

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033119\
 Data File : VD061455.D
 Acq On : 31 Mar 2019 19:04
 Operator : VA/AP
 Sample : K1692-05RE
 Misc : 5.43g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 01:55:28 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	7.06	168	504278	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	834346	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.38	117	732517	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	358827	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	213477	49.56	ug/l	0.04
Spiked Amount			Recovery	=	99.12%	
35) Dibromofluoromethane	7.07	113	200	0.03	ug/l	0.17
Spiked Amount			Recovery	=	0.06%	
50) Toluene-d8	10.42	98	771097	50.42	ug/l	0.04
Spiked Amount			Recovery	=	100.84%	
62) 4-Bromofluorobenzene	13.56	95	314462	53.62	ug/l	0.02
Spiked Amount			Recovery	=	107.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.05	59	370	1.379	ug/l #	76
16) Acetone	3.23	43	59370	53.613	ug/l	91
20) Methylene Chloride	3.84	84	7409	Below Cal	#	89
30) Chloroform	6.68	83	22940	2.365	ug/l	99
31) Cyclohexane	7.06	56	8200	1.105	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	38251	5.253	ug/l #	46
38) Carbon Tetrachloride	7.06	117	47798	5.712	ug/l #	14
51) 4-Methyl-2-Pentanone	10.41	43	3051	1.107	ug/l #	1
52) Toluene	10.53	92	30138	2.703	ug/l	97
76) 1,2,3-Trichloropropane	13.56	75	111738	21.557	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	115790	73.266	ug/l #	18

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.04 min

Lab File: VD061455.D

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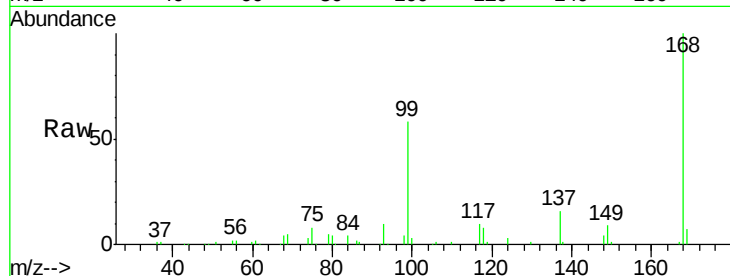
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 504278

Ion Ratio Lower Upper

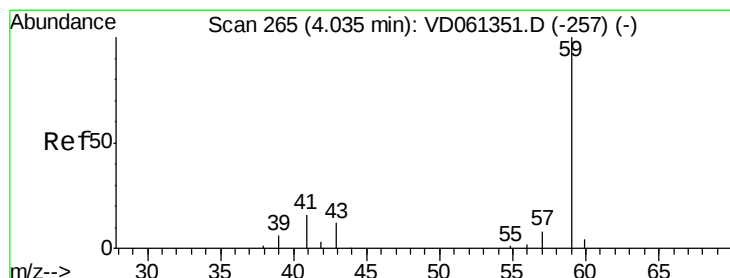
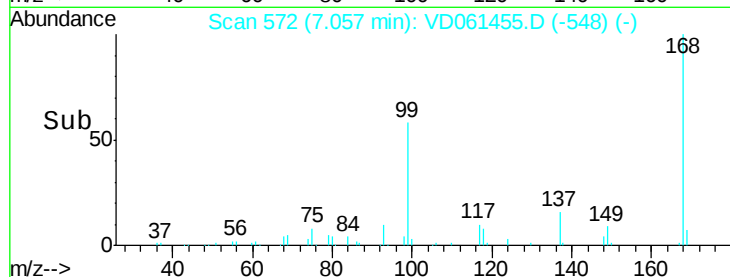
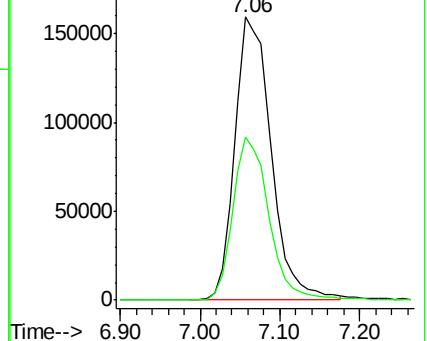
168 100

99 57.6 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: 1.379 ug/l

RT: 4.05 min Scan# 267

Delta R.T. 0.02 min

Lab File: VD061455.D

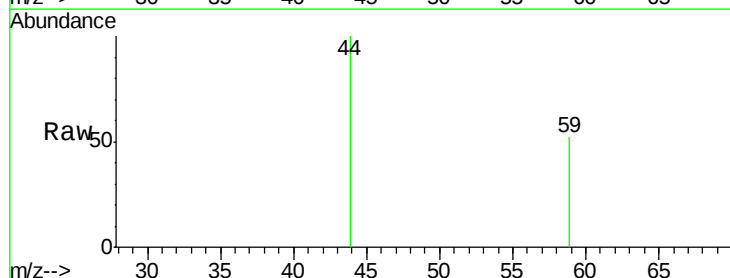
Acq: 31 Mar 2019 19:04

Tgt Ion: 59 Resp: 370

Ion Ratio Lower Upper

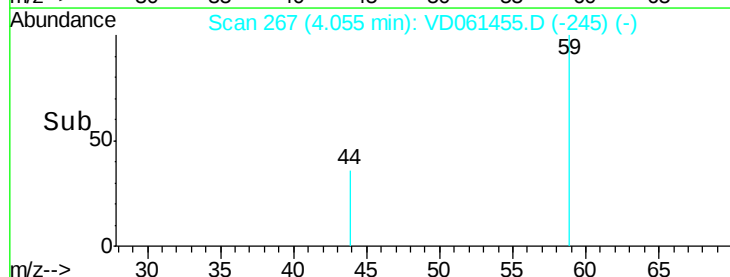
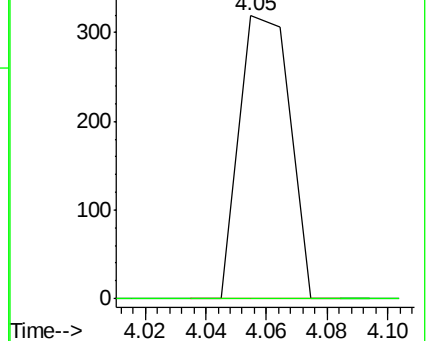
59 100

