

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050619\
 Data File : VD062133.D
 Acq On : 6 May 2019 16:26
 Operator : FY/SY
 Sample : K2668-01RE
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1RE

Quant Time: May 07 05:10:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	374180	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	599129	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	630480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	285479	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	157696	53.85	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	107.70%	
35) Dibromofluoromethane	6.91	113	226387	54.64	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	109.28%	
50) Toluene-d8	10.40	98	485594	49.25	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	98.50%	
62) 4-Bromofluorobenzene	13.55	95	225126	56.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.86%	

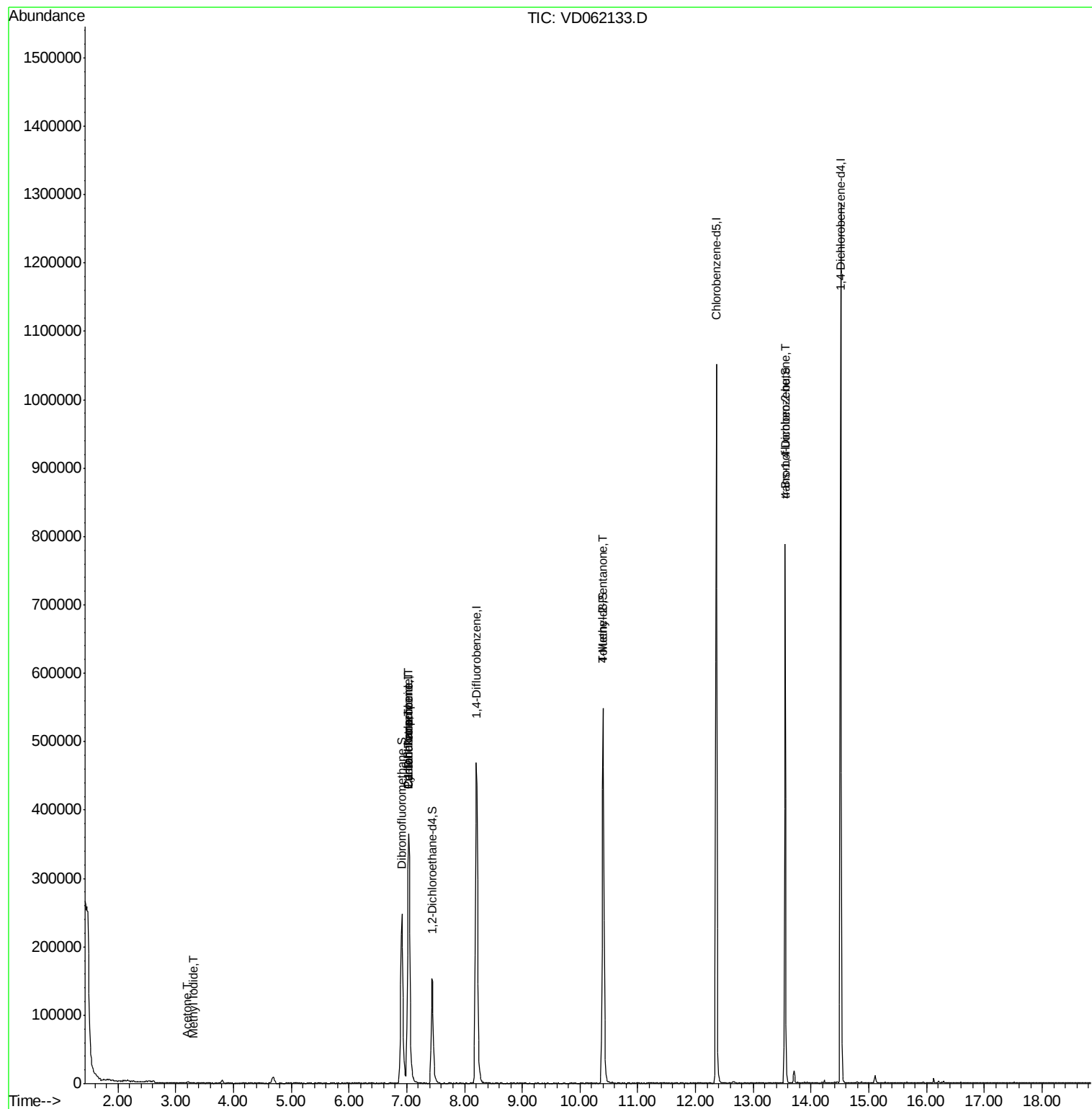
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.32	142	238	5.467	ug/l #	37
16) Acetone	3.20	43	3729	5.333	ug/l #	50
20) Methylene Chloride	3.80	84	2908	Below Cal	#	83
31) Cyclohexane	7.03	56	6362	1.458	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	28028	6.004	ug/l #	49
38) Carbon Tetrachloride	7.03	117	35814	6.055	ug/l #	16
51) 4-Methyl-2-Pentanone	10.39	43	2039	1.147	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	87176	79.355	ug/l #	16

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

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Quant Time: May 07 05:10:36 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Thu May 02 07:55:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD062133.D

