

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\
 Data File : VD062020.D
 Acq On : 25 Apr 2019 4:56
 Operator : VA/AP
 Sample : K2542-14
 Misc : 5.79g/5ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 25 07:21:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	578539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	974207	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	820809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	350091	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	233834	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
35) Dibromofluoromethane	6.93	113	346270	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	
50) Toluene-d8	10.42	98	740734	46.20	ug/l	0.00
Spiked Amount			Recovery	=	92.40%	
62) 4-Bromofluorobenzene	13.56	95	291514	45.33	ug/l	0.00
Spiked Amount			Recovery	=	90.66%	

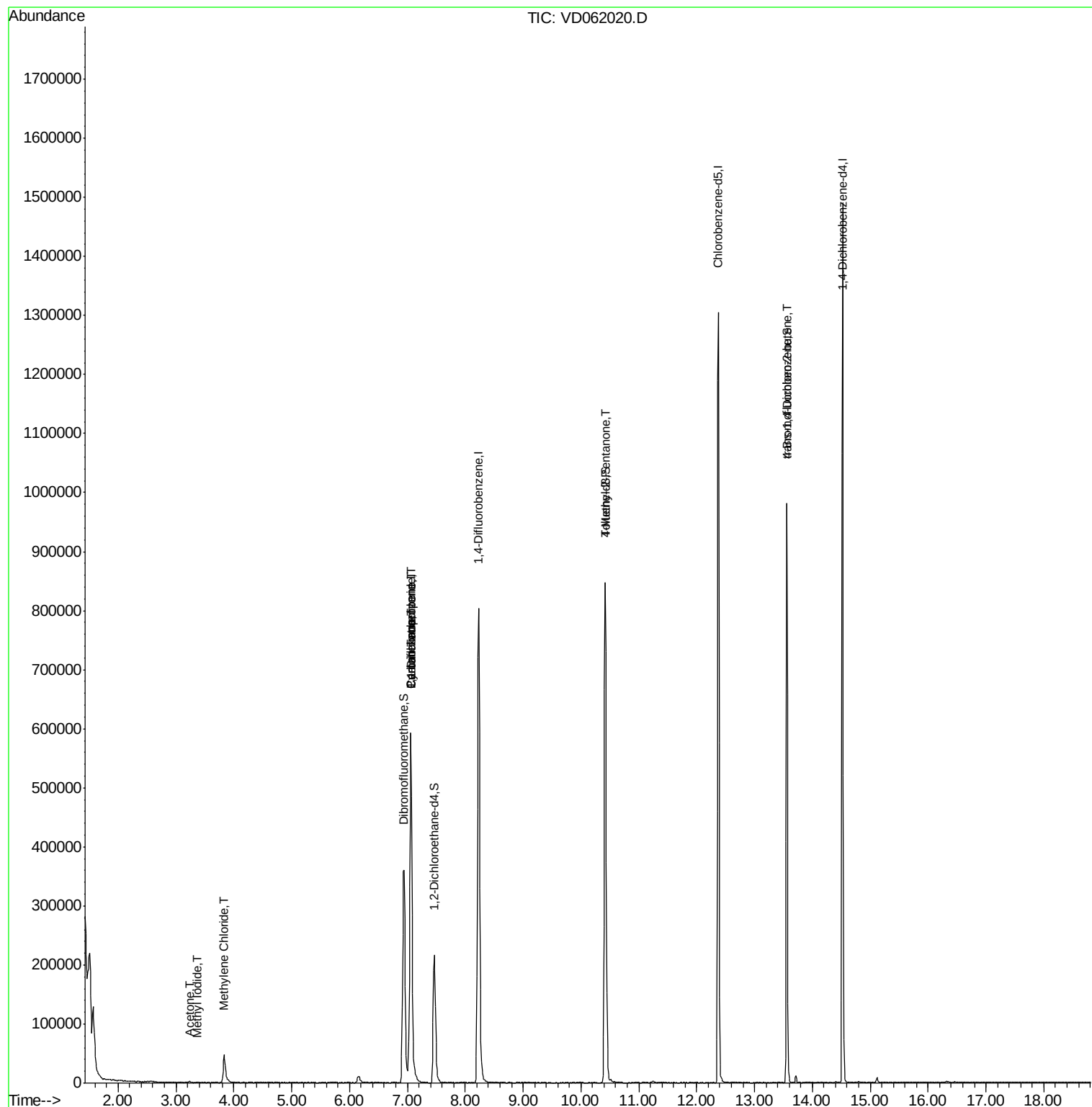
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.36	142	191	5.449	ug/l #	37
16) Acetone	3.24	43	4571	4.228	ug/l #	50
20) Methylene Chloride	3.83	84	35966	3.893	ug/l	91
31) Cyclohexane	7.06	56	9565	1.418	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	43943	5.789	ug/l #	47
38) Carbon Tetrachloride	7.06	117	57678	5.997	ug/l #	16
51) 4-Methyl-2-Pentanone	10.41	43	2898	1.003	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	113547	84.284	ug/l #	16

