

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031119\
 Data File : VD061006.D
 Acq On : 11 Mar 2019 15:58
 Operator : VA/AP
 Sample : K1807-29RE
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-14RE

Quant Time: Mar 12 05:43:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	568240	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1160778	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	1007302	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	572714	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	332499	70.30	ug/l	0.02
Spiked Amount 50.000			Recovery	=	140.60%	
35) Dibromofluoromethane	6.93	113	486317	56.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.90%	
50) Toluene-d8	10.42	98	1217781	56.29	ug/l	0.02
Spiked Amount 50.000			Recovery	=	112.58%	
62) 4-Bromofluorobenzene	13.56	95	560478	66.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	133.54%	

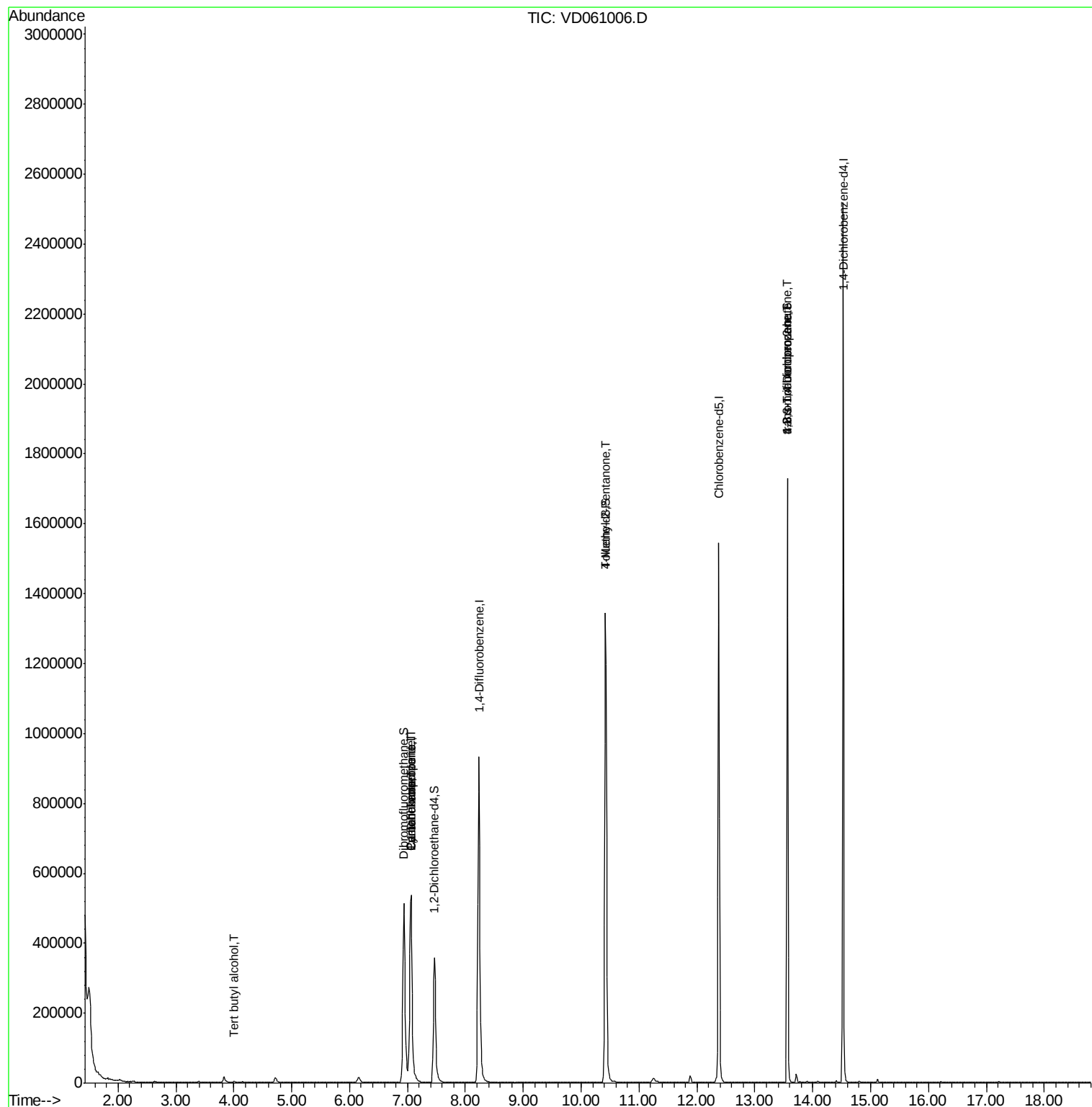
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	276	Below Cal	#	8
11) Tert butyl alcohol	4.01	59	1753	5.822	ug/l #	75
20) Methylene Chloride	3.82	84	11340	Below Cal	#	85
31) Cyclohexane	7.05	56	9105	1.088	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	41965	4.194	ug/l #	47
38) Carbon Tetrachloride	7.05	117	55243	5.012	ug/l #	15
51) 4-Methyl-2-Pentanone	10.42	43	4764	1.196	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	160298	19.455	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	204902	84.350	ug/l #	17