Acq: 6 May 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

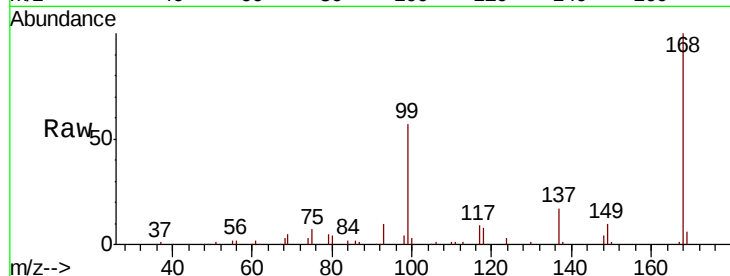
TP-1RE

Tot Ion:168 Resp: 374180

Ion Ratio Lower Upper

168 100

99 57.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.03

150000

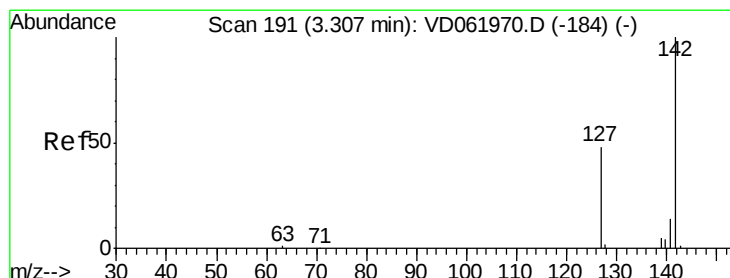
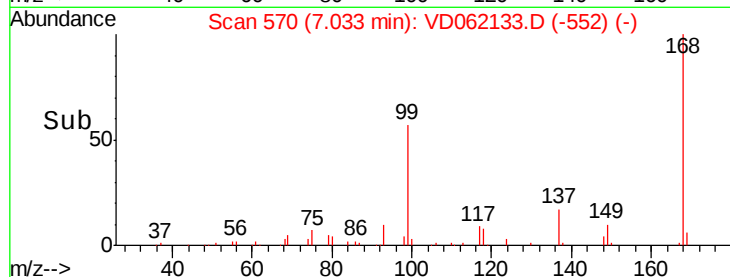
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 5.467 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.00 min

Lab File: VD062133.D

Acq: 6 May 2019 16:26

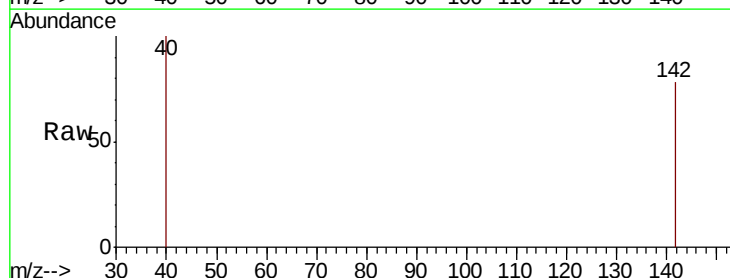
Tgt Ion:142 Resp: 238

Ion Ratio Lower Upper

142 100

127 0.0 38.8 58.2#

141 0.0 11.4 17.0#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

500

400

300

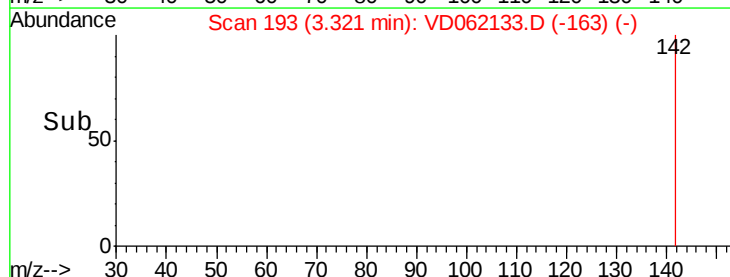
200

100

0

Time-->

3.30 3.32 3.34

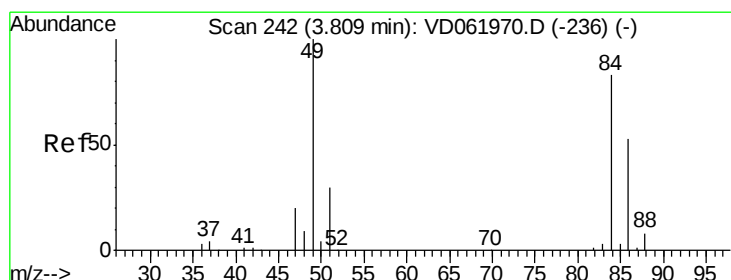
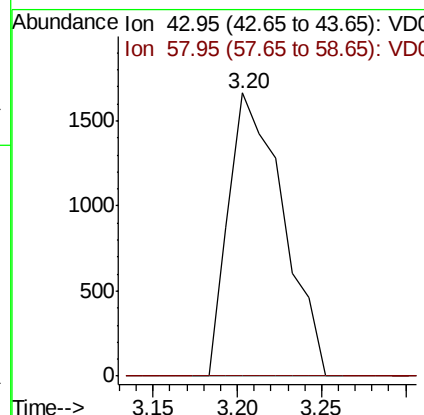
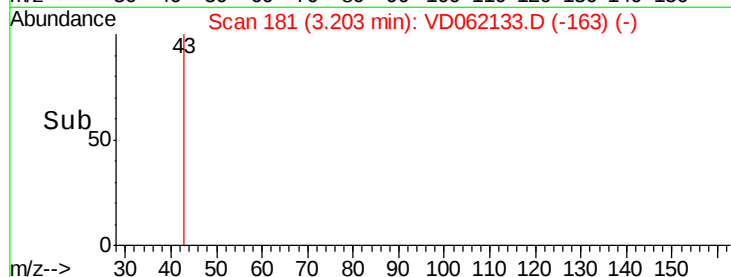
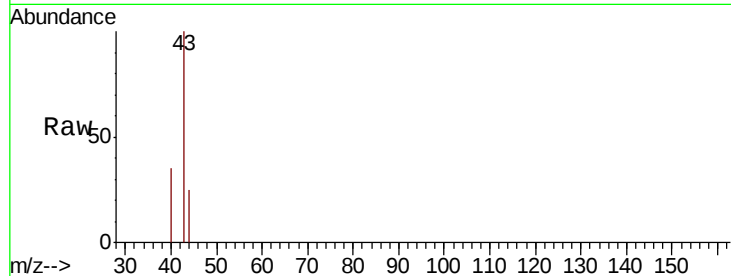




#16
Acetone
Concen: 5.333 ug/l
RT: 3.20 min Scan# 181
Delta R.T. -0.02 min
Lab File: VD062133.D
Acq: 6 May 2019 16:26

