

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050719\
 Data File : VD062151.D
 Acq On : 8 May 2019 00:57
 Operator : FY/SY
 Sample : K2673-07
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-14-1.0-1.5

Quant Time: May 08 04:33:50 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	500422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	743296	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	511920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	168528	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	243788	52.42	ug/l	0.01
Spiked Amount			Recovery	=	104.84%	
35) Dibromofluoromethane	6.91	113	319188	51.76	ug/l	0.01
Spiked Amount			Recovery	=	103.52%	
50) Toluene-d8	10.39	98	578239	38.89	ug/l	0.00
Spiked Amount			Recovery	=	77.78%	
62) 4-Bromofluorobenzene	13.54	95	190955	31.98	ug/l	0.00
Spiked Amount			Recovery	=	63.96%	

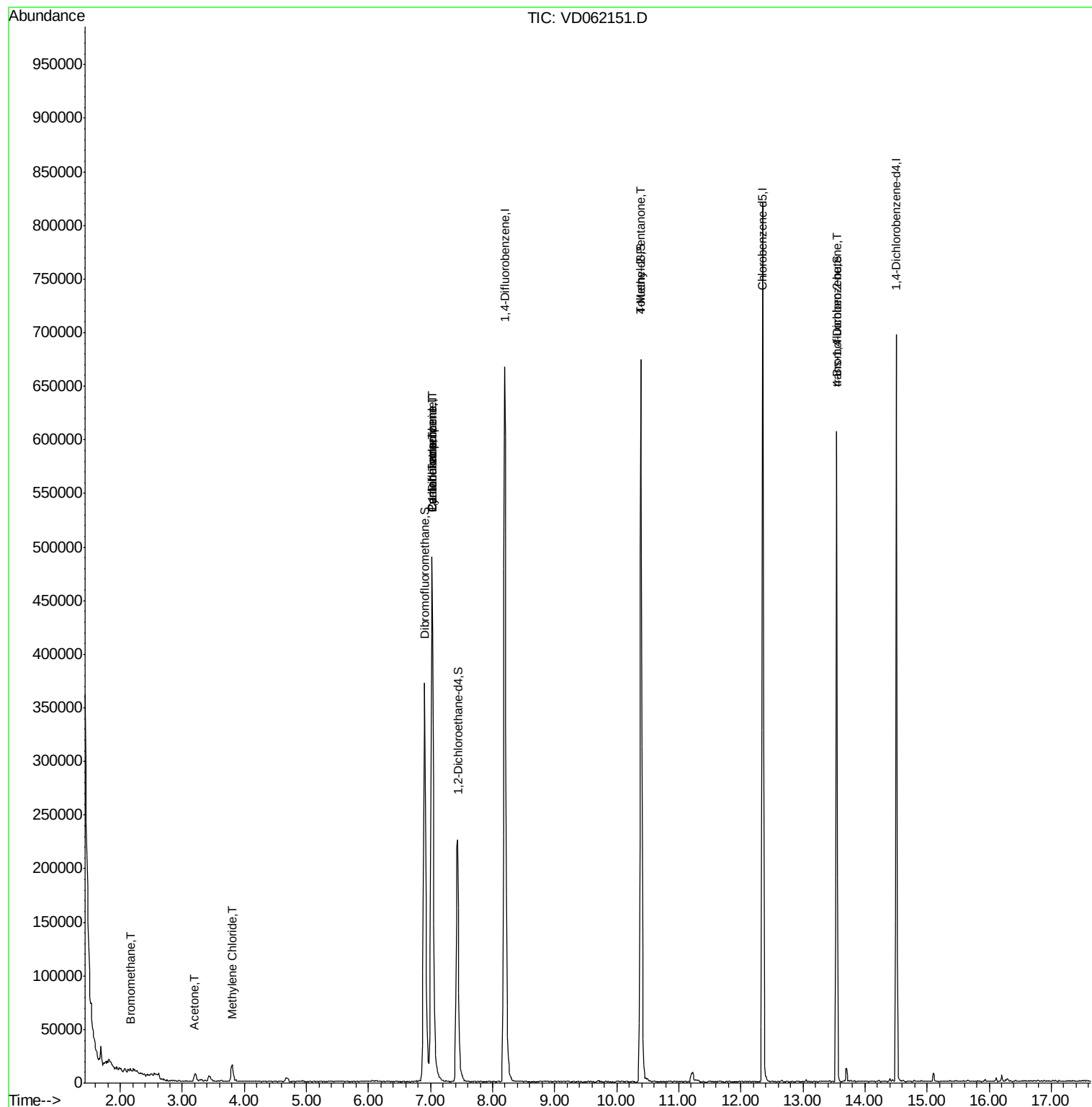
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	855	1.074	ug/l #	12
16) Acetone	3.21	43	13938	14.292	ug/l	97
20) Methylene Chloride	3.81	84	11580	2.844	ug/l #	94
31) Cyclohexane	7.01	56	7969	1.633	ug/l #	9
36) 1,1-Dichloropropene	7.02	75	34457	5.654	ug/l #	45
38) Carbon Tetrachloride	7.02	117	46366	5.497	ug/l #	17
51) 4-Methyl-2-Pentanone	10.40	43	2494	1.058	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.54	75	75720	133.921	ug/l #	16

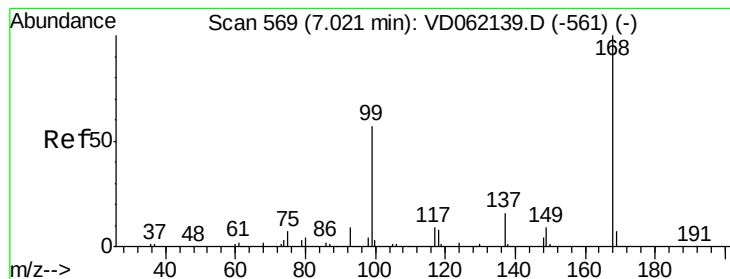
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD062151.D

