

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033119\
 Data File : VD061451.D
 Acq On : 31 Mar 2019 17:13
 Operator : VA/AP
 Sample : K1698-03RE
 Misc : 7.18g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

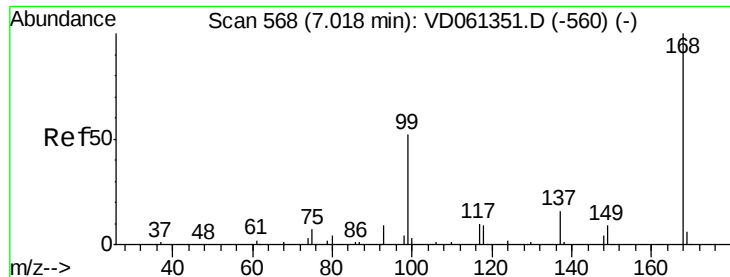
Quant Time: Apr 01 01:54:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	544947	50.00	ug/l	0.06
34) 1,4-Difluorobenzene	8.24	114	907003	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.38	117	717862	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	267299	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	241505	51.88	ug/l	0.05
Spiked Amount			Recovery	=	103.76%	
35) Dibromofluoromethane	6.95	113	365676	52.76	ug/l	0.05
Spiked Amount			Recovery	=	105.52%	
50) Toluene-d8	10.43	98	777327	46.76	ug/l	0.05
Spiked Amount			Recovery	=	93.52%	
62) 4-Bromofluorobenzene	13.56	95	280864	44.06	ug/l	0.02
Spiked Amount			Recovery	=	88.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.07	59	2785	9.606	ug/l #	76
16) Acetone	3.23	43	65602	54.820	ug/l	96
20) Methylene Chloride	3.84	84	25613	1.977	ug/l	98
25) 2-Butanone	6.11	43	6720	4.464	ug/l #	54
36) 1,1-Dichloropropene	7.07	75	38682	4.887	ug/l #	43
37) Ethyl Acetate	6.11	43	6720	1.985	ug/l #	65
38) Carbon Tetrachloride	7.08	117	51699	5.683	ug/l #	14
76) 1,2,3-Trichloropropane	13.56	75	102164	26.459	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	103273	87.721	ug/l #	18

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 574

Delta R.T. 0.06 min

Lab File: VD061451.D

Acq: 31 Mar 2019 17:13

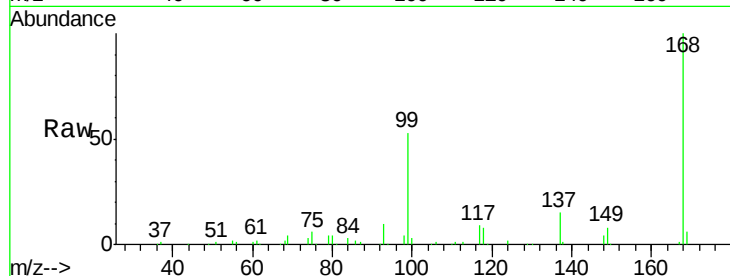
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 544947

Ion Ratio Lower Upper

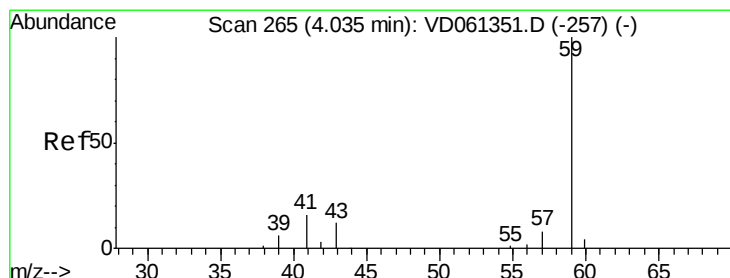
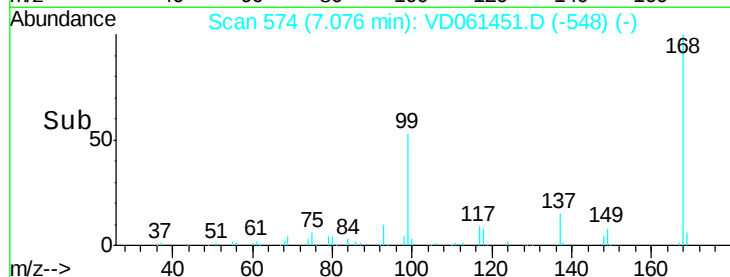
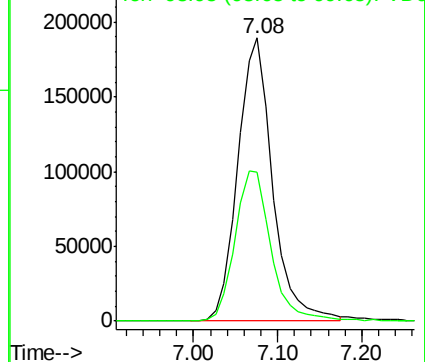
168 100