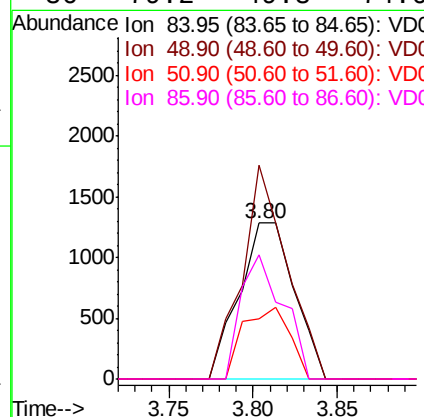
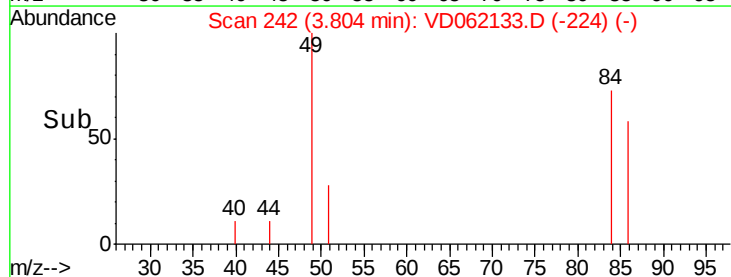
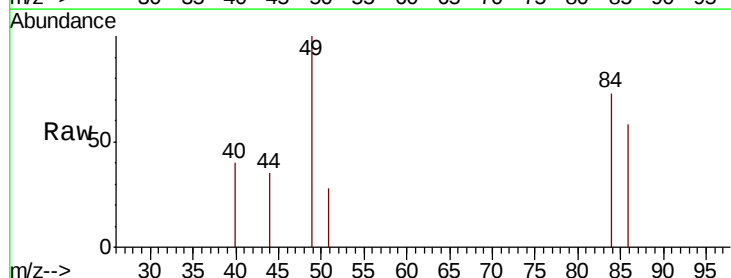
Instrument :
MSVOA_D
ClientSampleId :
TP-1RE

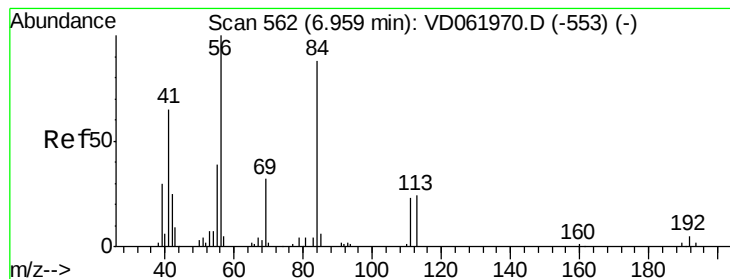
Tot Ion: 43 Resp: 3729
Ion Ratio Lower Upper
43 100
58 0.0 19.9 29.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.80 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD062133.D
Acq: 6 May 2019 16:26

Tgt Ion: 84 Resp: 2908
Ion Ratio Lower Upper
84 100
49 136.8 94.0 141.0
51 38.9 29.0 43.4
86 79.2 49.8 74.6#





#31

Cyclohexane

Concen: 1.458 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.07 min

Lab File: VD062133.D

Acq: 6 May 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

TP-1RE

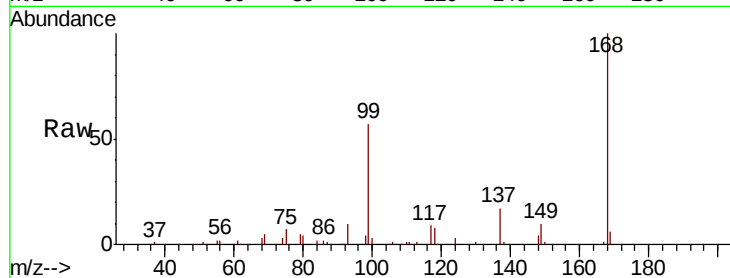
Tot Ion: 56 Resp: 6362

Ion Ratio Lower Upper

56 100

69 243.8 25.8 38.6#

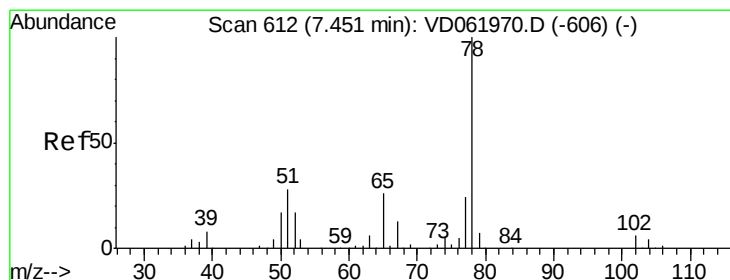
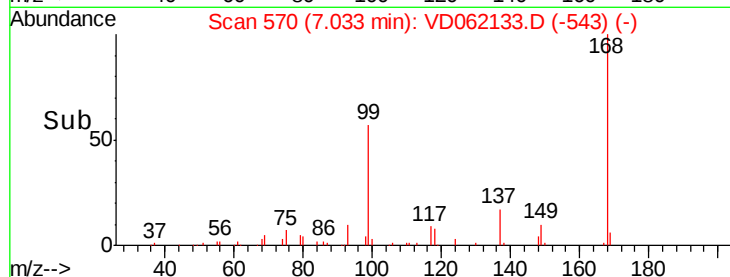
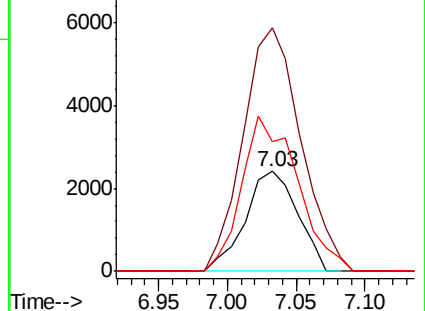
84 130.5 72.2 108.4#



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: 53.848 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD062133.D

