

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
 Data File : VD060931.D
 Acq On : 4 Mar 2019 18:45
 Operator : VA/AP
 Sample : K1714-04
 Misc : 6.75g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-A-8-11

Quant Time: Mar 05 01:34:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 01:28:28 2019
 Response via : Initial Calibration

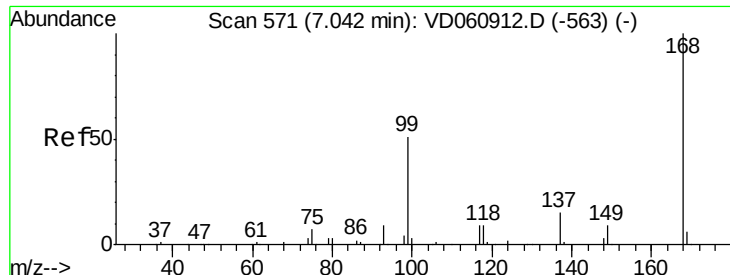
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	6862	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	16200	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	14089	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	6469	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	4166	73.44	ug/l	0.02
Spiked Amount 50.000			Recovery	=	146.88%	
35) Dibromofluoromethane	6.94	113	4811	37.04	ug/l	0.03
Spiked Amount 50.000			Recovery	=	74.08%	
50) Toluene-d8	10.42	98	12620	39.05	ug/l	0.02
Spiked Amount 50.000			Recovery	=	78.10%	
62) 4-Bromofluorobenzene	13.56	95	5120	41.92	ug/l	0.01
Spiked Amount 50.000			Recovery	=	83.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	846	84.019	ug/l #	13
10) Methyl Iodide	3.33	142	1787	16.849	ug/l #	40
16) Acetone	3.22	43	1046	55.225	ug/l #	46
20) Methylene Chloride	3.82	84	199	Below Cal	#	5
25) 2-Butanone	6.12	43	251	10.683	ug/l #	55
26) 2,2-Dichloropropane	6.12	77	486	4.499	ug/l #	48
37) Ethyl Acetate	6.15	43	403	5.263	ug/l #	68
76) 1,2,3-Trichloropropane	13.56	75	1338	12.765	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.56	75	1777	57.285	ug/l #	20
95) Naphthalene	16.13	128	178	1.024	ug/l #	69

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

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ALS Vial : 16 Sample Multiplier: 1



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD060931.D

Acq: 4 Mar 2019 18:45

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MSVOA_D

ClientSampleId :

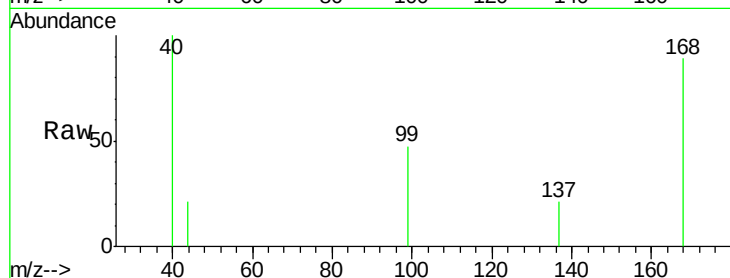
SB-A-8-11

Tot Ion:168 Resp: 6862

Ion Ratio Lower Upper

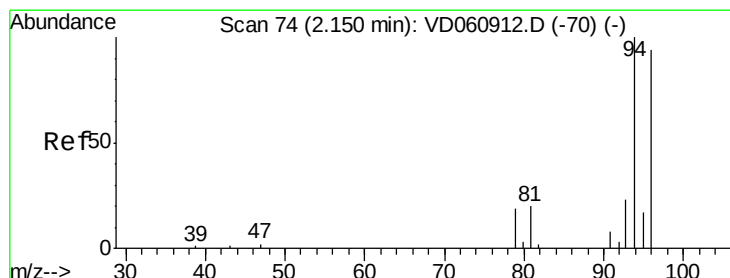
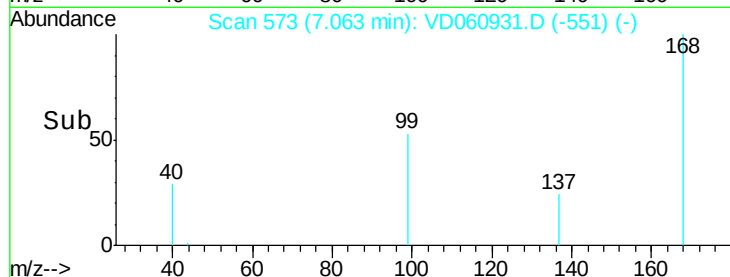
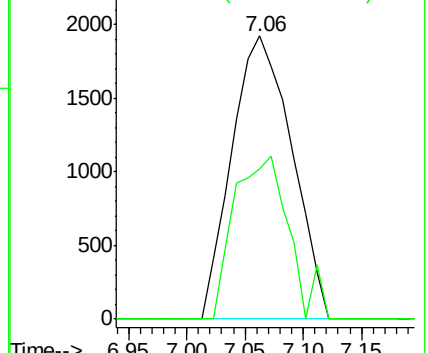
168 100

99 53.1 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 84.019 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.02 min

Lab File: VD060931.D

Acq: 4 Mar 2019 18:45

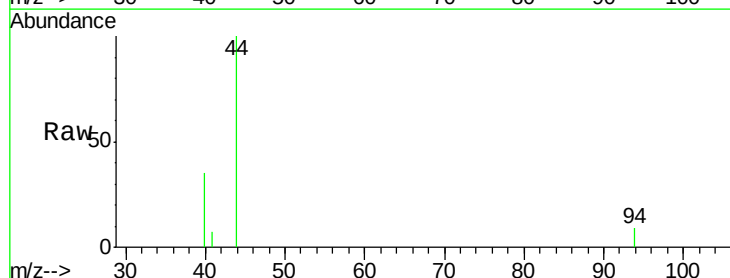
Tgt Ion: 94 Resp: 846

Ion Ratio Lower Upper

94 100

96 0.0 75.1 112.7#

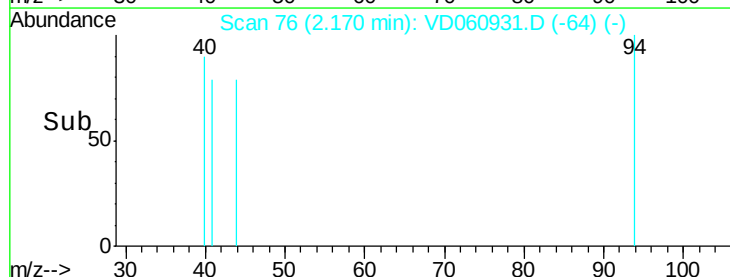
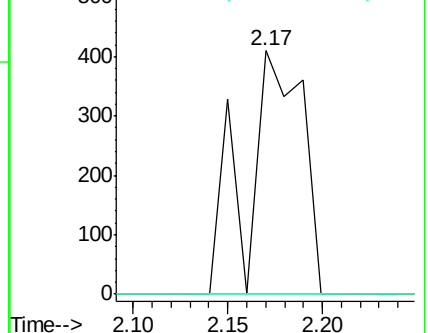
93 0.0 18.6 28.0#