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD061006.D

Acq: 11 Mar 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

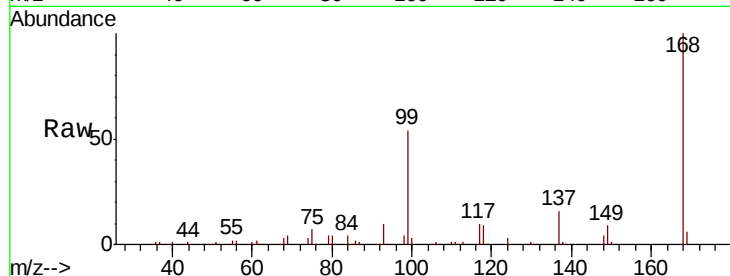
TP-14RE

Tot Ion:168 Resp: 568240

Ion Ratio Lower Upper

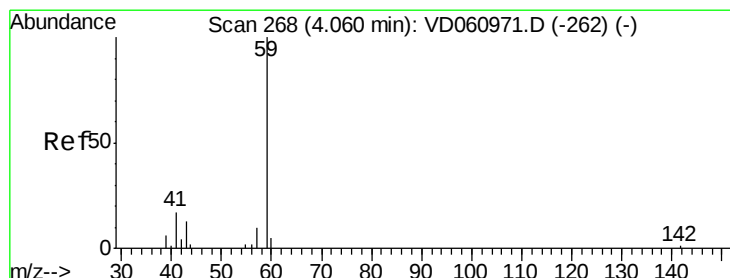
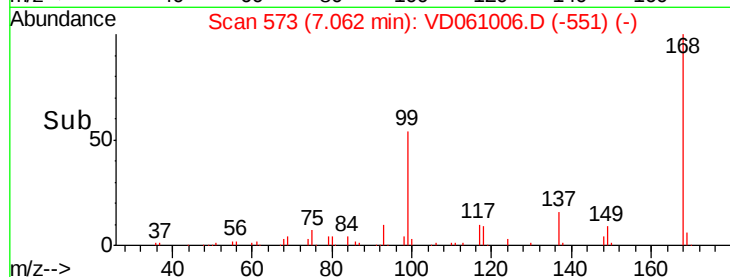
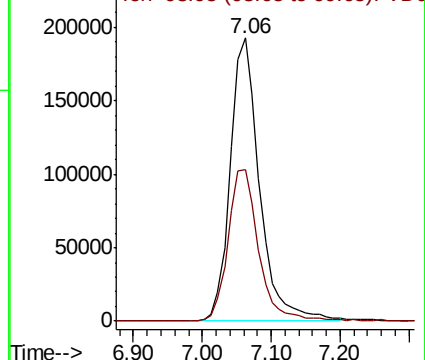
168 100

99 53.6 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 5.822 ug/l

RT: 4.01 min Scan# 263

Delta R.T. -0.05 min

Lab File: VD061006.D

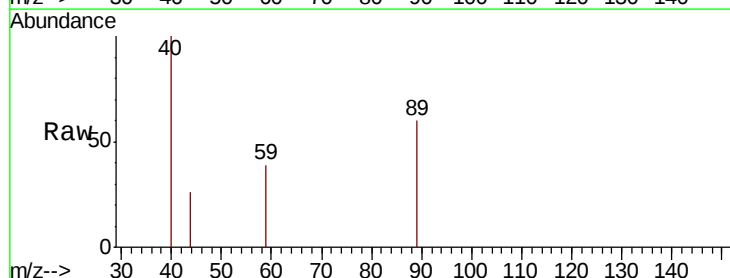
Acq: 11 Mar 2019 15:58

Tgt Ion: 59 Resp: 1753

Ion Ratio Lower Upper

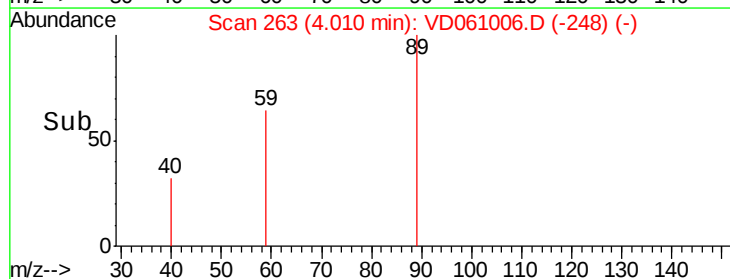
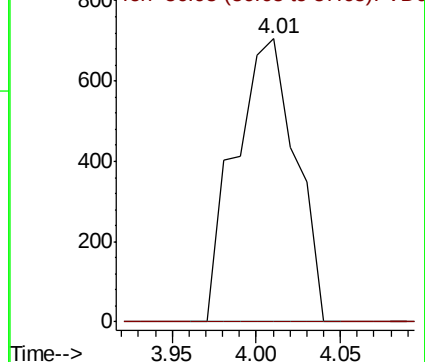
59 100

57 0.0 7.1 10.7#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

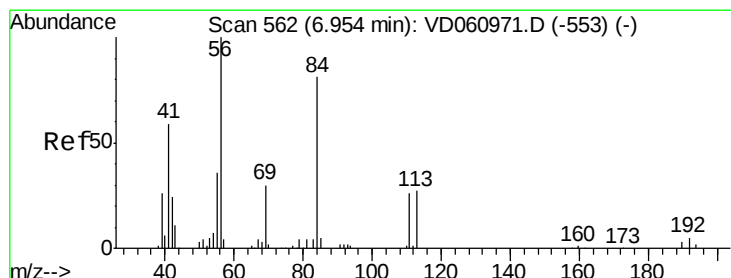
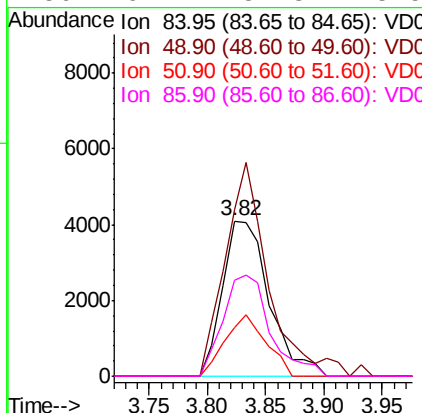
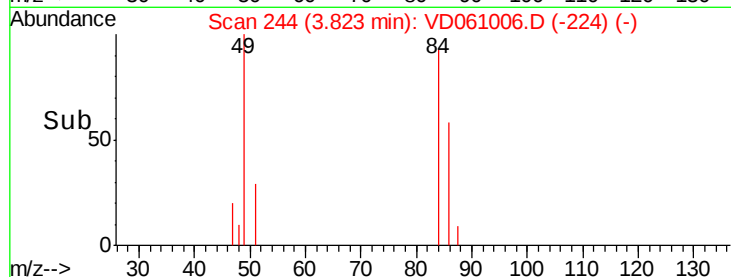
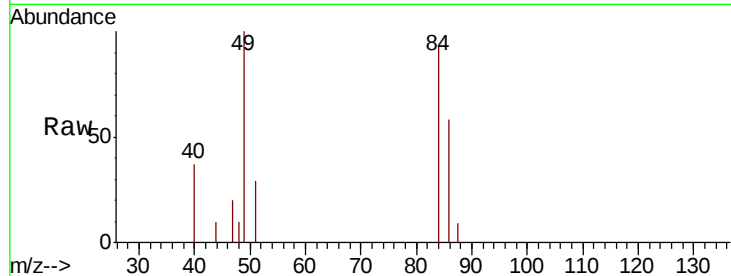