Acq: 8 May 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

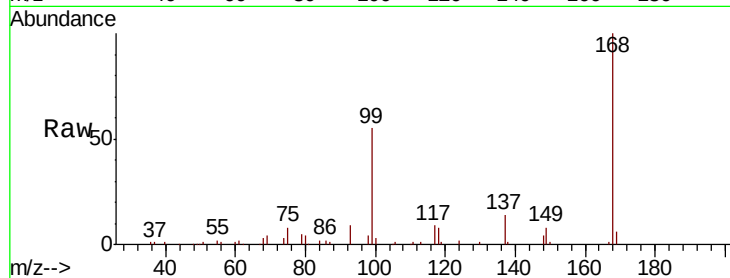
SB-14-1.0-1.5

Tot Ion:168 Resp: 500422

Ion Ratio Lower Upper

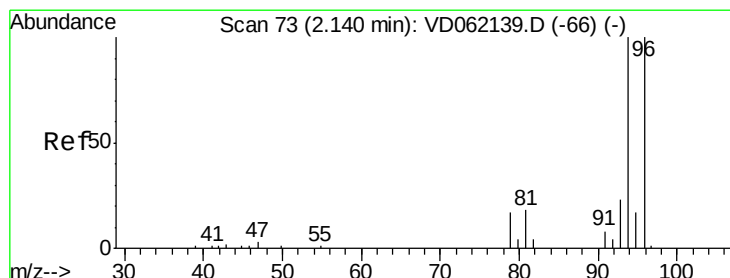
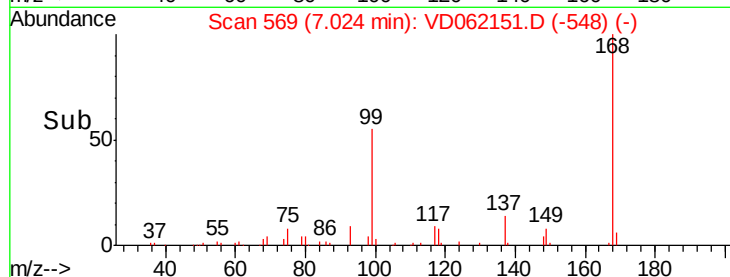
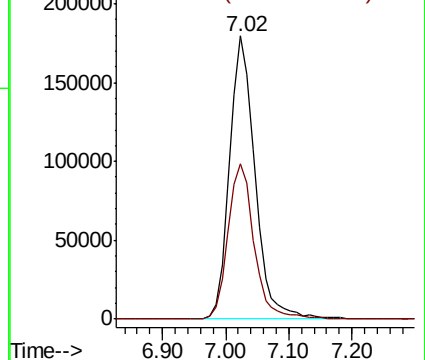
168 100

99 55.0 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: 1.074 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062151.D

Acq: 8 May 2019 00:57

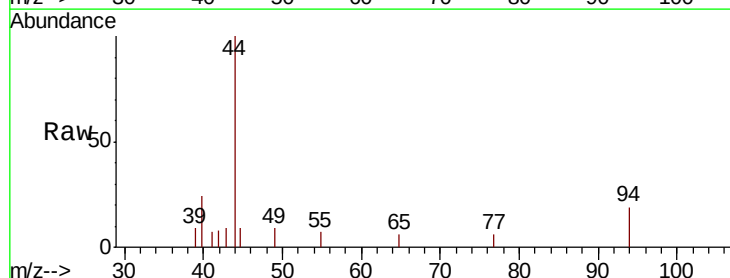
Tgt Ion: 94 Resp: 855

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

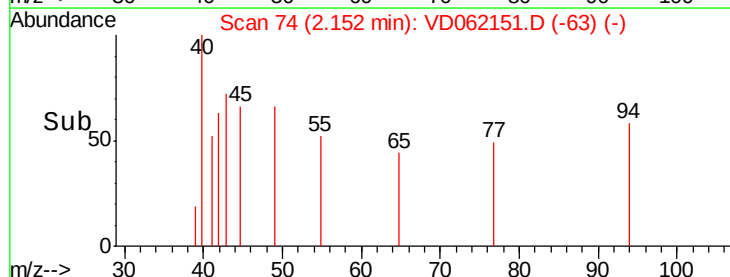
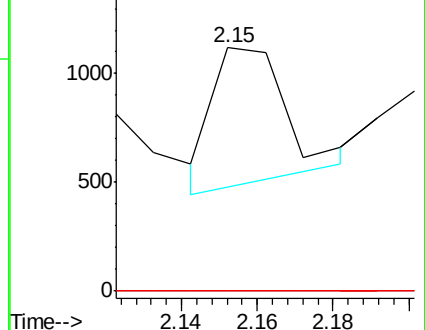
93 0.0 18.5 27.7#