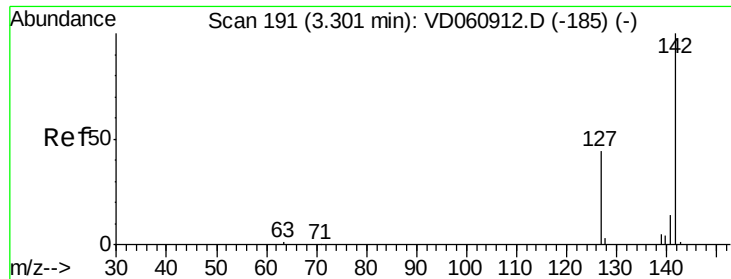


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

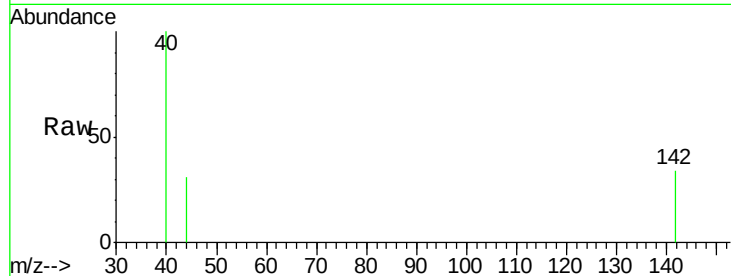




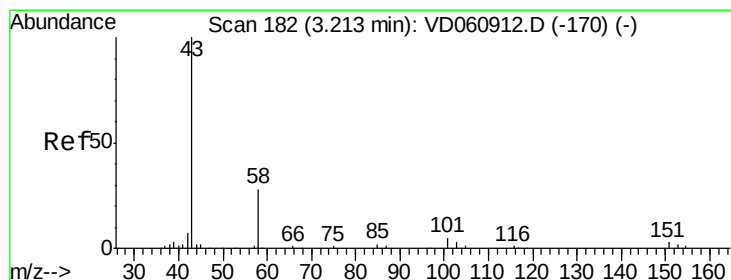
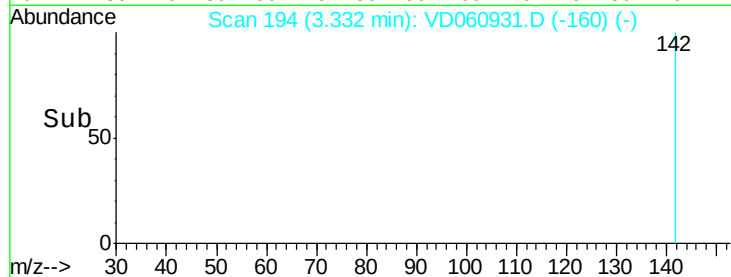
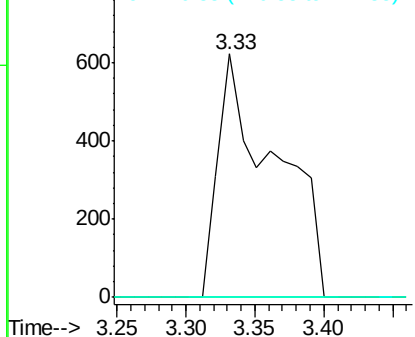
#10
Methvl Iodide
Concen: 16.849 ug/l
RT: 3.33 min Scan# 194
Delta R.T. 0.03 min
Lab File: VD060931.D
Acq: 4 Mar 2019 18:45

Instrument :
MSVOA_D
ClientSampleId :
SB-A-8-11

Tot Ion:142 Resp: 1787
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.6#
141 0.0 11.0 16.4#

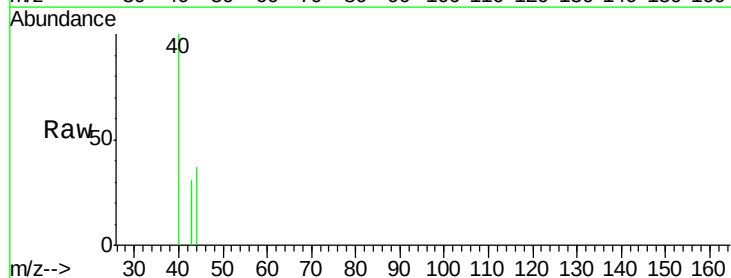


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

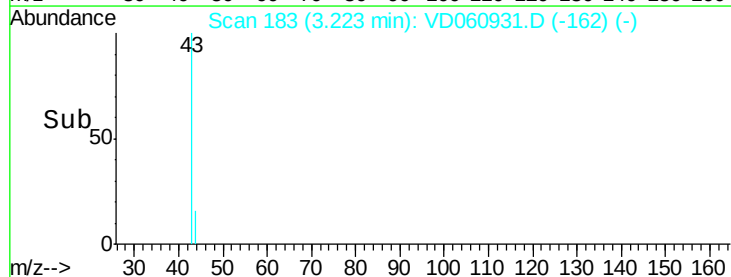
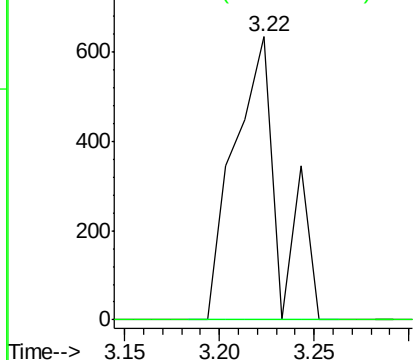


