

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042919\
 Data File : VD062070.D
 Acq On : 29 Apr 2019 18:45
 Operator : FY/SY
 Sample : K2194-03
 Misc : 7.06µm/5mL/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 30 01:11:59 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	7.01	168	483648	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.19	114	723173	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	657755	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.50	152	273645	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	194087	51.27	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	102.54%	
35) Dibromofluoromethane	6.89	113	286883	57.36	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	114.72%	
50) Toluene-d8	10.39	98	656034	55.12	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	110.24%	
62) 4-Bromofluorobenzene	13.54	95	247617	51.87	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	103.74%	

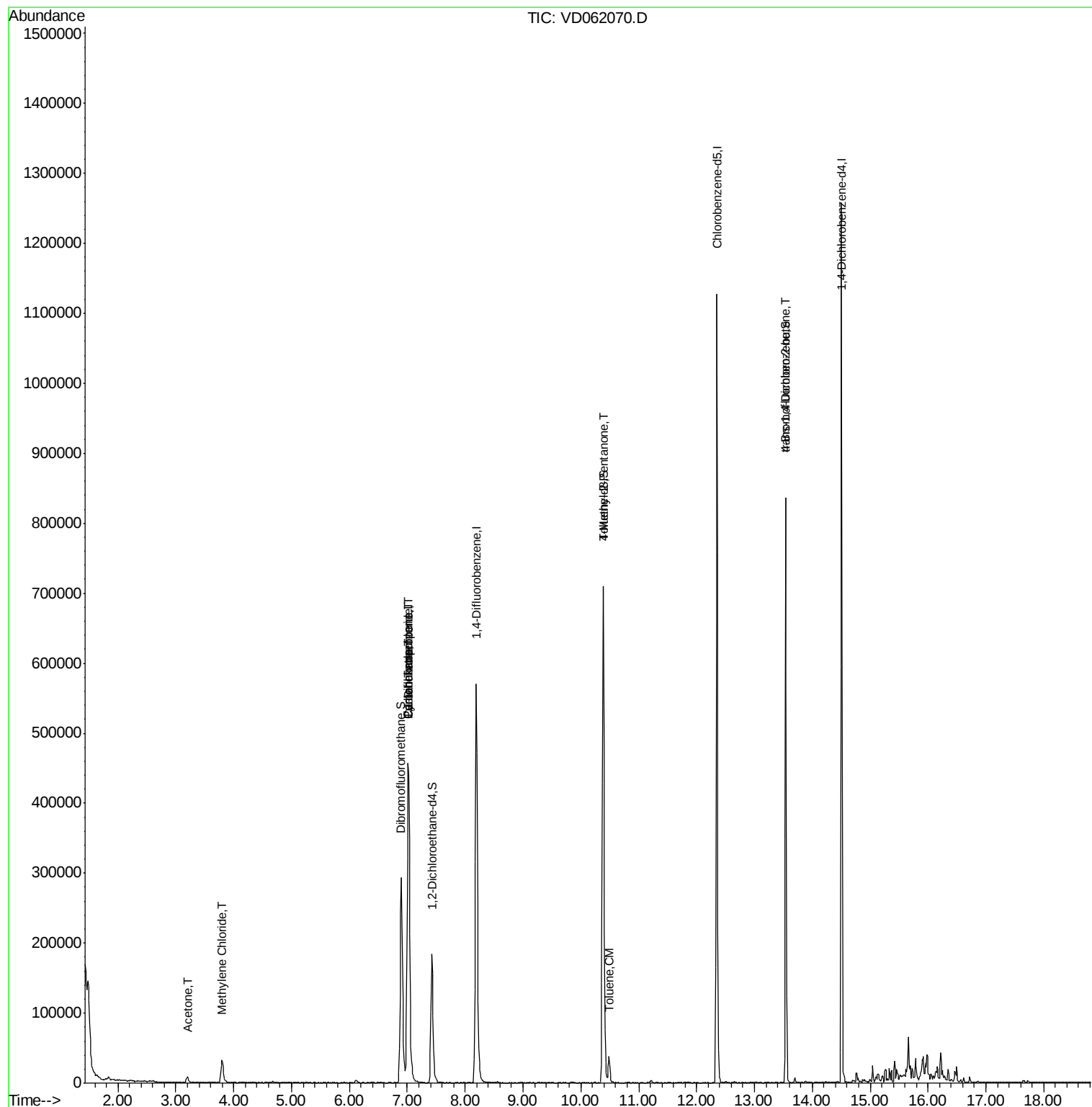
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	193	Below Cal	#	12
16) Acetone	3.20	43	16283	18.016	ug/l	99
20) Methylene Chloride	3.79	84	24973	2.656	ug/l	95
31) Cyclohexane	7.01	56	8934	1.585	ug/l #	1
36) 1,1-Dichloropropene	7.01	75	35024	6.216	ug/l #	48
38) Carbon Tetrachloride	7.01	117	46195	6.470	ug/l #	15
51) 4-Methyl-2-Pentanone	10.38	43	2615	1.219	ug/l #	1
52) Toluene	10.49	92	21159	2.379	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.54	75	98430	93.474	ug/l #	16

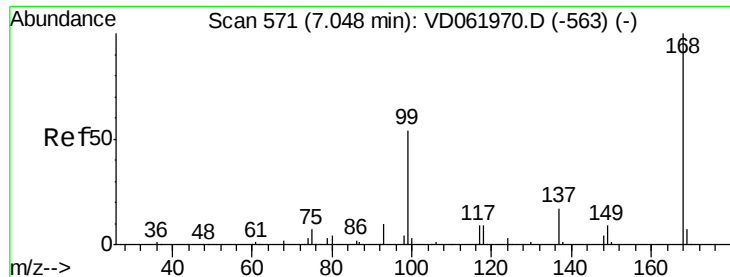
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042919\
Data File : VD062070.D
Acq On : 29 Apr 2019 18:45
Operator : FY/SY
Sample : K2194-03
Misc : 7.06µm/5mL/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 30 01:11:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.04 min

Lab File: VD062070.D

Acq: 29 Apr 2019 18:45

Instrument :