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

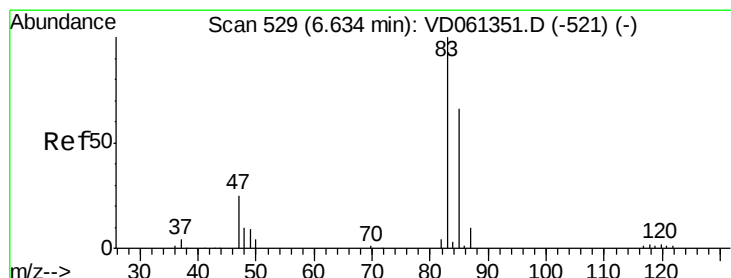
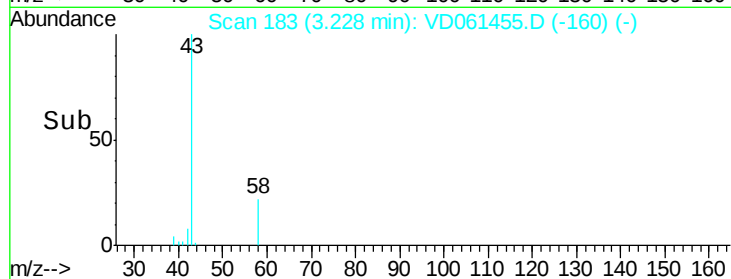
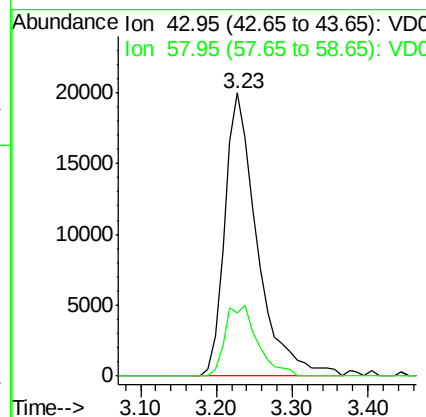
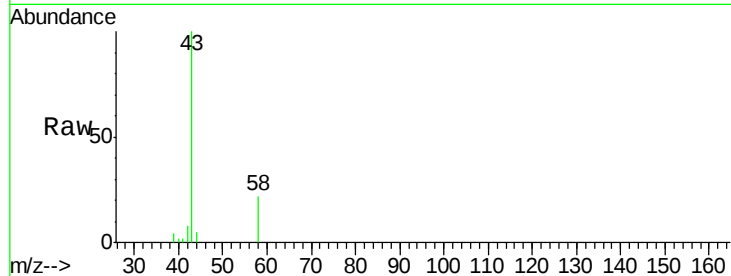




#16
Acetone
Concen: 53.613 ug/l
RT: 3.23 min Scan# 183
Delta R.T. 0.03 min
Lab File: VD061455.D
Acq: 31 Mar 2019 19:04

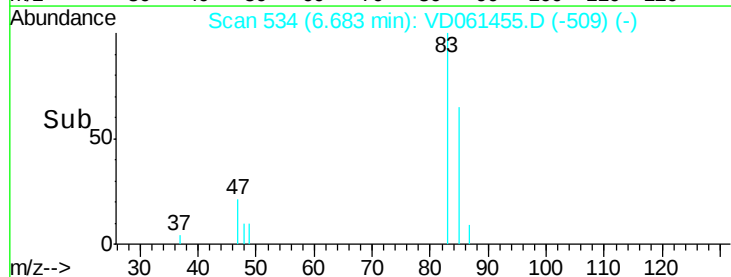
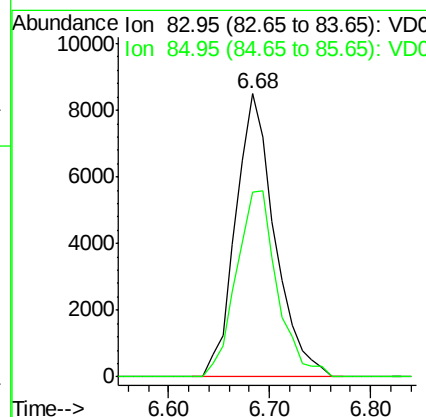
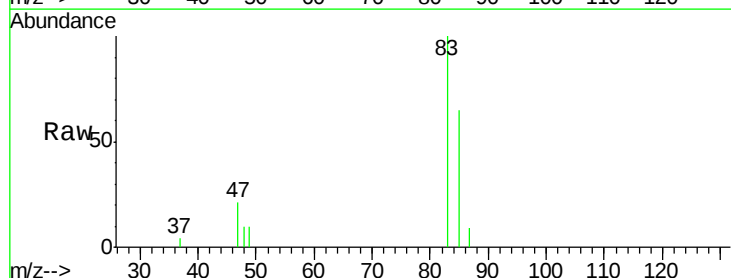
Instrument :
MSVOA_D
ClientSampled :

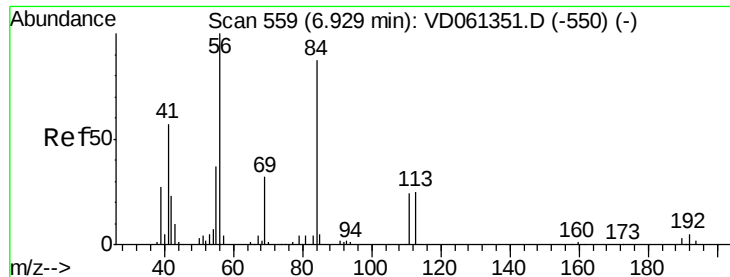
Tot Ion: 43 Resp: 59370
Ion Ratio Lower Upper
43 100
58 22.3 21.5 32.3



#30
Chloroform
Concen: 2.365 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.05 min
Lab File: VD061455.D
Acq: 31 Mar 2019 19:04