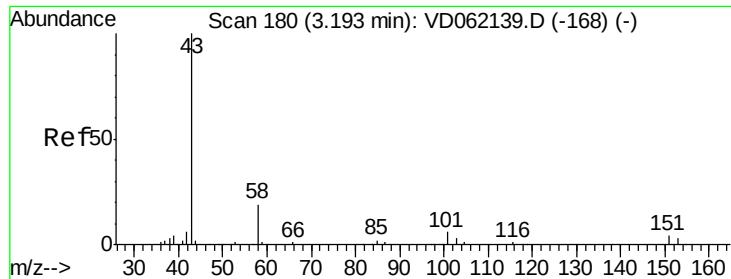


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#16

Acetone

Concen: 14.292 ug/l

RT: 3.21 min Scan# 181

Delta R.T. 0.01 min

Lab File: VD062151.D

Acq: 8 May 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

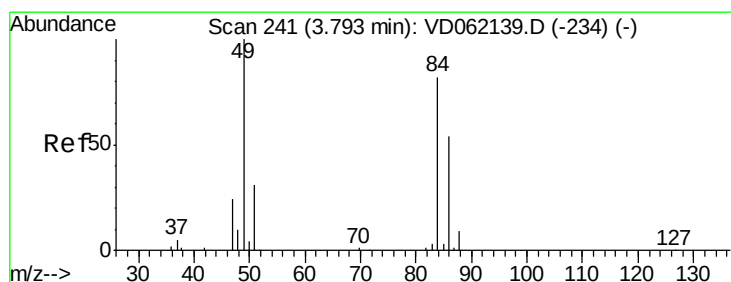
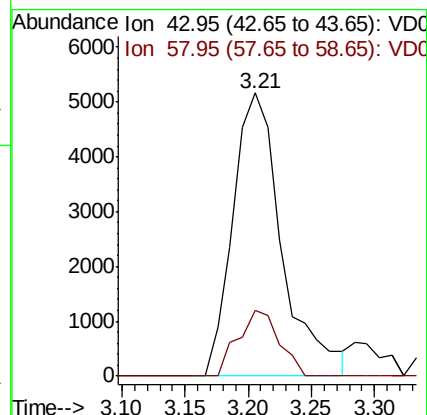
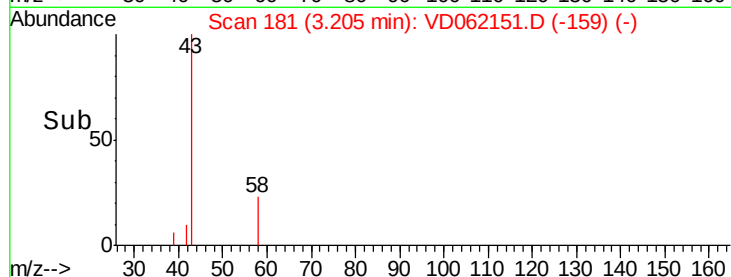
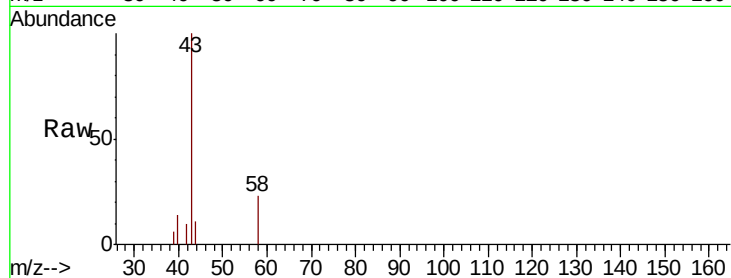
SB-14-1.0-1.5

Tot Ion: 43 Resp: 13938

Ion Ratio Lower Upper

43 100

58 23.2 19.9 29.9



#20

Methylene Chloride

Concen: 2.844 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD062151.D

Acq: 8 May 2019 00:57

Tgt Ion: 84 Resp: 11580

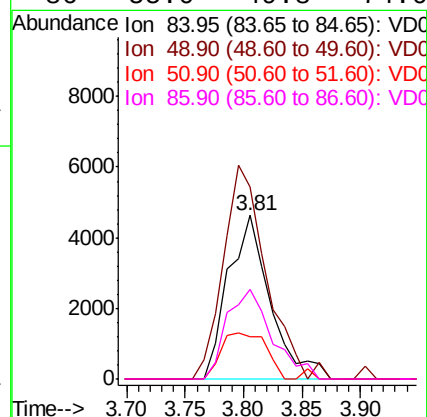
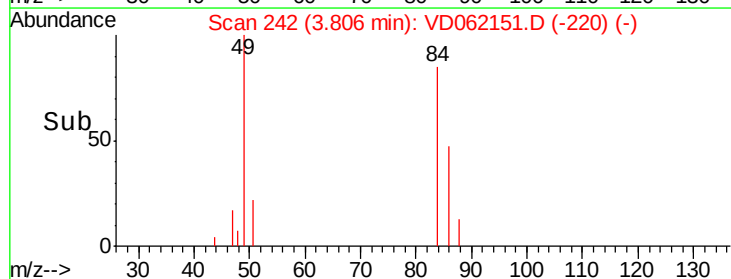
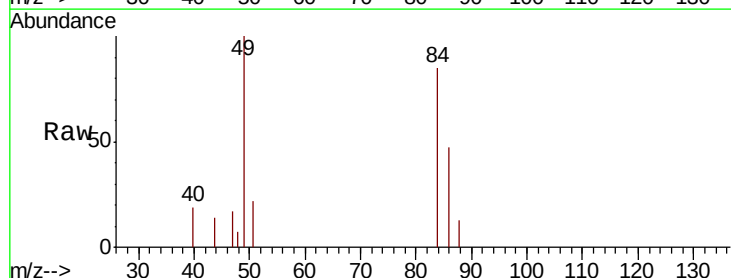
Ion Ratio Lower Upper