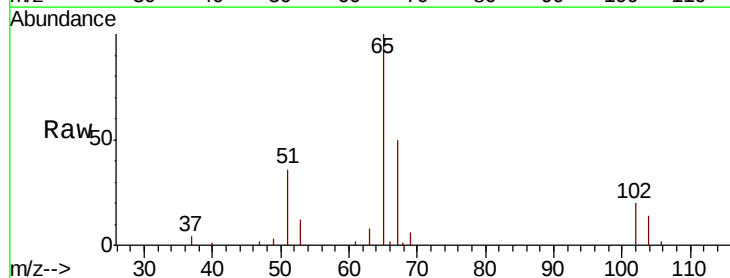
Acq: 6 May 2019 16:26

Tgt Ion: 65 Resp: 157696

Ion Ratio Lower Upper

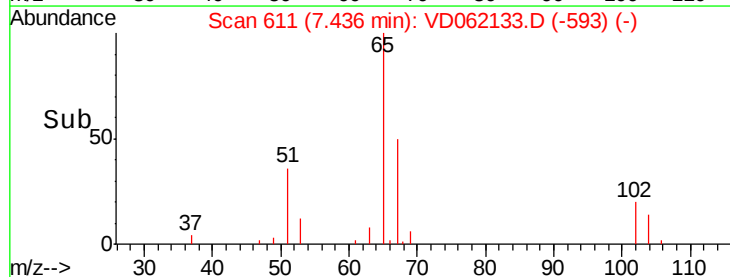
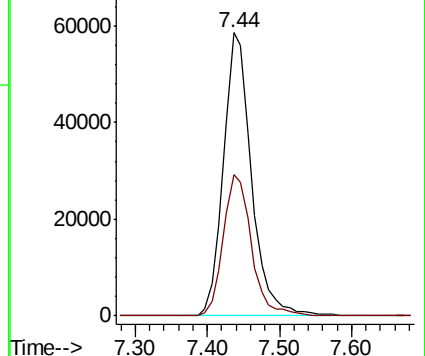
65 100

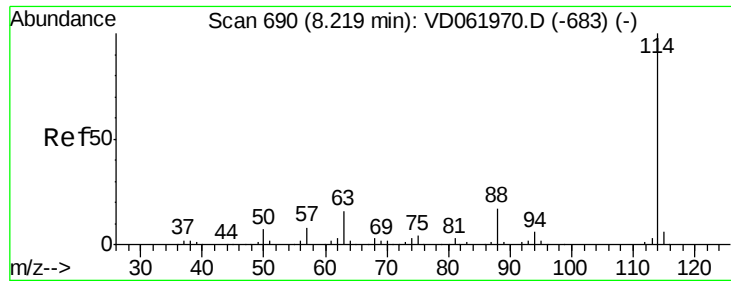
67 50.1 0.0 98.0



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: 8.20 min Scan# 689

Delta R.T. -0.02 min

Lab File: VD062133.D

Acq: 6 May 2019 16:26

Instrument :

MSVOA_D

ClientSampled :

TP-1RE

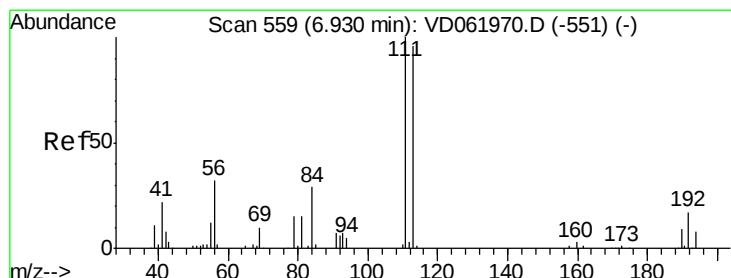
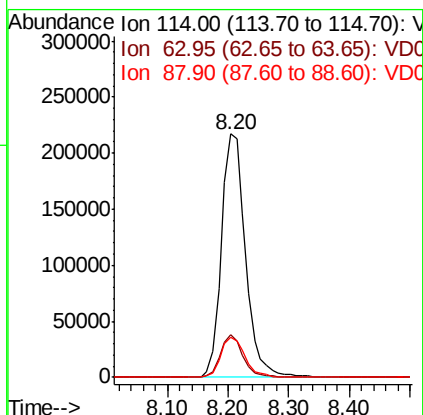
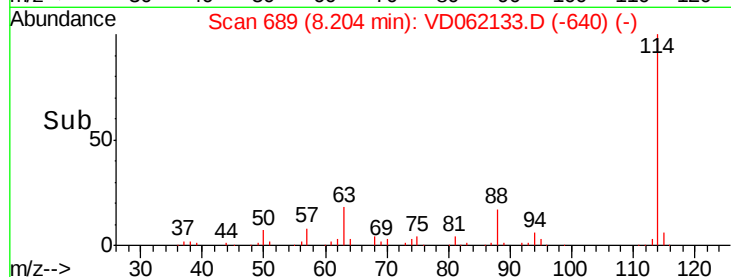
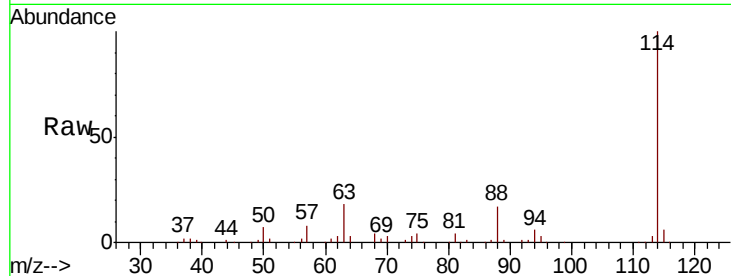
Tot Ion:114 Resp: 599129

