

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040519\
 Data File : VD061634.D
 Acq On : 5 Apr 2019 21:21
 Operator : VA/AP
 Sample : K2240-04
 Misc : 5.07g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 06 00:30:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	439171	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	727926	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	581947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	236292	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	169294	45.13	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	90.26%	
35) Dibromofluoromethane	6.91	113	265081	47.65	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	95.30%	
50) Toluene-d8	10.40	98	542327	40.65	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	81.30%	
62) 4-Bromofluorobenzene	13.55	95	199964	39.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	78.16%	

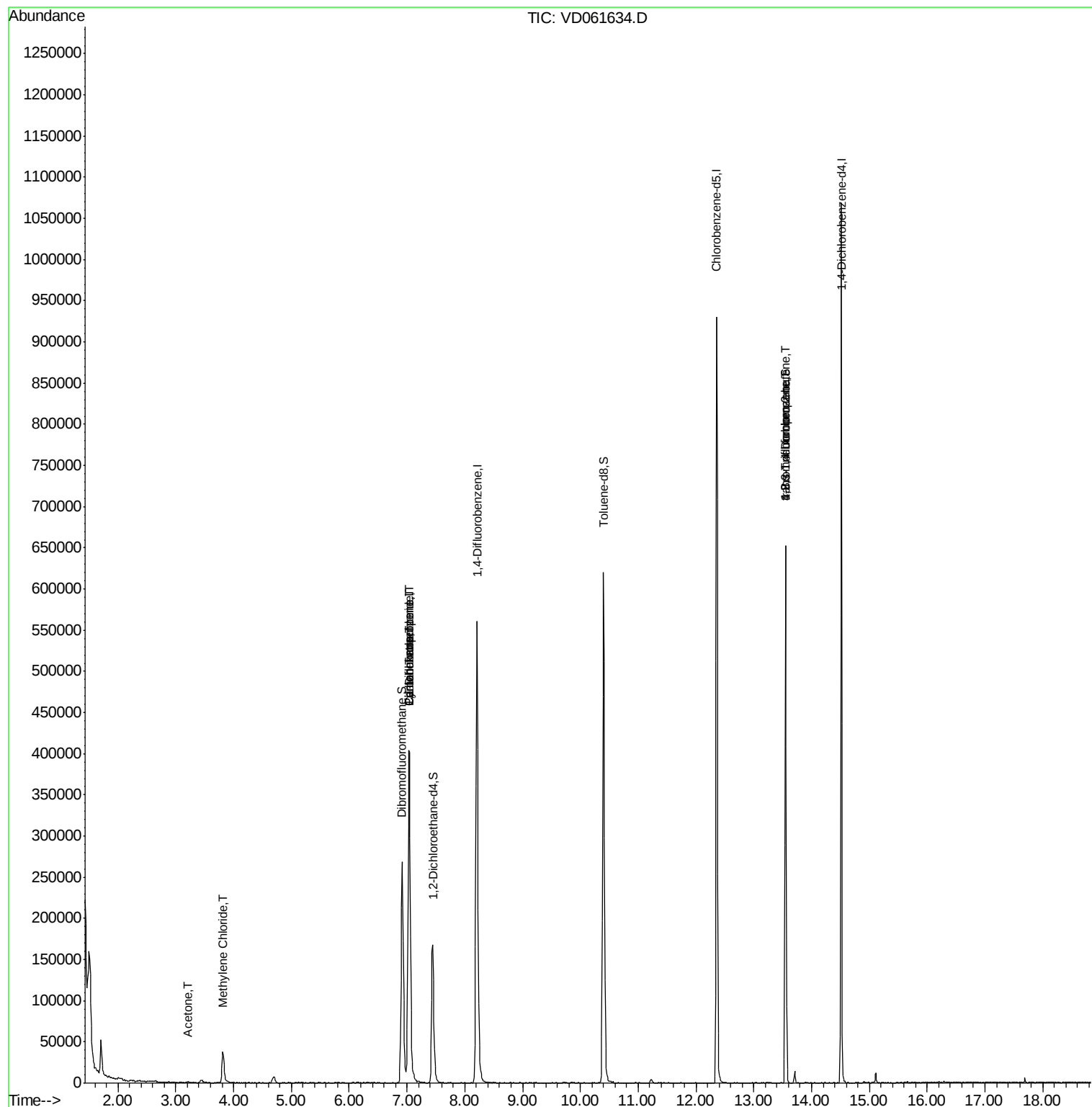
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.21	43	2373	2.461	ug/l #	48
20) Methylene Chloride	3.81	84	30095	3.796	ug/l	94
31) Cyclohexane	7.03	56	6898	1.068	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	31953	5.029	ug/l #	44
38) Carbon Tetrachloride	7.04	117	42179	5.778	ug/l #	13
76) 1,2,3-Trichloropropane	13.55	75	52729	15.448	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.55	75	71930	69.116	ug/l #	18

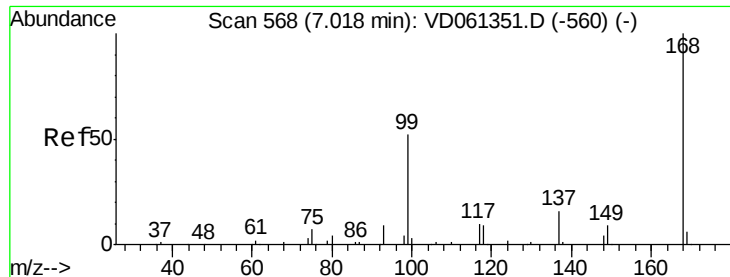
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040519\
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QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD061634.D