99 52.8 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 9.606 ug/l

RT: 4.07 min Scan# 269

Delta R.T. 0.04 min

Lab File: VD061451.D

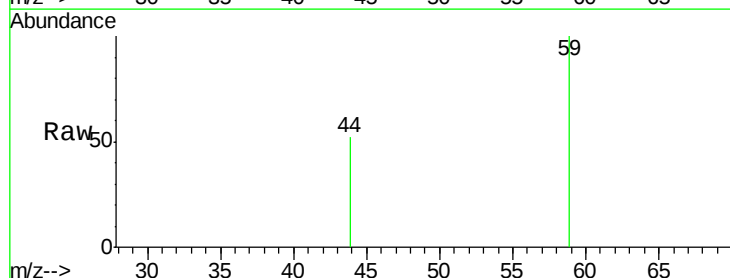
Acq: 31 Mar 2019 17:13

Tgt Ion: 59 Resp: 2785

Ion Ratio Lower Upper

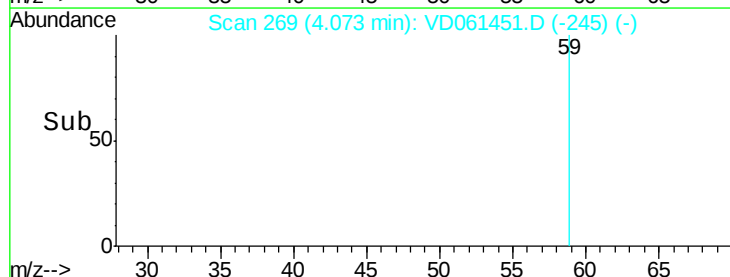
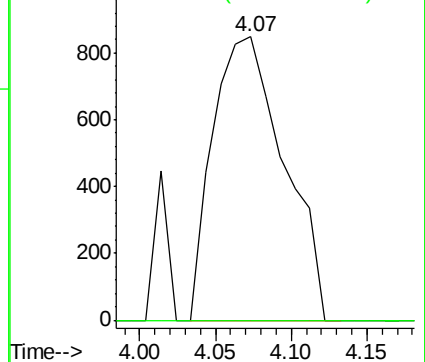
59 100

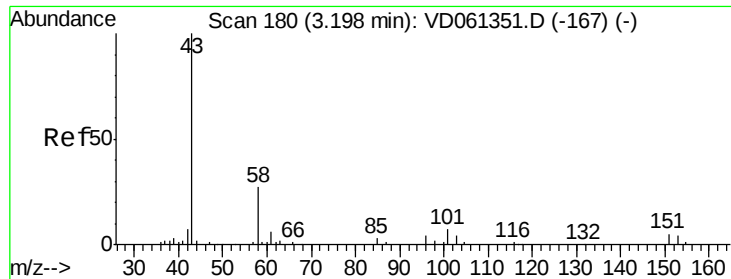
57 0.0 6.7 10.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 54.820 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD061451.D

Acq: 31 Mar 2019 17:13

Instrument :

MSVOA_D

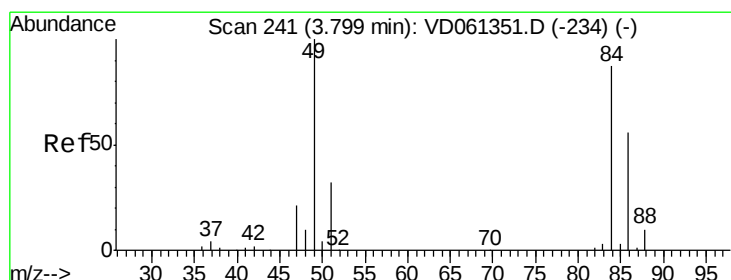
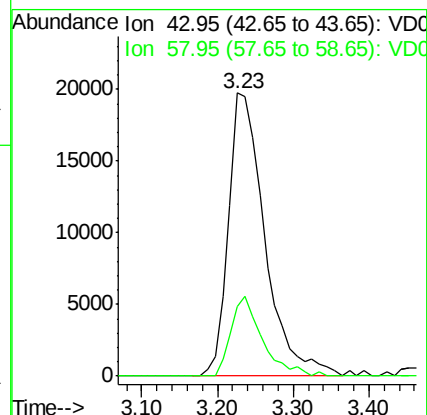
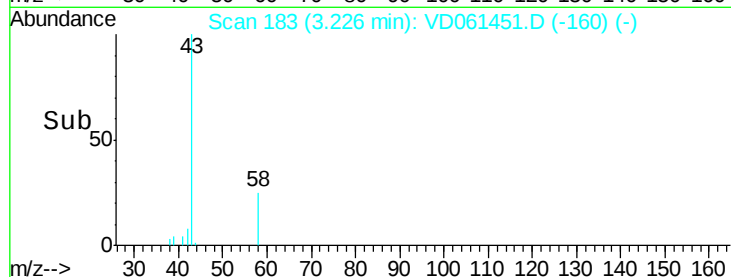
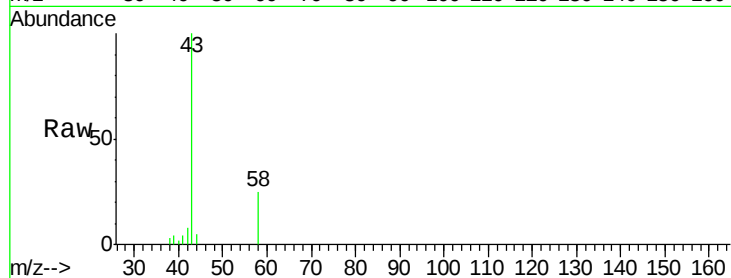
ClientSampleId :

Tot Ion: 43 Resp: 65602

Ion Ratio Lower Upper

43 100

58 24.8 21.5 32.3



#20

Methylene Chloride

Concen: 1.977 ug/l

RT: 3.84 min Scan# 245

Delta R.T. 0.04 min

Lab File: VD061451.D

Acq: 31 Mar 2019 17:13

Tgt Ion: 84 Resp: 25613

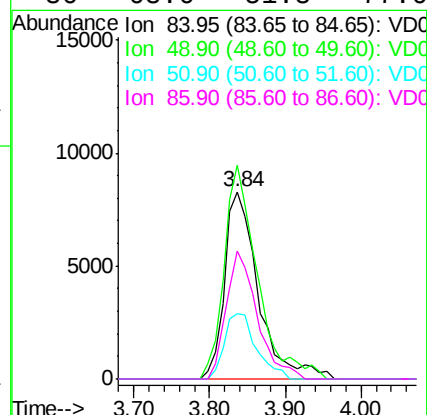
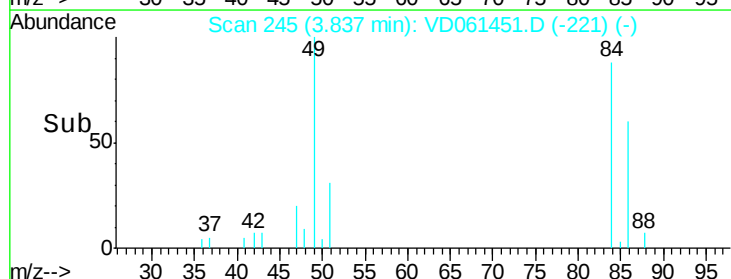
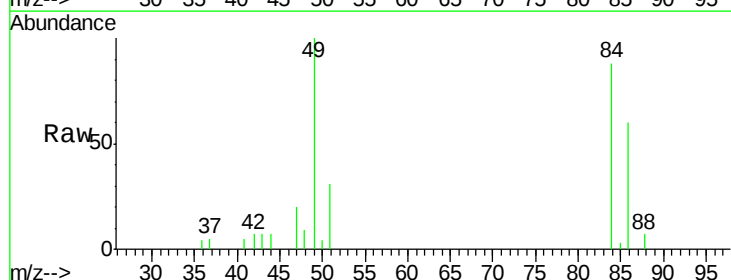
Ion Ratio Lower Upper