Ion Ratio Lower Upper

114 100

63 17.5 0.0 32.4

88 16.7 0.0 33.6



#35

Dibromofluoromethane

Concen: 54.636 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD062133.D

Acq: 6 May 2019 16:26

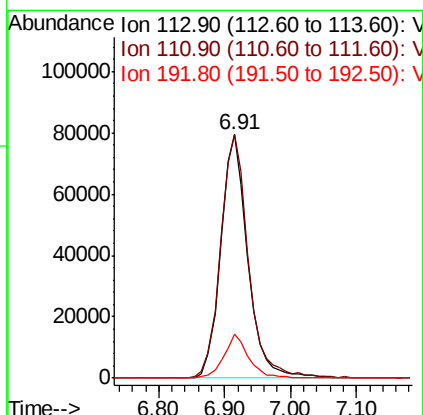
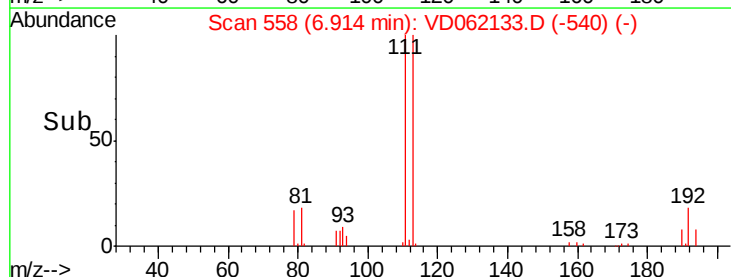
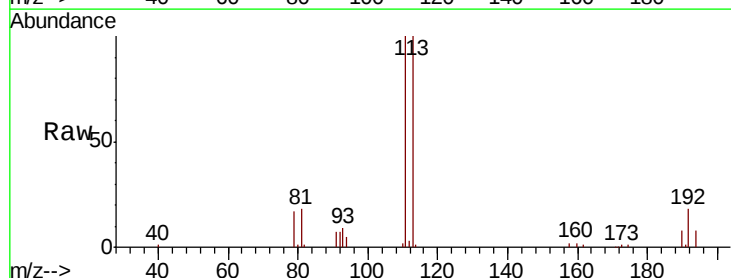
Tgt Ion:113 Resp: 226387

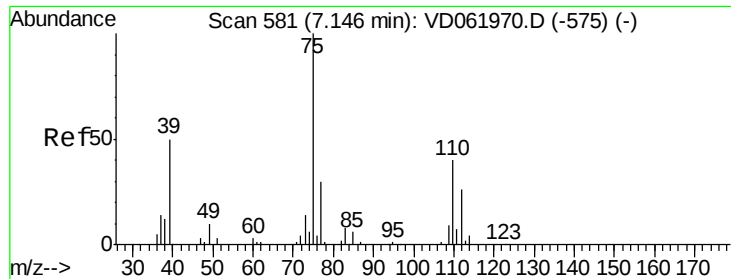
Ion Ratio Lower Upper

113 100

111 99.8 78.5 117.7

192 18.2 13.0 19.4

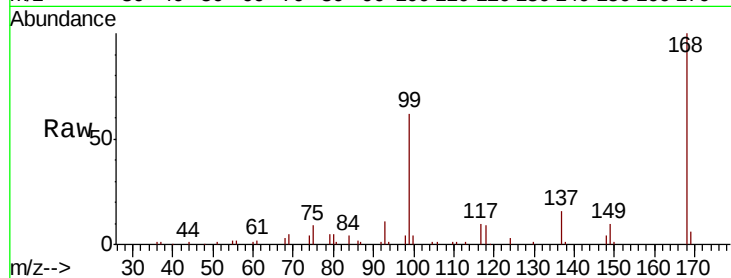




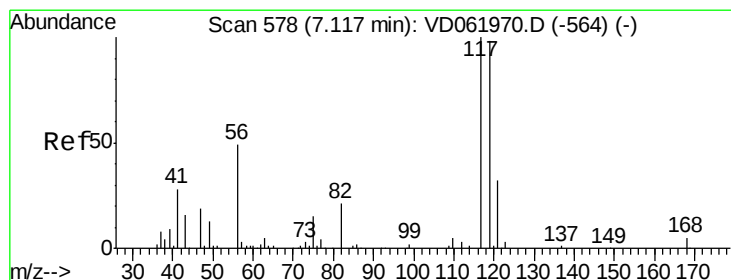
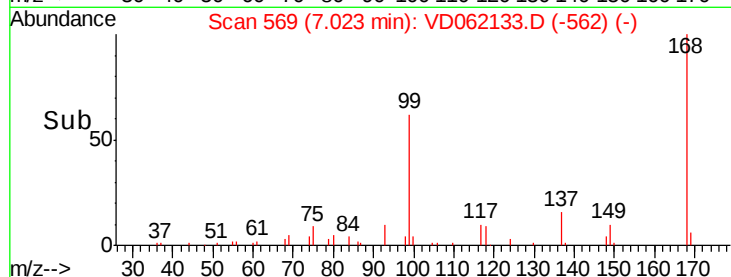
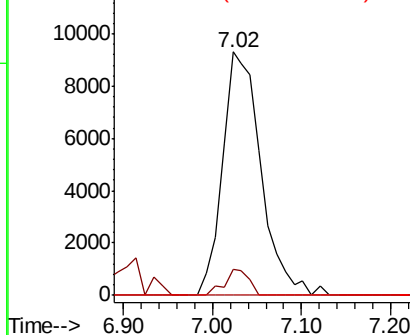
#36
 1,1-Dichloropropene
 Concen: 6.004 ug/l
 RT: 7.02 min Scan# 569
 Delta R.T. -0.13 min
 Lab File: VD062133.D
 Acq: 6 May 2019 16:26

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1RE

Tot Ion: 75 Resp: 28028
 Ion Ratio Lower Upper
 75 100
 110 10.8 19.1 57.1#
 77 0.0 25.6 38.4#