MSVOA_D

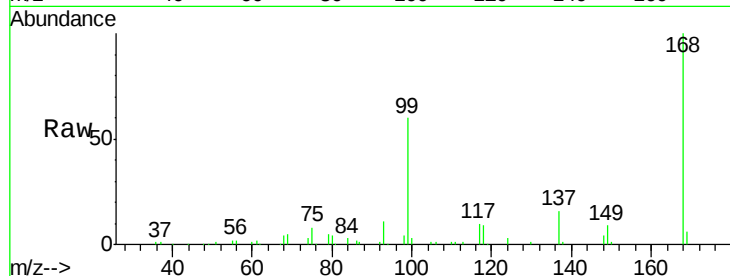
ClientSampleId :

Tot Ion:168 Resp: 483648

Ion Ratio Lower Upper

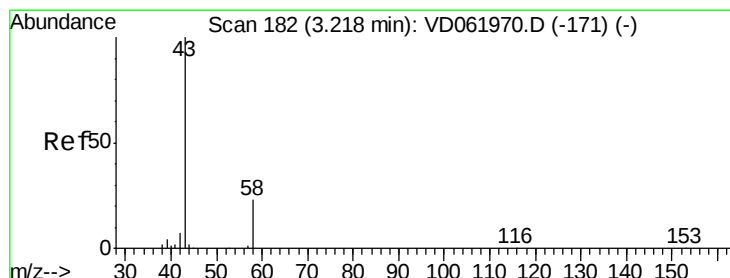
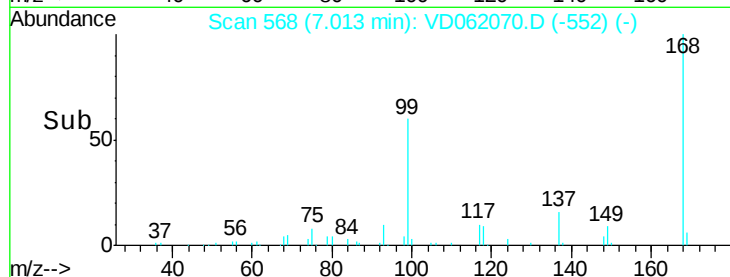
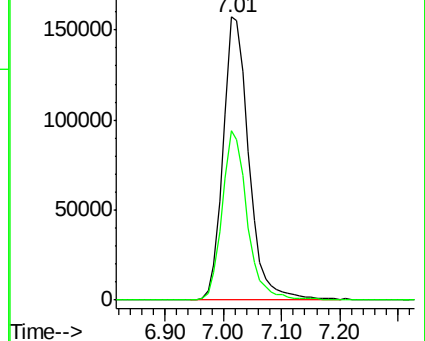
168 100

99 59.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 18.016 ug/l

RT: 3.20 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062070.D

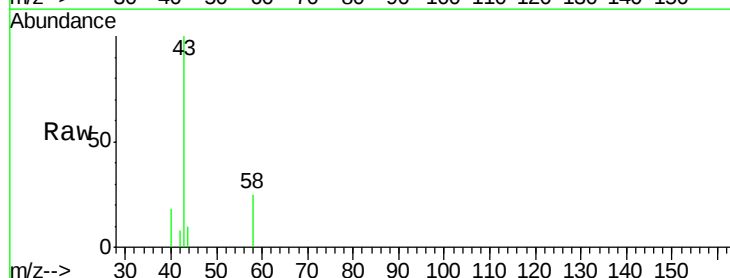
Acq: 29 Apr 2019 18:45

Tgt Ion: 43 Resp: 16283

Ion Ratio Lower Upper

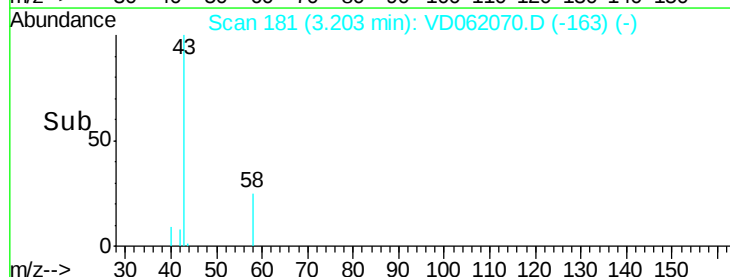
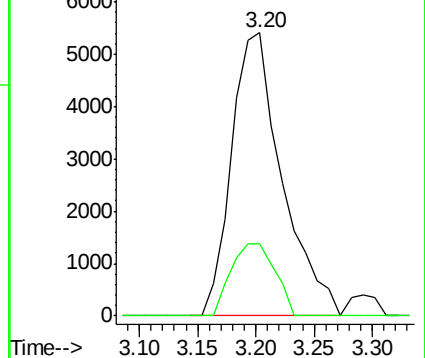
43 100

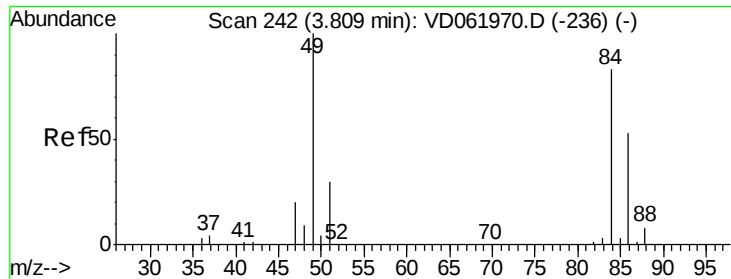
58 25.3 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