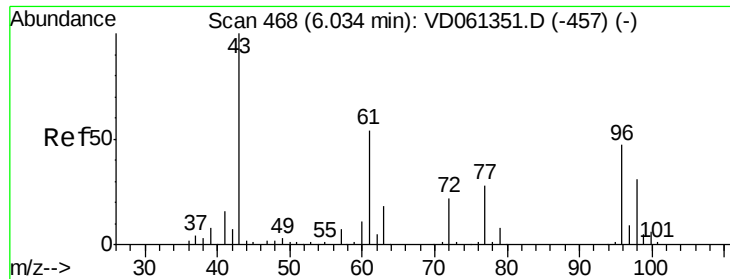
84 100

49 114.0 91.8 137.8

51 35.2 29.8 44.8

86 68.6 51.8 77.6





#25

2-Butanone

Concen: 4.464 ug/l

RT: 6.11 min Scan# 476

Delta R.T. 0.08 min

Lab File: VD061451.D

Acq: 31 Mar 2019 17:13

Instrument :

MSVOA_D

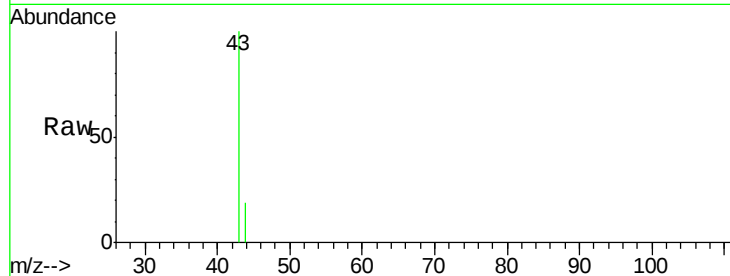
ClientSampleId :

Tot Ion: 43 Resp: 6720

Ion Ratio Lower Upper

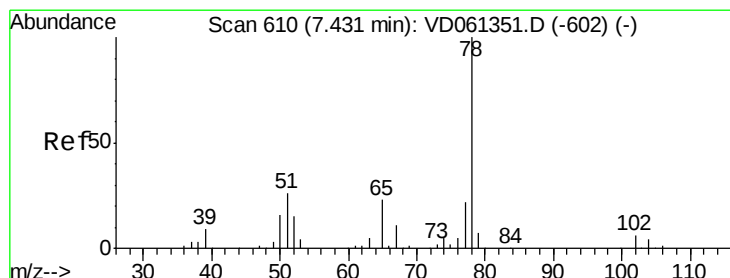
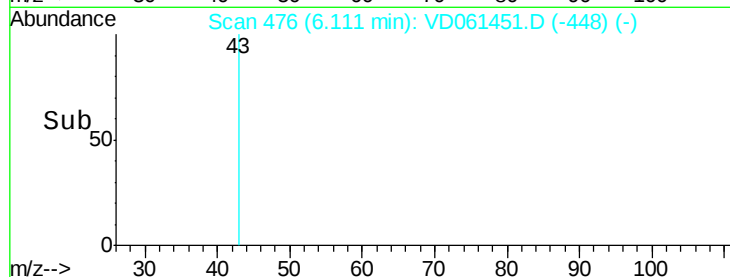
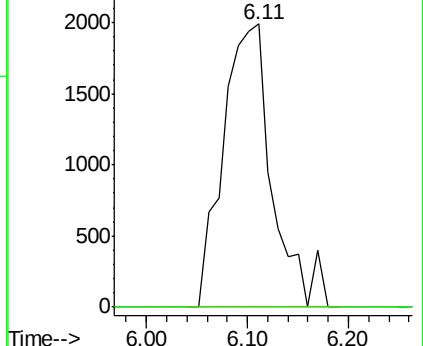
43 100

72 0.0 17.2 25.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.05 min

Lab File: VD061451.D

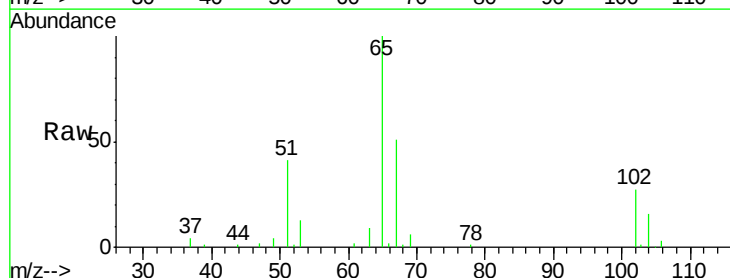
Acq: 31 Mar 2019 17:13

Tgt Ion: 65 Resp: 241505

Ion Ratio Lower Upper

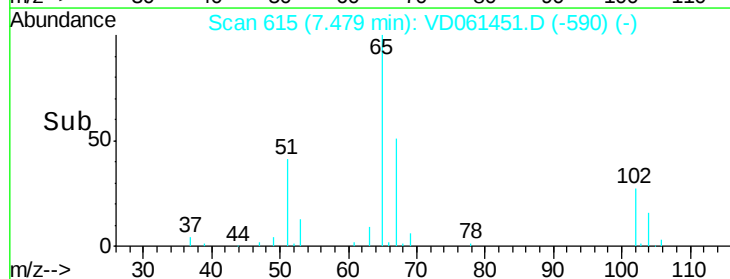
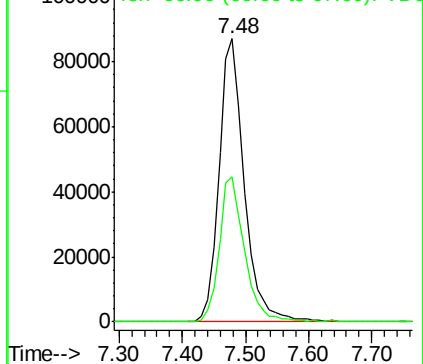
65 100