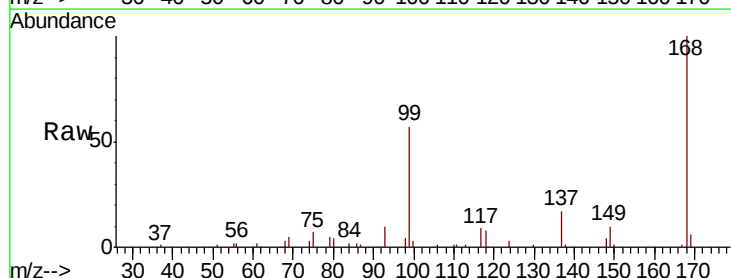


Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V

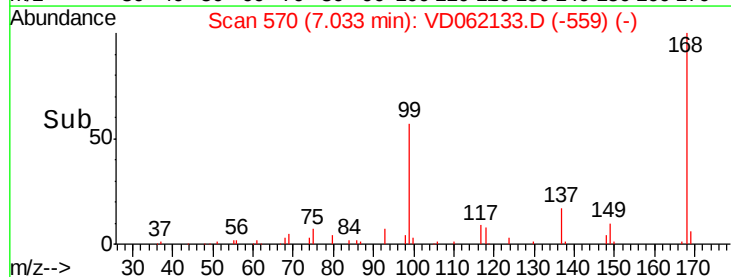
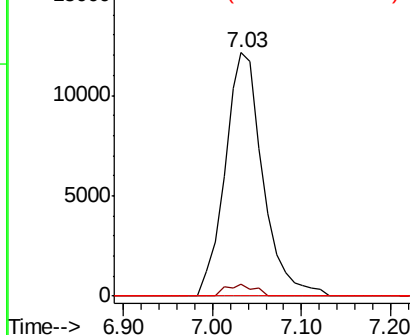


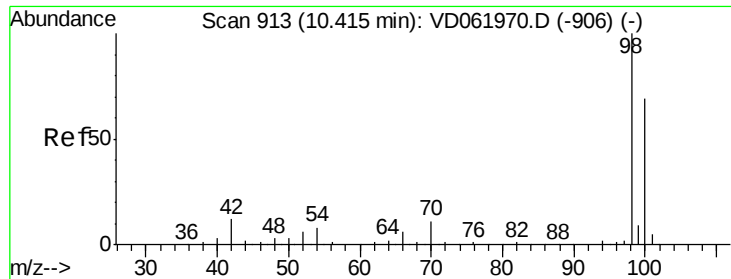
#38
 Carbon Tetrachloride
 Concen: 6.055 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.09 min
 Lab File: VD062133.D
 Acq: 6 May 2019 16:26

Tgt Ion: 117 Resp: 35814
 Ion Ratio Lower Upper
 117 100
 119 4.7 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

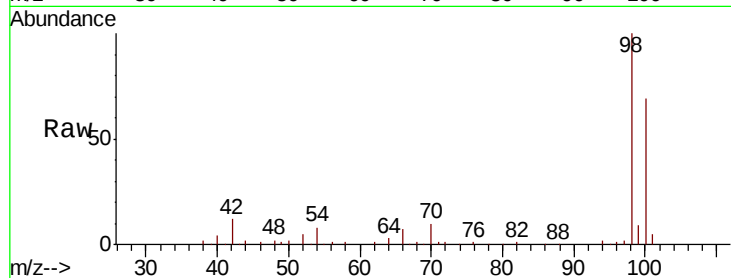




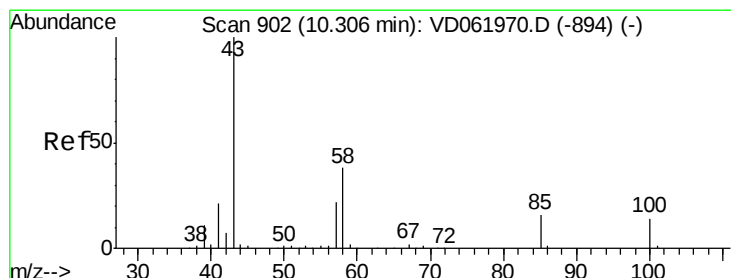
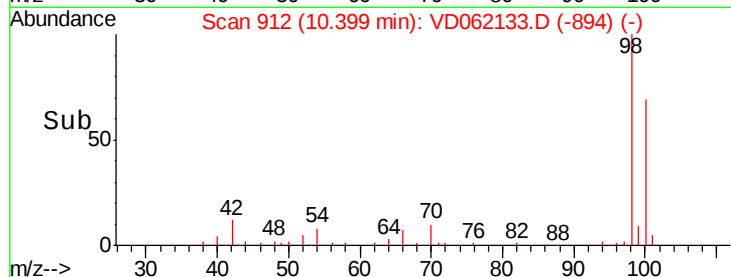
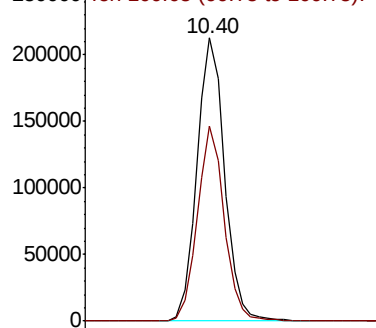
#50
Toluene-d8
Concen: 49.251 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD062133.D
Acq: 6 May 2019 16:26