Acq: 5 Apr 2019 21:21

Instrument :

MSVOA_D

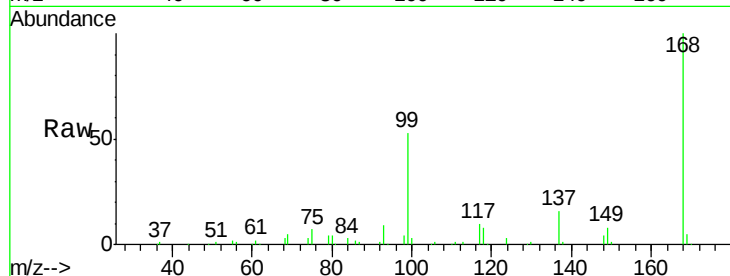
ClientSampleId :

Tot Ion:168 Resp: 439171

Ion Ratio Lower Upper

168 100

99 53.5 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

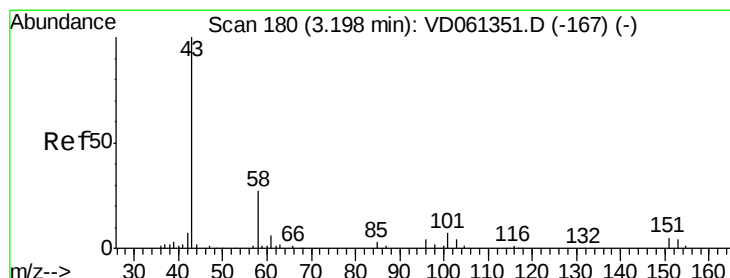
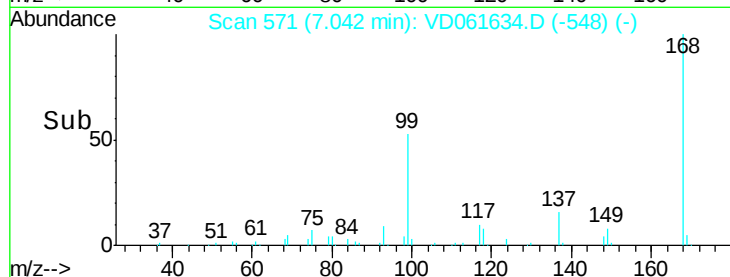
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 2.461 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD061634.D