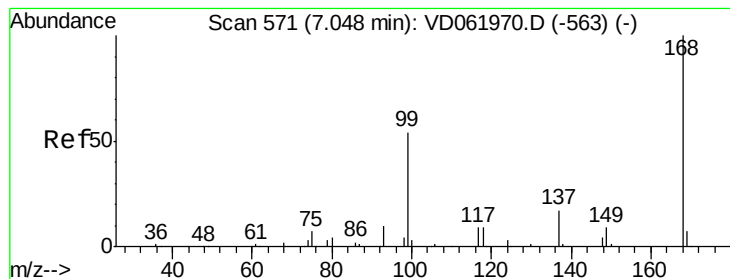
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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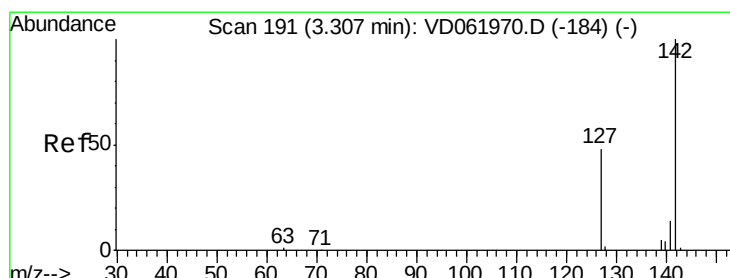
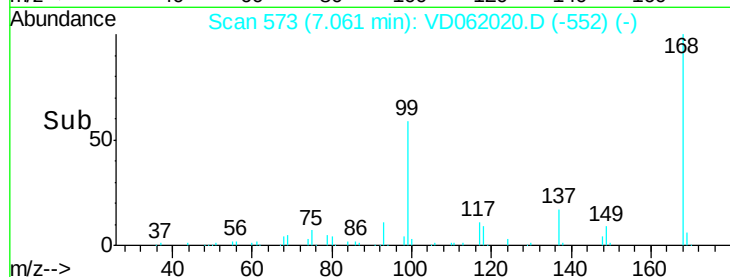
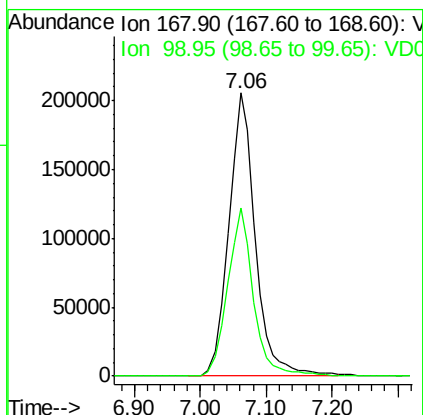
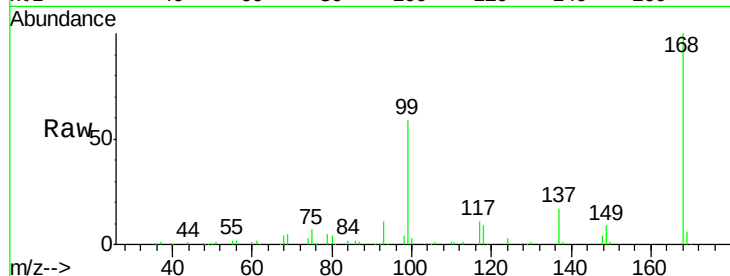




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.01 min
Lab File: VD062020.D
Acq: 25 Apr 2019 4:56

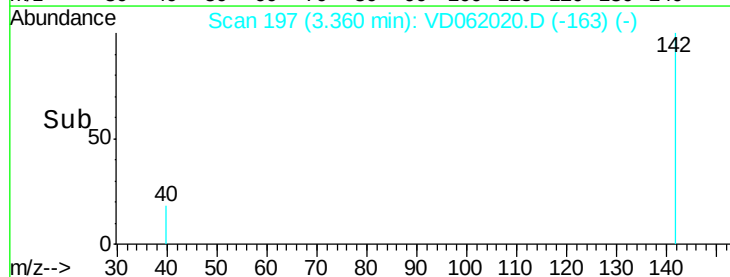
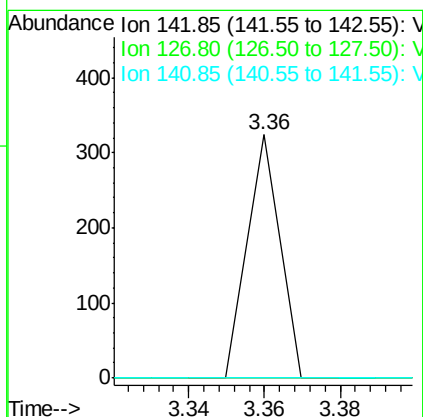
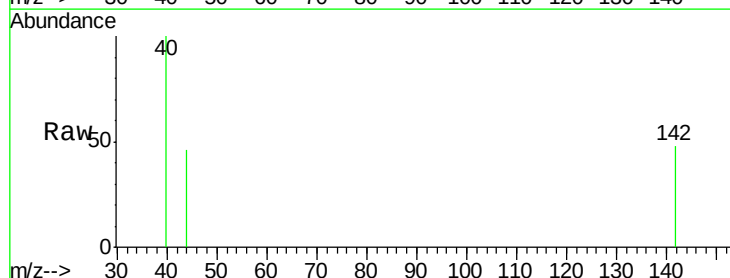
Instrument :
MSVOA_D
ClientSampleId :

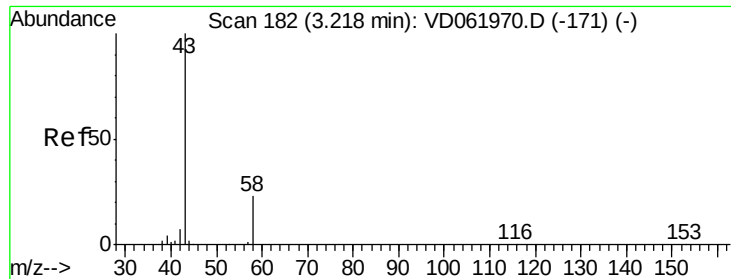
Tot Ion:168 Resp: 578539
Ion Ratio Lower Upper
168 100
99 59.3 46.5 69.7



#10
Methyl Iodide
Concen: 5.449 ug/l
RT: 3.36 min Scan# 197
Delta R.T. 0.04 min
Lab File: VD062020.D
Acq: 25 Apr 2019 4:56

Tgt Ion:142 Resp: 191
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#





#16

Acetone

Concen: 4.228 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD062020.D

Acq: 25 Apr 2019 4:56

Instrument :

MSVOA_D

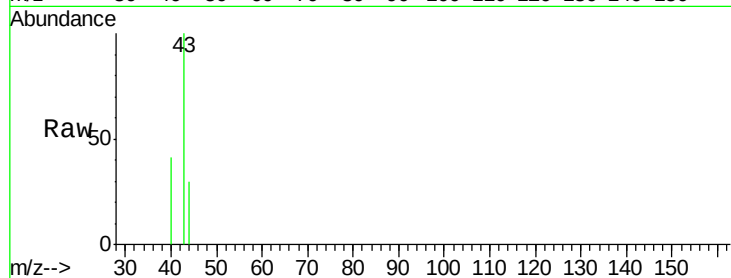
ClientSampleId :