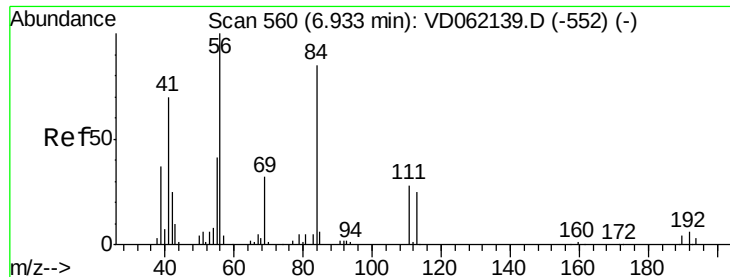
84 100

49 117.1 94.0 141.0

51 25.8 29.0 43.4#

86 55.0 49.8 74.6

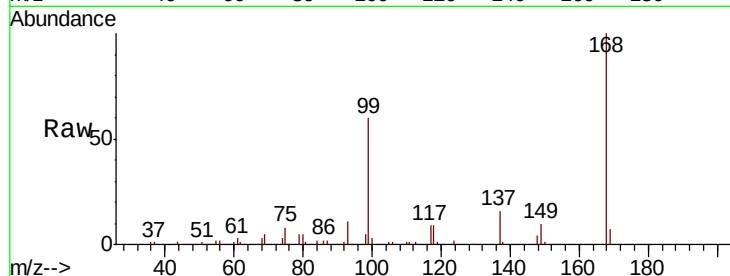




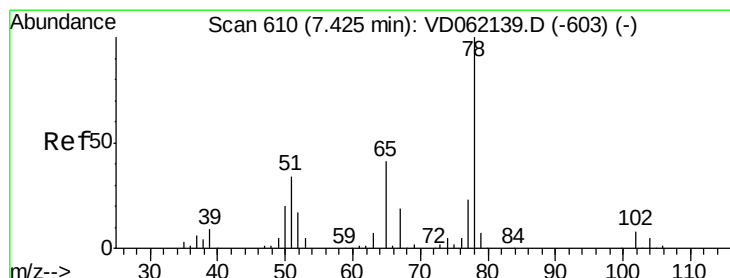
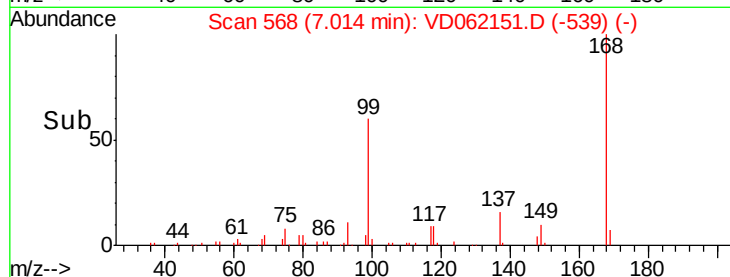
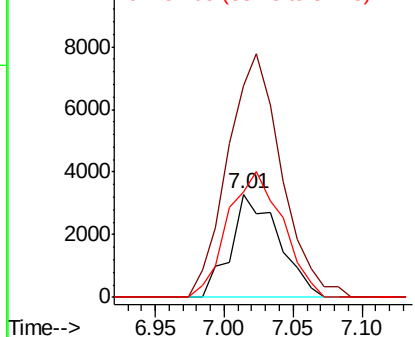
#31
Cyclohexane
Concen: 1.633 ug/l
RT: 7.01 min Scan# 568
Delta R.T. 0.08 min
Lab File: VD062151.D
Acq: 8 May 2019 00:57

Instrument :
MSVOA_D
ClientSampleID :
SB-14-1.0-1.5

Tot Ion: 56 Resp: 7969
Ion Ratio Lower Upper
56 100
69 205.2 25.8 38.6#
84 102.4 72.2 108.4

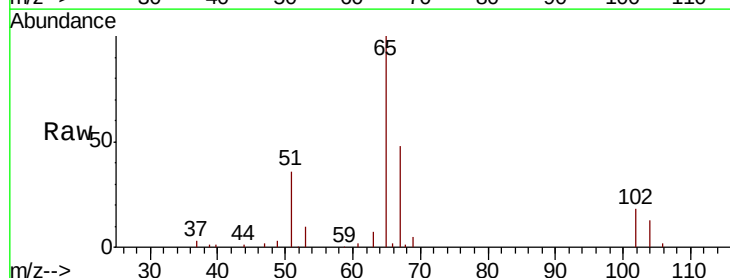


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

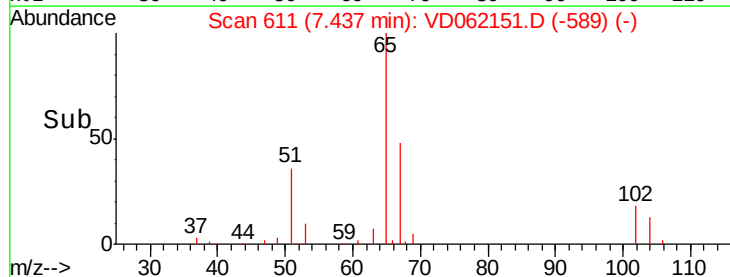
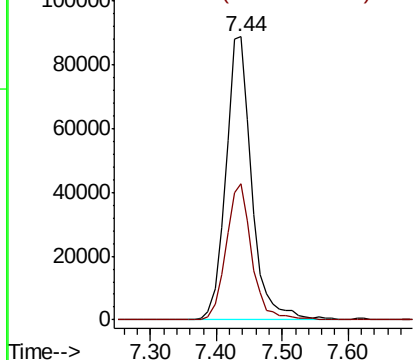


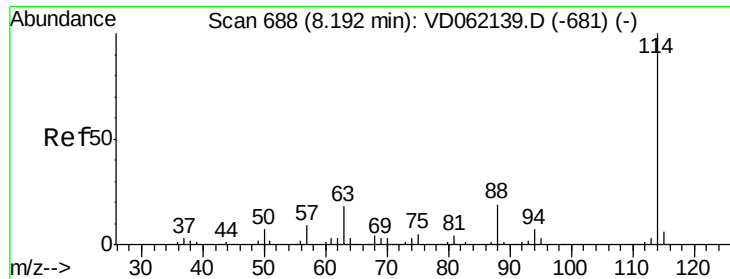
#33
1,2-Dichloroethane-d4
Concen: 52.422 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.01 min
Lab File: VD062151.D
Acq: 8 May 2019 00:57

Tgt Ion: 65 Resp: 243788
Ion Ratio Lower Upper
65 100
67 48.1 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