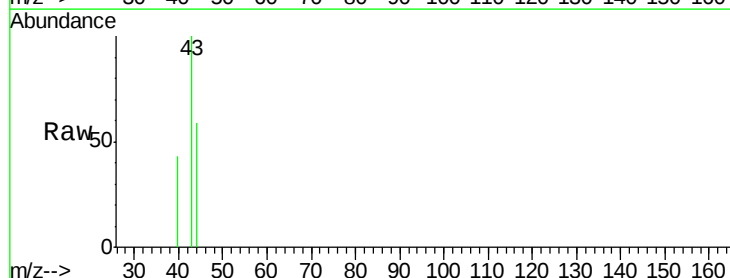
Acq: 5 Apr 2019 21:21

Tgt Ion: 43 Resp: 2373

Ion Ratio Lower Upper

43 100

58 0.0 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.21

1200

1000

800

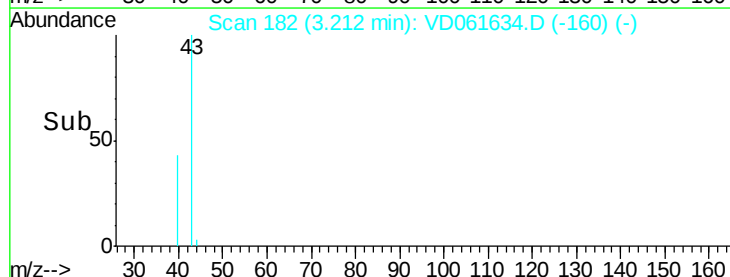
600

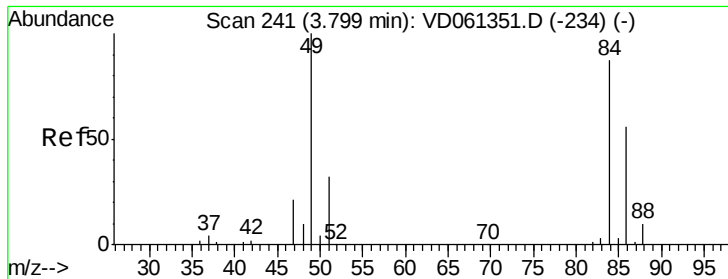
400

200

0

Time-->

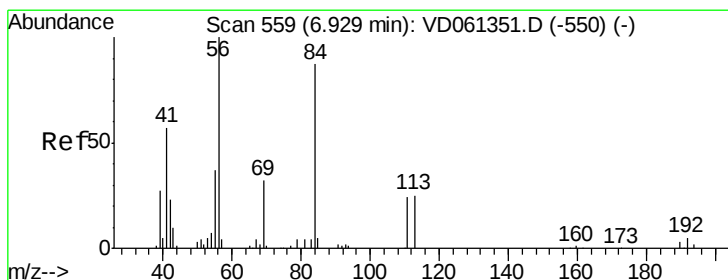
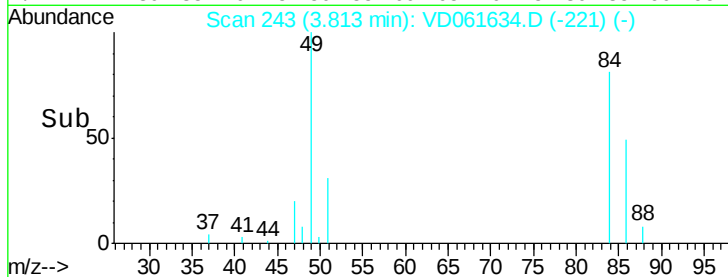
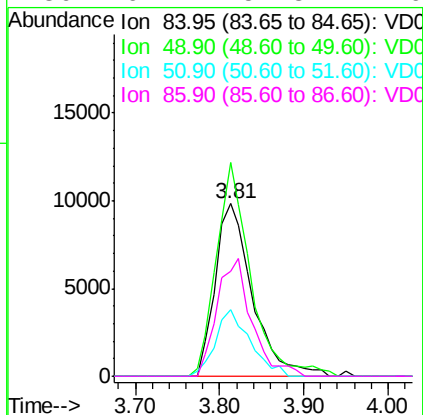
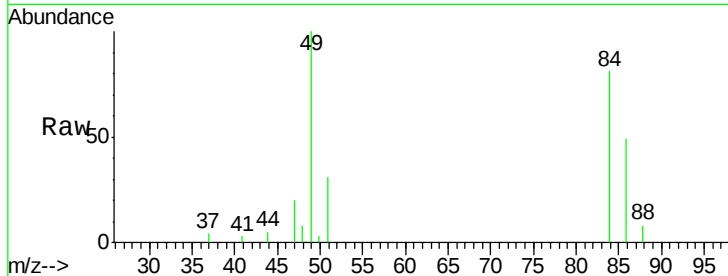




#20
Methylene Chloride
Concen: 3.796 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD061634.D
Acq: 5 Apr 2019 21:21

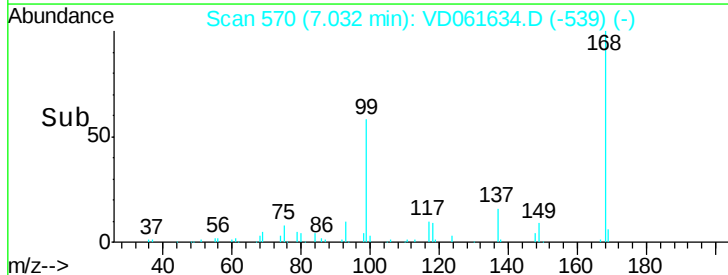
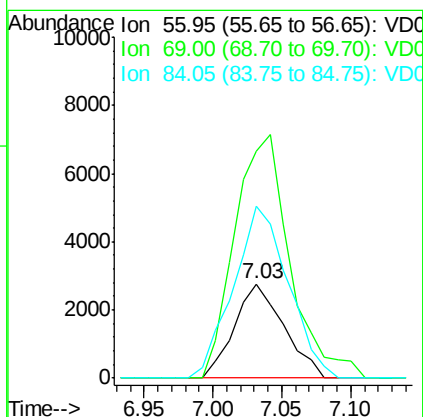
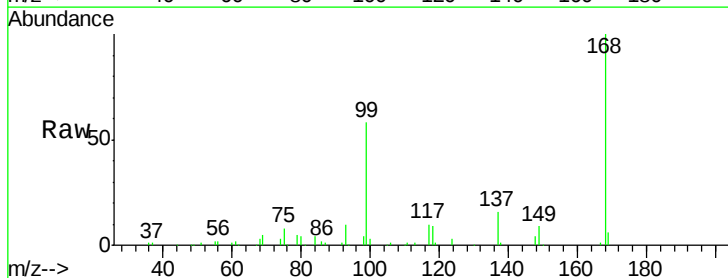
Instrument :
MSVOA_D
ClientSampleId :

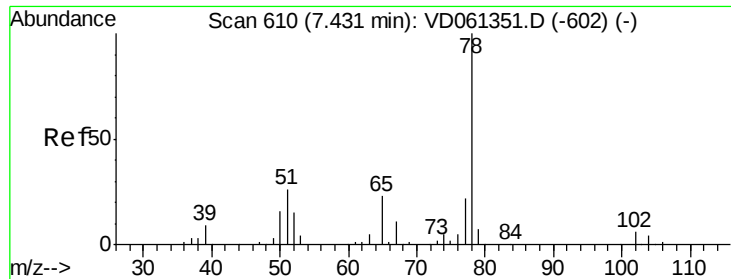
Tot Ion:	84	Resp:	30095
Ion	Ratio	Lower	Upper
84	100		
49	123.9	91.8	137.8
51	38.9	29.8	44.8
86	61.2	51.8	77.6



#31
Cyclohexane
Concen: 1.068 ug/l
RT: 7.03 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD061634.D
Acq: 5 Apr 2019 21:21

Tgt Ion:	56	Resp:	6898
Ion	Ratio	Lower	Upper
56	100		
69	240.5	25.7	38.5#
84	182.6	70.6	105.8#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD061634.D

Acq: 5 Apr 2019 21:21

Instrument :

MSVOA_D

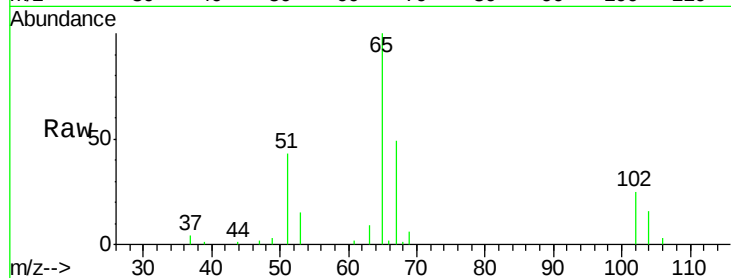
ClientSampleId :