#20
Methylene Chloride
Concen: Below Cal
RT: 3.82 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD061006.D
Acq: 11 Mar 2019 15:58

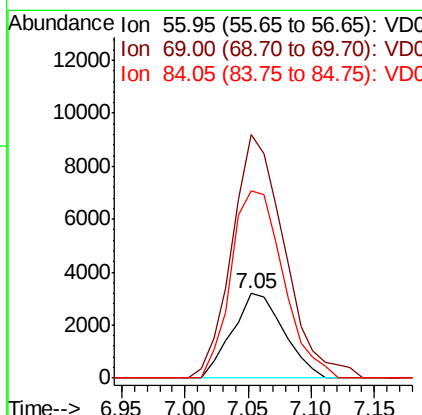
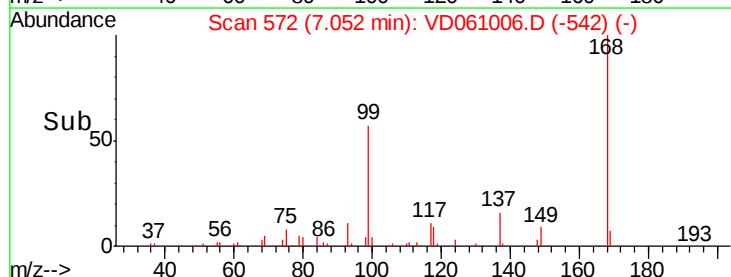
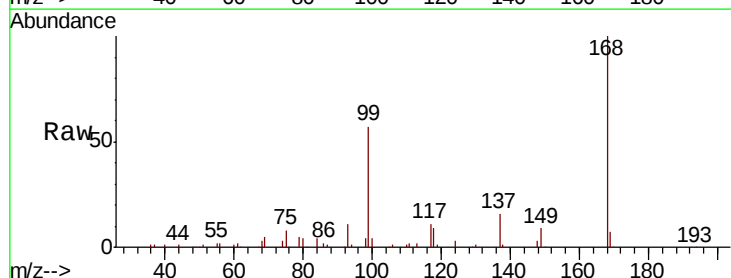
Instrument :
MSVOA_D
ClientSampleId :
TP-14RE

Tot Ion: 84 Resp: 11340
Ion Ratio Lower Upper
84 100
49 107.3 104.2 156.2
51 31.4 32.3 48.5#
86 61.7 52.3 78.5



#31
Cyclohexane
Concen: 1.088 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.10 min
Lab File: VD061006.D
Acq: 11 Mar 2019 15:58

Tgt Ion: 56 Resp: 9105
Ion Ratio Lower Upper
56 100
69 287.2 24.0 36.0#
84 220.5 65.8 98.6#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD061006.D

Acq: 11 Mar 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

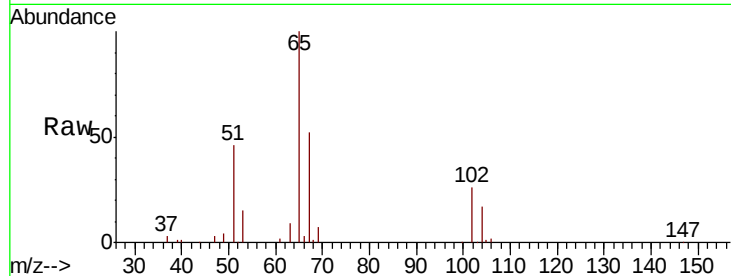
TP-14RE

Tot Ion: 65 Resp: 332499

Ion Ratio Lower Upper

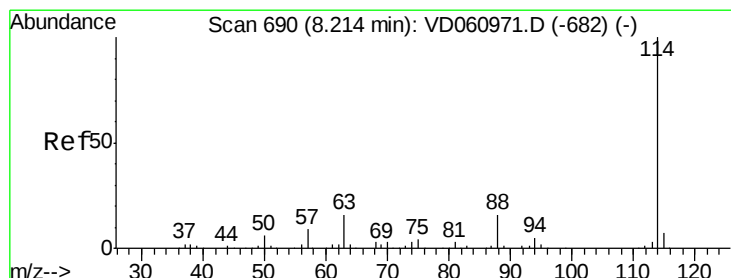
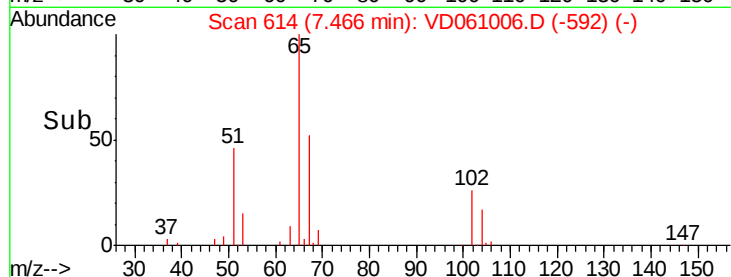
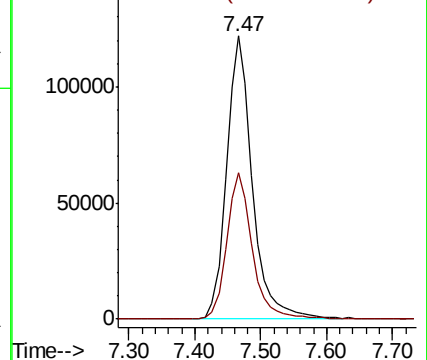
65 100