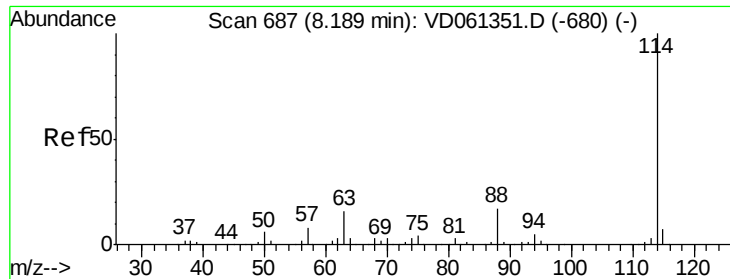
67 51.1 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

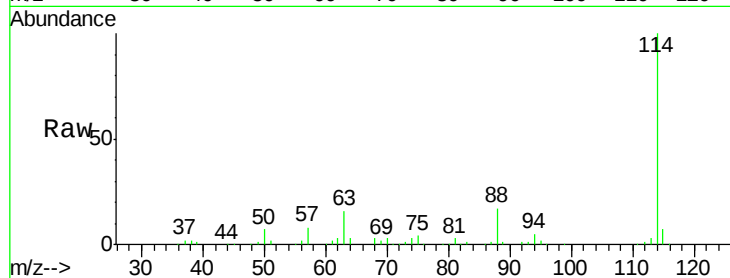




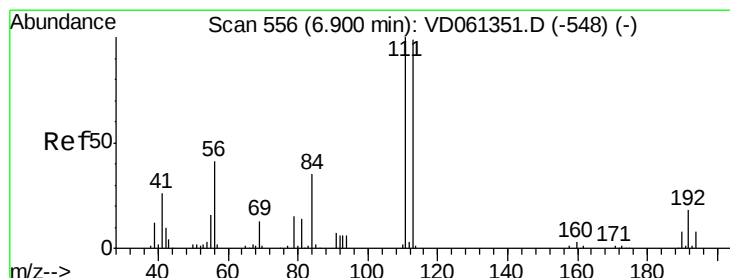
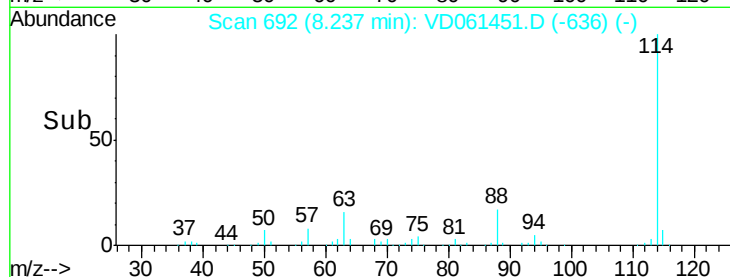
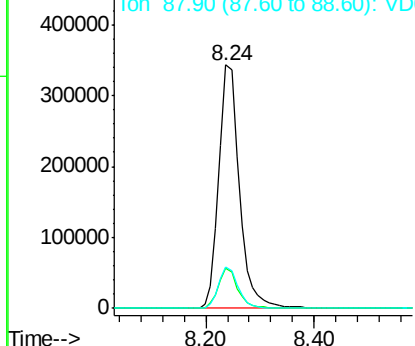
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.05 min
 Lab File: VD061451.D
 Acq: 31 Mar 2019 17:13

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 907003
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 31.6
 88 17.2 0.0 33.4

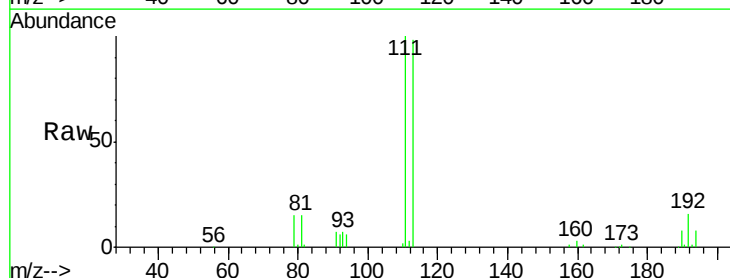


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

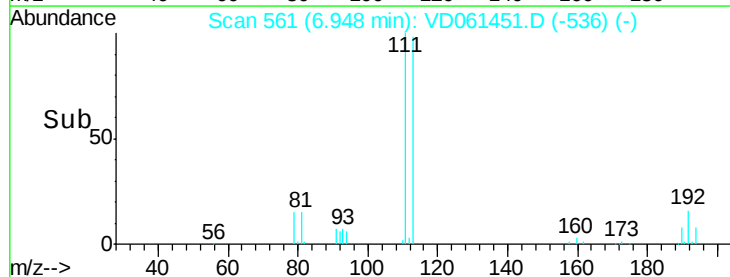
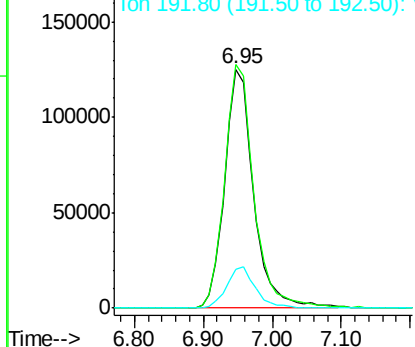


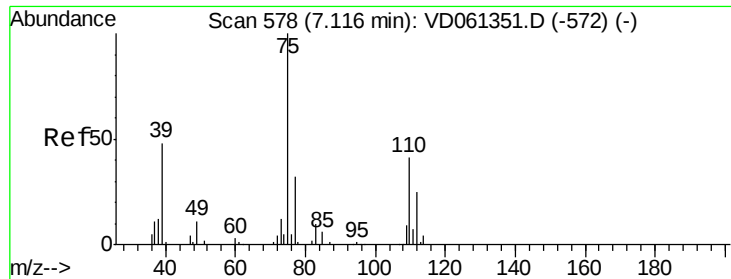
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD061451.D
 Acq: 31 Mar 2019 17:13