Tot Ion: 65 Resp: 169294

Ion Ratio Lower Upper

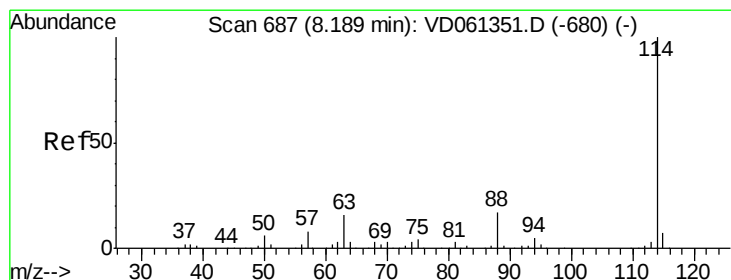
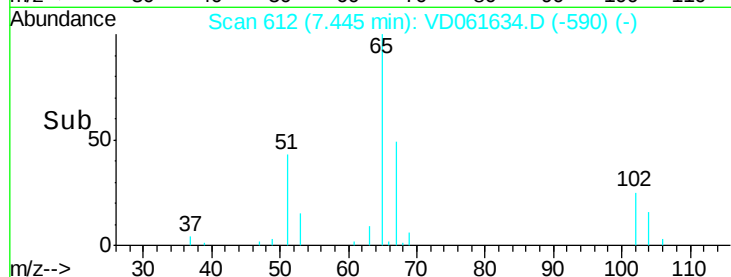
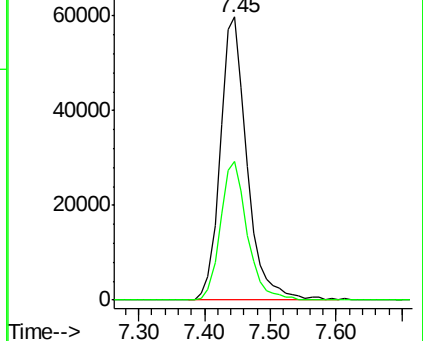
65 100

67 48.9 0.0 99.8



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: 8.21 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD061634.D

Acq: 5 Apr 2019 21:21

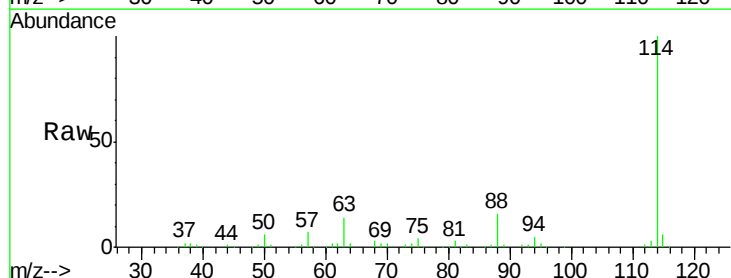
Tgt Ion: 114 Resp: 727926

Ion Ratio Lower Upper

114 100

63 13.9 0.0 31.6

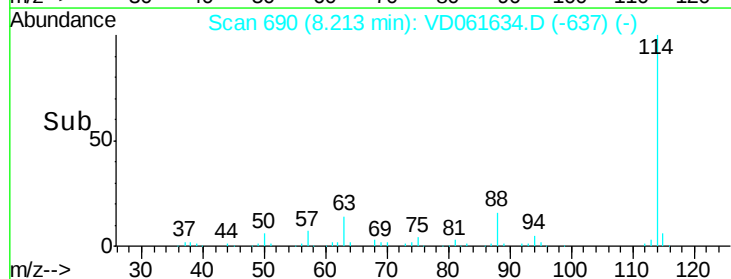
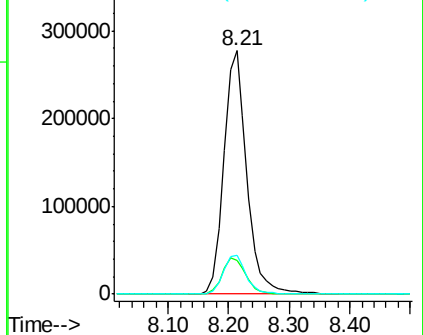
88 16.1 0.0 33.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