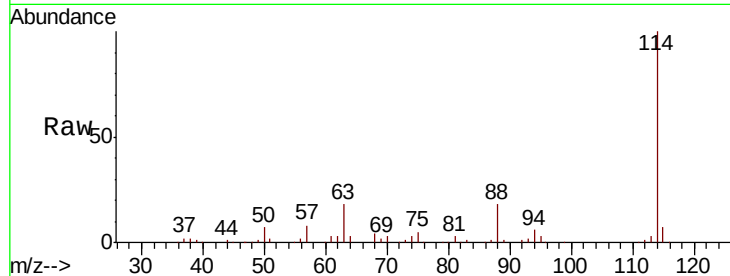




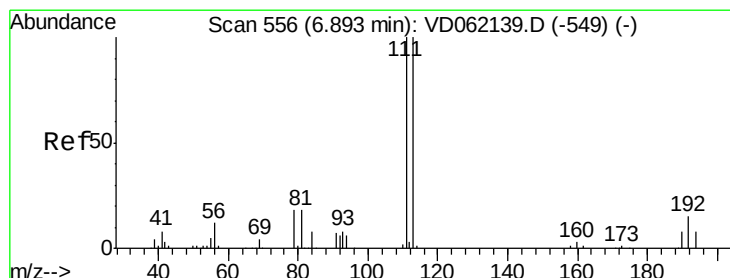
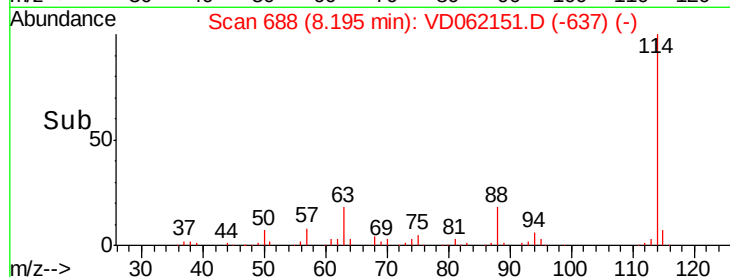
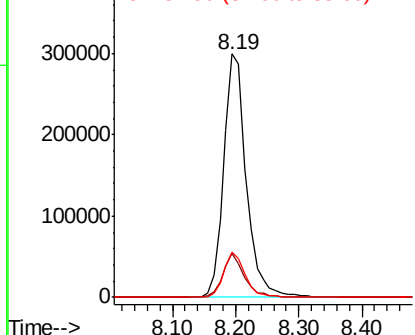
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.19 min Scan# 688
Delta R.T. 0.00 min
Lab File: VD062151.D
Acq: 8 May 2019 00:57

Instrument :
MSVOA_D
ClientSampleId :
SB-14-1.0-1.5

Tot Ion:114 Resp: 743296
Ion Ratio Lower Upper
114 100
63 18.2 0.0 32.4
88 18.3 0.0 33.6

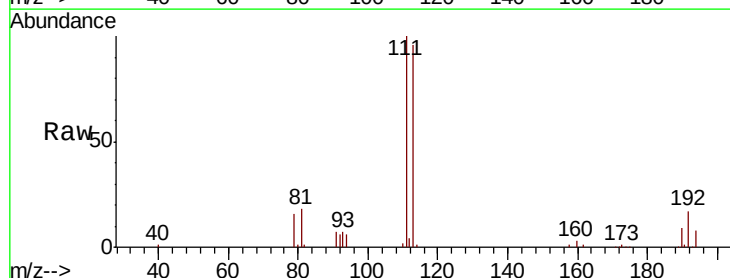


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

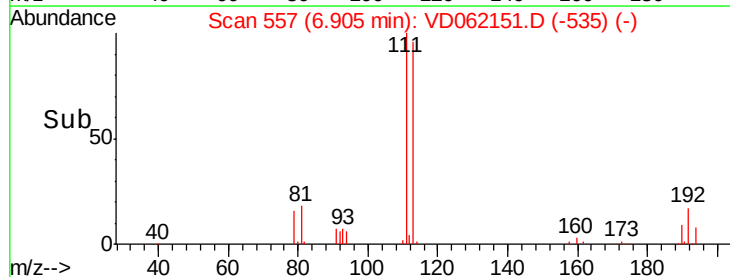
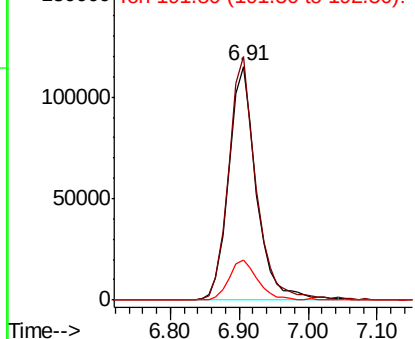


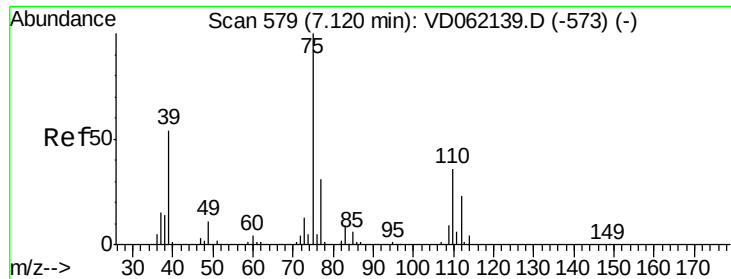
#35
Dibromofluoromethane
Concen: 51.756 ug/l
RT: 6.91 min Scan# 557
Delta R.T. 0.01 min
Lab File: VD062151.D
Acq: 8 May 2019 00:57

Tgt Ion:113 Resp: 319188
Ion Ratio Lower Upper
113 100
111 104.2 78.5 117.7
192 17.4 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

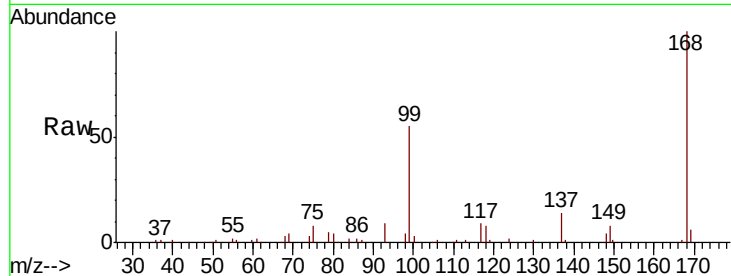




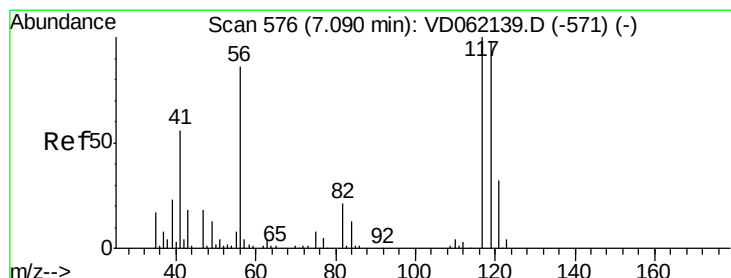
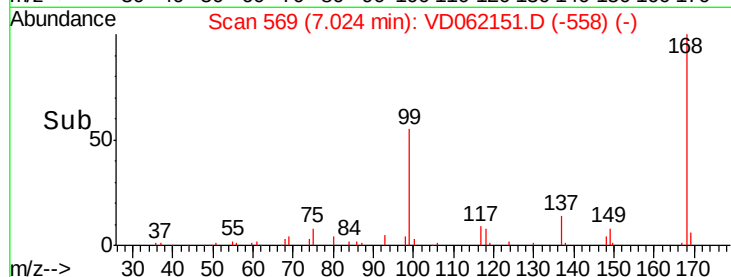
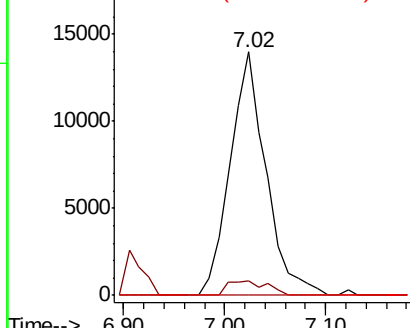
#36
 1,1-Dichloropropene
 Concen: 5.654 ug/l
 RT: 7.02 min Scan# 569
 Delta R.T. -0.10 min
 Lab File: VD062151.D
 Acq: 8 May 2019 00:57