Tot Ion: 43 Resp: 4571

Ion Ratio Lower Upper

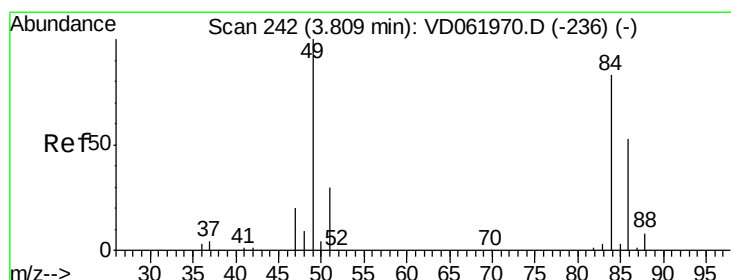
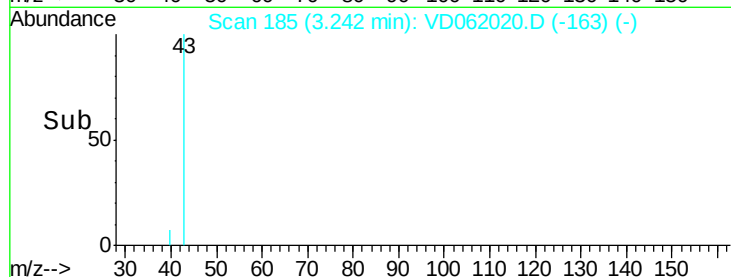
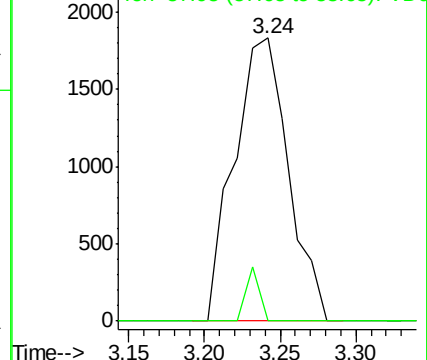
43 100

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



#20

Methylene Chloride

Concen: 3.893 ug/l

RT: 3.83 min Scan# 245

Delta R.T. 0.01 min

Lab File: VD062020.D

Acq: 25 Apr 2019 4:56

Tgt Ion: 84 Resp: 35966

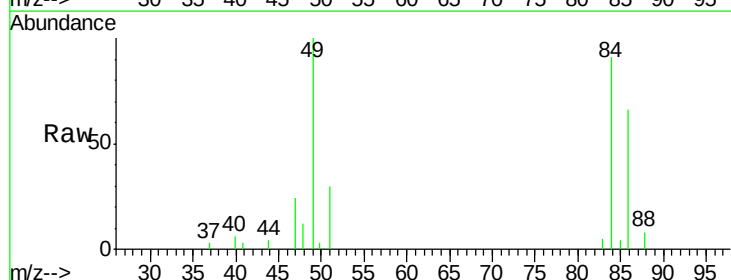
Ion Ratio Lower Upper

84 100

49 109.4 94.0 141.0

51 32.4 29.0 43.4

86 72.0 49.8 74.6

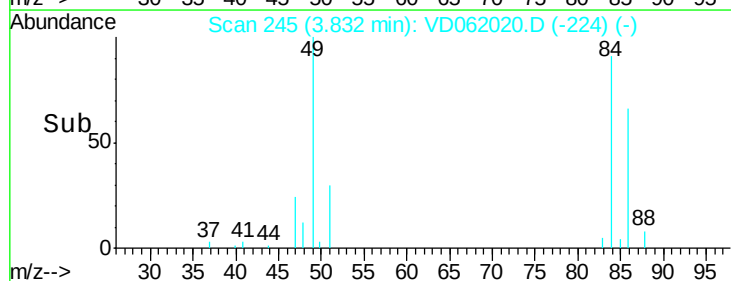
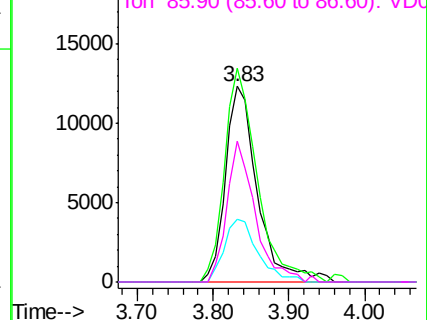


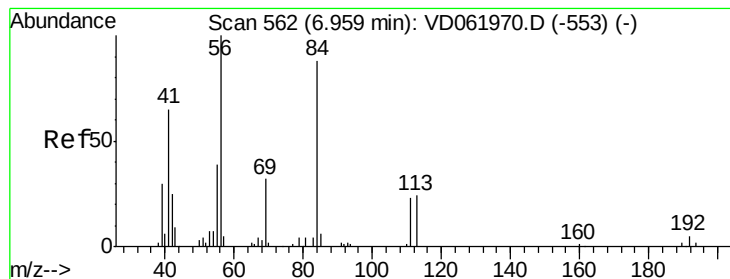
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#31

Cyclohexane

Concen: 1.418 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.10 min

Lab File: VD062020.D

Acq: 25 Apr 2019 4:56

Instrument :

MSVOA_D

ClientSampled :

