ion: 98 Resp: 162366
Ion Ratio Lower Upper
98 100
100 72.3 53.8 80.8



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





#62

4-Bromofluorobenzene

Concen: 39.799 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062155.D

Acq: 8 May 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

SP-01-COMP

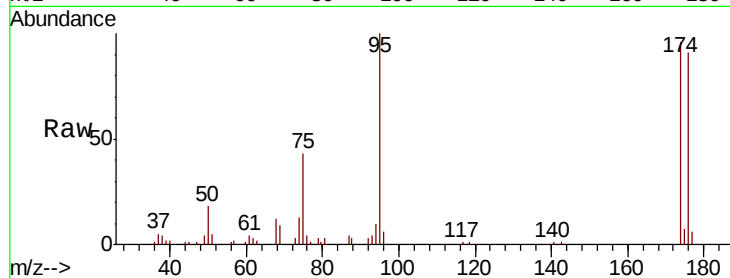
Tot Ion: 95 Resp: 67486

Ion Ratio Lower Upper

95 100

174 96.1 0.0 181.8

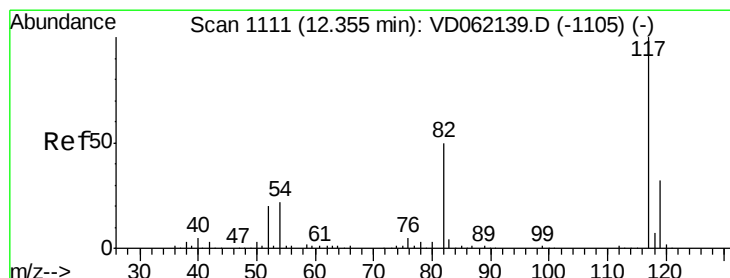
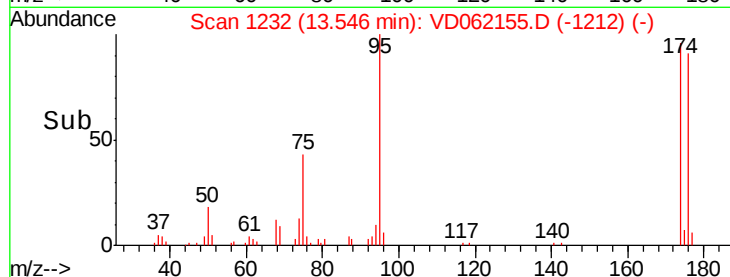
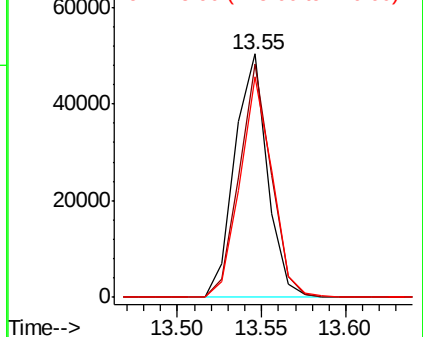
176 90.6 0.0 174.4



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: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD062155.D

Acq: 8 May 2019 2:52

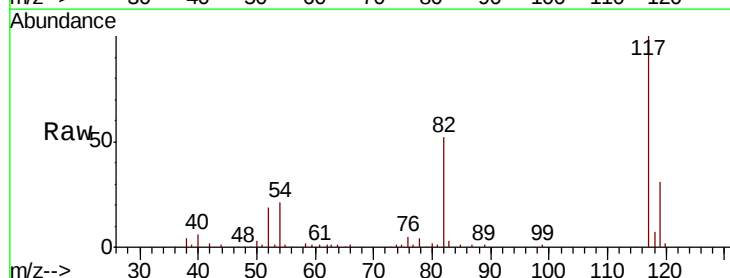
Tgt Ion: 117 Resp: 175532

Ion Ratio Lower Upper

117 100

82 51.6 36.2 54.2

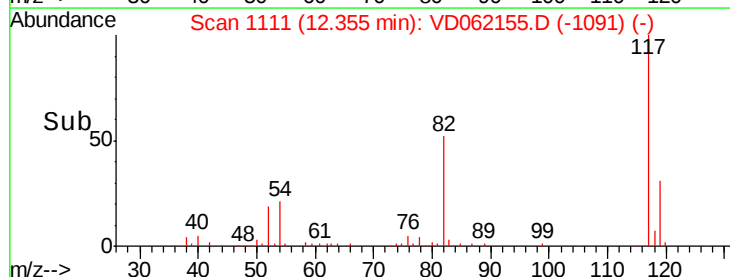
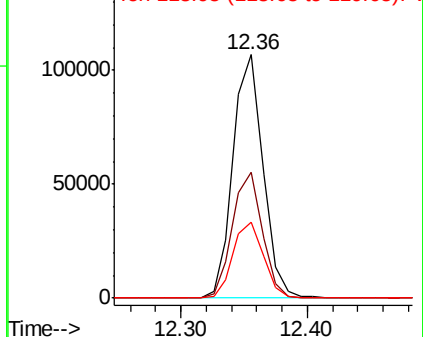
119 31.3 26.2 39.4