Instrument :
 MSVOA_D
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 SB-14-1.0-1.5

Tot Ion	Ratio	Lower	Upper
75	100		
110	6.0	19.1	57.1#
77	0.0	25.6	38.4#

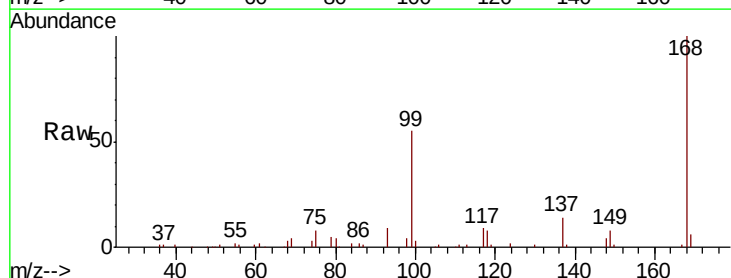


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

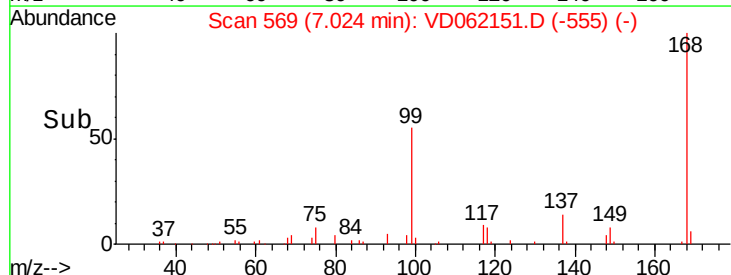
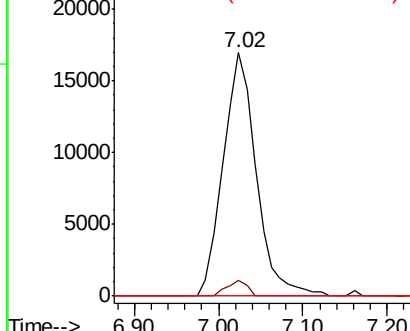


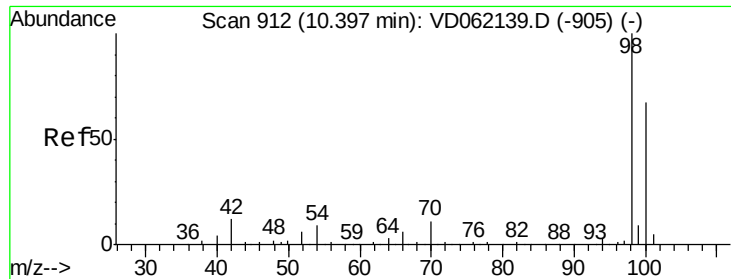
#38
 Carbon Tetrachloride
 Concen: 5.497 ug/l
 RT: 7.02 min Scan# 569
 Delta R.T. -0.07 min
 Lab File: VD062151.D
 Acq: 8 May 2019 00:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.6	75.8	113.8#
121	0.0	25.9	38.9#



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





#50

Toluene-d8

Concen: 38.887 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD062151.D

Acq: 8 May 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

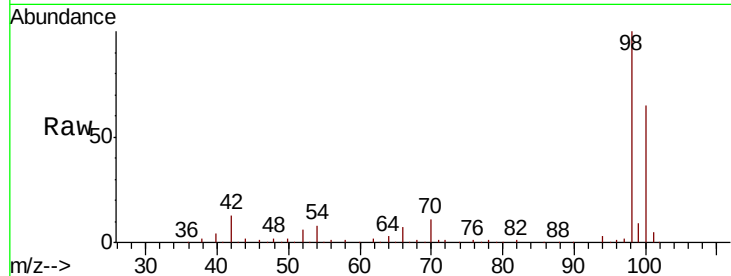
SB-14-1.0-1.5

Tot Ion: 98 Resp: 578239

Ion Ratio Lower Upper

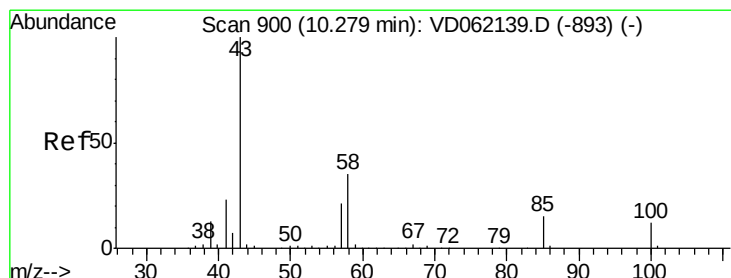
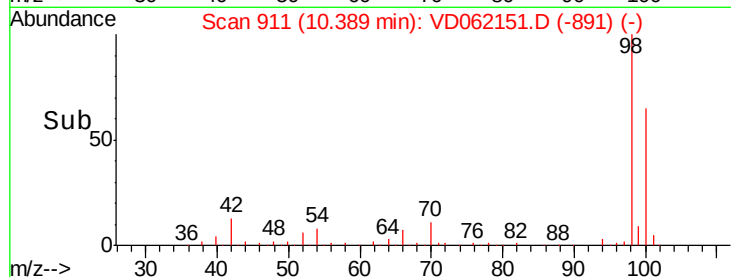
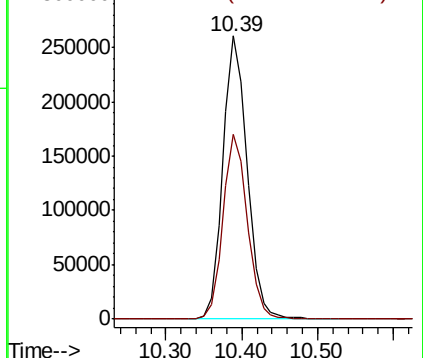
98 100