Tgt Ion: 83 Resp: 22940
Ion Ratio Lower Upper
83 100
85 65.2 53.0 79.4

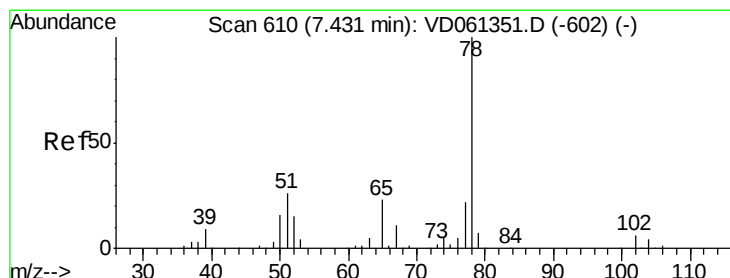
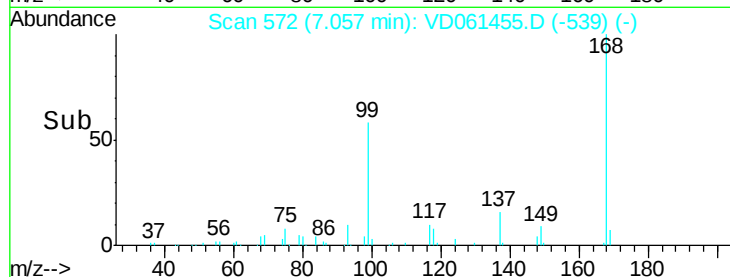
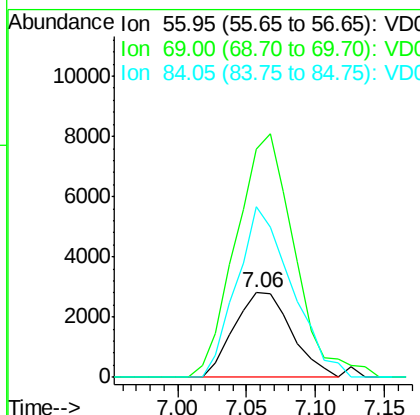
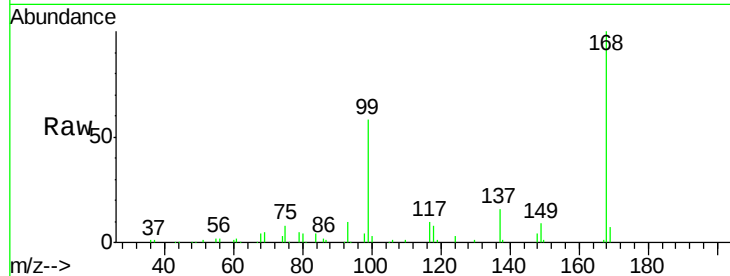




#31
Cyclohexane
Concen: 1.105 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.13 min
Lab File: VD061455.D
Acq: 31 Mar 2019 19:04

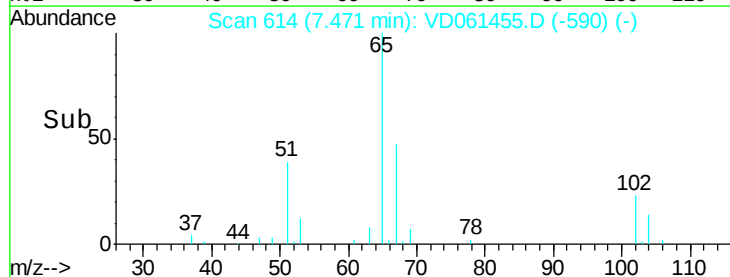
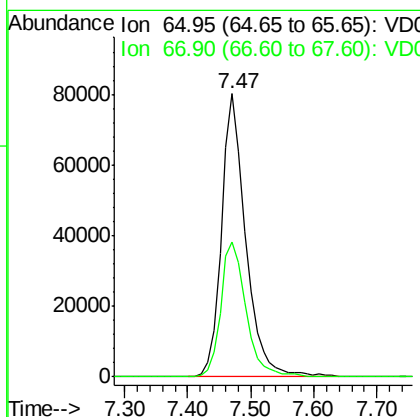
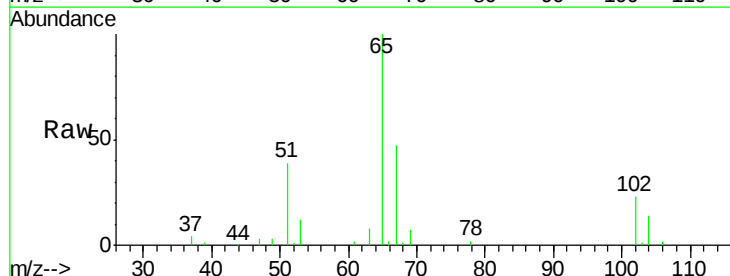
Instrument :
MSVOA_D
ClientSampled :

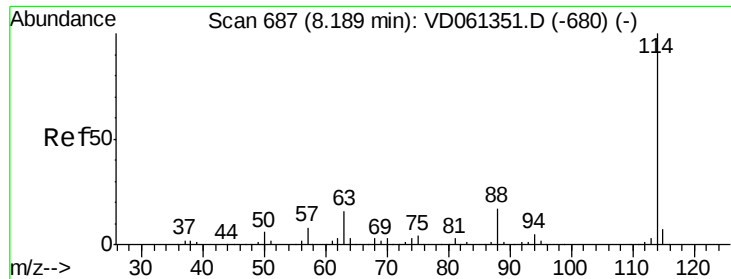
Tot Ion: 56 Resp: 8200
Ion Ratio Lower Upper
56 100
69 269.2 25.7 38.5#
84 201.8 70.6 105.8#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.04 min
Lab File: VD061455.D
Acq: 31 Mar 2019 19:04