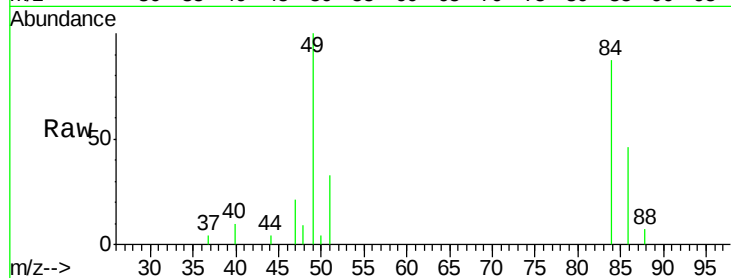




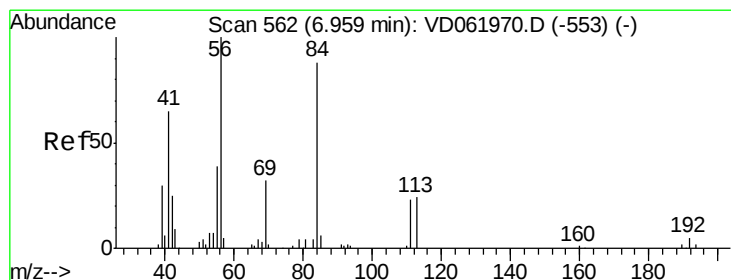
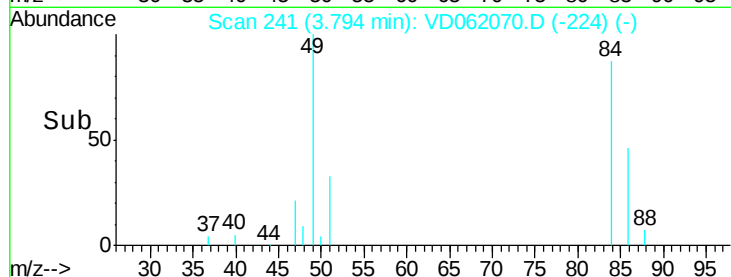
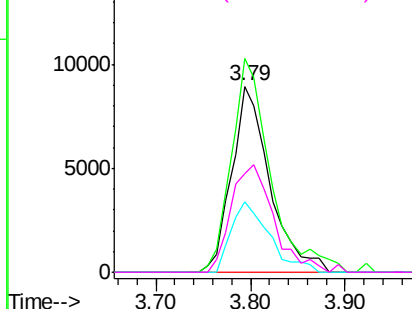
#20
Methylene Chloride
Concen: 2.656 ug/l
RT: 3.79 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD062070.D
Acq: 29 Apr 2019 18:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 24973
Ion Ratio Lower Upper
84 100
49 114.8 94.0 141.0
51 37.5 29.0 43.4
86 53.2 49.8 74.6

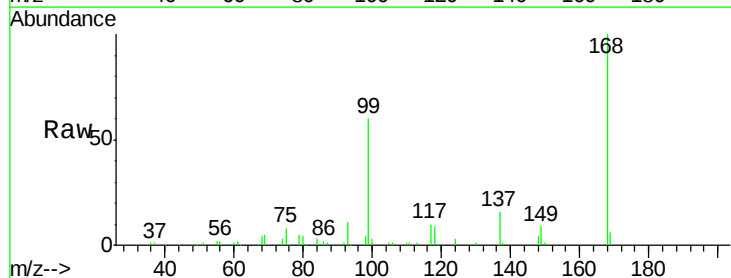


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

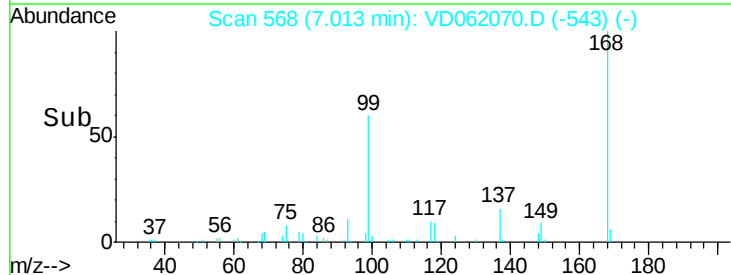
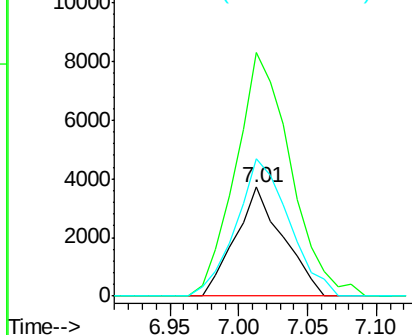


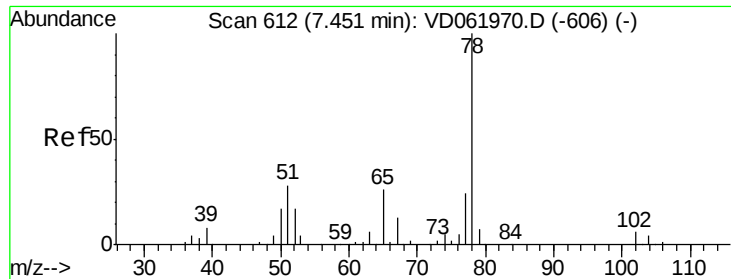
#31
Cyclohexane
Concen: 1.585 ug/l
RT: 7.01 min Scan# 568
Delta R.T. 0.05 min
Lab File: VD062070.D
Acq: 29 Apr 2019 18:45

Tgt Ion: 56 Resp: 8934
Ion Ratio Lower Upper
56 100
69 223.8 25.8 38.6#
84 126.5 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

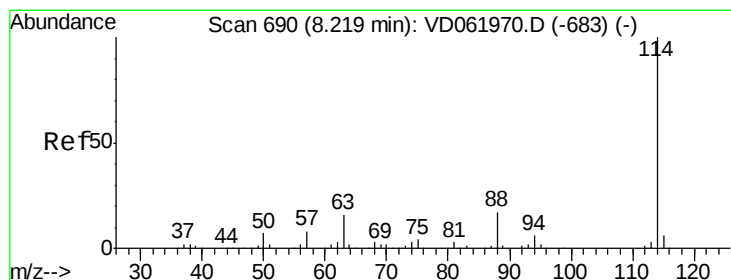
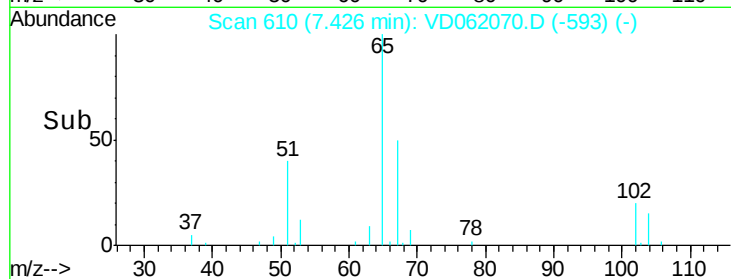
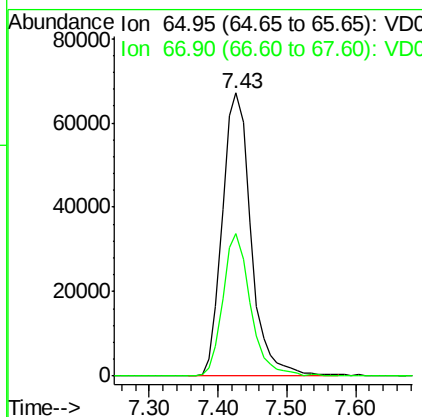
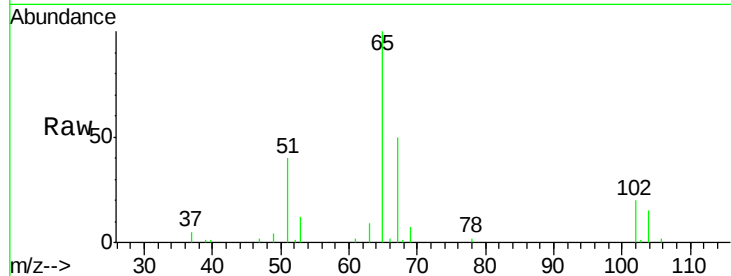