Instrument :
MSVOA_D
ClientSampleId :
TP-1RE

Tot Ion: 98 Resp: 485594
Ion Ratio Lower Upper
98 100
100 68.7 53.8 80.8

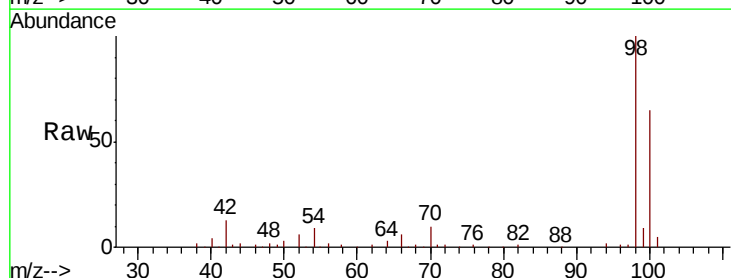


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

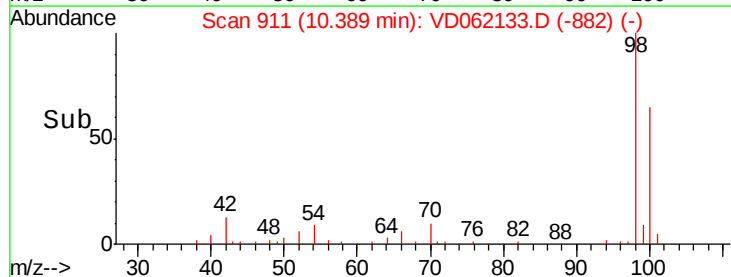
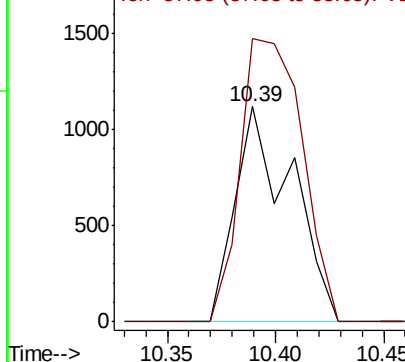


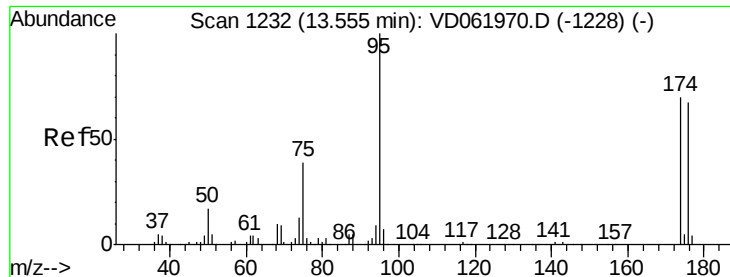
#51
4-Methyl-2-Pentanone
Concen: 1.147 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.09 min
Lab File: VD062133.D
Acq: 6 May 2019 16:26

Tgt Ion: 43 Resp: 2039
Ion Ratio Lower Upper
43 100
58 131.4 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

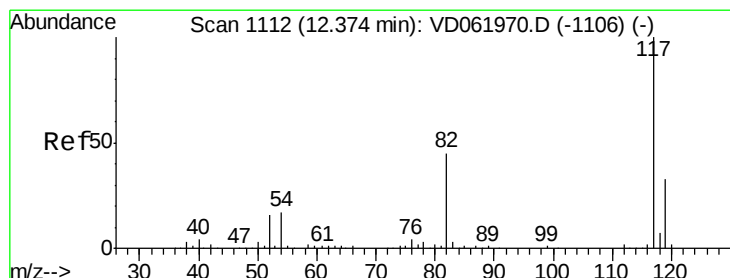
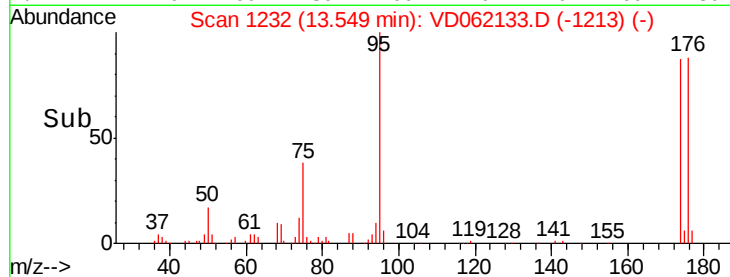
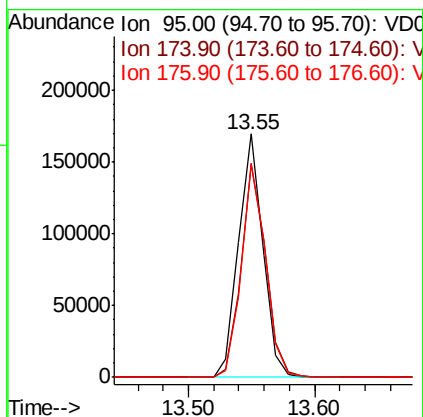
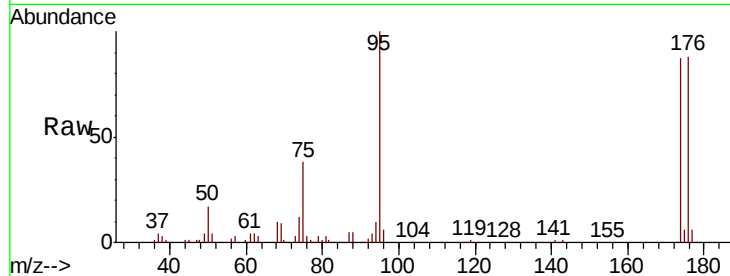




#62
4-Bromofluorobenzene
Concen: 56.928 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD062133.D
Acq: 6 May 2019 16:26