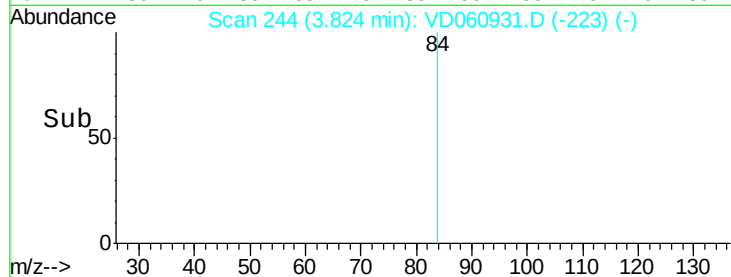
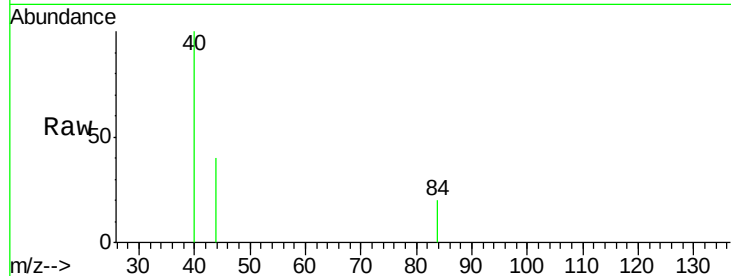
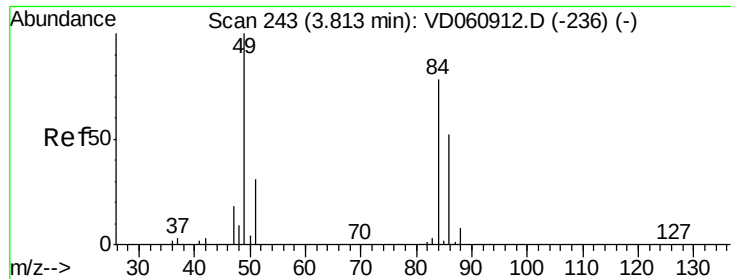
#16
Acetone
Concen: 55.225 ug/l
RT: 3.22 min Scan# 183
Delta R.T. 0.01 min
Lab File: VD060931.D
Acq: 4 Mar 2019 18:45

Tgt Ion: 43 Resp: 1046
Ion Ratio Lower Upper
43 100
58 0.0 22.8 34.2#



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

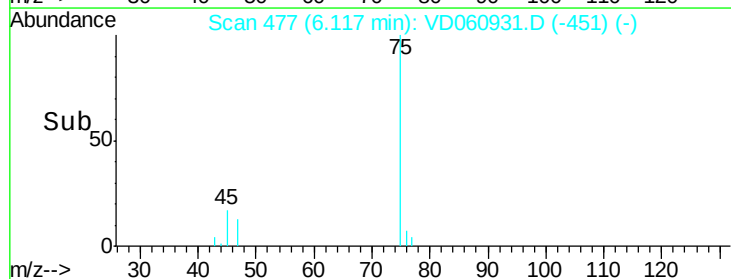
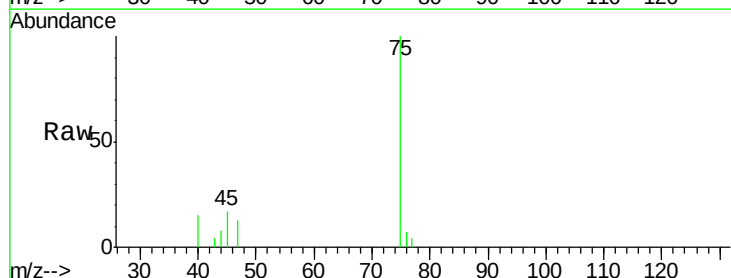
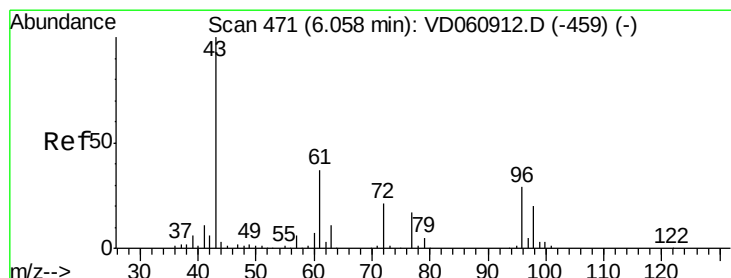
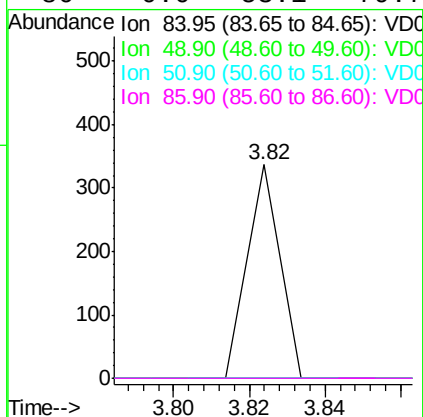




#20
Methylene Chloride
Concen: Below Cal
RT: 3.82 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD060931.D
Acq: 4 Mar 2019 18:45

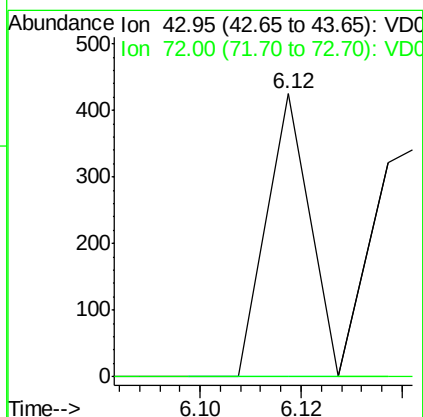
Instrument :
MSVOA_D
ClientSampleId :
SB-A-8-11

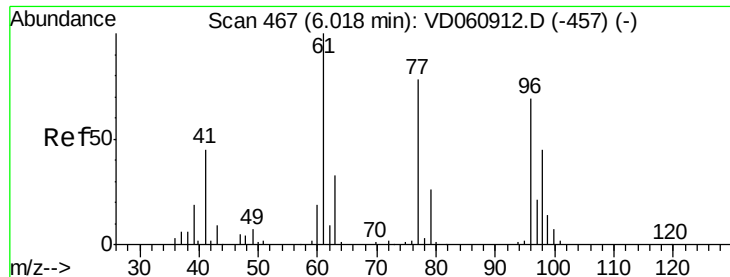
Tot Ion: 84 Resp: 199
Ion Ratio Lower Upper
84 100
49 0.0 102.4 153.6#
51 0.0 31.9 47.9#
86 0.0 53.1 79.7#