#33
 1,2-Dichloroethane-d4
 Concen: 51.274 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.03 min
 Lab File: VD062070.D
 Acq: 29 Apr 2019 18:45

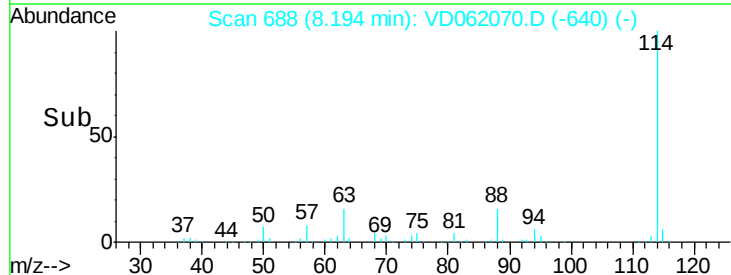
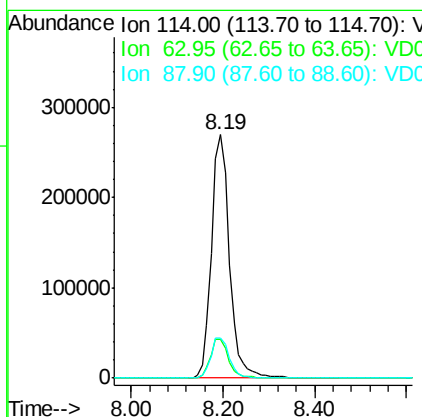
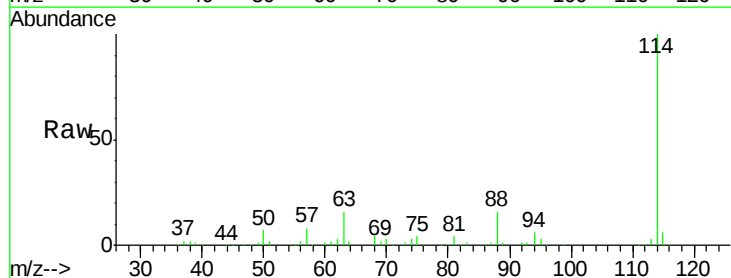
Instrument :
 MSVOA_D
 ClientSampleId :

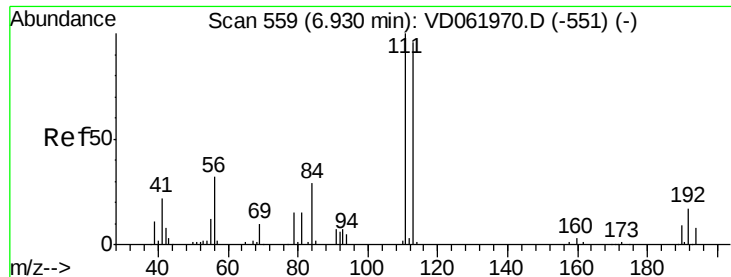
Tot Ion: 65 Resp: 194087
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 688
 Delta R.T. -0.03 min
 Lab File: VD062070.D
 Acq: 29 Apr 2019 18:45

Tgt Ion: 114 Resp: 723173
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 32.4
 88 16.3 0.0 33.6

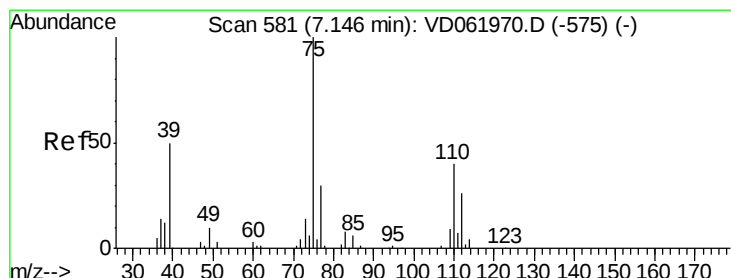
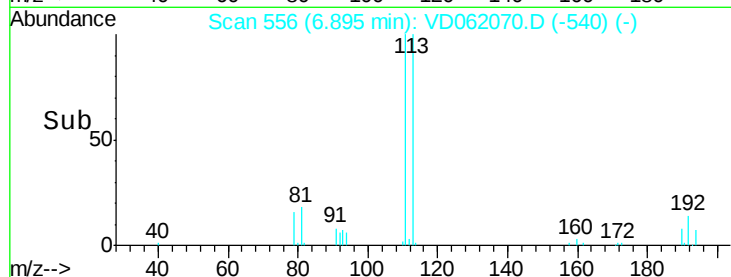
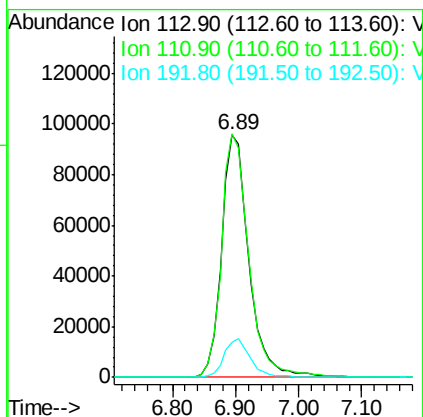
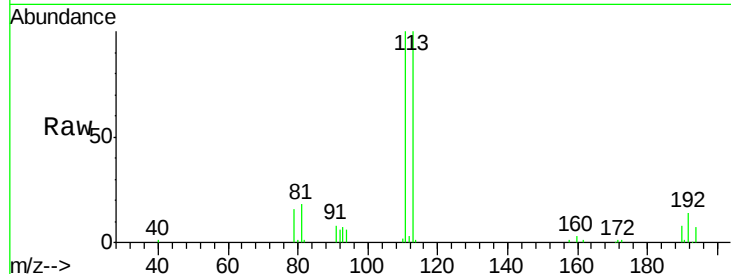