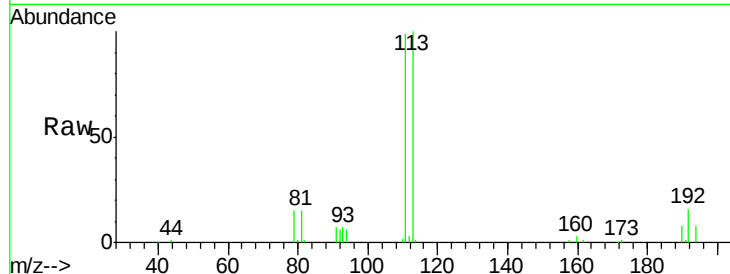




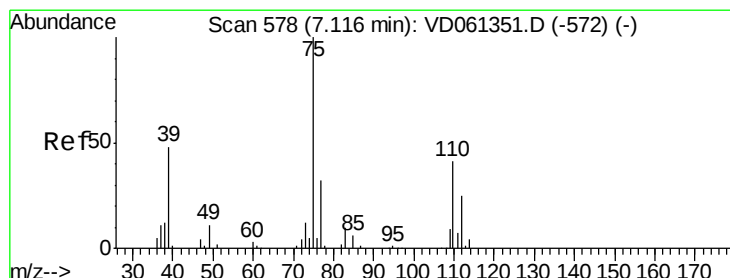
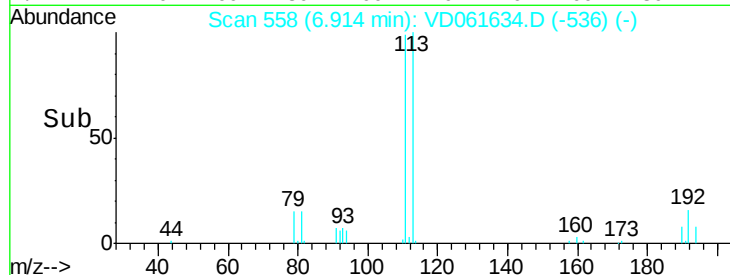
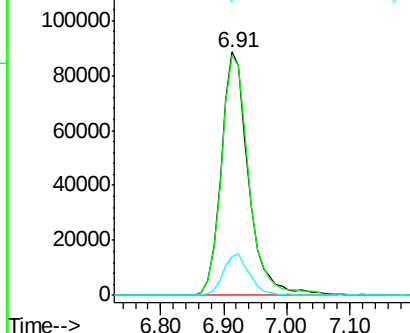
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.91 min Scan# 558
Delta R.T. 0.01 min
Lab File: VD061634.D
Acq: 5 Apr 2019 21:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113 Resp: 265081
Ion Ratio Lower Upper
113 100
111 98.6 81.0 121.6
192 16.1 14.4 21.6

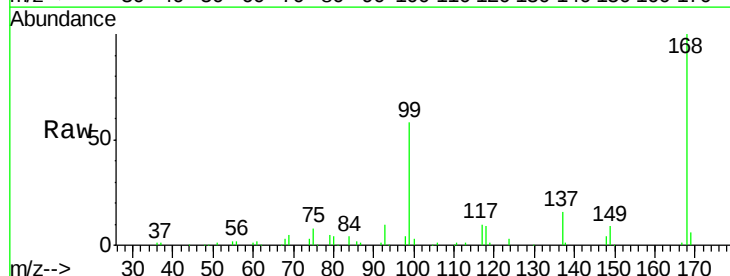


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

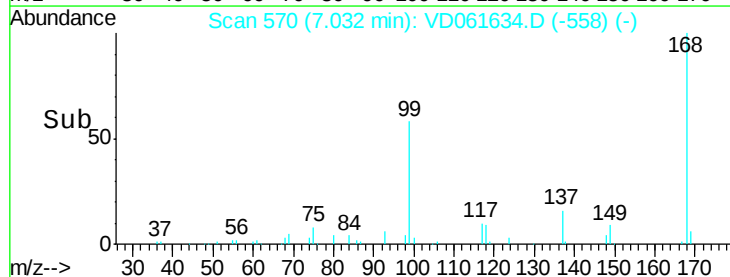
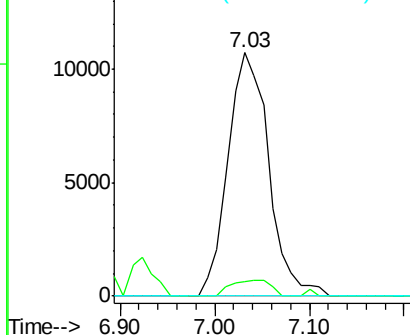


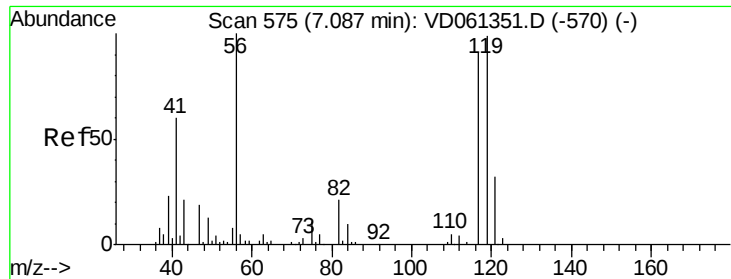
#36
1,1-Dichloropropene
Concen: 5.029 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.08 min
Lab File: VD061634.D
Acq: 5 Apr 2019 21:21

Tgt Ion: 75 Resp: 31953
Ion Ratio Lower Upper
75 100
110 5.8 20.4 61.3#
77 0.0 24.9 37.3#



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





#38

Carbon Tetrachloride

Concen: 5.778 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD061634.D

Acq: 5 Apr 2019 21:21

Instrument :

MSVOA_D

ClientSampleId :

