

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031119\
 Data File : VD061007.D
 Acq On : 11 Mar 2019 16:26
 Operator : VA/AP
 Sample : K1807-31RE
 Misc : 5.01g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-13RE

Quant Time: Mar 12 05:43:25 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	7.07	168	581761	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	1171267	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	965383	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	452751	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	340906	70.40	ug/l	0.03
Spiked Amount 50.000			Recovery	=	140.80%	
35) Dibromofluoromethane	6.94	113	464448	53.43	ug/l	0.02
Spiked Amount 50.000			Recovery	=	106.86%	
50) Toluene-d8	10.42	98	1147406	52.56	ug/l	0.03
Spiked Amount 50.000			Recovery	=	105.12%	
62) 4-Bromofluorobenzene	13.57	95	484980	57.26	ug/l	0.02
Spiked Amount 50.000			Recovery	=	114.52%	

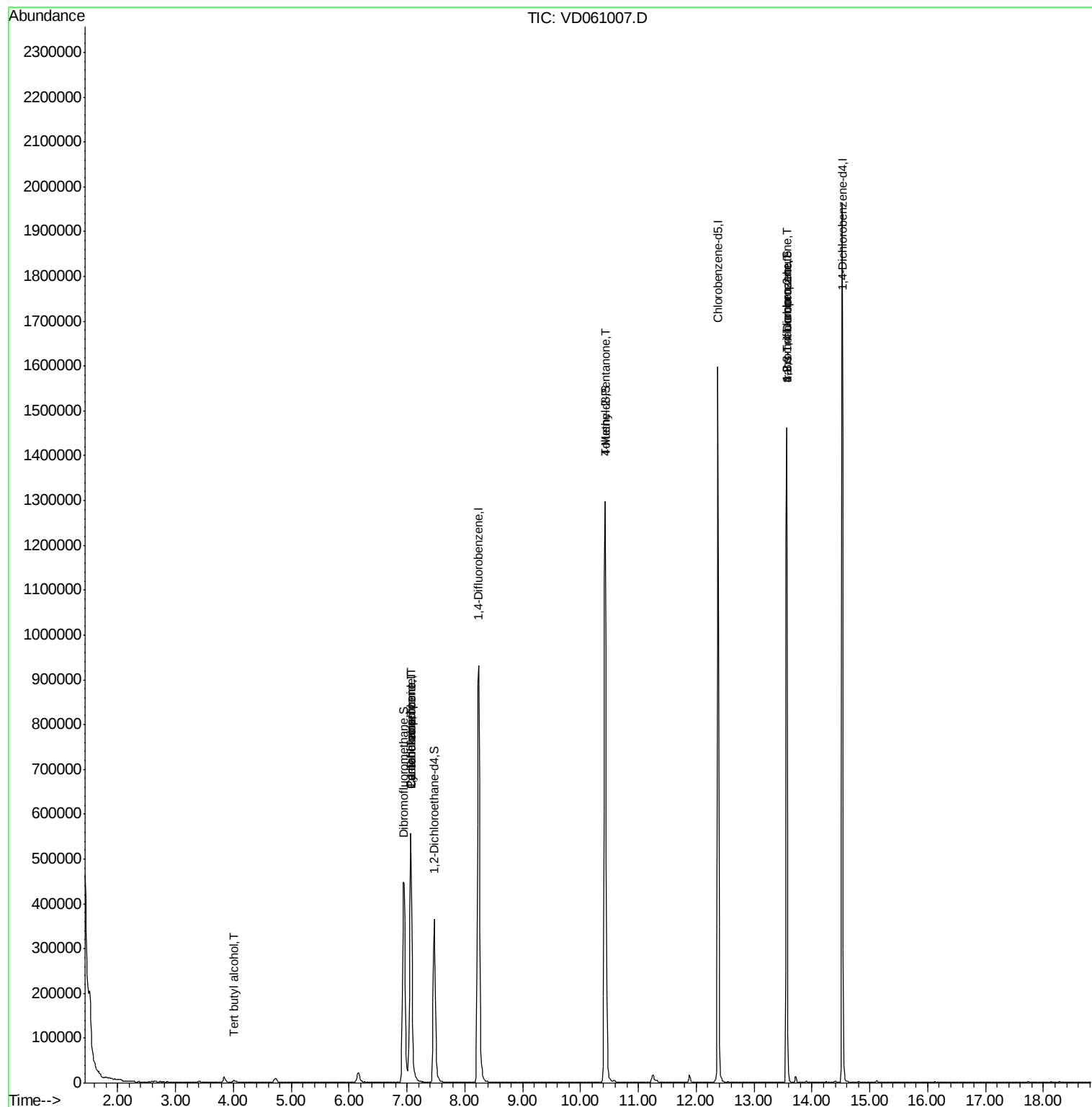
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	184	Below Cal	#	8
11) Tert butyl alcohol	4.02	59	3403	11.039	ug/l #	75
20) Methylene Chloride	3.84	84	9235	Below Cal		88
31) Cyclohexane	7.07	56	9604	1.121	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	42753	4.235	ug/l #	47
38) Carbon Tetrachloride	7.07	117	56764	5.104	ug/l #	15
51) 4-Methyl-2-Pentanone	10.42	43	4771	1.187	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	161026	24.721	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	178155	92.772	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: 7.07 min Scan# 573