#35
 Dibromofluoromethane
 Concen: 57.360 ug/l
 RT: 6.89 min Scan# 556
 Delta R.T. -0.04 min
 Lab File: VD062070.D
 Acq: 29 Apr 2019 18:45

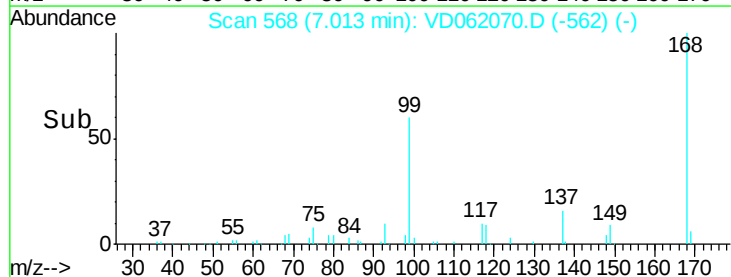
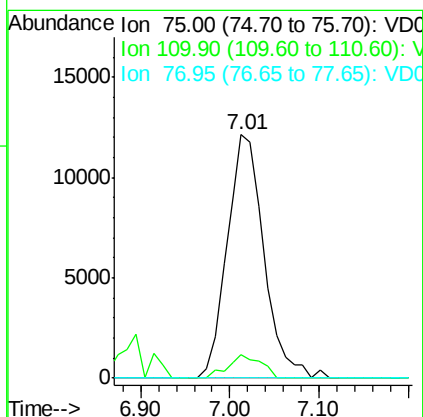
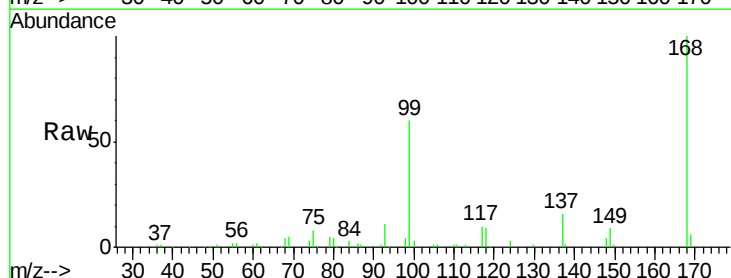
Instrument :
 MSVOA_D
 ClientSampleId :

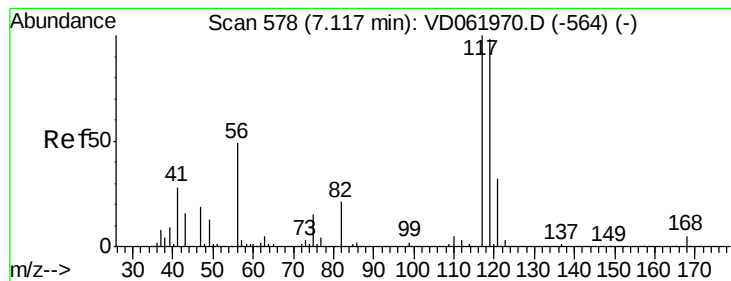
Tot Ion:113 Resp: 286883
 Ion Ratio Lower Upper
 113 100
 111 100.4 78.5 117.7
 192 14.5 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 6.216 ug/l
 RT: 7.01 min Scan# 568
 Delta R.T. -0.14 min
 Lab File: VD062070.D
 Acq: 29 Apr 2019 18:45

Tgt Ion: 75 Resp: 35024
 Ion Ratio Lower Upper
 75 100
 110 9.8 19.1 57.1#
 77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 6.470 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.11 min

Lab File: VD062070.D

Acq: 29 Apr 2019 18:45

Instrument :

MSVOA_D

ClientSampleId :