Tgt Ion: 65 Resp: 213477
Ion Ratio Lower Upper
65 100
67 47.5 0.0 99.8

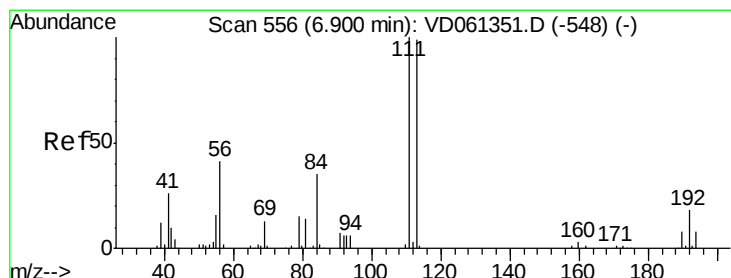
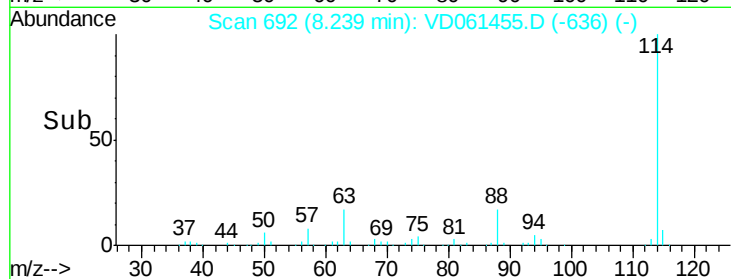
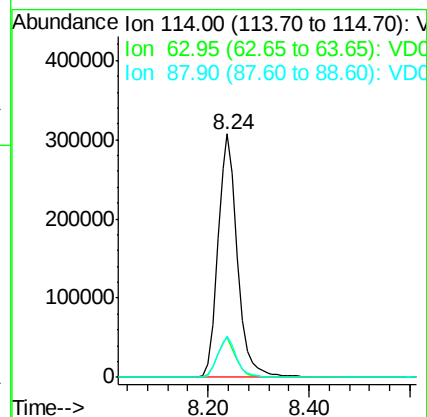
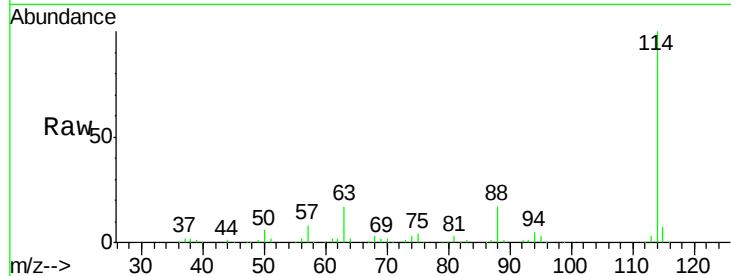




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.05 min
 Lab File: VD061455.D
 Acq: 31 Mar 2019 19:04

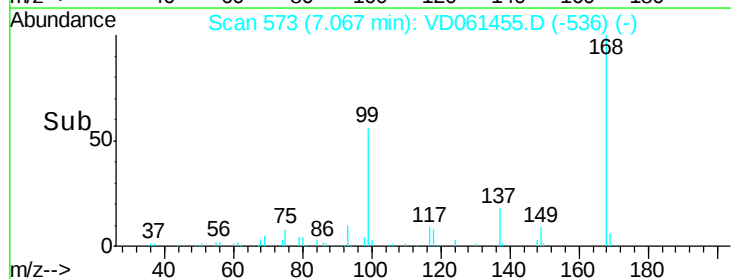
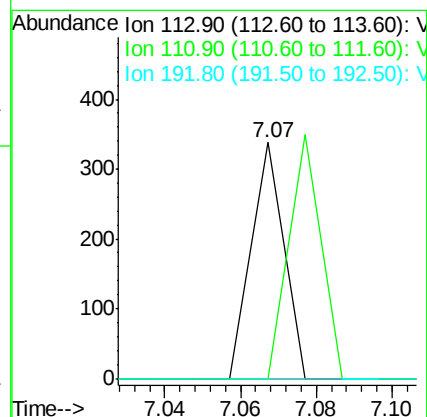
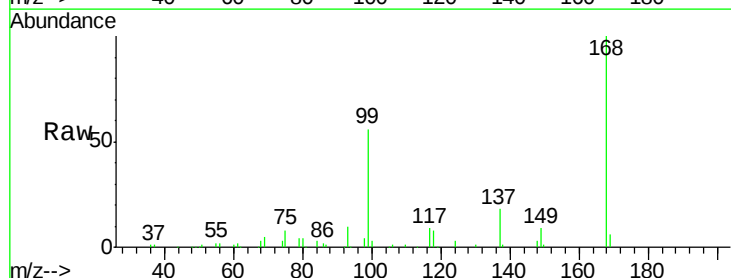
Instrument :
 MSVOA_D
 ClientSampleId :

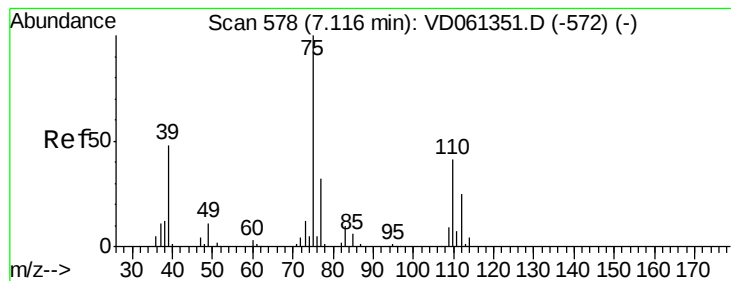
Tot Ion:114 Resp: 834346
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 31.6
 88 16.9 0.0 33.4



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. 0.17 min
 Lab File: VD061455.D
 Acq: 31 Mar 2019 19:04

Tgt Ion:113 Resp: 200
 Ion Ratio Lower Upper
 113 100
 111 0.0 81.0 121.6#
 192 0.0 14.4 21.6#