Tgt Ion:113 Resp: 365676
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.0 121.6
 192 16.5 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: 4.887 ug/l

RT: 7.07 min Scan# 573

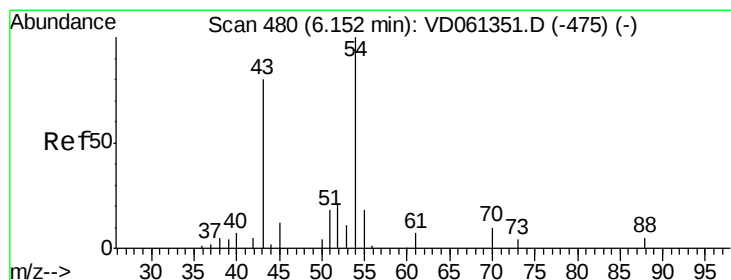
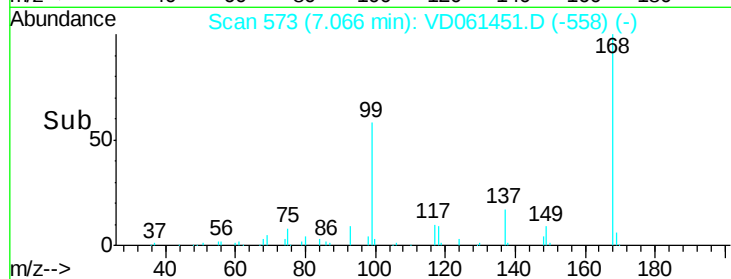
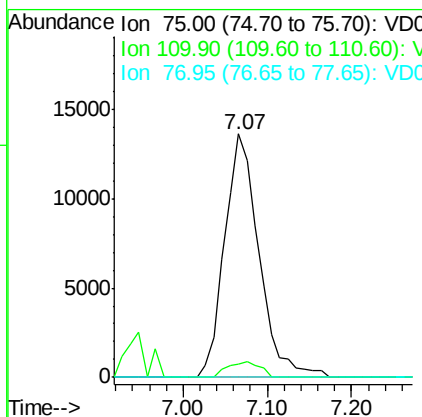
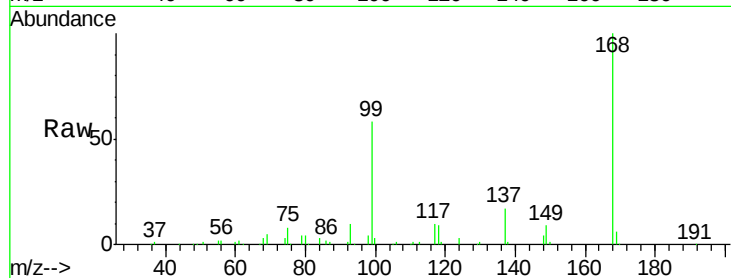
Delta R.T. -0.05 min

Lab File: VD061451.D

Acq: 31 Mar 2019 17:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	75	Resp:	38682
Ion	Ratio	Lower	Upper
75	100		
110	5.6	20.4	61.3#
77	0.0	24.9	37.3#



#37

Ethyl Acetate

Concen: 1.985 ug/l

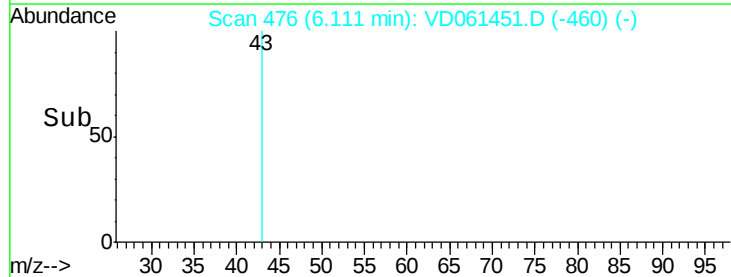
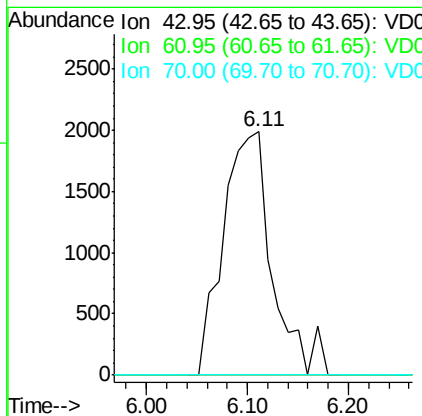
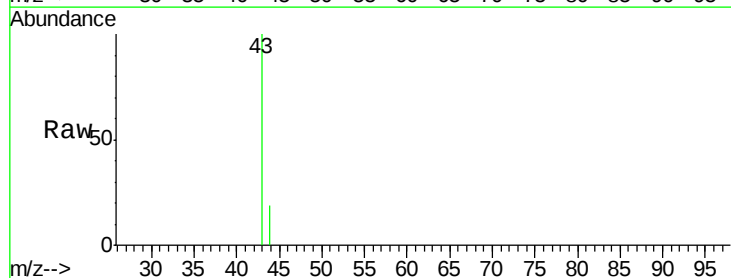
RT: 6.11 min Scan# 476

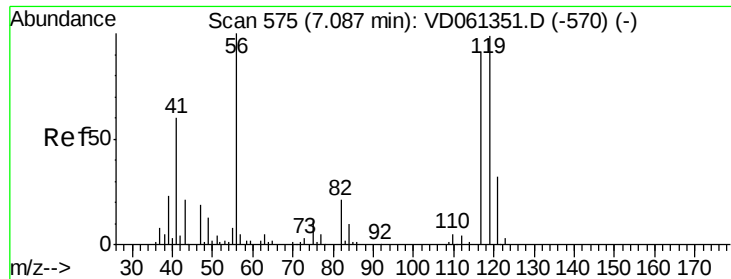
Delta R.T. -0.04 min

Lab File: VD061451.D

Acq: 31 Mar 2019 17:13

Tgt Ion:	43	Resp:	6720
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.8	20.8#
70	0.0	7.8	11.8#