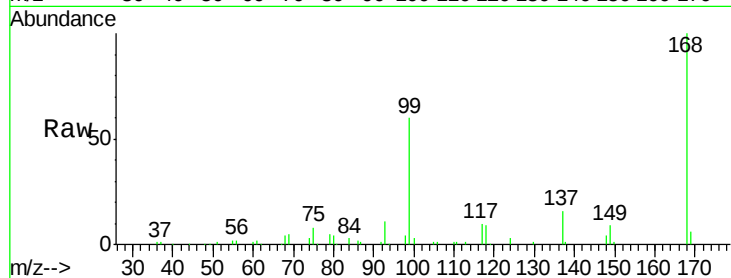
Tot Ion:117 Resp: 46195

Ion Ratio Lower Upper

117 100

119 3.9 75.8 113.8#

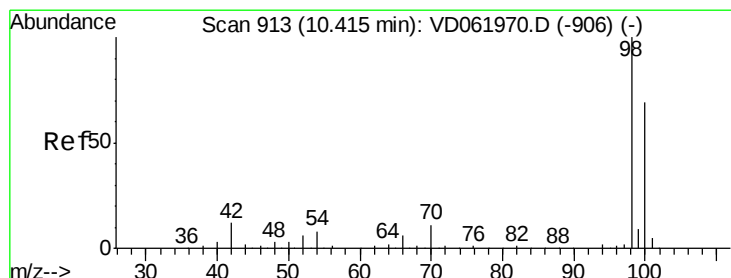
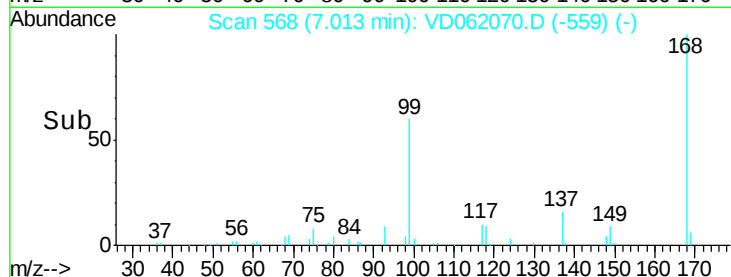
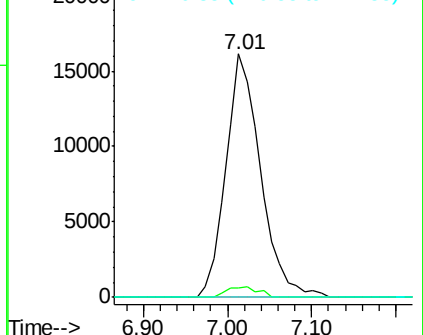
121 0.0 25.9 38.9#



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: 55.125 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.03 min

Lab File: VD062070.D

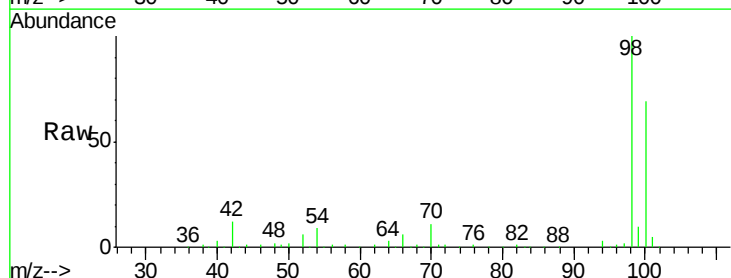
Acq: 29 Apr 2019 18:45

Tgt Ion: 98 Resp: 656034

Ion Ratio Lower Upper

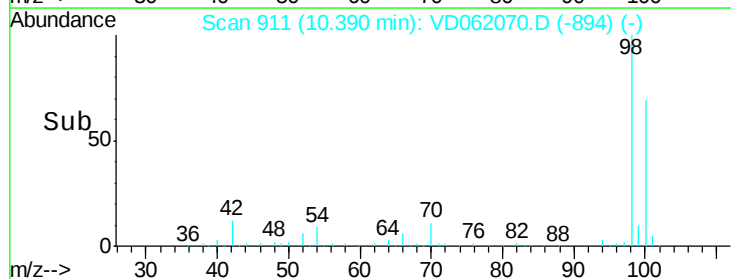
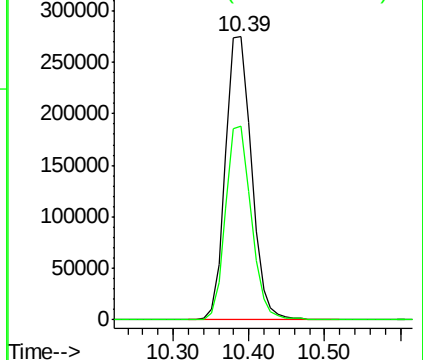
98 100

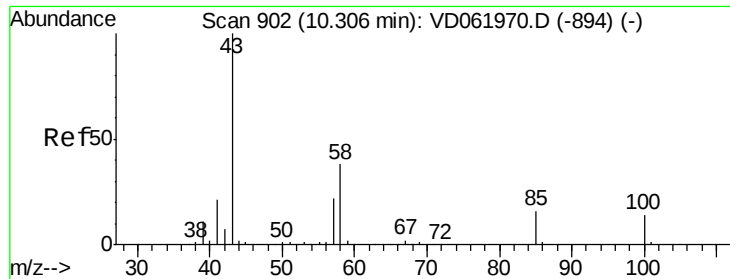
100 68.6 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.219 ug/l

RT: 10.38 min Scan# 910

Delta R.T. 0.08 min

Lab File: VD062070.D

Acq: 29 Apr 2019 18:45

Instrument :

MSVOA_D

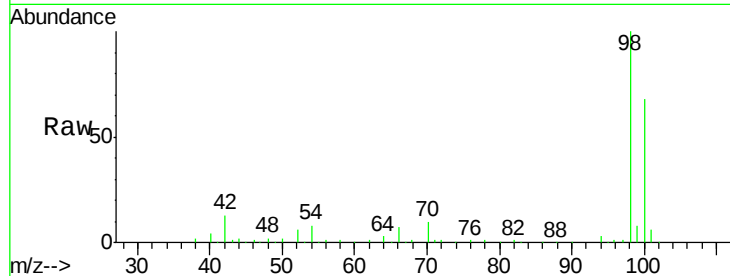
ClientSampleId :

Tot Ion: 43 Resp: 2615

Ion Ratio Lower Upper

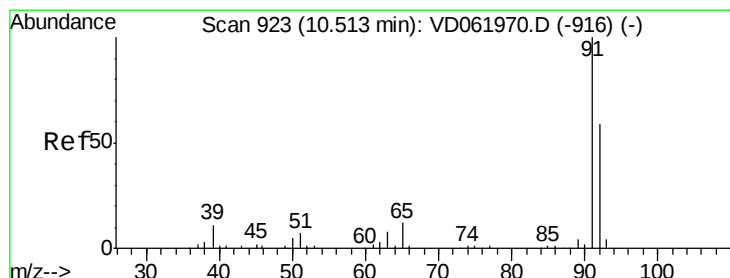
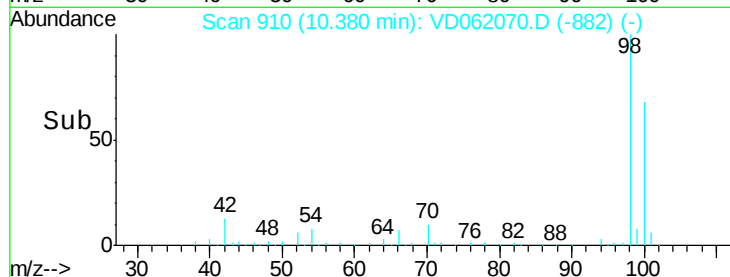
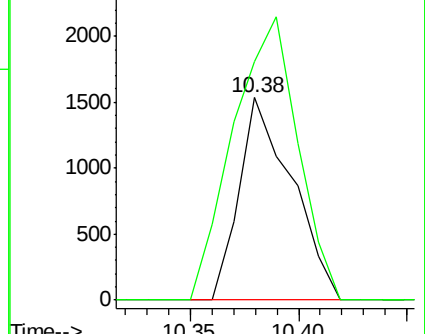
43 100