#25
2-Butanone
Concen: 10.683 ug/l
RT: 6.12 min Scan# 477
Delta R.T. 0.06 min
Lab File: VD060931.D
Acq: 4 Mar 2019 18:45

Tgt Ion: 43 Resp: 251
Ion Ratio Lower Upper
43 100
72 0.0 17.0 25.4#

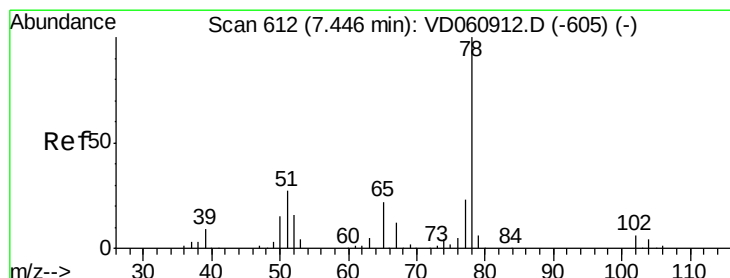
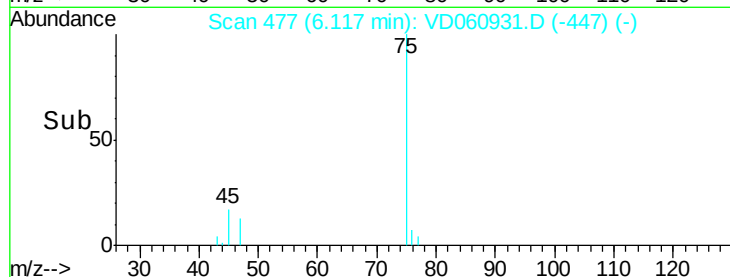
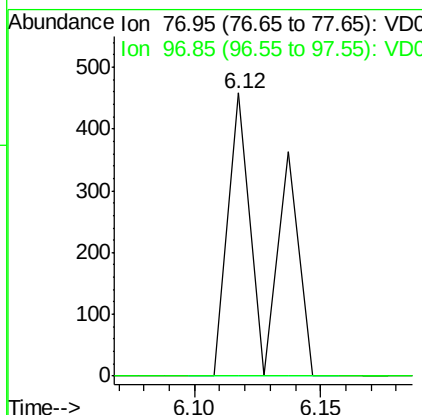
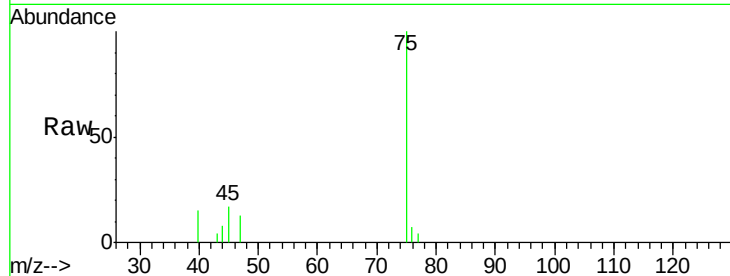




#26
 2,2-Dichloropropane
 Concen: 4.499 ug/l
 RT: 6.12 min Scan# 477
 Delta R.T. 0.10 min
 Lab File: VD060931.D
 Acq: 4 Mar 2019 18:45

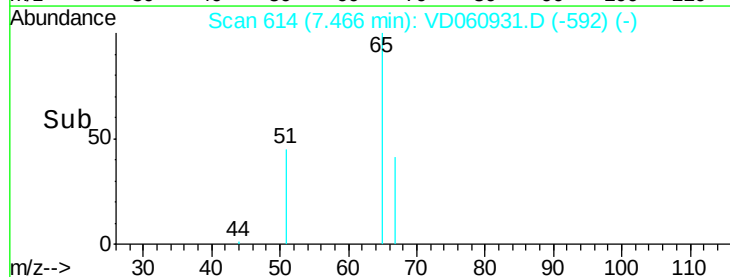
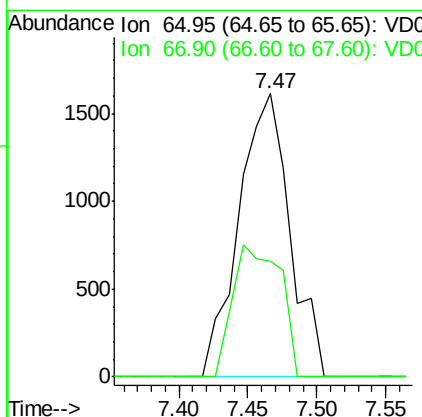
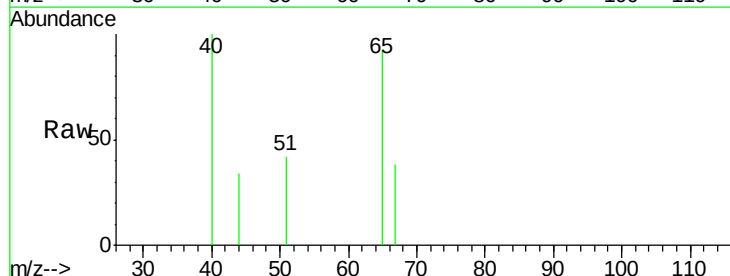
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-A-8-11

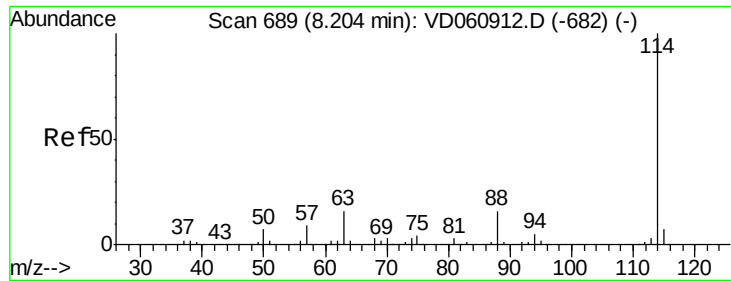
Tot Ion: 77 Resp: 486
 Ion Ratio Lower Upper
 77 100
 97 0.0 13.5 40.4#



#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.02 min
 Lab File: VD060931.D
 Acq: 4 Mar 2019 18:45

Tgt Ion: 65 Resp: 4166
 Ion Ratio Lower Upper
 65 100
 67 40.9 0.0 109.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.03 min

Lab File: VD060931.D

Acq: 4 Mar 2019 18:45

Instrument :