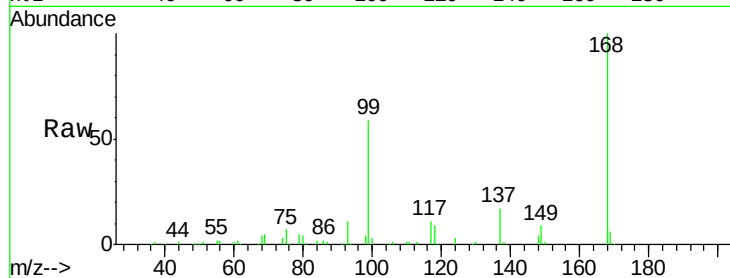
Tot Ion: 56 Resp: 9565

Ion Ratio Lower Upper

56 100

69 270.2 25.8 38.6#

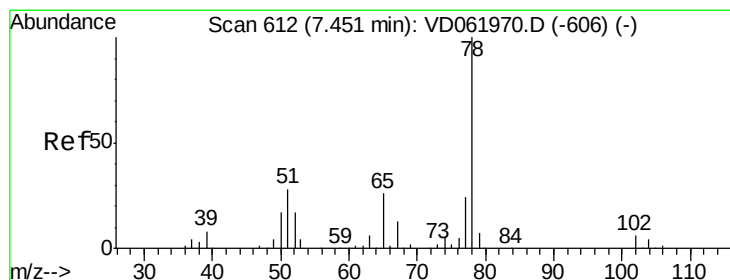
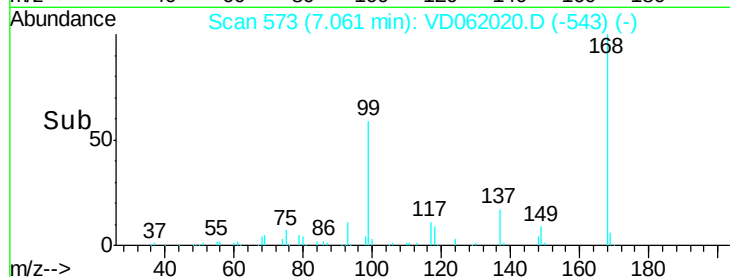
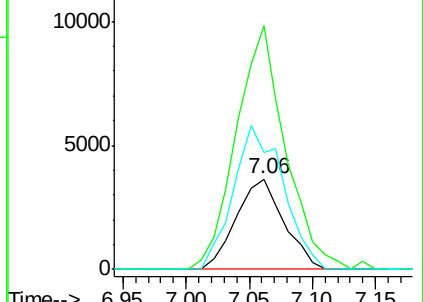
84 130.2 72.2 108.4#



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: N.D. ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD062020.D

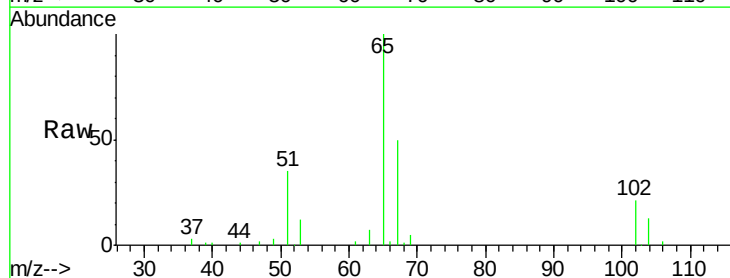
Acq: 25 Apr 2019 4:56

Tgt Ion: 65 Resp: 233834

Ion Ratio Lower Upper

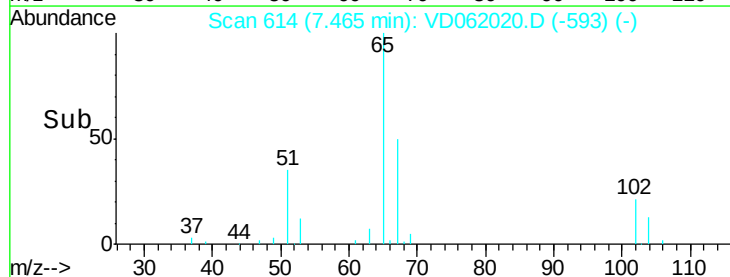
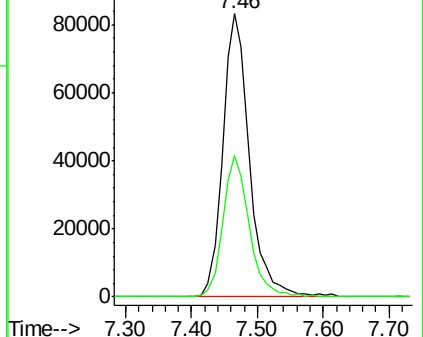
65 100

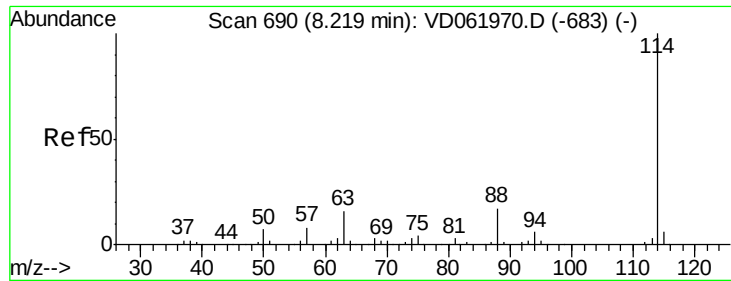
67 49.9 0.0 98.0



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: 8.23 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD062020.D

Acq: 25 Apr 2019 4:56

Instrument :

MSVOA_D

ClientSampleId :