100 65.3 53.8 80.8



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: 1.058 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.12 min

Lab File: VD062151.D

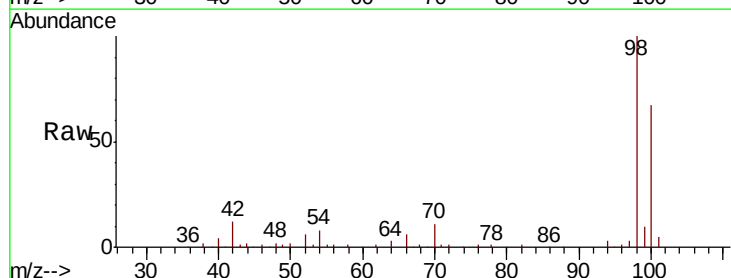
Acq: 8 May 2019 00:57

Tgt Ion: 43 Resp: 2494

Ion Ratio Lower Upper

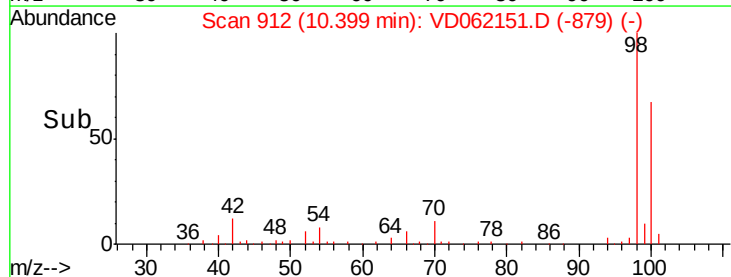
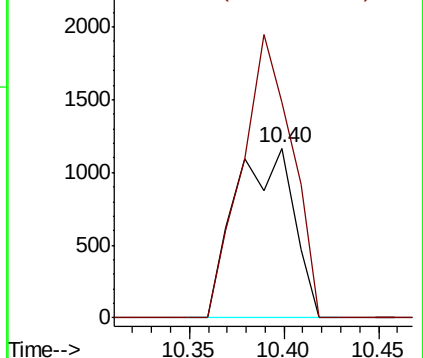
43 100

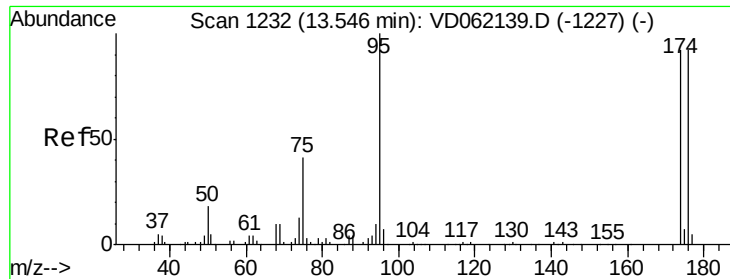
58 127.4 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: 31.980 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062151.D

Acq: 8 May 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

SB-14-1.0-1.5

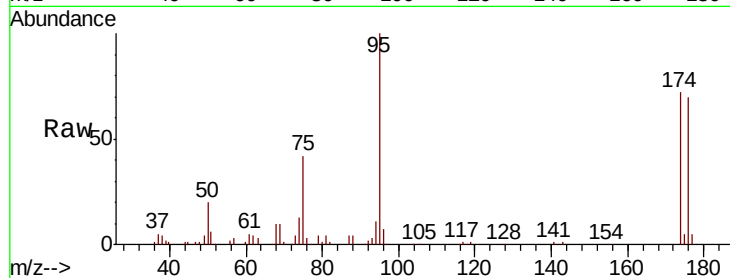
Tot Ion: 95 Resp: 190955

Ion Ratio Lower Upper

95 100

174 71.6 0.0 181.8

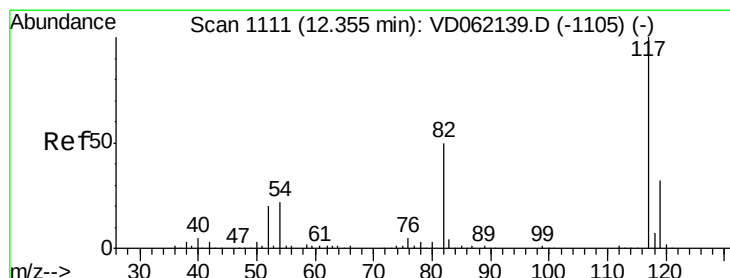
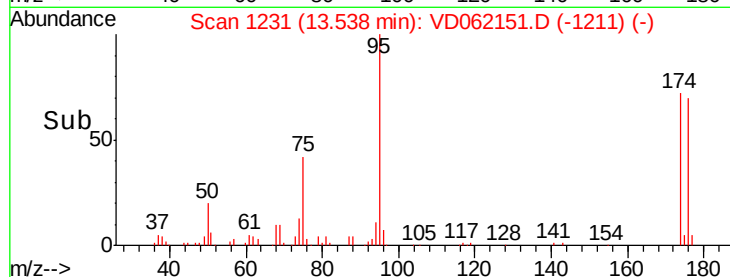
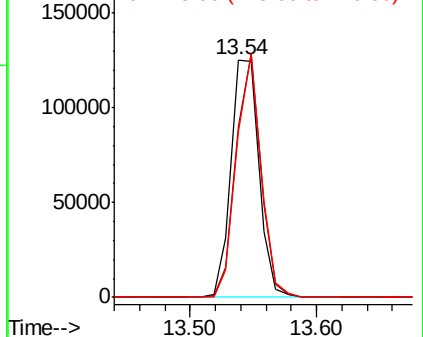
176 69.7 0.0 174.4