67 51.8 0.0 105.2



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: 8.23 min Scan# 692

Delta R.T. 0.02 min

Lab File: VD061006.D

Acq: 11 Mar 2019 15:58

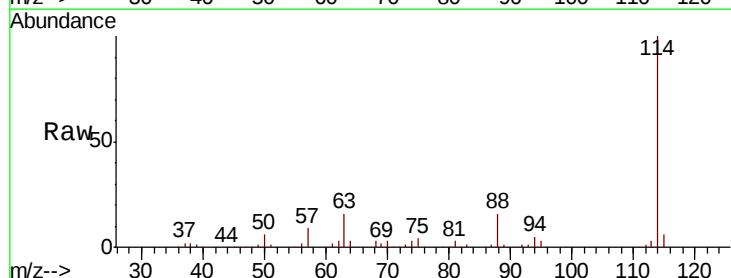
Tgt Ion: 114 Resp: 1160778

Ion Ratio Lower Upper

114 100

63 16.0 0.0 31.4

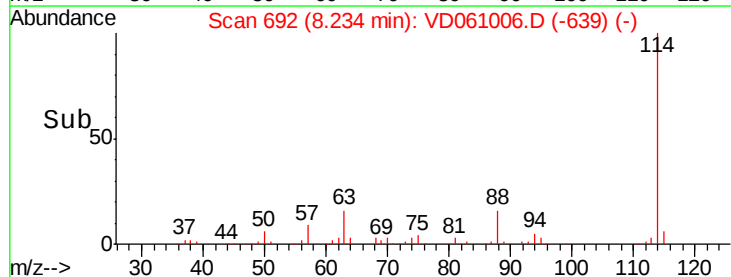
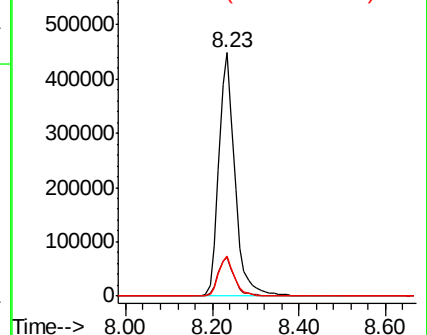
88 16.3 0.0 33.0



Abundance Ion 114.00 (113.70 to 114.70): VDC

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: 6.93 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD061006.D

Acq: 11 Mar 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

TP-14RE

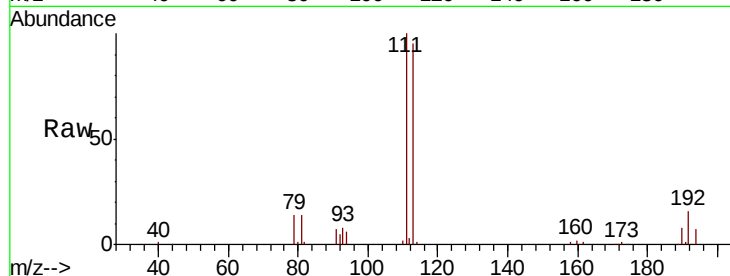
Tot Ion:113 Resp: 486317

Ion Ratio Lower Upper

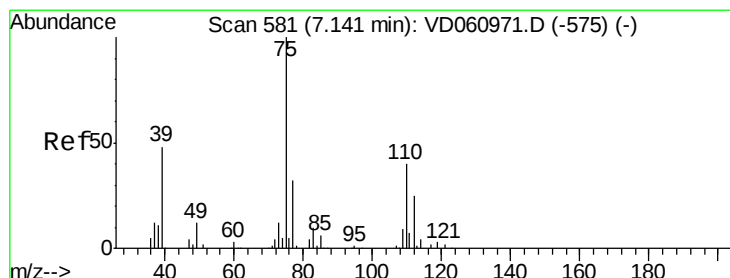
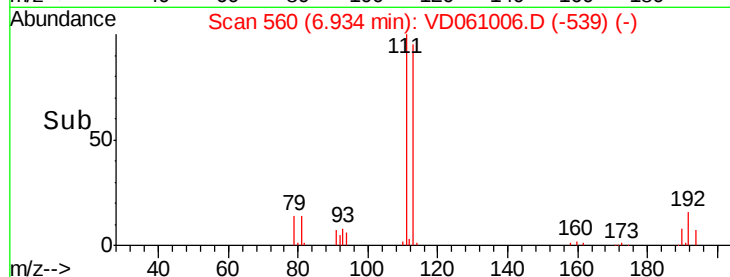
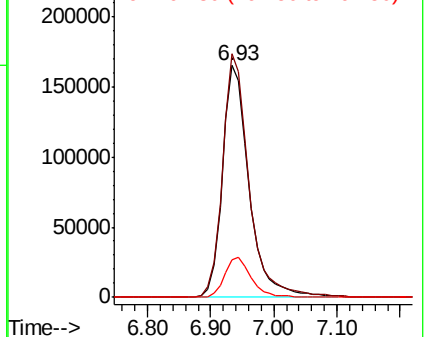
113 100