MSVOA_D

ClientSampleId :

SB-A-8-11

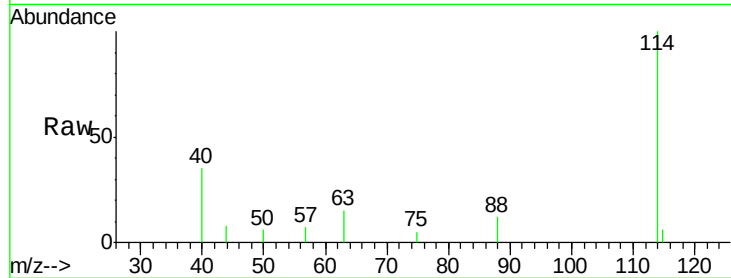
Tot Ion:114 Resp: 16200

Ion Ratio Lower Upper

114 100

63 14.5 0.0 32.0

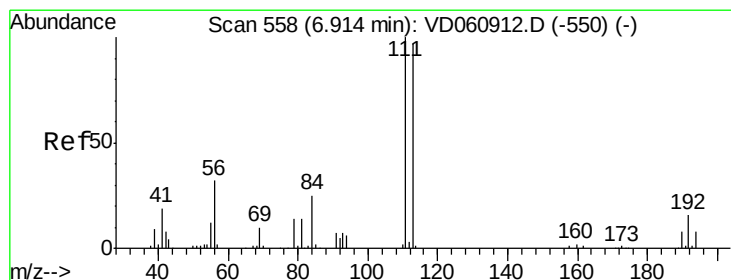
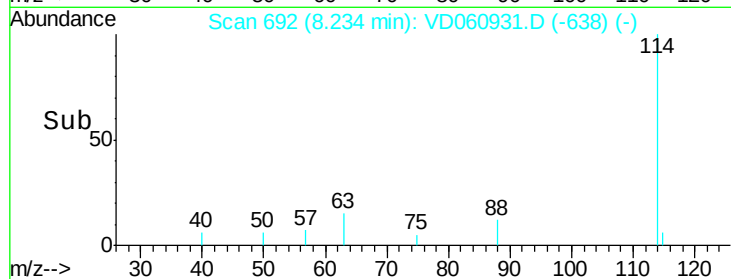
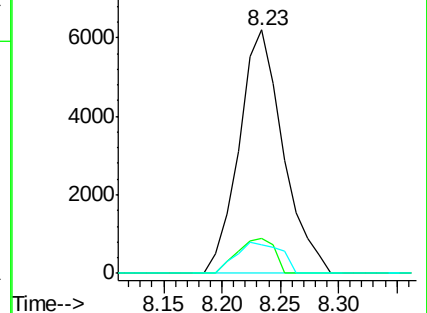
88 11.8 0.0 32.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.03 min

Lab File: VD060931.D

Acq: 4 Mar 2019 18:45

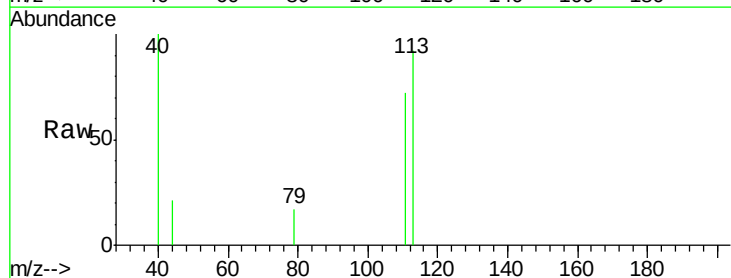
Tgt Ion:113 Resp: 4811

Ion Ratio Lower Upper

113 100

111 78.5 82.6 124.0#

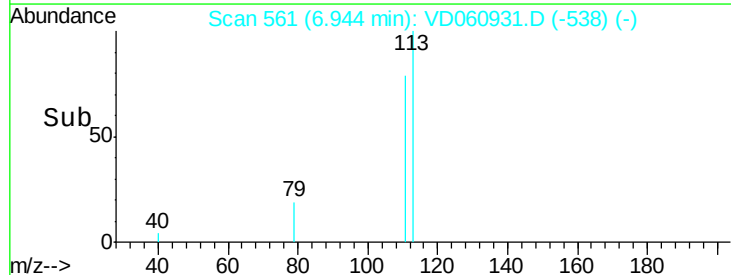
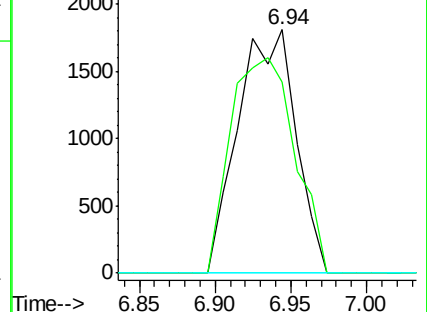
192 0.0 13.4 20.2#

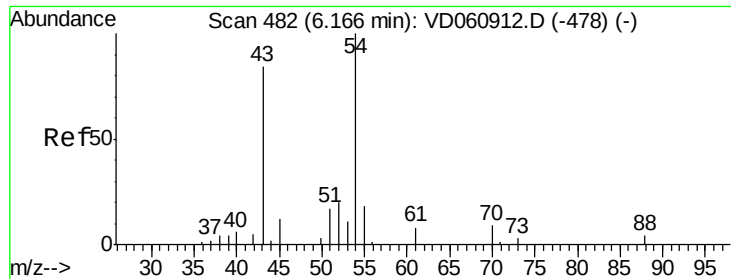


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#37

Ethyl Acetate

Concen: 5.263 ug/l

RT: 6.15 min Scan# 480

Delta R.T. -0.02 min

Lab File: VD060931.D

Acq: 4 Mar 2019 18:45

Instrument :

MSVOA_D

ClientSampleId :