58 117.8 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 2.379 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.03 min

Lab File: VD062070.D

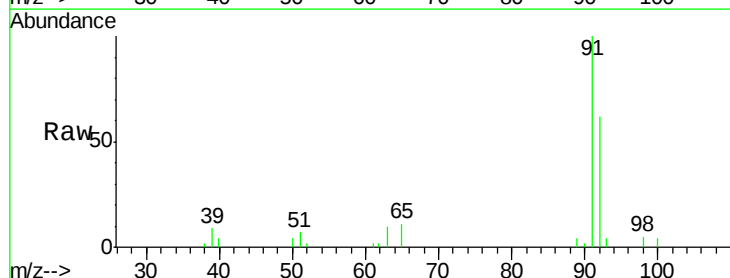
Acq: 29 Apr 2019 18:45

Tgt Ion: 92 Resp: 21159

Ion Ratio Lower Upper

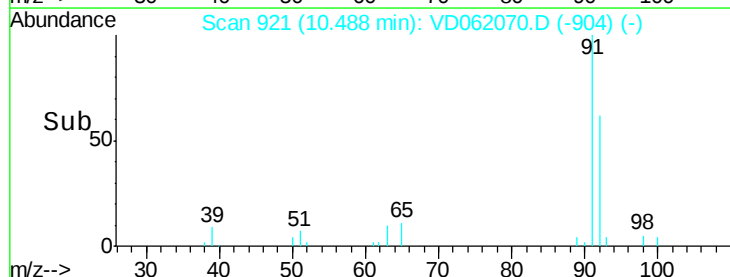
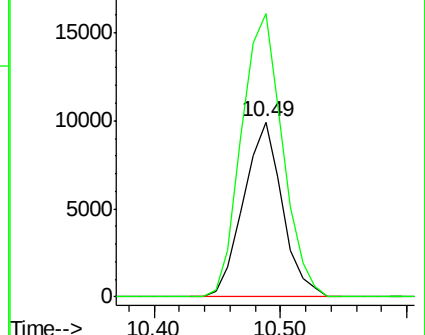
92 100

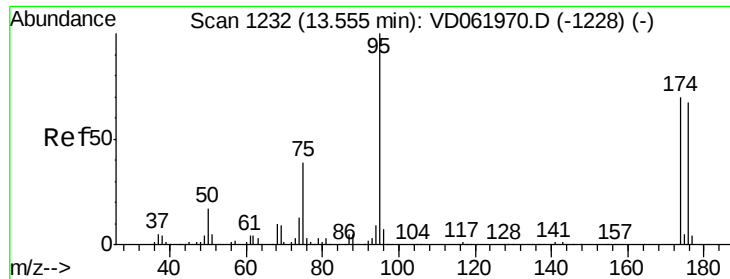
91 162.0 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: 51.875 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VD062070.D

Acq: 29 Apr 2019 18:45

Instrument :

MSVOA_D

ClientSampleId :

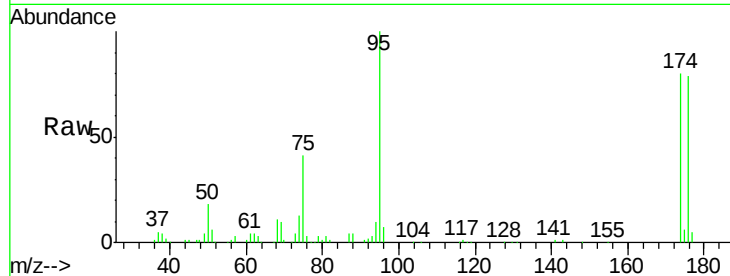
Tot Ion: 95 Resp: 247617

Ion Ratio Lower Upper

95 100

174 79.8 0.0 181.8

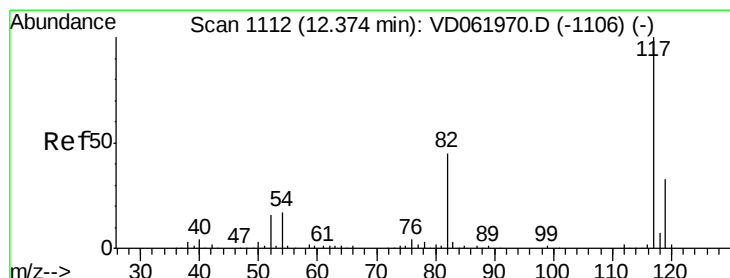
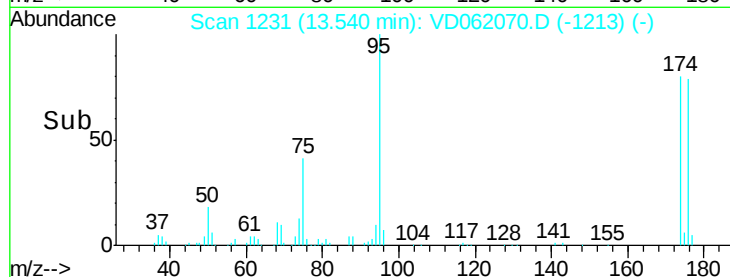
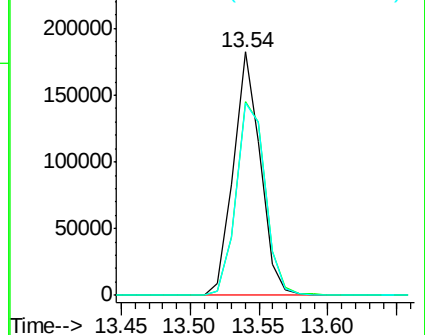
176 78.8 0.0 174.4



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: 12.35 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VD062070.D