111 105.0 84.2 126.4

192 16.4 13.1 19.7



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: 4.194 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.09 min

Lab File: VD061006.D

Acq: 11 Mar 2019 15:58

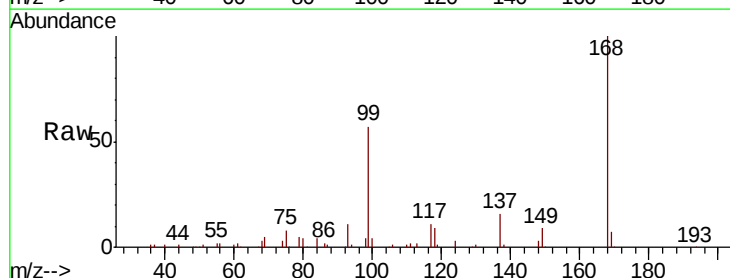
Tgt Ion: 75 Resp: 41965

Ion Ratio Lower Upper

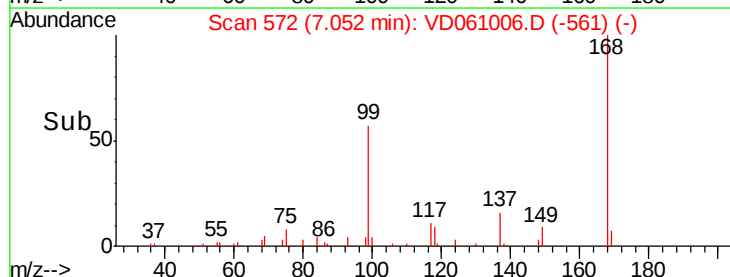
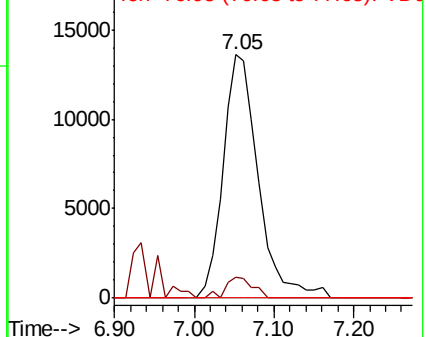
75 100

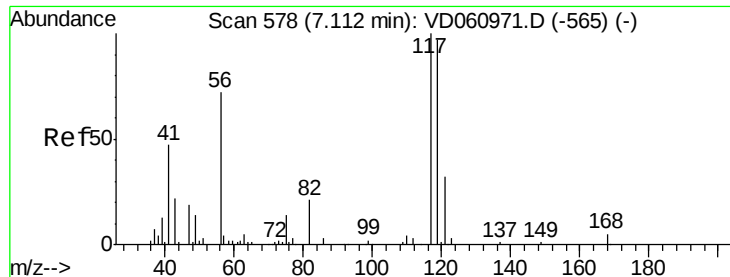
110 8.3 19.7 59.1#

77 0.0 24.7 37.1#



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

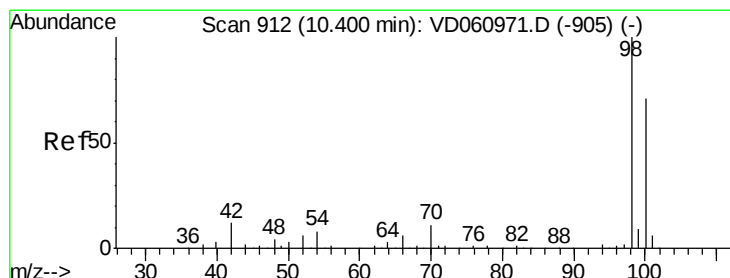
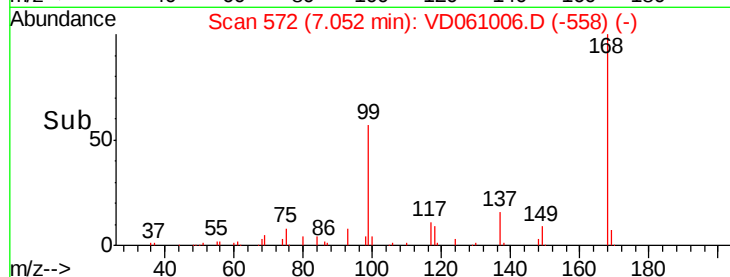
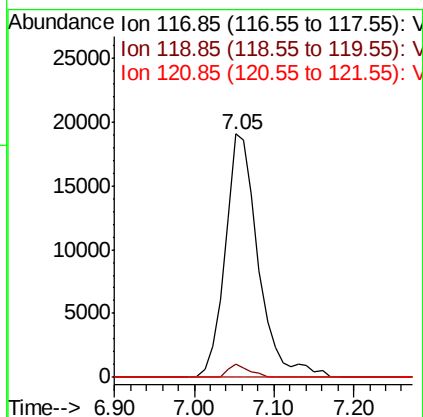
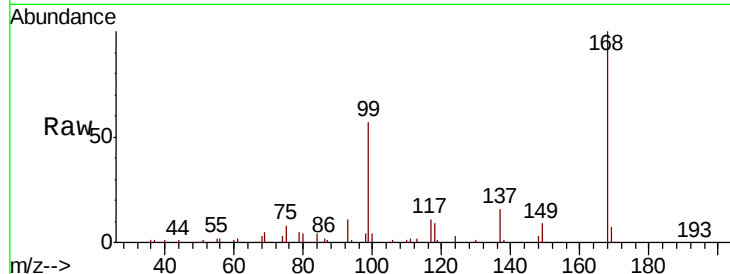




#38
Carbon Tetrachloride
Concen: 5.012 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.06 min
Lab File: VD061006.D
Acq: 11 Mar 2019 15:58