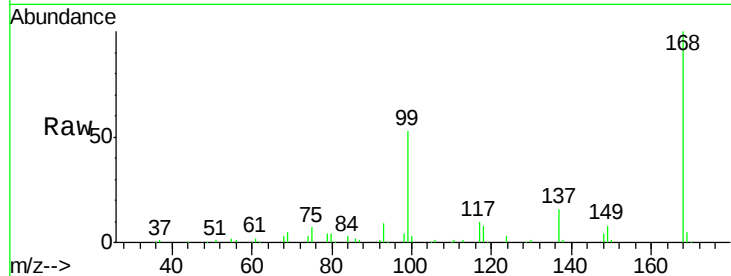
Tot Ion:117 Resp: 42179

Ion Ratio Lower Upper

117 100

119 3.9 80.1 120.1#

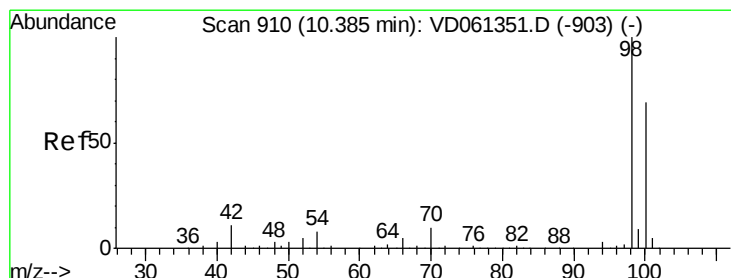
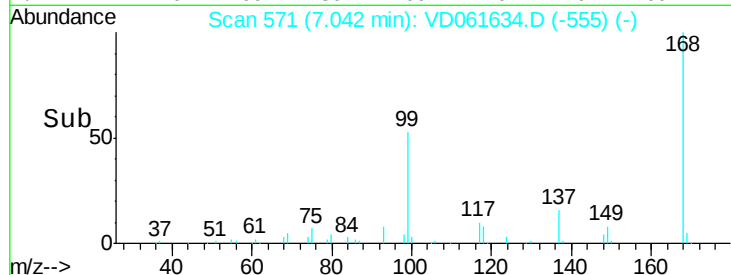
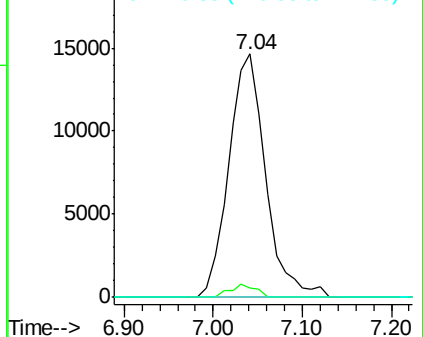
121 0.0 25.6 38.4#



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: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD061634.D

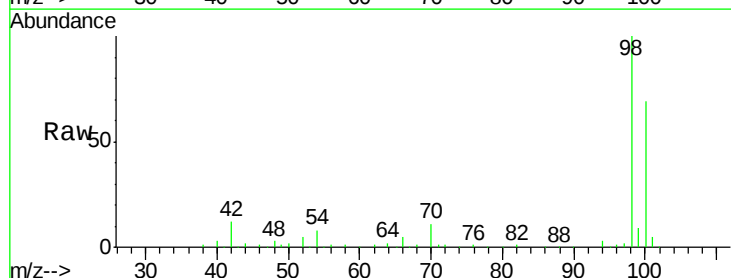
Acq: 5 Apr 2019 21:21

Tgt Ion: 98 Resp: 542327

Ion Ratio Lower Upper

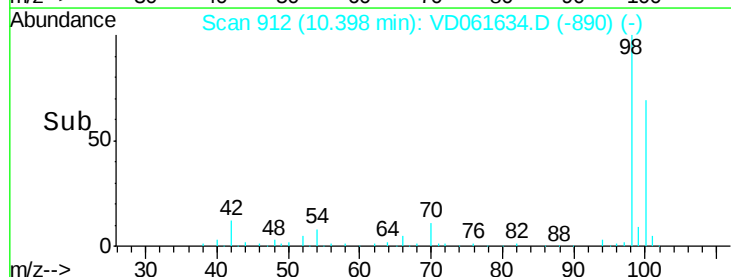
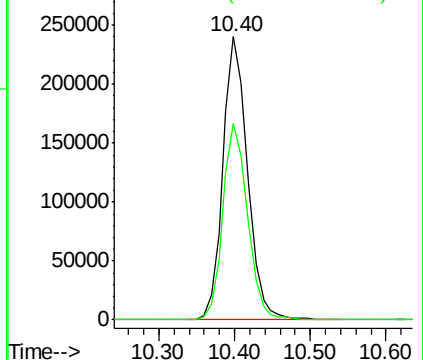
98 100

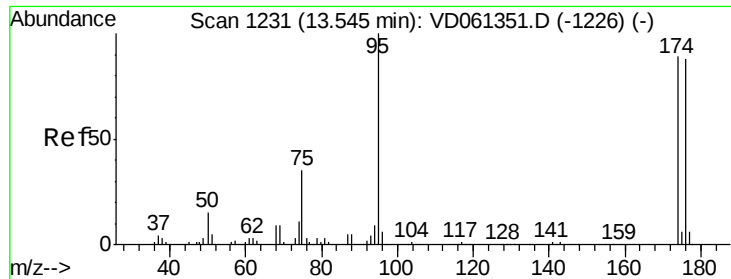
100 69.2 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

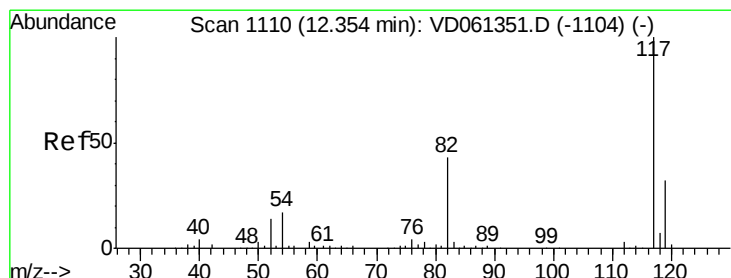
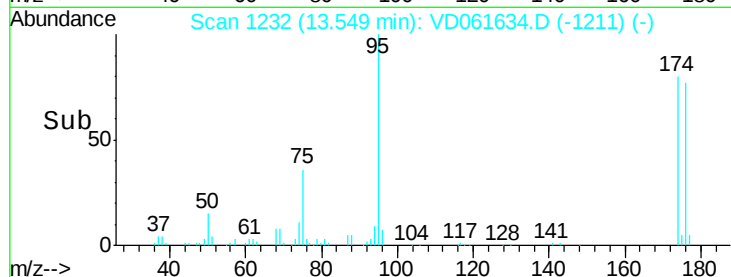
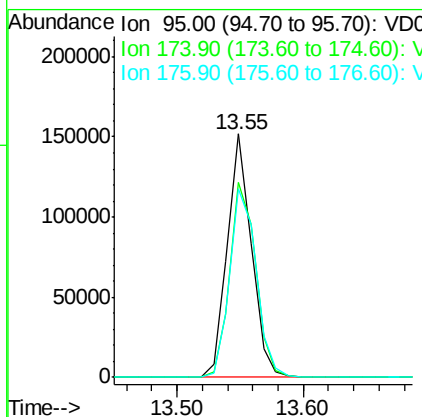
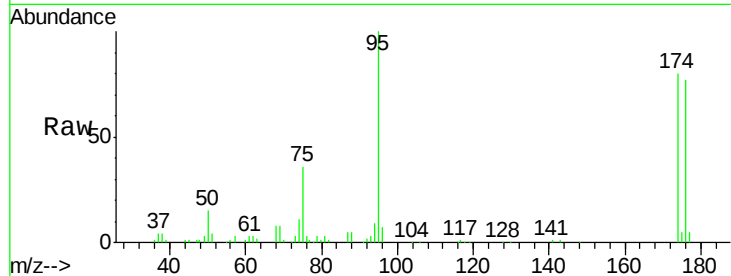