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: VD062151.D

Acq: 8 May 2019 00:57

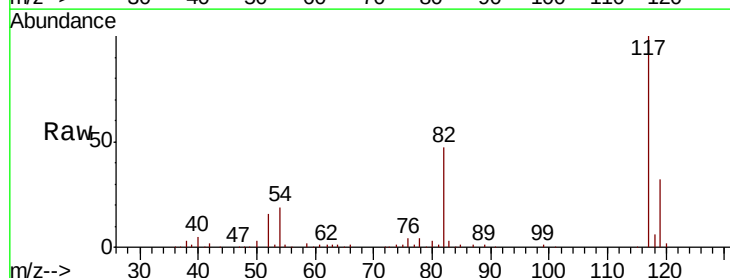
Tgt Ion: 117 Resp: 511920

Ion Ratio Lower Upper

117 100

82 47.3 36.2 54.2

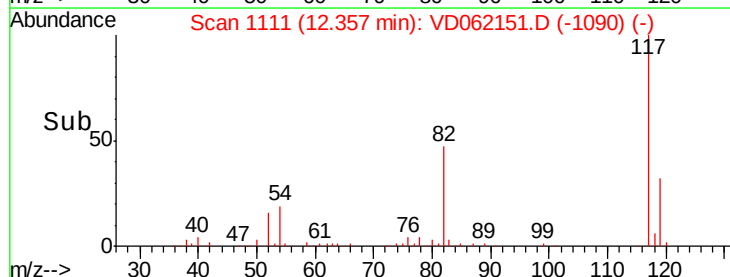
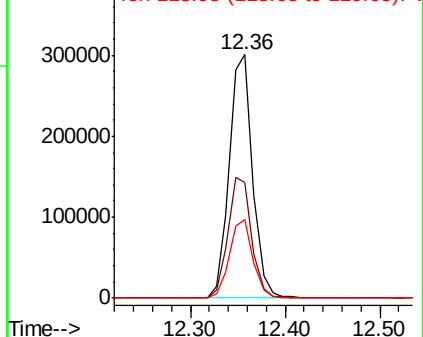
119 32.4 26.2 39.4

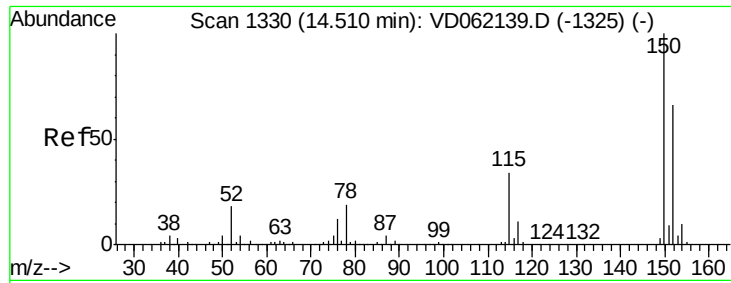


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062151.D

Acq: 8 May 2019 00:57

Instrument :

MSVOA_D

ClientSampleId :

SB-14-1.0-1.5

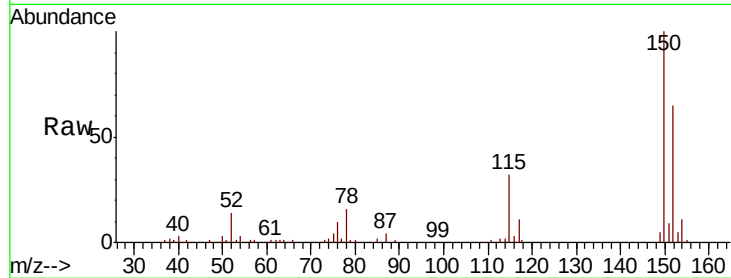
Tot Ion:152 Resp: 168528

Ion Ratio Lower Upper

152 100

115 50.0 30.9 92.7

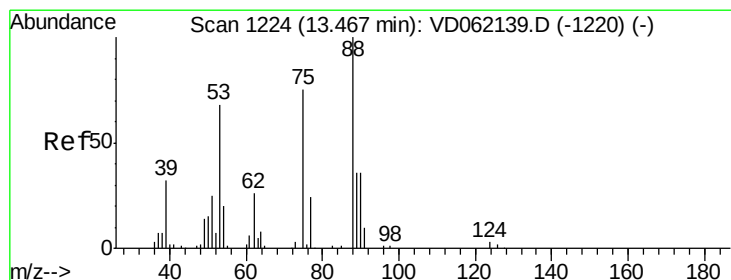
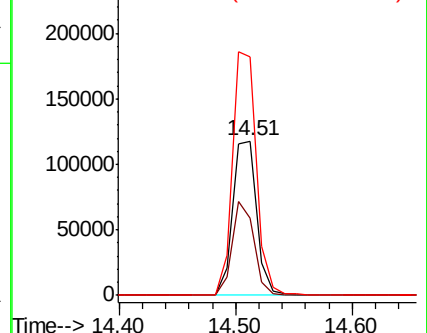
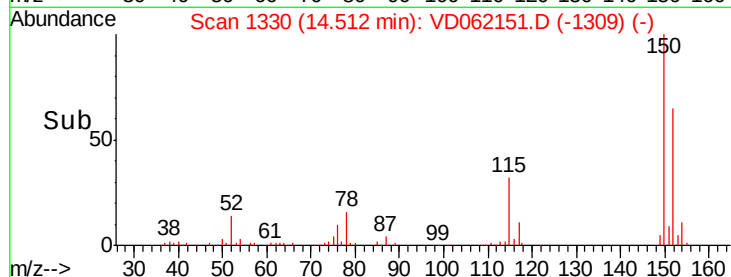
150 154.5 0.0 314.8



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: 133.921 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD062151.D

Acq: 8 May 2019 00:57

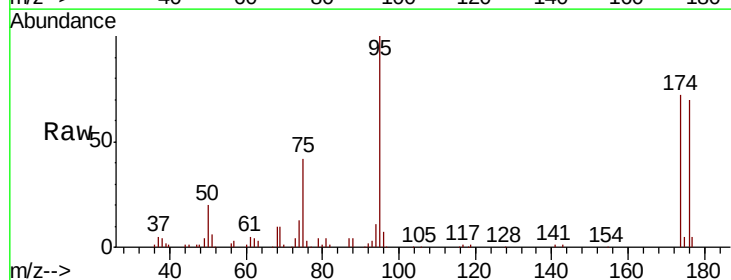
Tgt Ion: 75 Resp: 75720

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): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