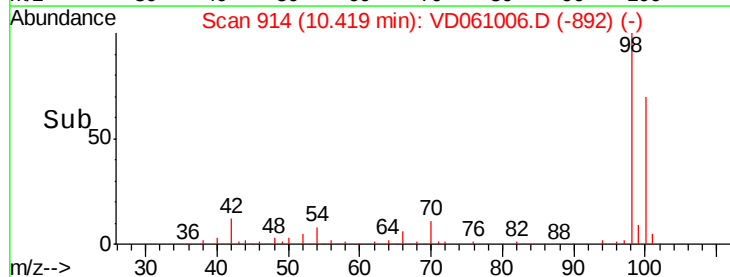
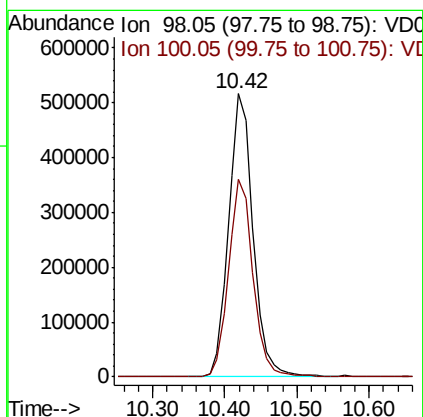
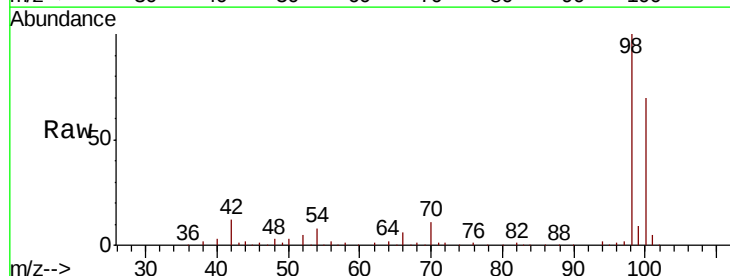
Instrument :
MSVOA_D
ClientSampled :
TP-14RE

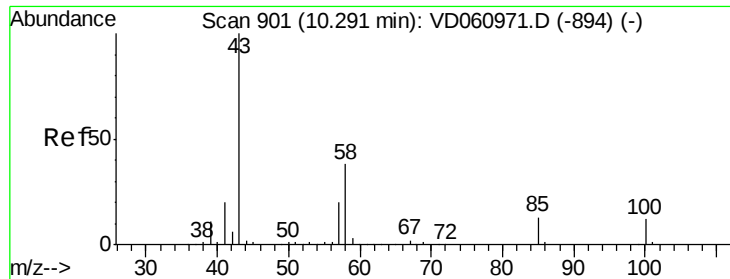
Tot Ion:117 Resp: 55243
Ion Ratio Lower Upper
117 100
119 5.2 77.8 116.8#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD061006.D
Acq: 11 Mar 2019 15:58

Tgt Ion: 98 Resp: 1217781
Ion Ratio Lower Upper
98 100
100 69.9 57.4 86.2





#51

4-Methyl-2-Pentanone

Concen: 1.196 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.13 min

Lab File: VD061006.D

Acq: 11 Mar 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

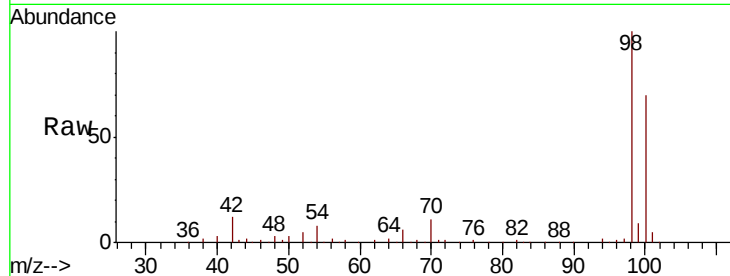
TP-14RE

Tot Ion: 43 Resp: 4764

Ion Ratio Lower Upper

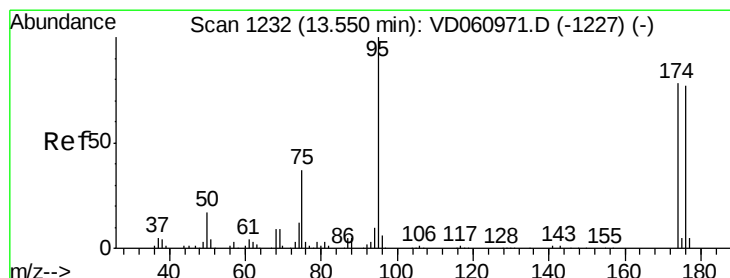
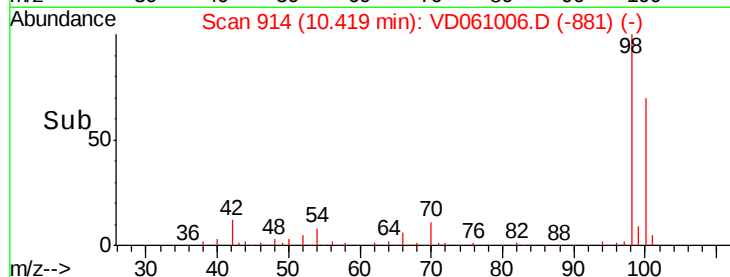
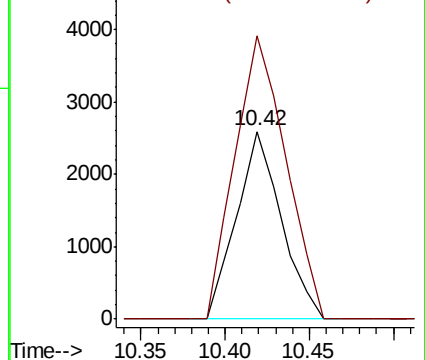
43 100