#36

1,1-Dichloropropene

Concen: 5.253 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD061455.D

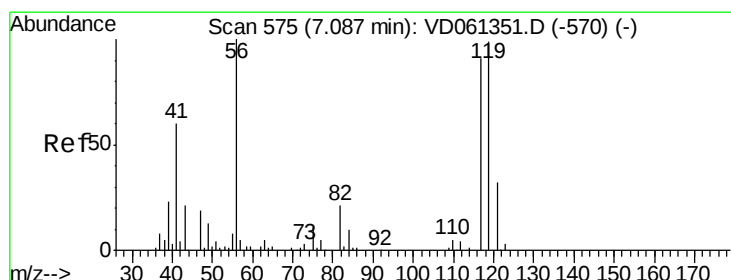
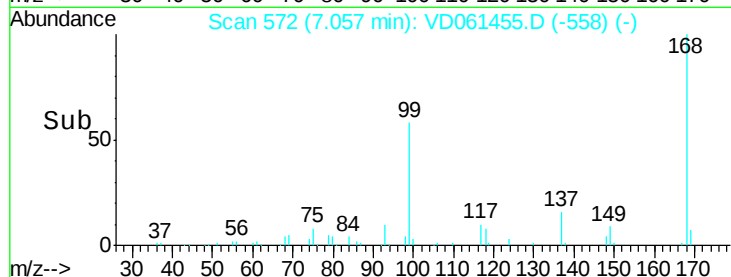
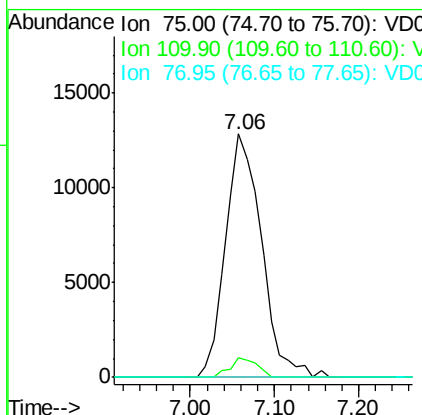
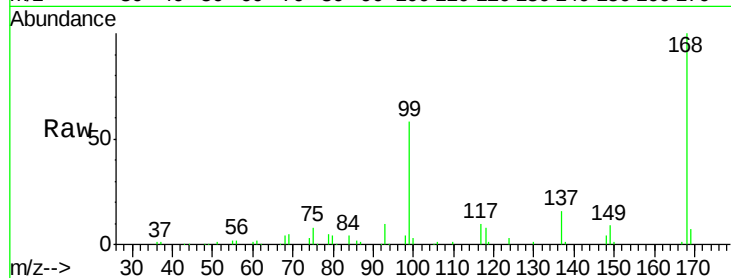
Acq: 31 Mar 2019 19:04

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:	75	Resp:	38251
Ion	Ratio	Lower	Upper
75	100		
110	8.3	20.4	61.3#
77	0.0	24.9	37.3#



#38

Carbon Tetrachloride

Concen: 5.712 ug/l

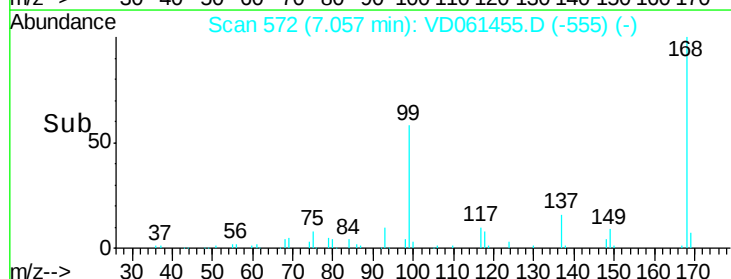
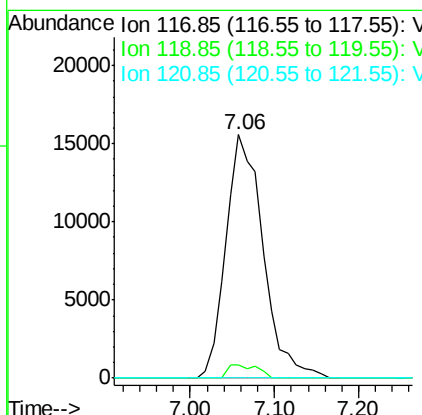
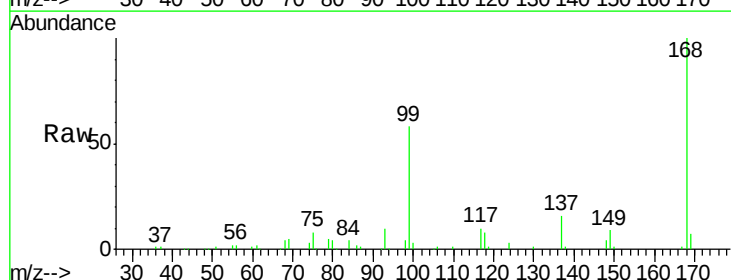
RT: 7.06 min Scan# 572

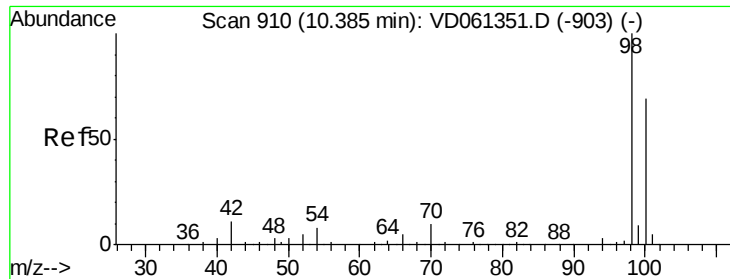
Delta R.T. -0.03 min

Lab File: VD061455.D

Acq: 31 Mar 2019 19:04

Tgt Ion:	117	Resp:	47798
Ion	Ratio	Lower	Upper
117	100		
119	5.3	80.1	120.1#
121	0.0	25.6	38.4#