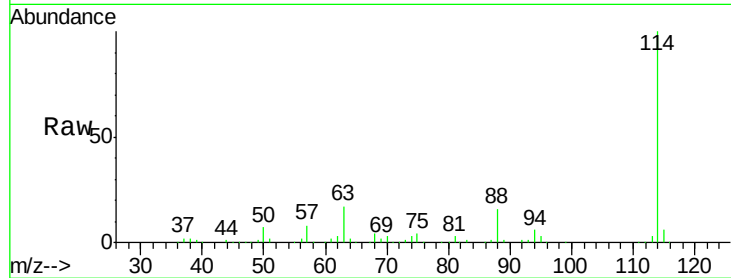
Tot Ion:114 Resp: 974207

Ion Ratio Lower Upper

114 100

63 16.8 0.0 32.4

88 16.1 0.0 33.6



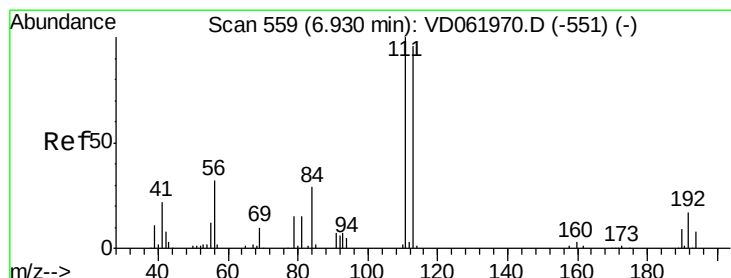
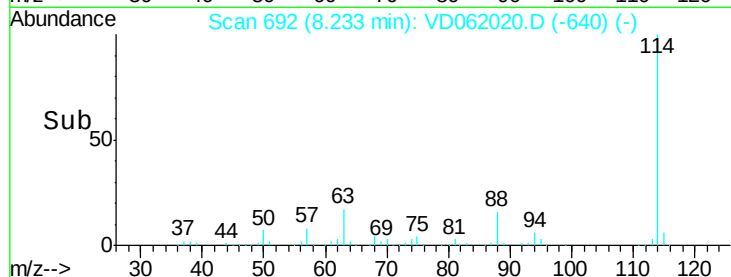
Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V

8.23

Time-->



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD062020.D

Acq: 25 Apr 2019 4:56

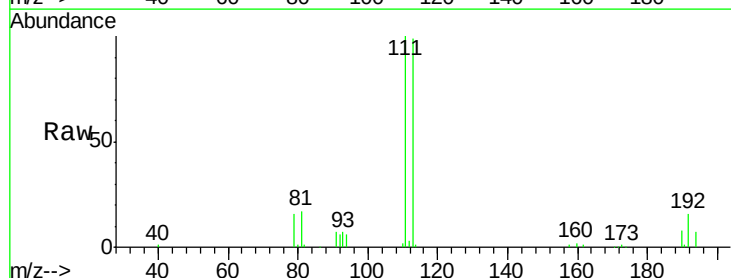
Tgt Ion:113 Resp: 346270

Ion Ratio Lower Upper

113 100

111 101.0 78.5 117.7

192 15.7 13.0 19.4



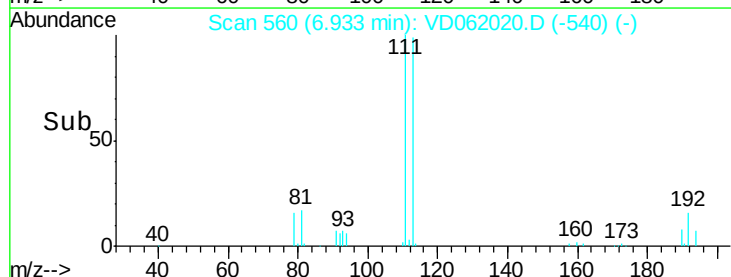
Abundance Ion 112.90 (112.60 to 113.60): V

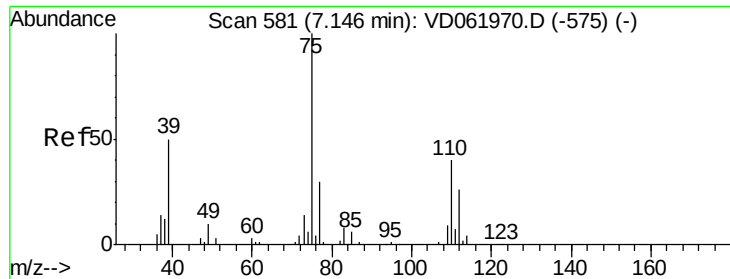
Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

6.93

Time-->

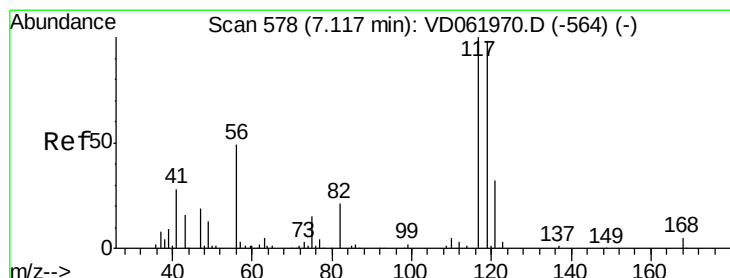
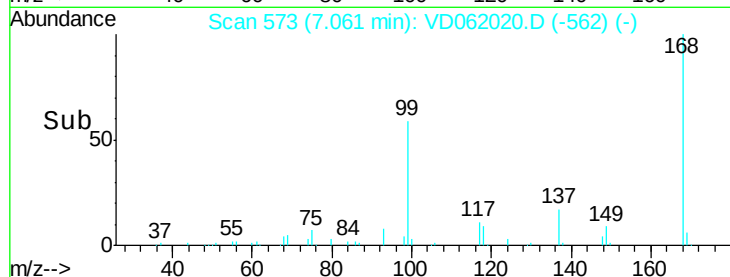
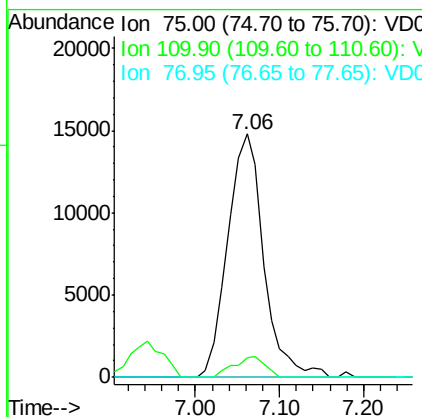
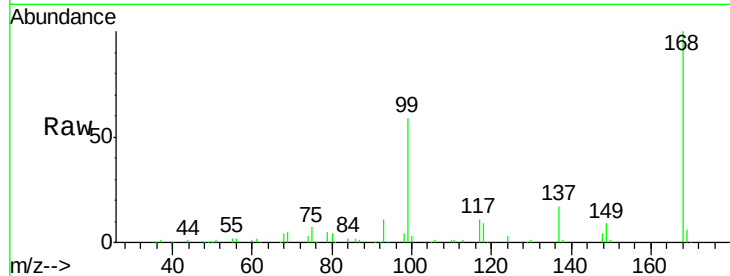