58 151.0 30.2 45.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061006.D

Acq: 11 Mar 2019 15:58

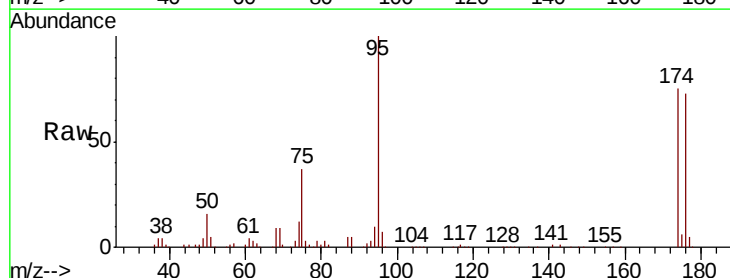
Tgt Ion: 95 Resp: 560478

Ion Ratio Lower Upper

95 100

174 74.8 0.0 155.6

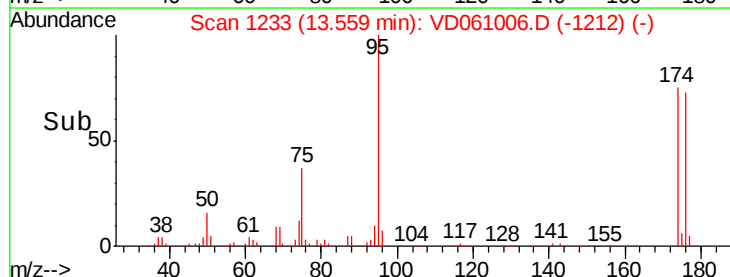
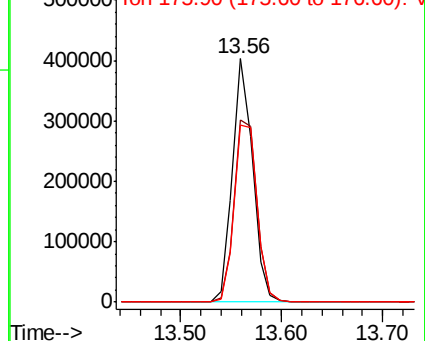
176 72.7 0.0 153.8

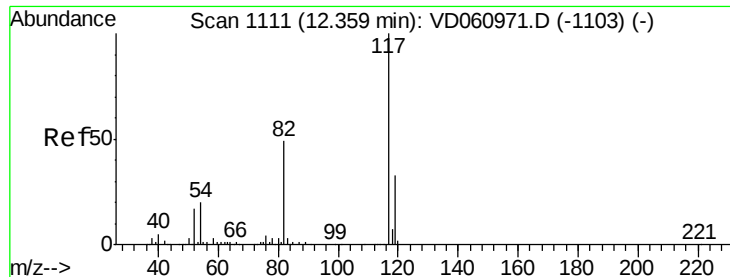


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

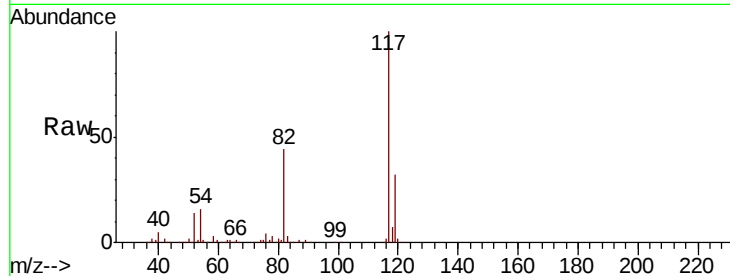




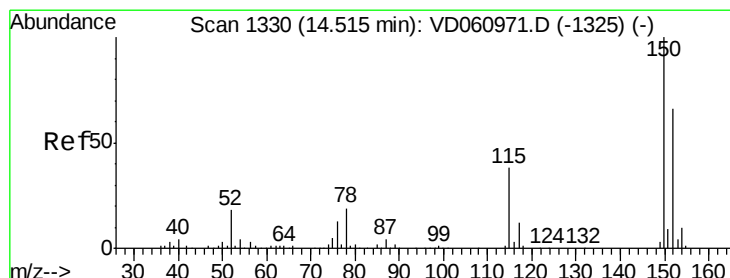
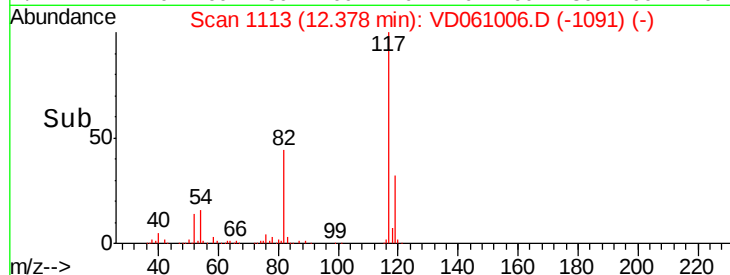
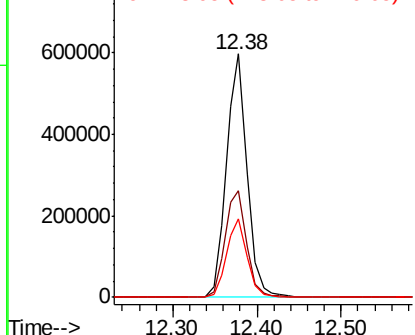
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061006.D
Acq: 11 Mar 2019 15:58

Instrument :
MSVOA_D
ClientSampleId :
TP-14RE

Tot Ion:117 Resp: 1007302
Ion Ratio Lower Upper
117 100
82 43.6 38.9 58.3
119 32.5 26.6 39.8