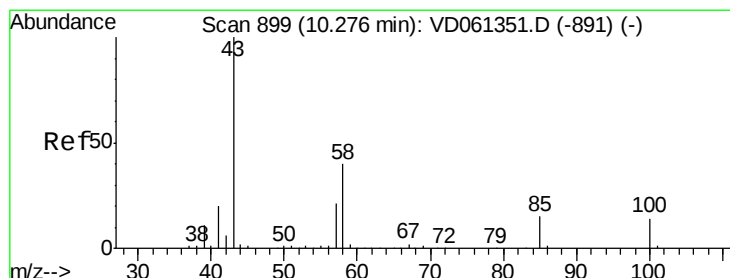
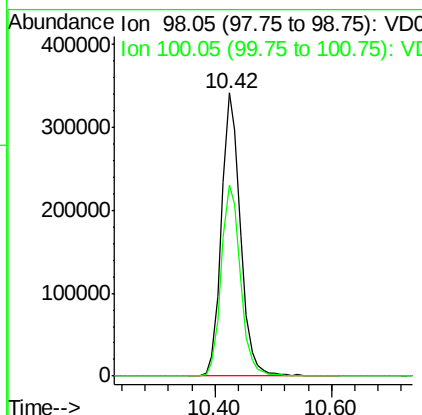
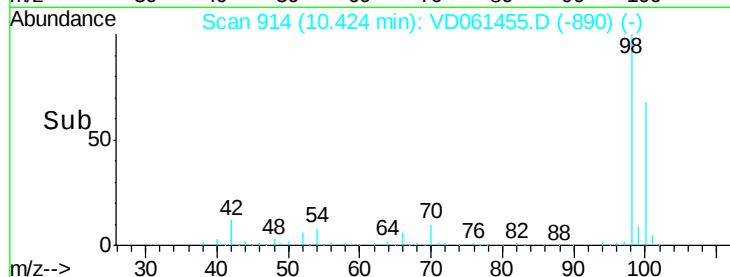
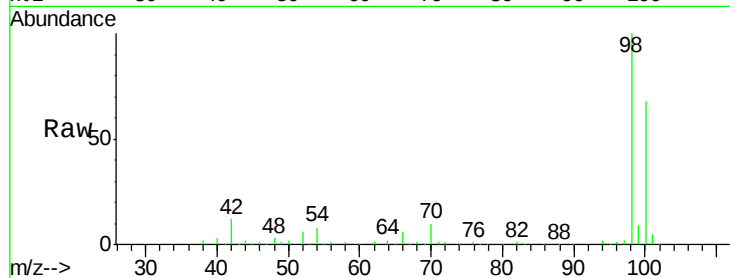




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.04 min
Lab File: VD061455.D
Acq: 31 Mar 2019 19:04

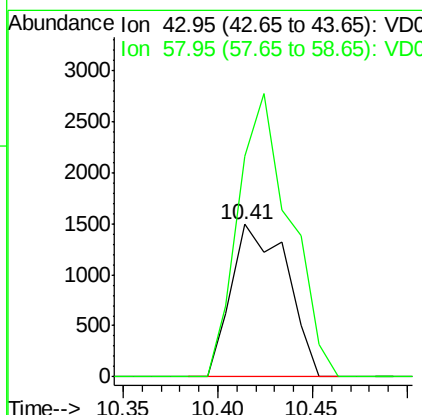
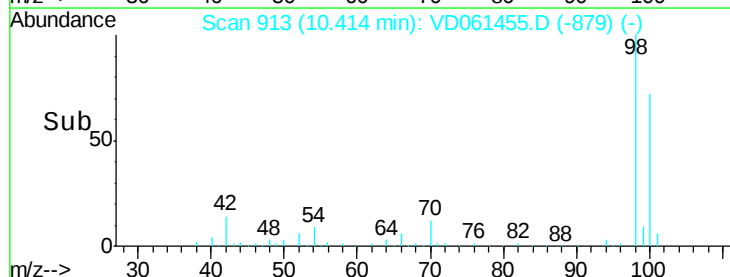
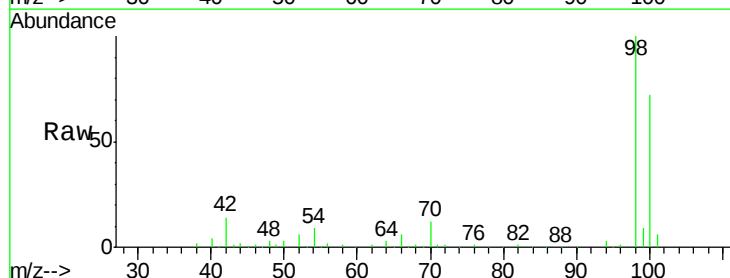
Instrument :
MSVOA_D
ClientSampleId :

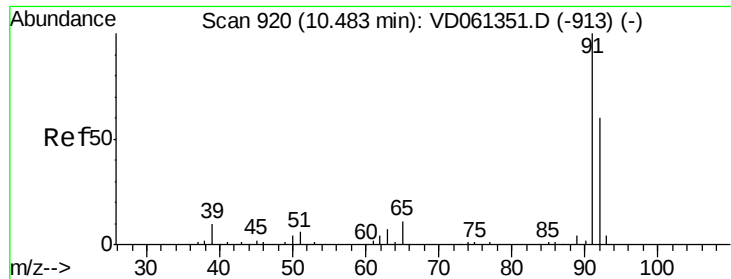
Tot Ion: 98 Resp: 771097
Ion Ratio Lower Upper
98 100
100 67.7 56.2 84.2



#51
4-Methyl-2-Pentanone
Concen: 1.107 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.14 min
Lab File: VD061455.D
Acq: 31 Mar 2019 19:04

Tgt Ion: 43 Resp: 3051
Ion Ratio Lower Upper
43 100
58 144.3 31.8 47.8#





#52

Toluene

Concen: 2.703 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.05 min

Lab File: VD061455.D

Acq: 31 Mar 2019 19:04

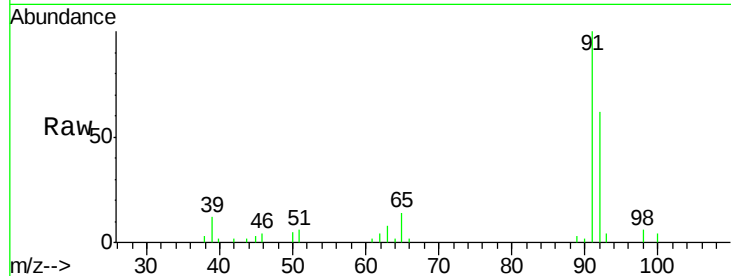
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 92 Resp: 30138