#38

Carbon Tetrachloride

Concen: 5.683 ug/l

RT: 7.08 min Scan# 574

Delta R.T. -0.01 min

Lab File: VD061451.D

Acq: 31 Mar 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

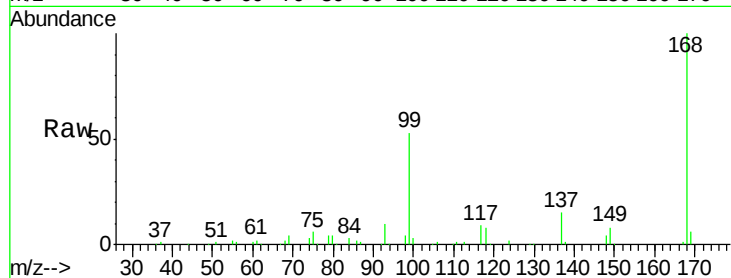
Tot Ion:117 Resp: 51699

Ion Ratio Lower Upper

117 100

119 4.5 80.1 120.1#

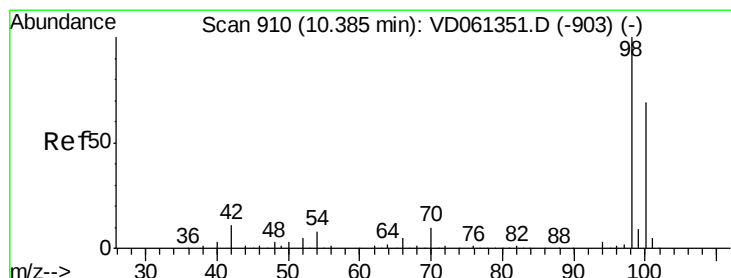
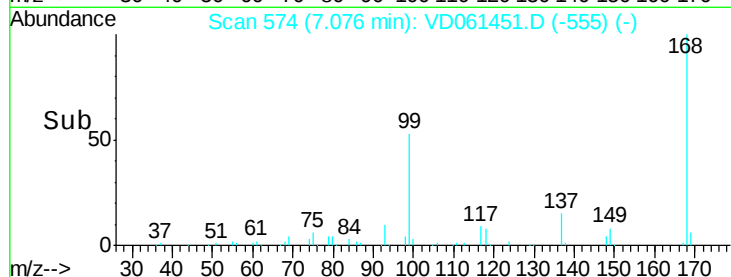
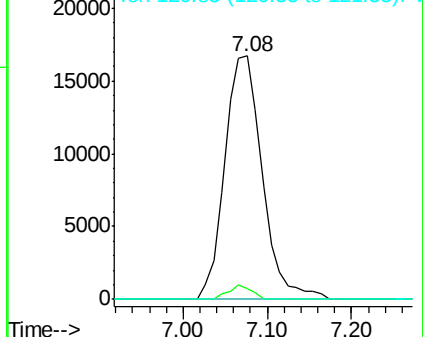
121 0.0 25.6 38.4#



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: 10.43 min Scan# 915

Delta R.T. 0.05 min

Lab File: VD061451.D

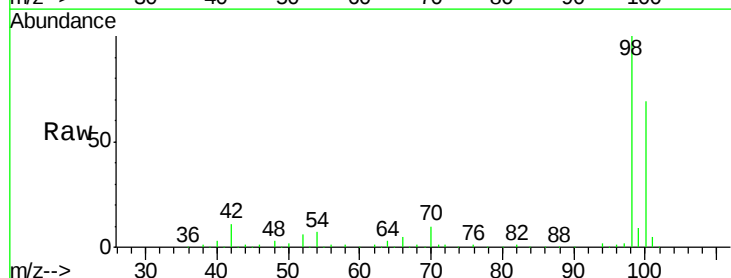
Acq: 31 Mar 2019 17:13

Tgt Ion: 98 Resp: 777327

Ion Ratio Lower Upper

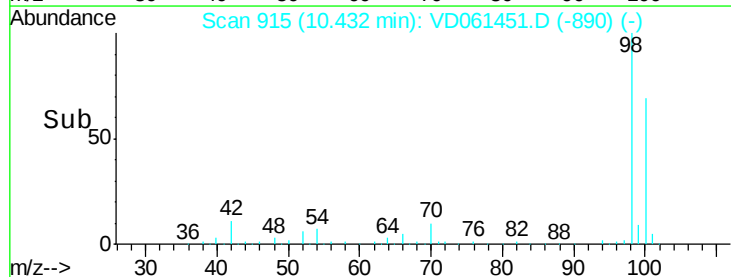
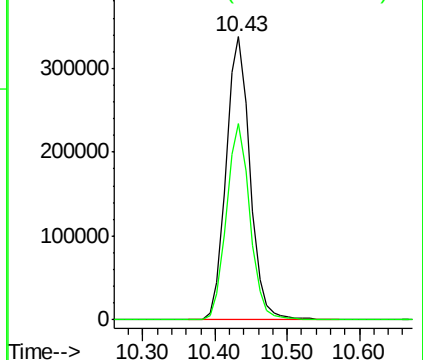
98 100

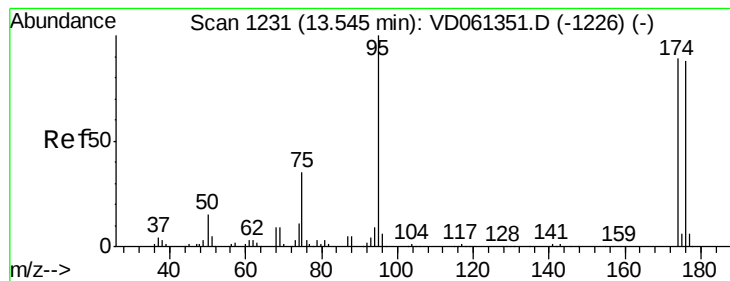
100 69.3 56.2 84.2



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: 13.56 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD061451.D