#36
 1,1-Dichloropropene
 Concen: 5.789 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.09 min
 Lab File: VD062020.D
 Acq: 25 Apr 2019 4:56

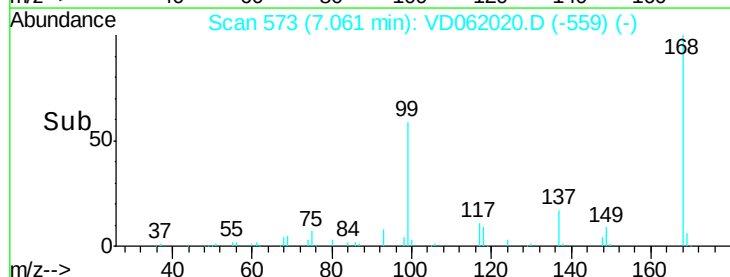
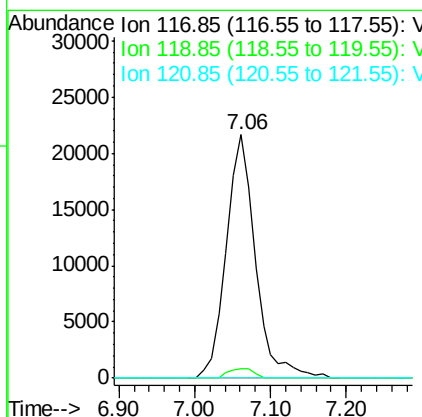
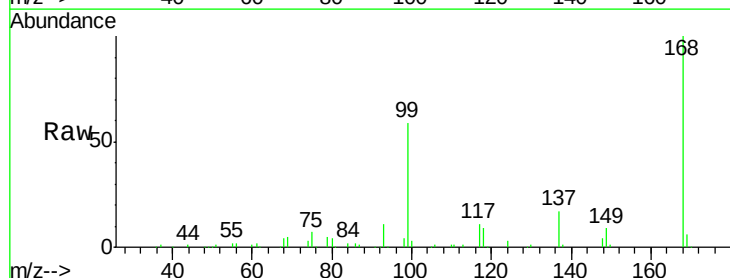
Instrument :
 MSVOA_D
 ClientSampleId :

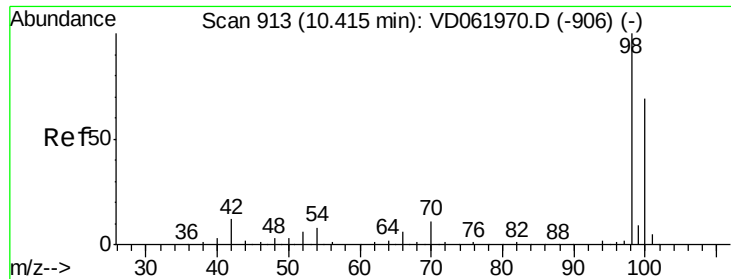
Tot Ion	75	Resp	43943
Ion	Ratio	Lower	Upper
75	100		
110	7.9	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 5.997 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.06 min
 Lab File: VD062020.D
 Acq: 25 Apr 2019 4:56

Tgt Ion	117	Resp	57678
Ion	Ratio	Lower	Upper
117	100		
119	4.1	75.8	113.8#
121	0.0	25.9	38.9#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. -0.00 min

Lab File: VD062020.D

Acq: 25 Apr 2019 4:56

Instrument :

MSVOA_D

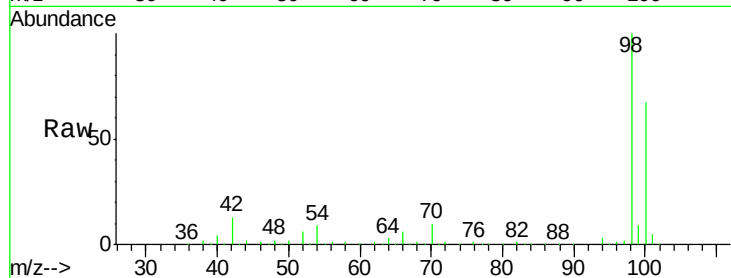
ClientSampleId :

Tot Ion: 98 Resp: 740734

Ion Ratio Lower Upper

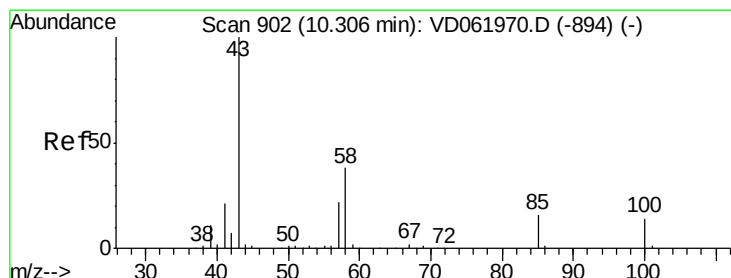
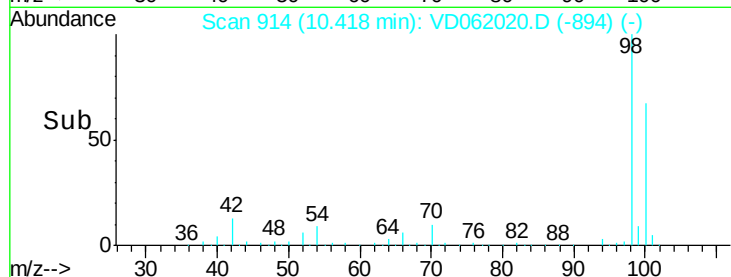
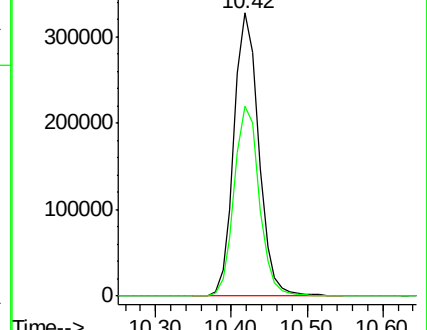
98 100

100 67.1 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)

Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.003 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.11 min