Delta R.T. 0.03 min

Lab File: VD061007.D

Acq: 11 Mar 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

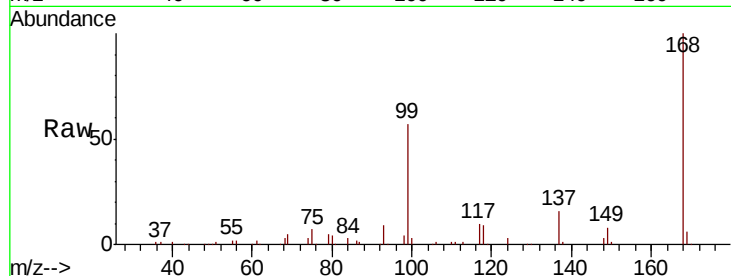
TP-13RE

Tot Ion:168 Resp: 581761

Ion Ratio Lower Upper

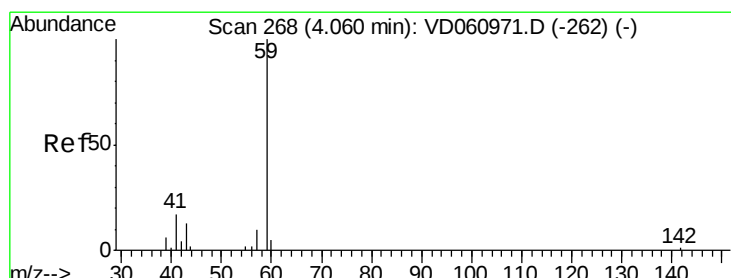
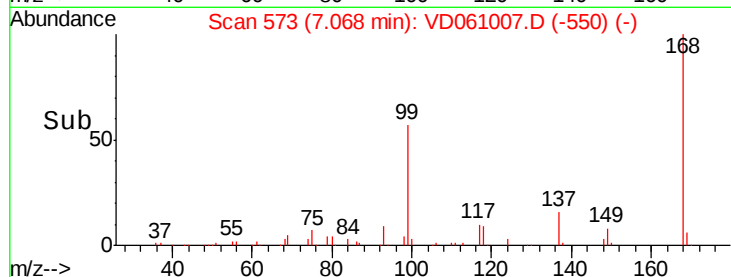
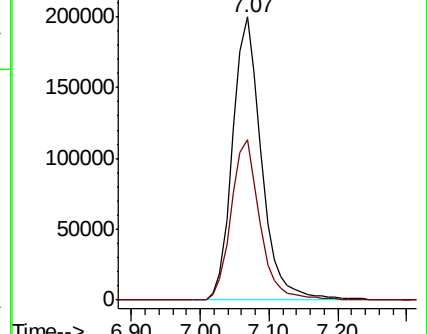
168 100

99 56.6 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: 11.039 ug/l

RT: 4.02 min Scan# 263

Delta R.T. -0.04 min

Lab File: VD061007.D

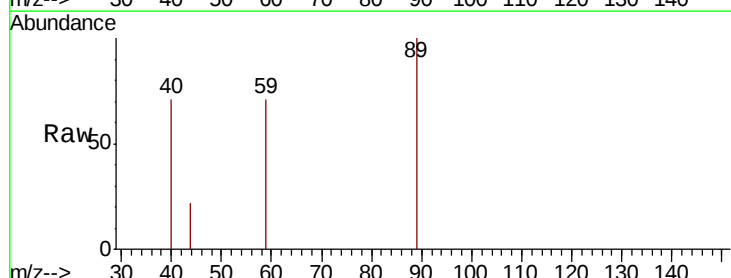
Acq: 11 Mar 2019 16:26

Tgt Ion: 59 Resp: 3403

Ion Ratio Lower Upper

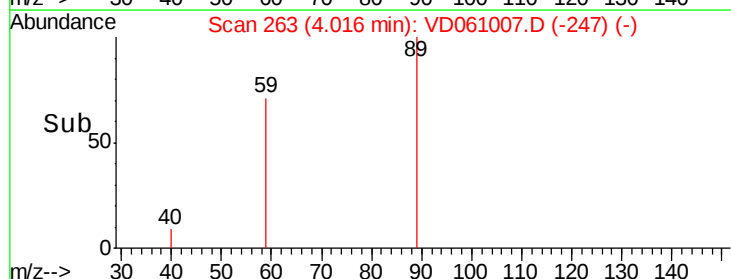
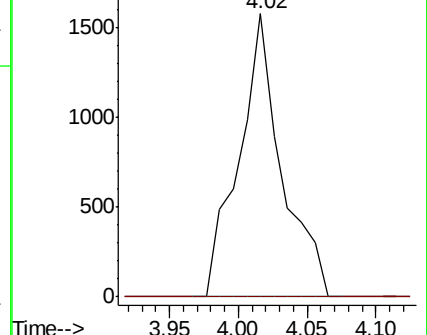
59 100