Acq: 31 Mar 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

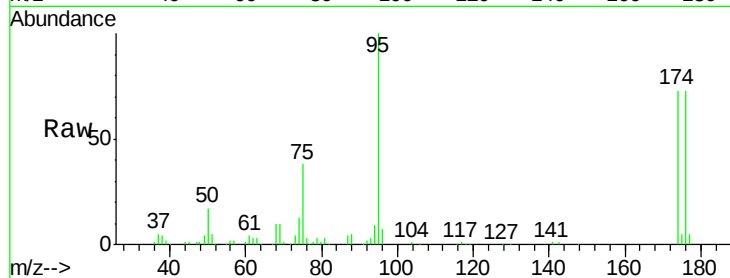
Tot Ion: 95 Resp: 280864

Ion Ratio Lower Upper

95 100

174 73.5 0.0 178.0

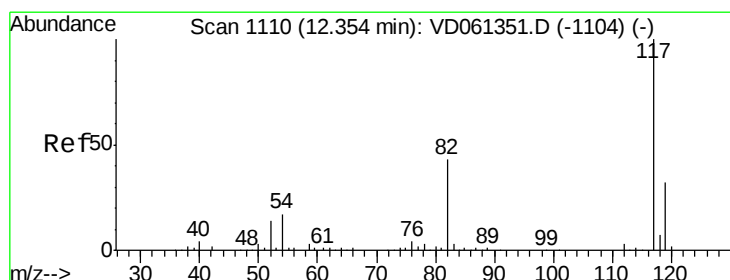
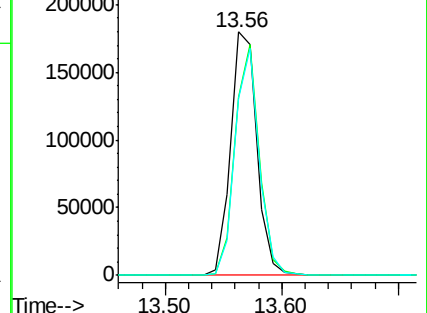
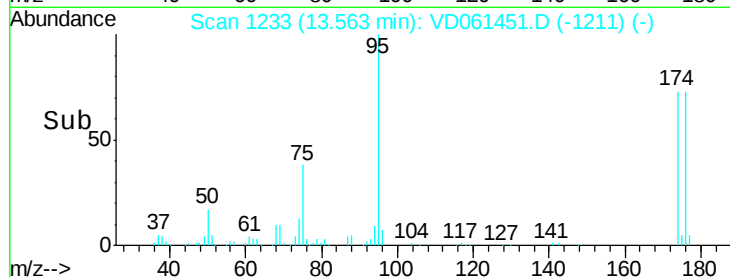
176 72.5 0.0 175.0



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. 0.03 min

Lab File: VD061451.D

Acq: 31 Mar 2019 17:13

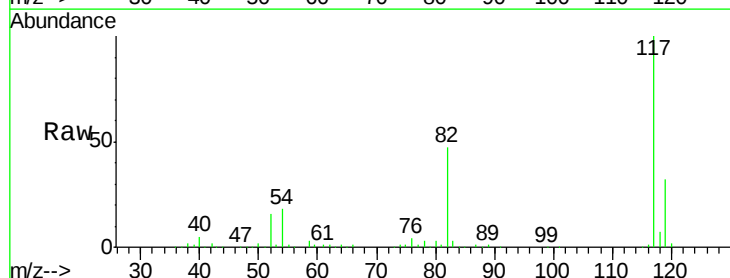
Tgt Ion: 117 Resp: 717862

Ion Ratio Lower Upper

117 100

82 46.5 34.4 51.6

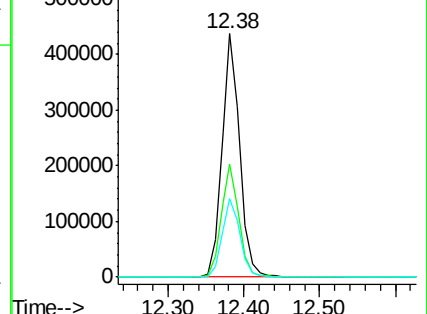
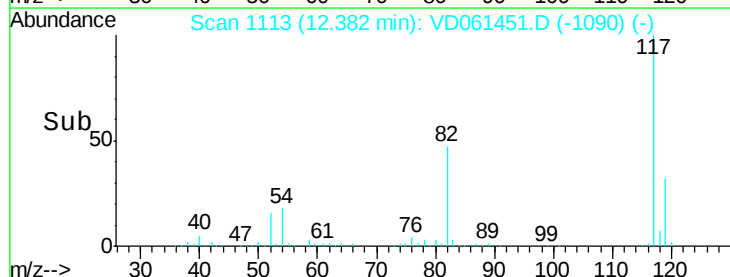
119 32.4 25.8 38.6

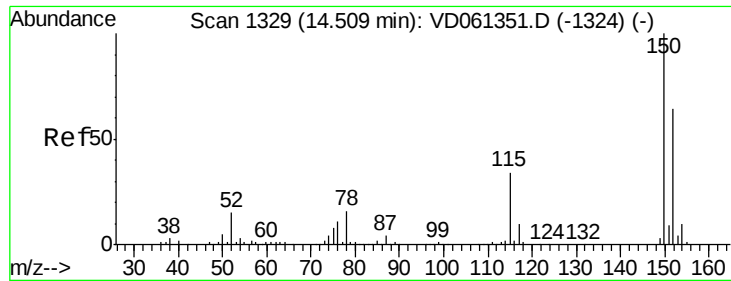


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD061451.D

Acq: 31 Mar 2019 17:13

Instrument :

MSVOA_D

ClientSampled :