Lab File: VD062020.D

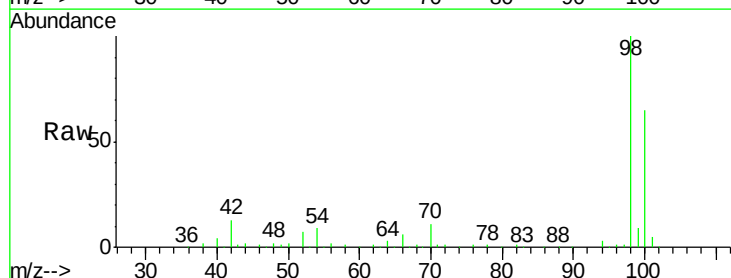
Acq: 25 Apr 2019 4:56

Tgt Ion: 43 Resp: 2898

Ion Ratio Lower Upper

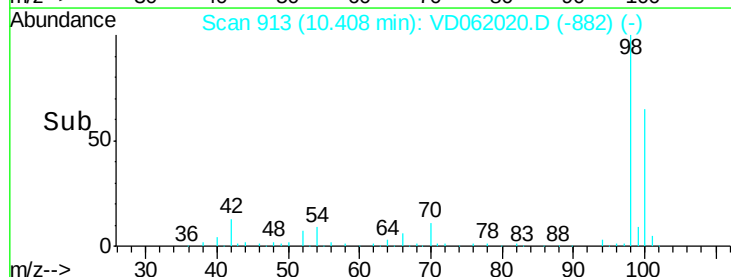
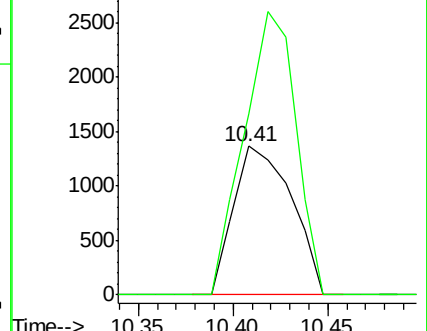
43 100

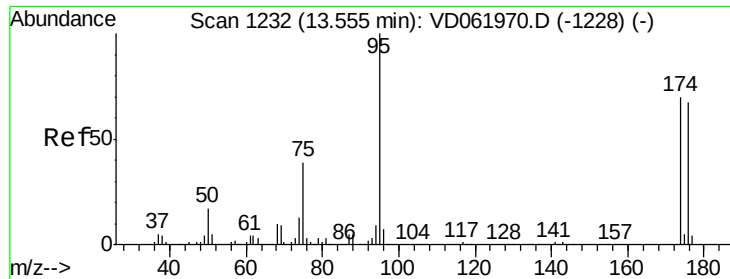
58 121.5 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VD061970.D (-894) (-)

Ion 57.95 (57.65 to 58.65): VD061970.D (-894) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VD062020.D

Acq: 25 Apr 2019 4:56

Instrument :

MSVOA_D

ClientSampled :

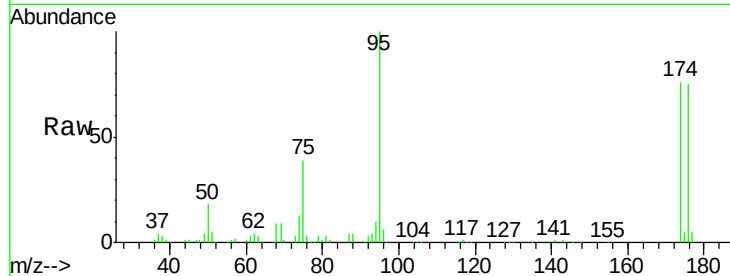
Tot Ion: 95 Resp: 291514

Ion Ratio Lower Upper

95 100

174 76.0 0.0 181.8

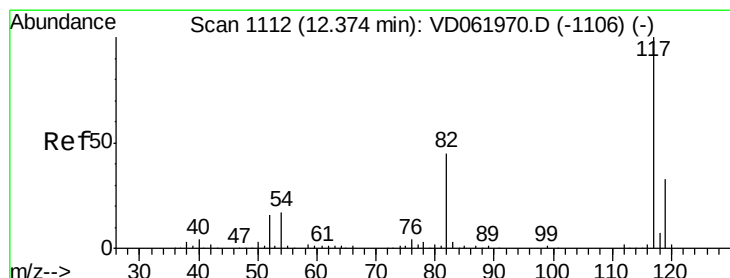
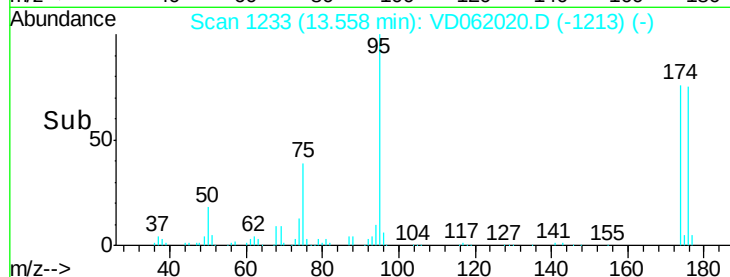
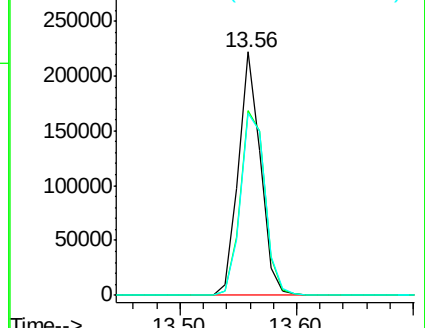
176 74.9 0.0 174.4



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: 12.38 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VD062020.D