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD061634.D
Acq: 5 Apr 2019 21:21

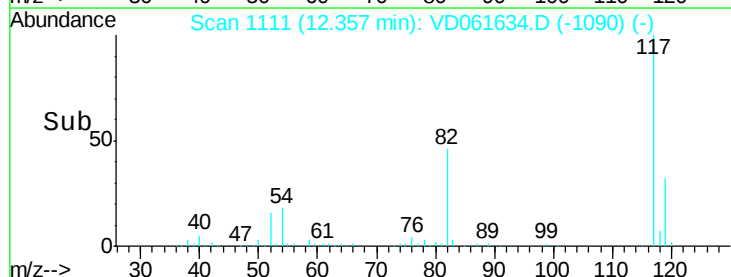
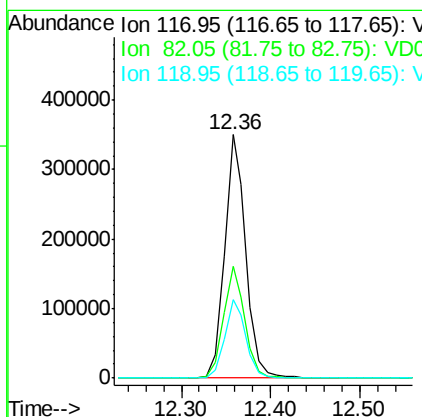
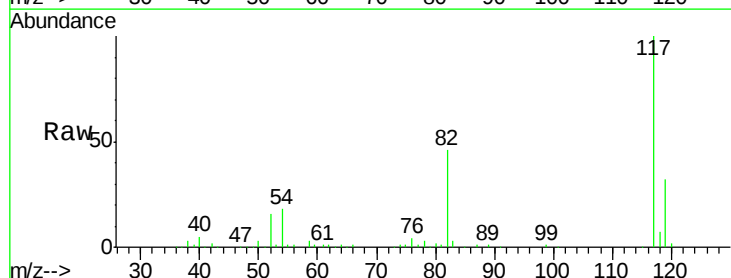
Instrument :
MSVOA_D
ClientSampleId :

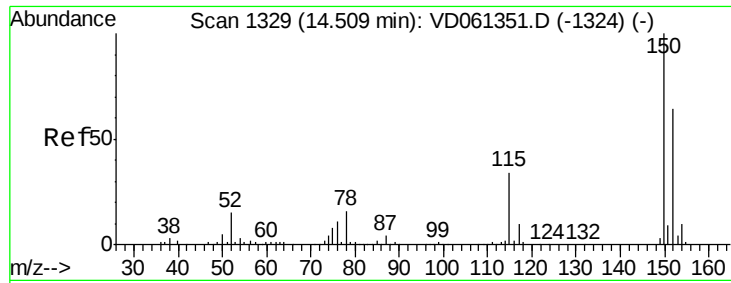
Tot Ion: 95 Resp: 199964
Ion Ratio Lower Upper
95 100
174 79.9 0.0 178.0
176 77.5 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061634.D
Acq: 5 Apr 2019 21:21

Tgt Ion: 117 Resp: 581947
Ion Ratio Lower Upper
117 100
82 45.9 34.4 51.6
119 32.2 25.8 38.6