SB-A-8-11

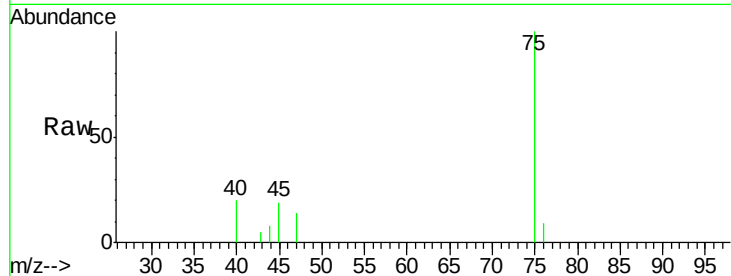
Tot Ion: 43 Resp: 403

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

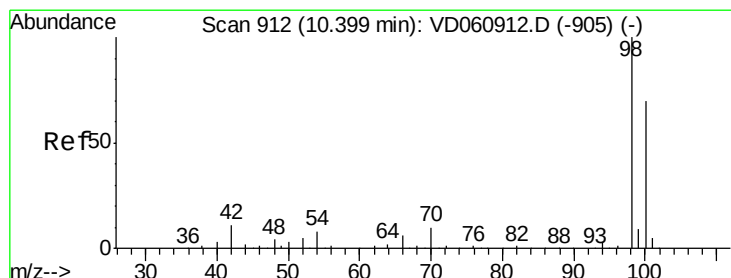
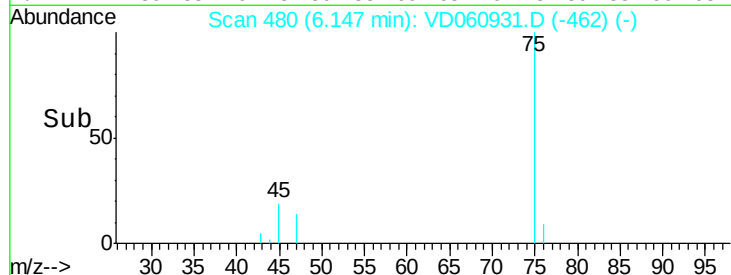
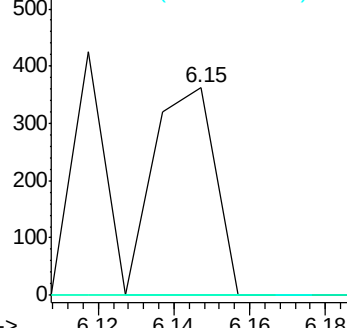
70 0.0 7.3 10.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD060931.D

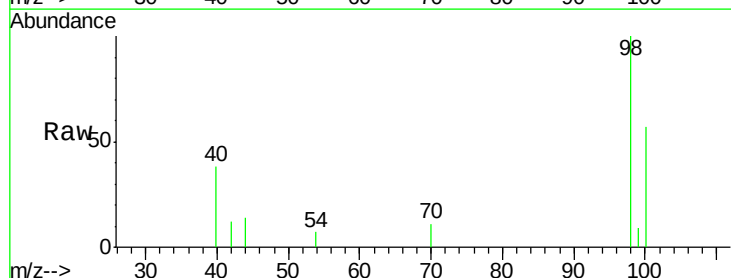
Acq: 4 Mar 2019 18:45

Tgt Ion: 98 Resp: 12620

Ion Ratio Lower Upper

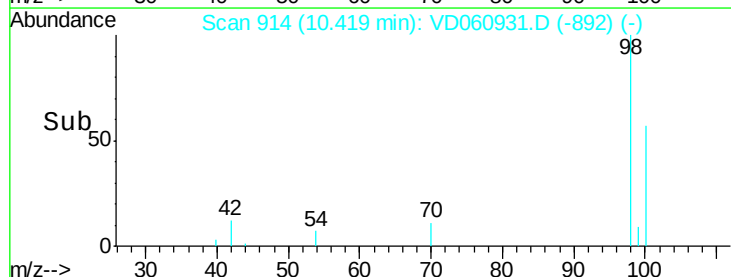
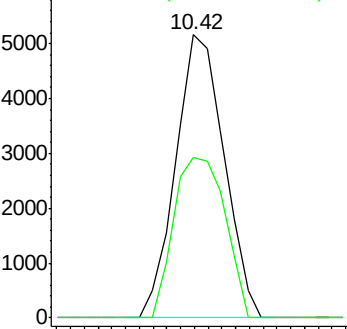
98 100

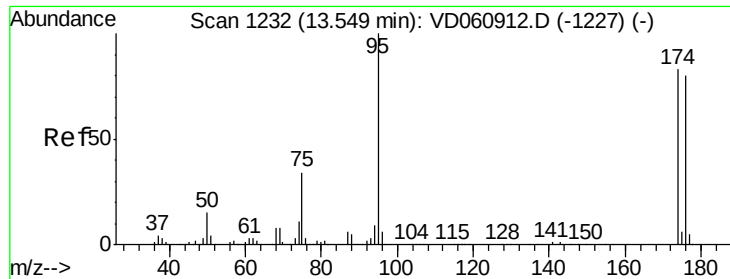
100 56.7 57.0 85.4#



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

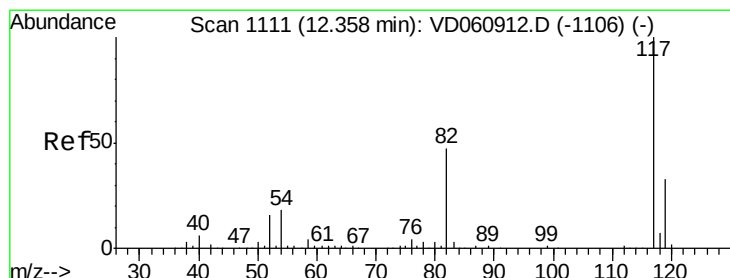
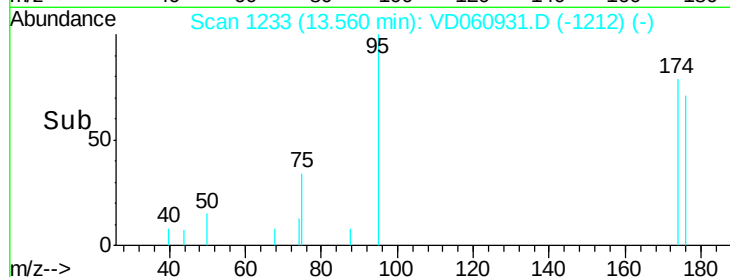
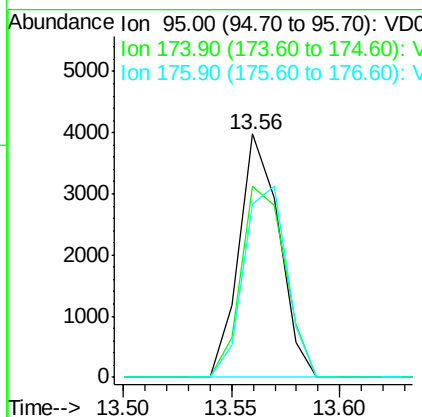
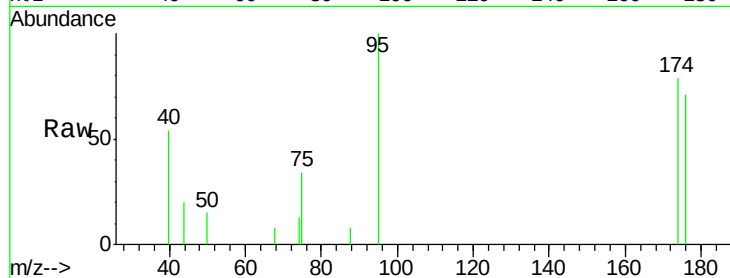