Acq: 25 Apr 2019 4:56

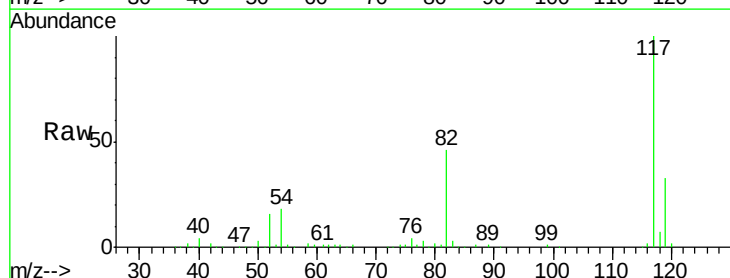
Tgt Ion: 117 Resp: 820809

Ion Ratio Lower Upper

117 100

82 46.3 36.2 54.2

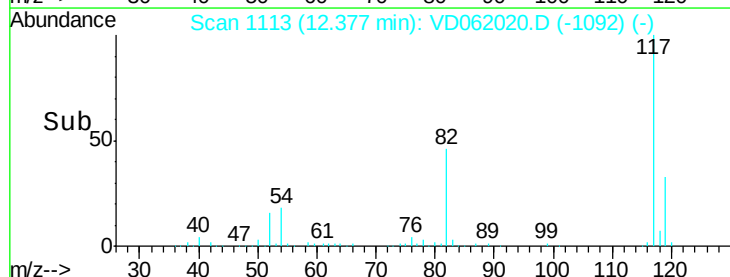
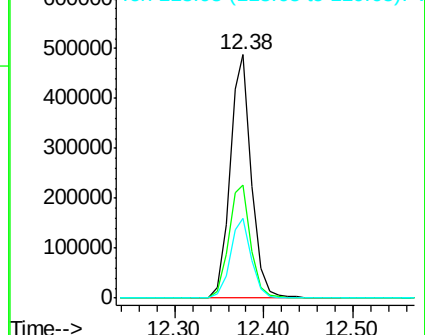
119 32.7 26.2 39.4

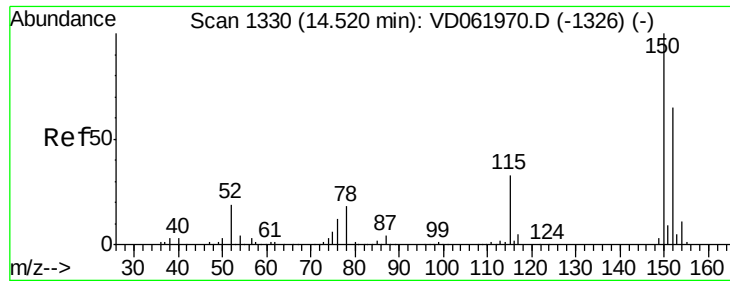


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.52 min Scan# 1331

Delta R.T. -0.00 min

Lab File: VD062020.D

Acq: 25 Apr 2019 4:56

Instrument :

MSVOA_D

ClientSampleId :

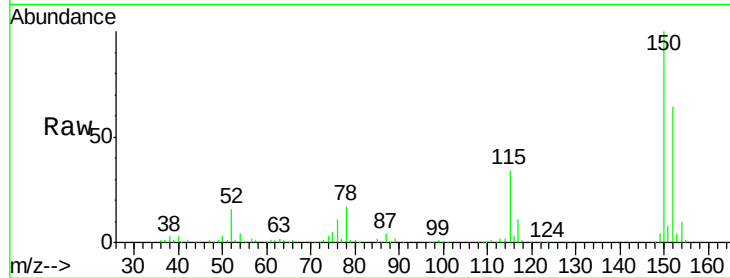
Tot Ion:152 Resp: 350091

Ion Ratio Lower Upper

152 100

115 52.6 30.9 92.7

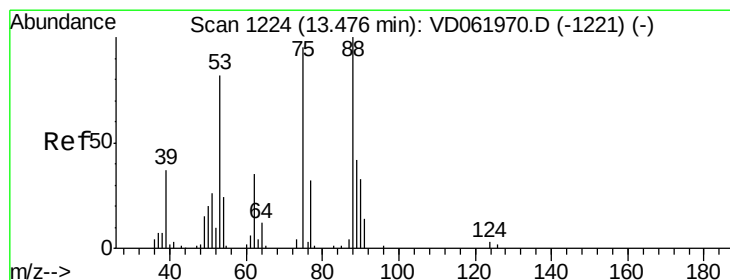
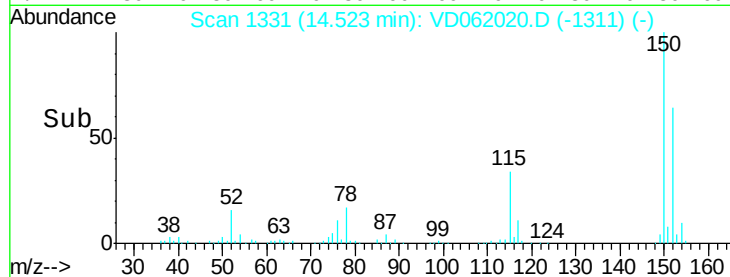
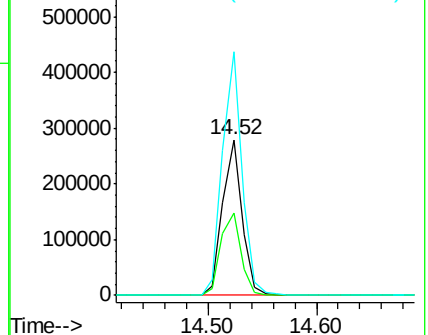
150 156.4 0.0 314.8



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: 84.284 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062020.D

Acq: 25 Apr 2019 4:56

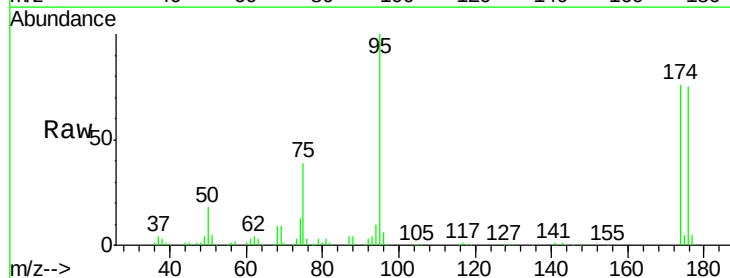
Tgt Ion: 75 Resp: 113547

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