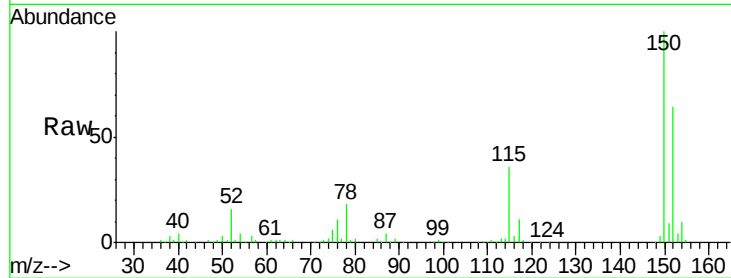


#72

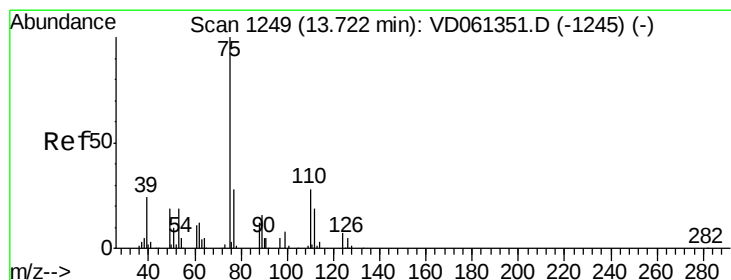
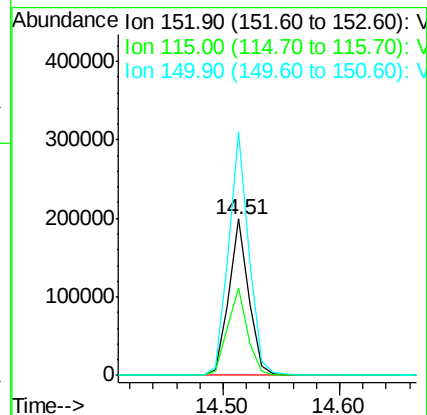
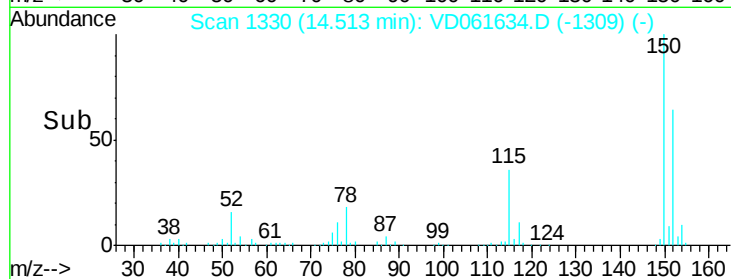
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061634.D
Acq: 5 Apr 2019 21:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 236292
Ion Ratio Lower Upper
152 100
115 55.8 26.9 80.6
150 155.8 0.0 318.0



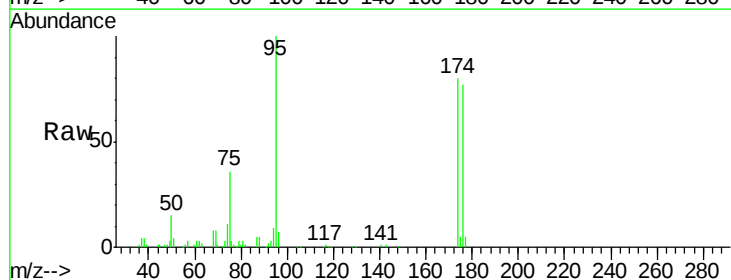
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



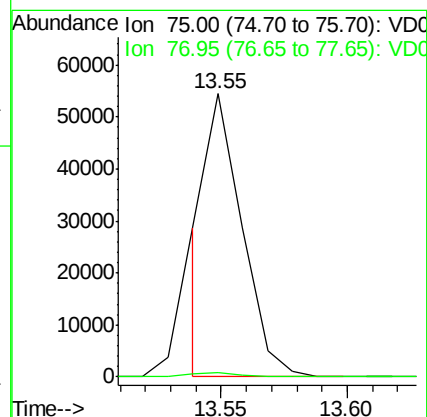
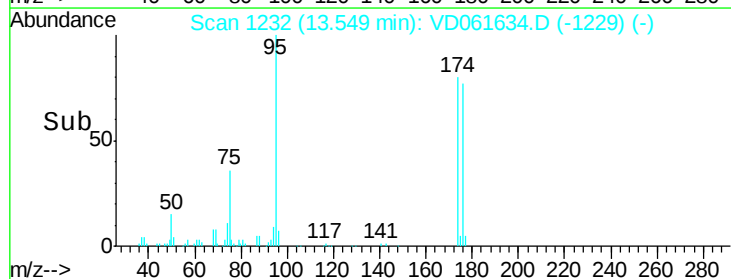
#76

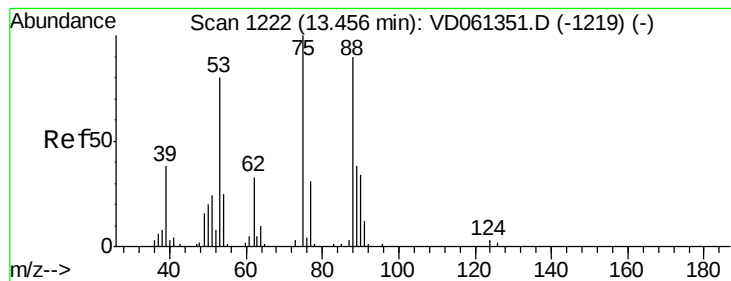
1,2,3-Trichloropropane
Concen: 15.448 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.17 min
Lab File: VD061634.D
Acq: 5 Apr 2019 21:21

Tgt Ion: 75 Resp: 52729
Ion Ratio Lower Upper
75 100
77 1.6 16.2 48.5#



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





#81

trans-1,4-Dichloro-2-butene

Concen: 69.116 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD061634.D

Acq: 5 Apr 2019 21:21

Instrument :

MSVOA_D

ClientSampleId :

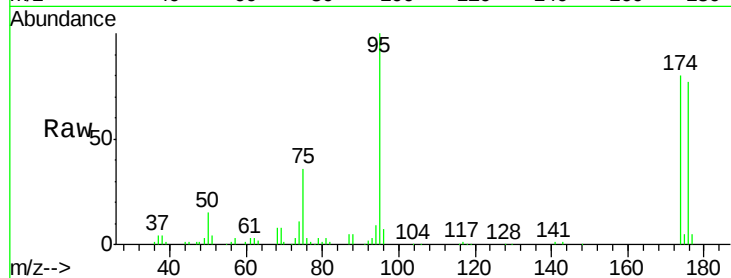
Tot Ion: 75 Resp: 71930

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#



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