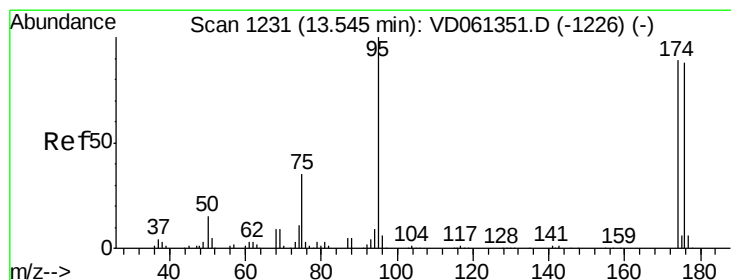
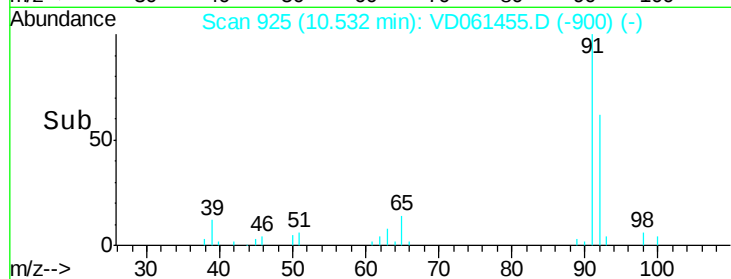
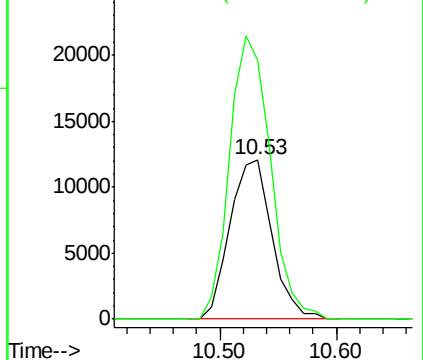
Ion Ratio Lower Upper

92 100

91 162.2 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD061455.D

Acq: 31 Mar 2019 19:04

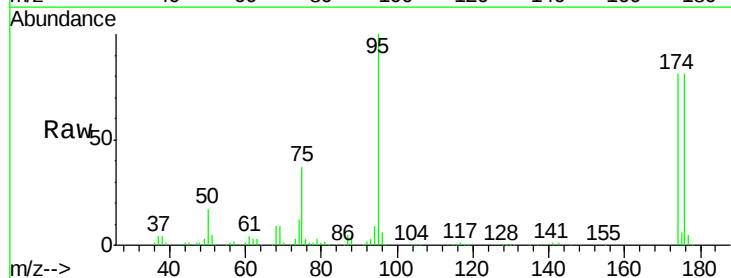
Tgt Ion: 95 Resp: 314462

Ion Ratio Lower Upper

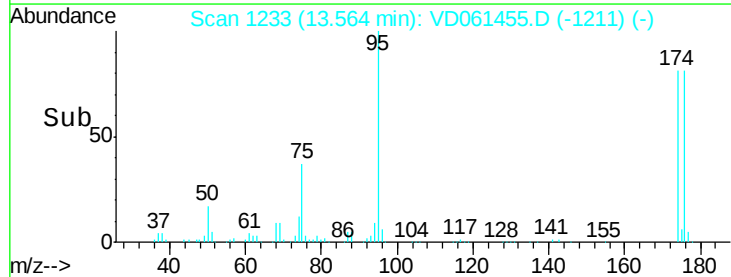
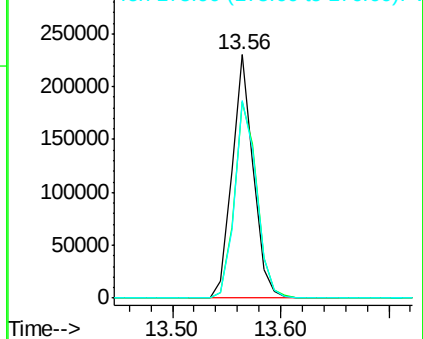
95 100

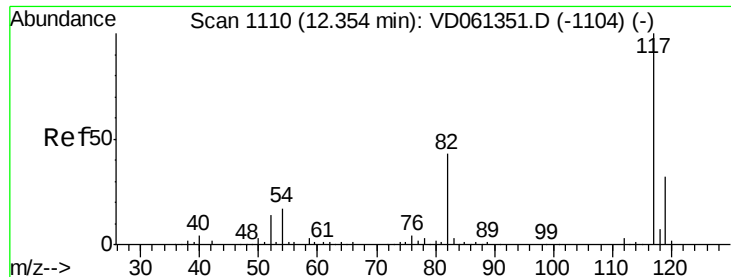
174 80.7 0.0 178.0

176 81.0 0.0 175.0



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

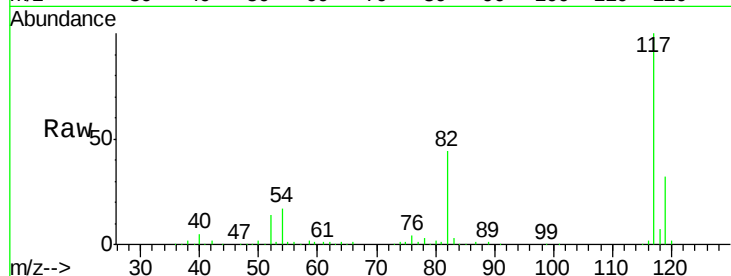




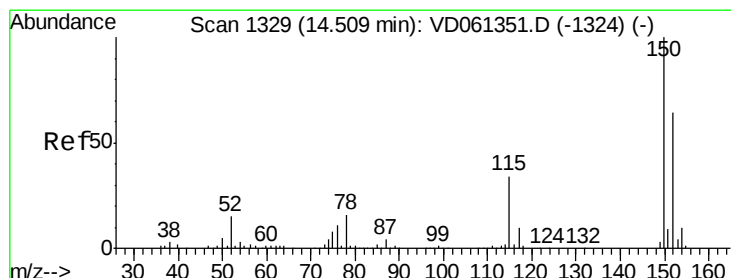
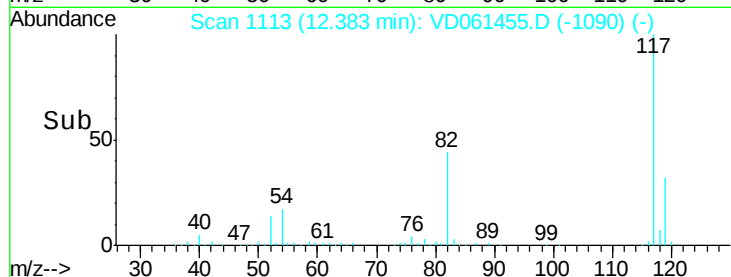
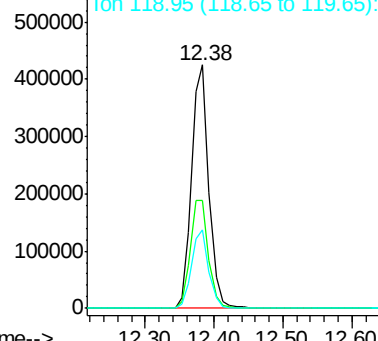
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.03 min
Lab File: VD061455.D
Acq: 31 Mar 2019 19:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 732517
Ion Ratio Lower Upper
117 100
82 44.3 34.4 51.6
119 32.2 25.8 38.6