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD060931.D
Acq: 4 Mar 2019 18:45

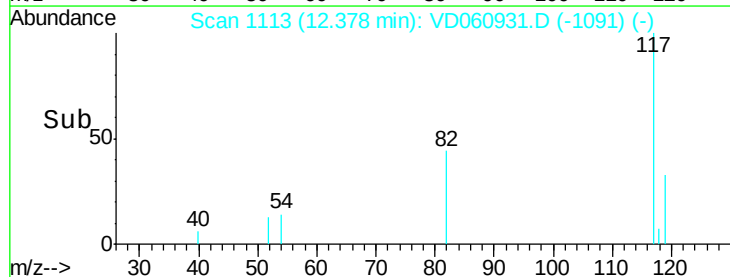
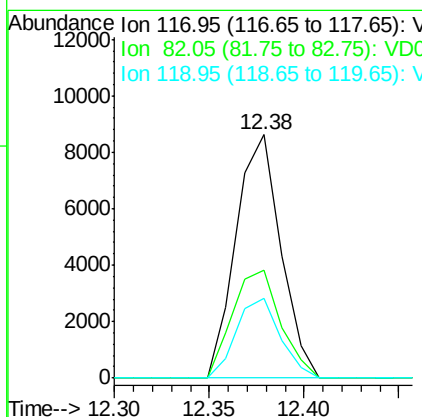
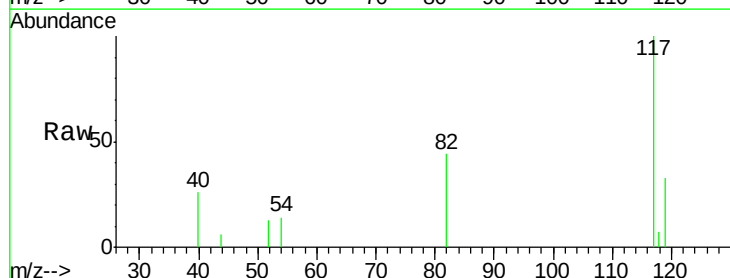
Instrument :
MSVOA_D
ClientSampled :
SB-A-8-11

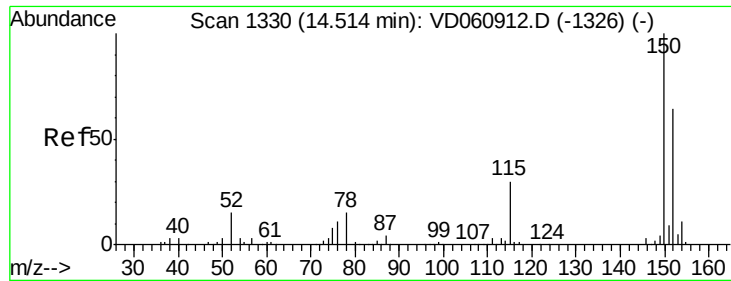
Tot Ion: 95 Resp: 5120
Ion Ratio Lower Upper
95 100
174 78.6 0.0 165.6
176 71.2 0.0 160.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD060931.D
Acq: 4 Mar 2019 18:45

Tgt Ion: 117 Resp: 14089
Ion Ratio Lower Upper
117 100
82 44.4 37.5 56.3
119 32.8 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD060931.D

Acq: 4 Mar 2019 18:45

Instrument :

MSVOA_D

ClientSampleId :

SB-A-8-11

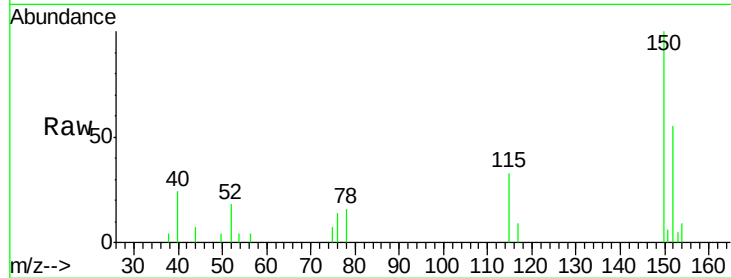
Tot Ion:152 Resp: 6469

Ion Ratio Lower Upper

152 100

115 59.2 27.6 82.8

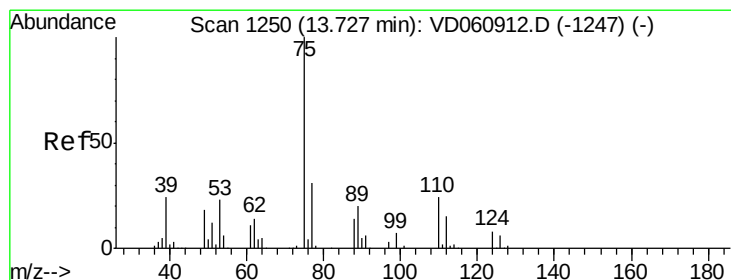
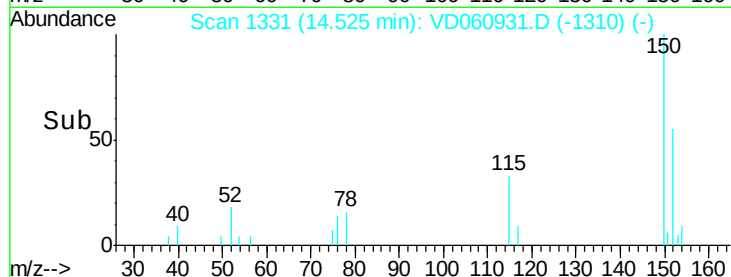
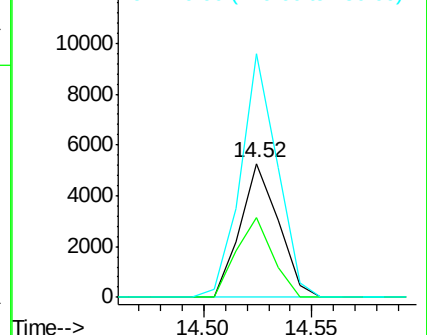
150 181.6 0.0 312.8