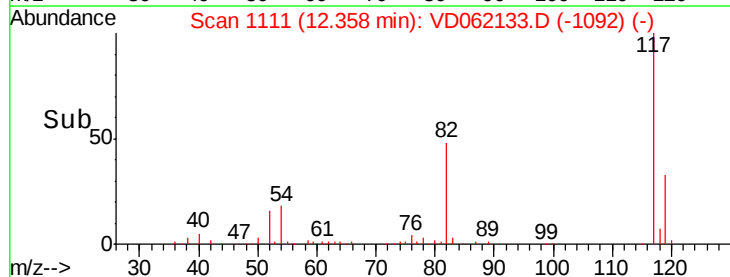
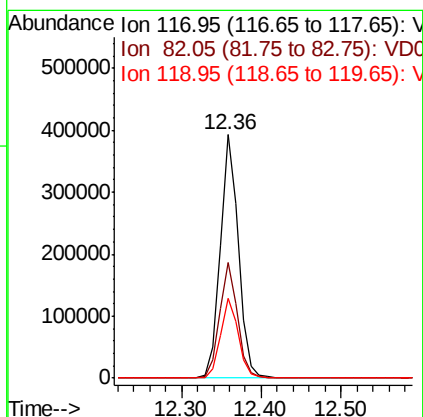
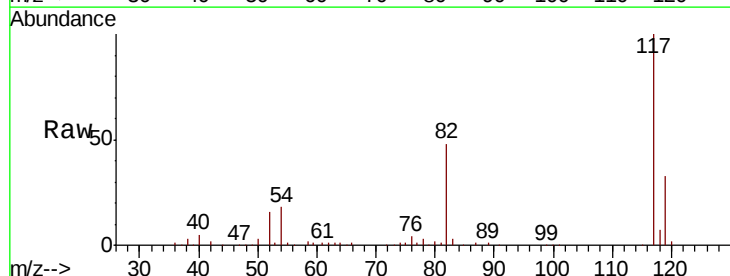
Instrument :
MSVOA_D
ClientSampleId :
TP-1RE

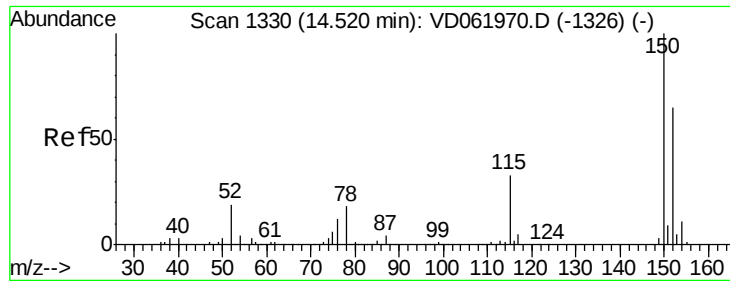
Tot Ion	Ratio	Lower	Upper
95	100		
174	87.3	0.0	181.8
176	87.9	0.0	174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062133.D
Acq: 6 May 2019 16:26

Tgt Ion	Ratio	Lower	Upper
117	100		
82	47.6	36.2	54.2
119	32.6	26.2	39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD062133.D

Acq: 6 May 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

TP-1RE

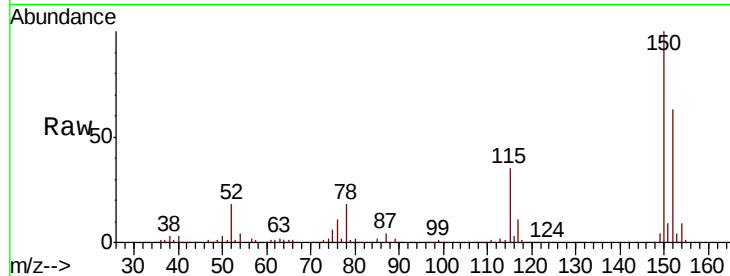
Tot Ion:152 Resp: 285479

Ion Ratio Lower Upper

152 100

115 54.6 30.9 92.7

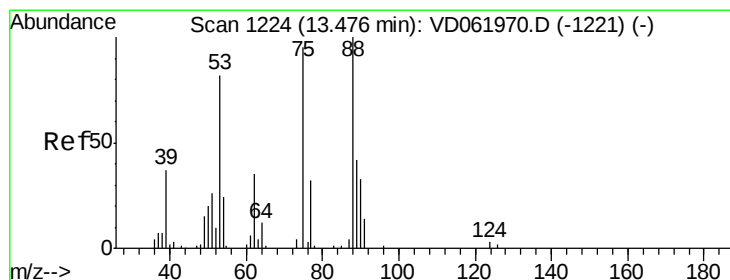
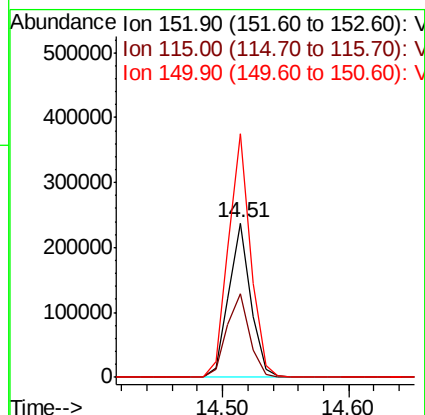
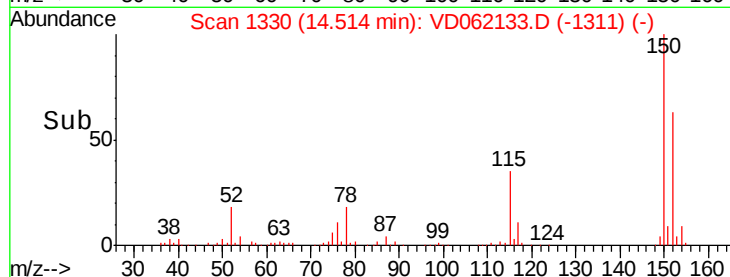
150 157.7 0.0 314.8



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: 79.355 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062133.D

Acq: 6 May 2019 16:26

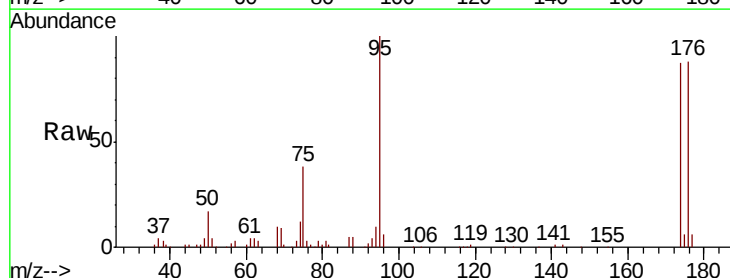
Tgt Ion: 75 Resp: 87176

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