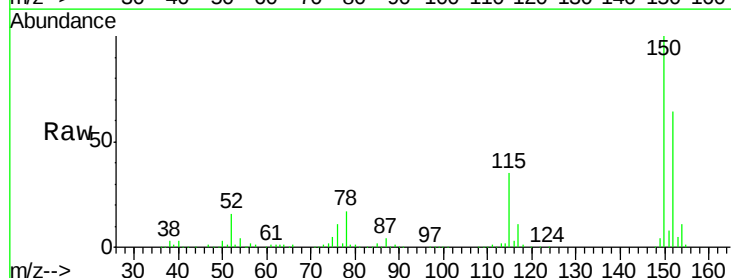


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

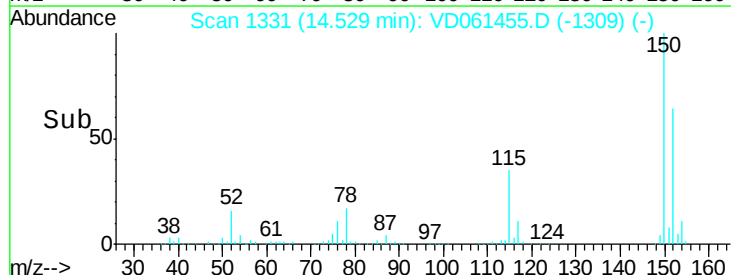
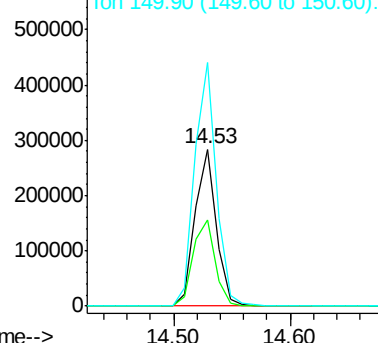


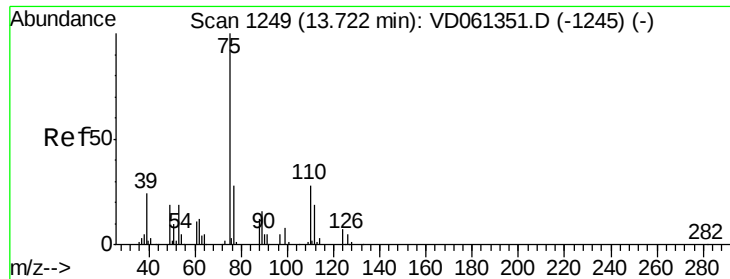
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.02 min
Lab File: VD061455.D
Acq: 31 Mar 2019 19:04

Tgt Ion:152 Resp: 358827
Ion Ratio Lower Upper
152 100
115 54.6 26.9 80.6
150 155.2 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

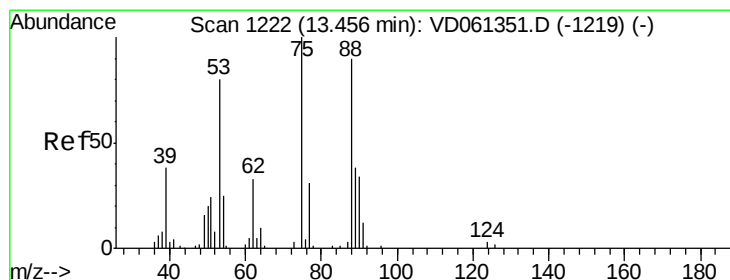
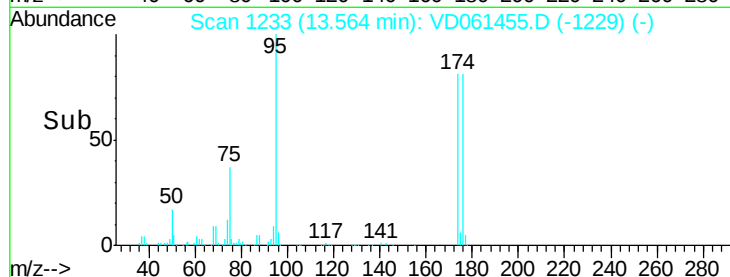
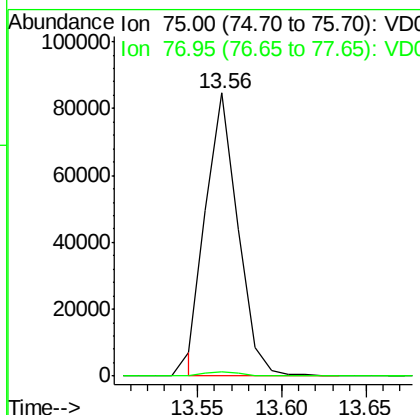
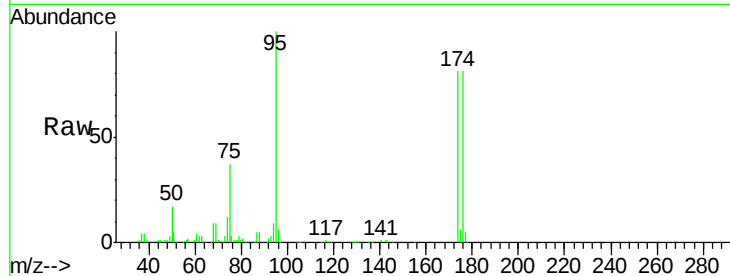




#76
 1,2,3-Trichloropropane
 Concen: 21.557 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.16 min
 Lab File: VD061455.D
 Acq: 31 Mar 2019 19:04

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 111738
 Ion Ratio Lower Upper
 75 100
 77 1.4 16.2 48.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.266 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.11 min
 Lab File: VD061455.D
 Acq: 31 Mar 2019 19:04

Tgt Ion: 75 Resp: 115790
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.8#
 89 0.0 30.5 45.7#