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



#76

1,2,3-Trichloropropane

Concen: 12.765 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD060931.D

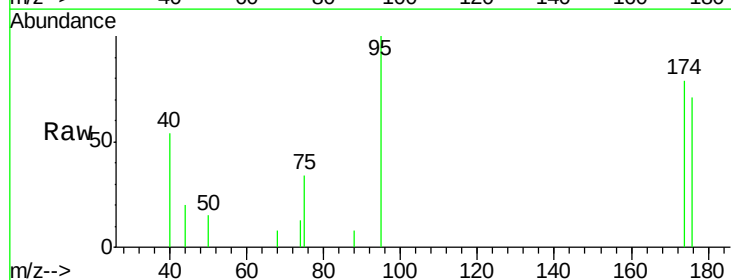
Acq: 4 Mar 2019 18:45

Tgt Ion: 75 Resp: 1338

Ion Ratio Lower Upper

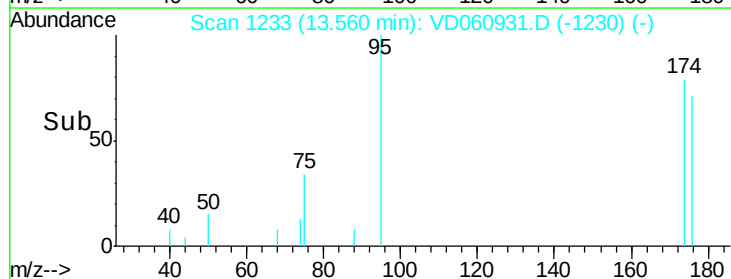
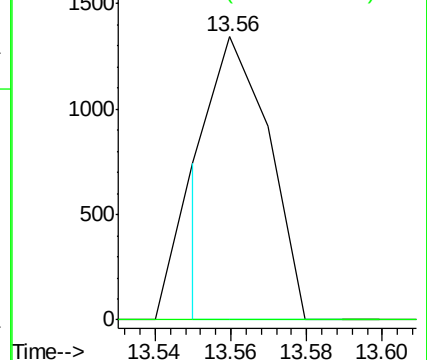
75 100

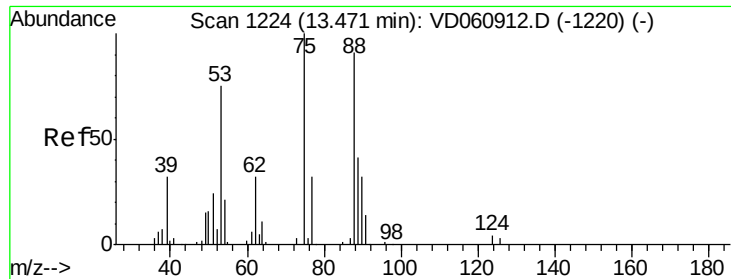
77 0.0 16.2 48.6#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V

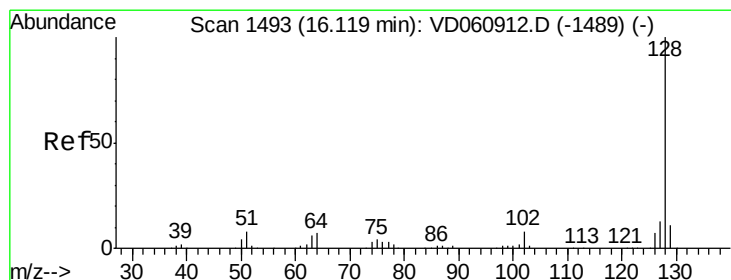
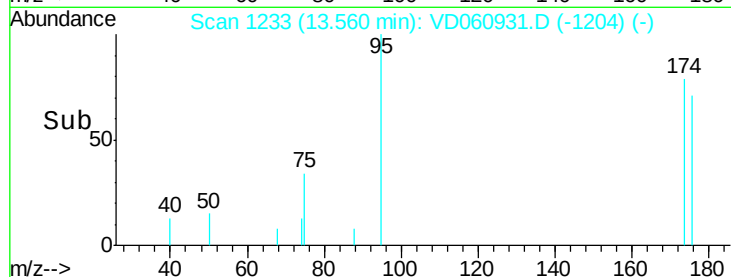
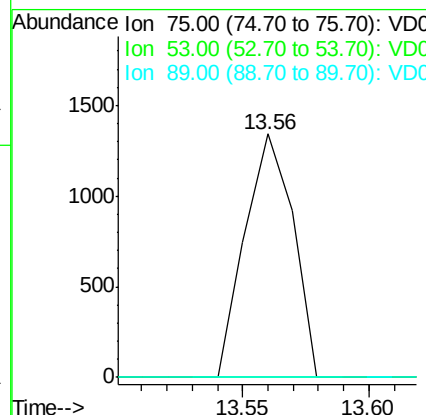
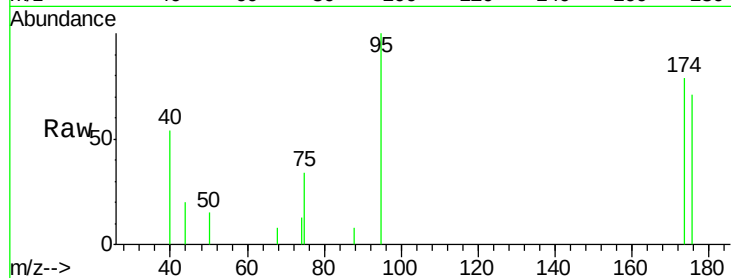




#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.285 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.09 min
 Lab File: VD060931.D
 Acq: 4 Mar 2019 18:45

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-A-8-11

Tot Ion: 75 Resp: 1777
 Ion Ratio Lower Upper
 75 100
 53 0.0 59.8 89.6#
 89 0.0 33.0 49.6#



#95
 Naphthalene
 Concen: 1.024 ug/l
 RT: 16.13 min Scan# 1494
 Delta R.T. 0.01 min
 Lab File: VD060931.D
 Acq: 4 Mar 2019 18:45

Tgt Ion: 128 Resp: 178
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.1 15.1#
 129 0.0 8.7 13.1#