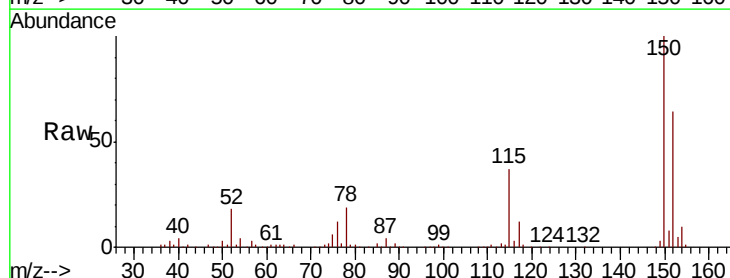


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

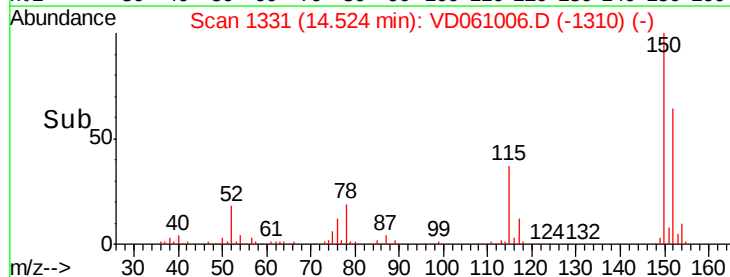
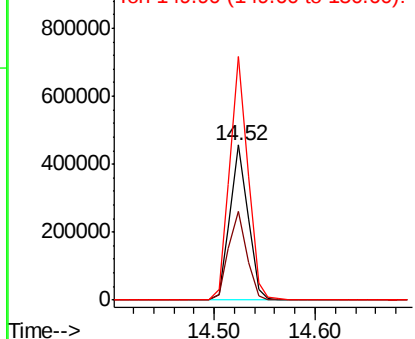


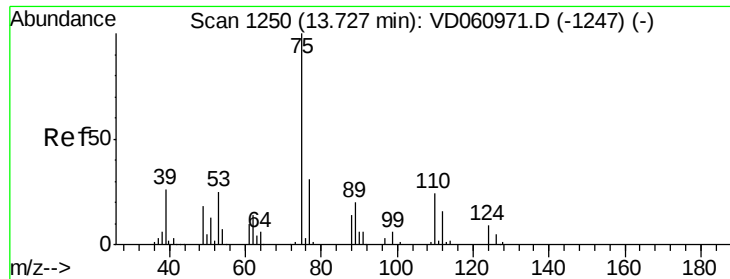
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061006.D
Acq: 11 Mar 2019 15:58

Tgt Ion:152 Resp: 572714
Ion Ratio Lower Upper
152 100
115 57.7 28.6 85.9
150 157.2 0.0 310.6



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

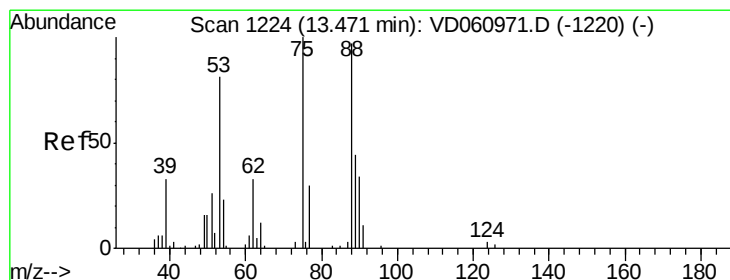
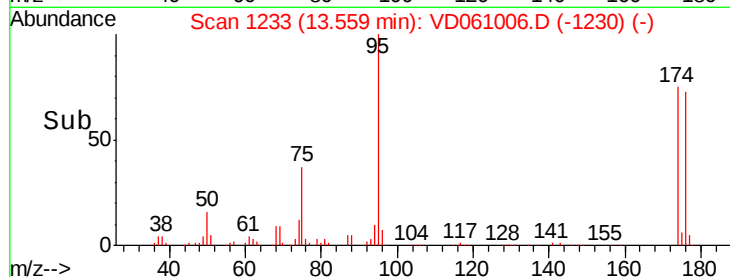
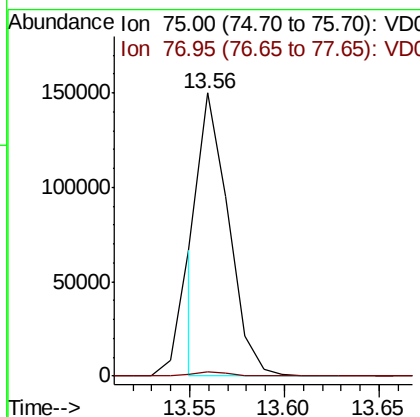
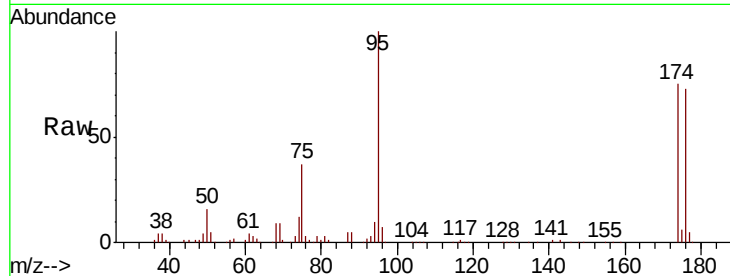




#76
 1,2,3-Trichloropropane
 Concen: 19.455 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.17 min
 Lab File: VD061006.D
 Acq: 11 Mar 2019 15:58

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-14RE

Tot Ion: 75 Resp: 160298
 Ion Ratio Lower Upper
 75 100
 77 1.5 16.6 49.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.350 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.09 min
 Lab File: VD061006.D
 Acq: 11 Mar 2019 15:58

Tgt Ion: 75 Resp: 204902
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.4 96.6#
 89 0.0 34.8 52.2#