Acq: 29 Apr 2019 18:45

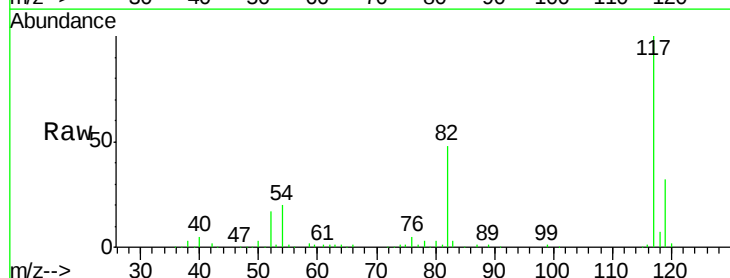
Tgt Ion: 117 Resp: 657755

Ion Ratio Lower Upper

117 100

82 48.1 36.2 54.2

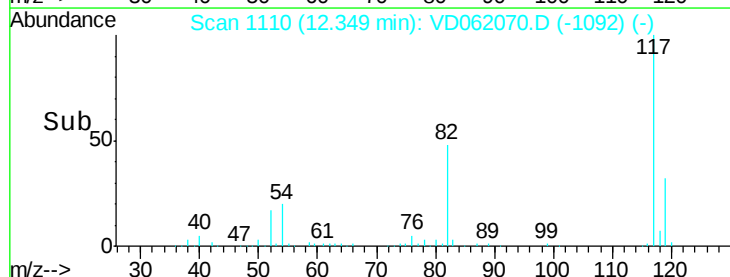
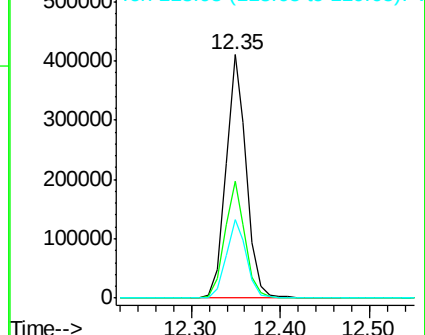
119 32.1 26.2 39.4

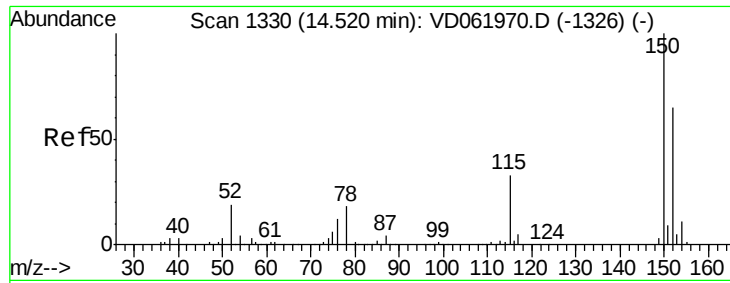


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



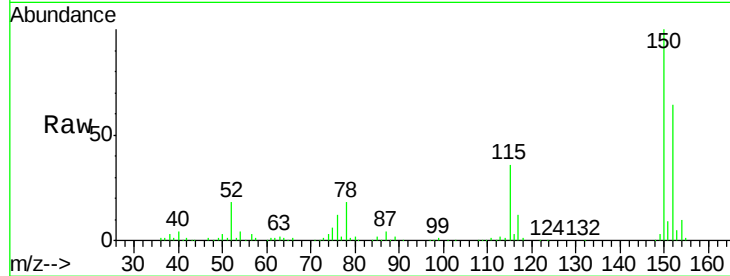


#72

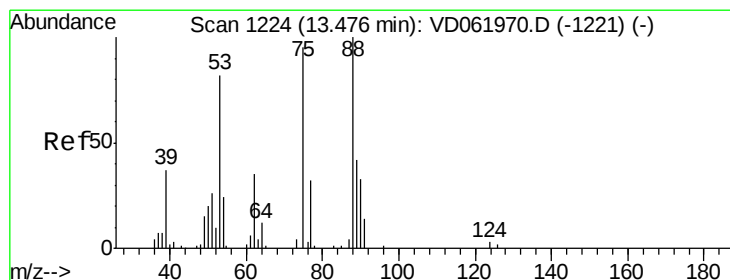
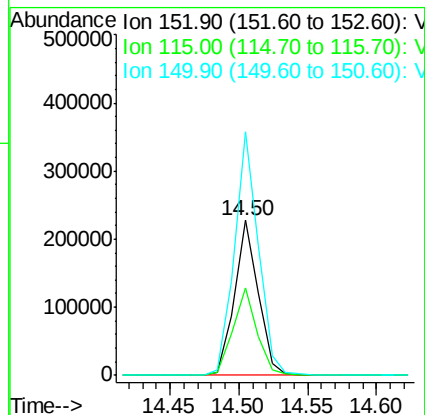
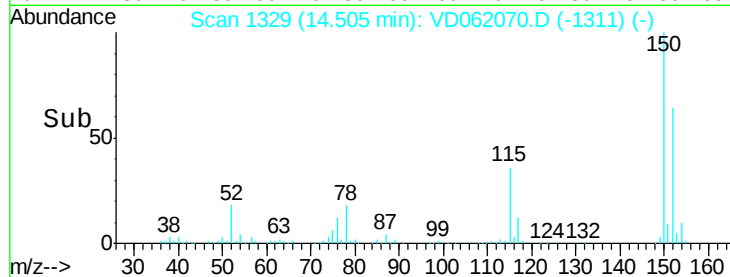
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.02 min
Lab File: VD062070.D
Acq: 29 Apr 2019 18:45

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.3	30.9	92.7
150	157.3	0.0	314.8



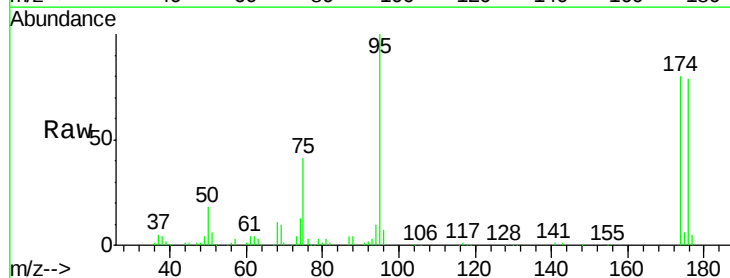
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 93.474 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.06 min
Lab File: VD062070.D
Acq: 29 Apr 2019 18:45

Tgt 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