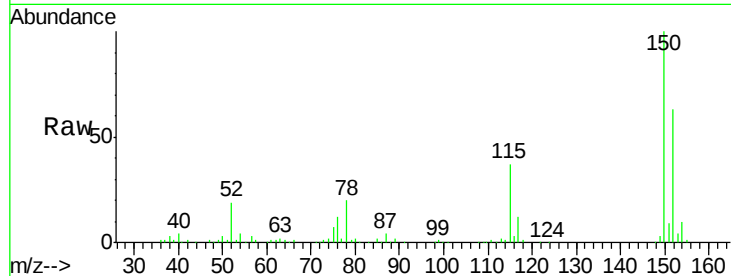
Tot Ion:152 Resp: 267299

Ion Ratio Lower Upper

152 100

115 58.5 26.9 80.6

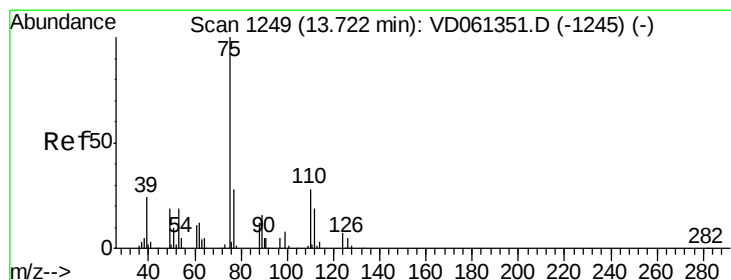
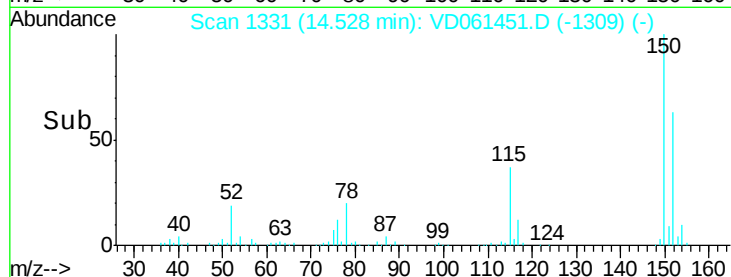
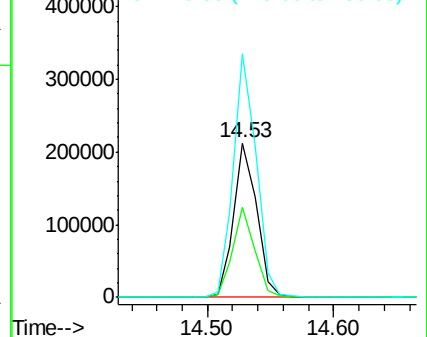
150 158.0 0.0 318.0



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: 26.459 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061451.D

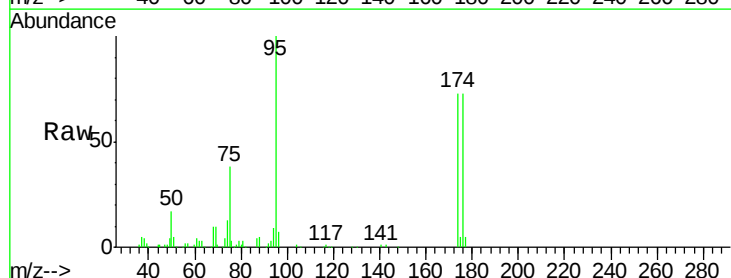
Acq: 31 Mar 2019 17:13

Tgt Ion: 75 Resp: 102164

Ion Ratio Lower Upper

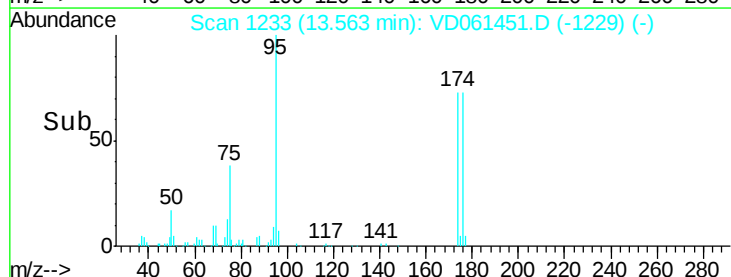
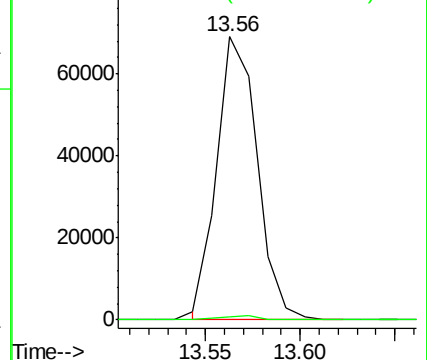
75 100

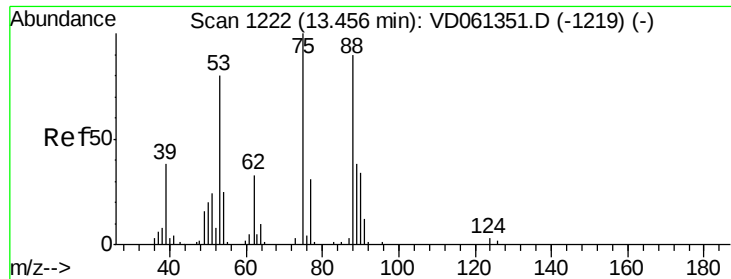
77 1.1 16.2 48.5#



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: 87.721 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.11 min

Lab File: VD061451.D

Acq: 31 Mar 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

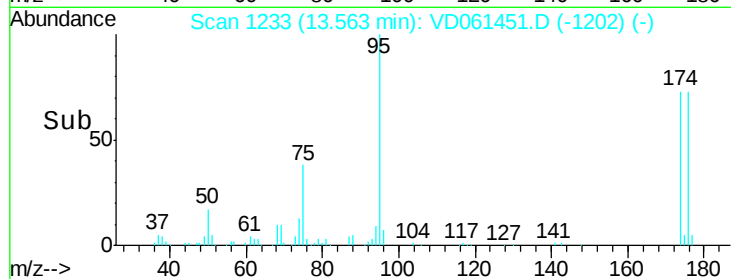
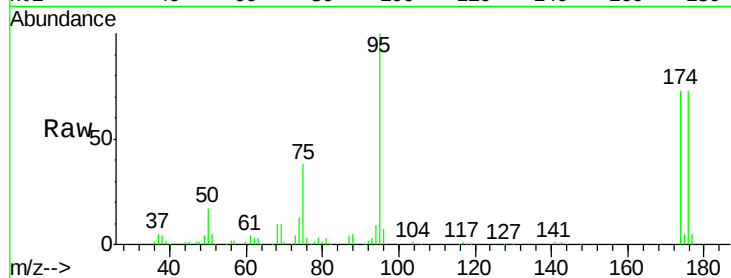
Tot Ion: 75 Resp: 103273

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