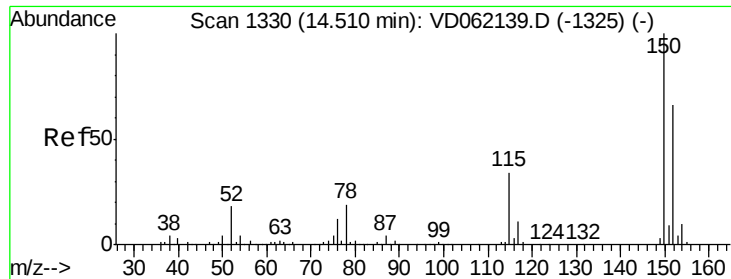


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.51 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062155.D

Acq: 8 May 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

SP-01-COMP

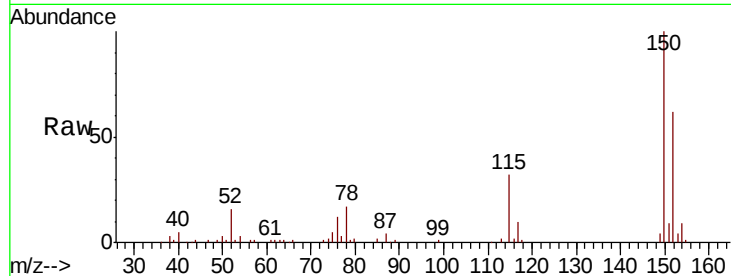
Tot Ion:152 Resp: 63877

Ion Ratio Lower Upper

152 100

115 51.6 30.9 92.7

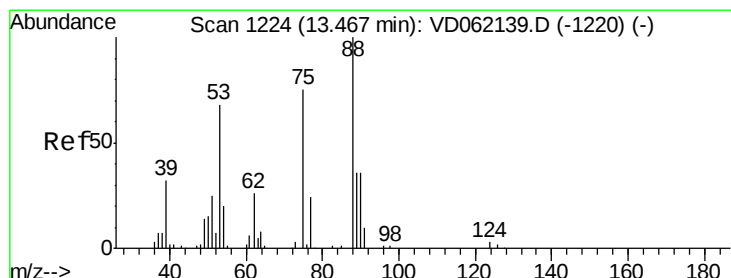
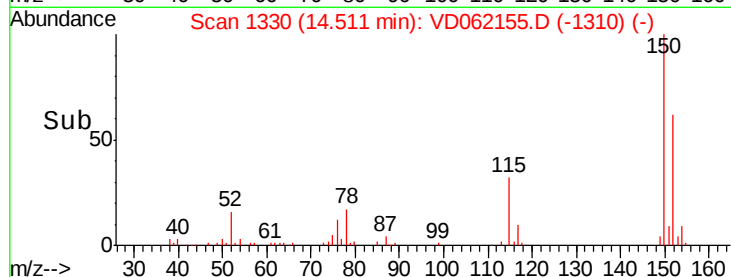
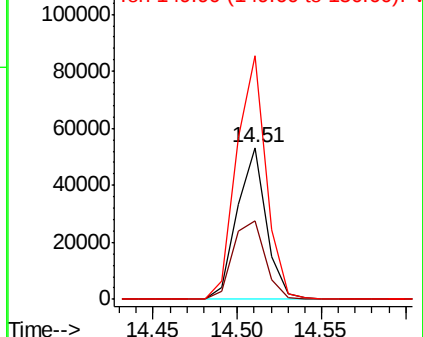
150 160.4 0.0 314.8



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: 122.993 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062155.D

Acq: 8 May 2019 2:52

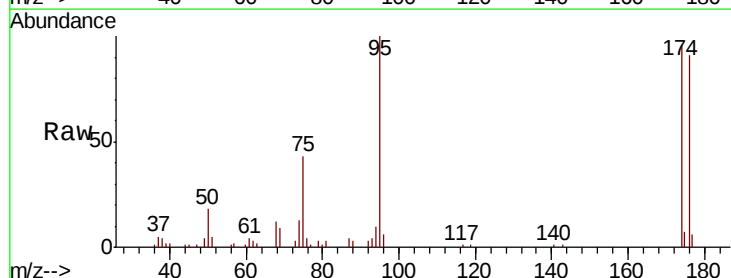
Tgt Ion: 75 Resp: 26358

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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