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

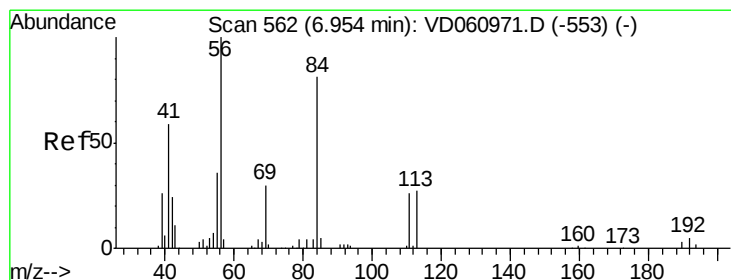
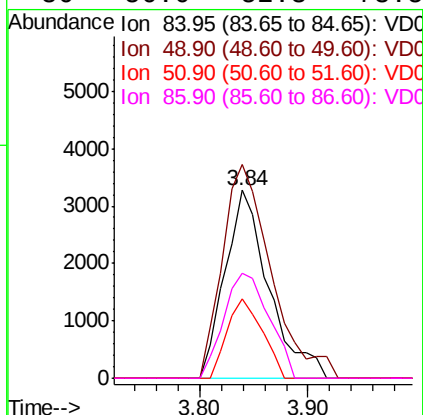
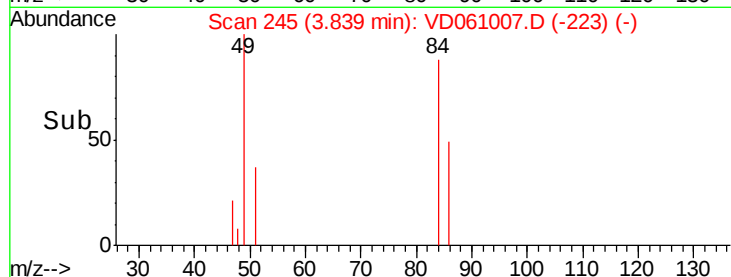
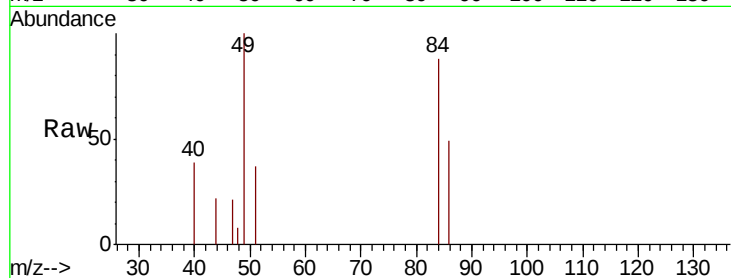




#20
Methvlene Chloride
Concen: Below Cal
RT: 3.84 min Scan# 245
Delta R.T. 0.02 min
Lab File: VD061007.D
Acq: 11 Mar 2019 16:26

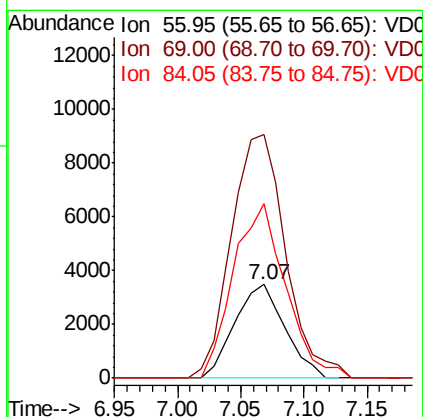
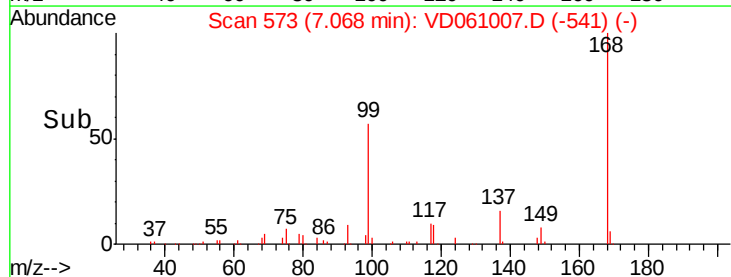
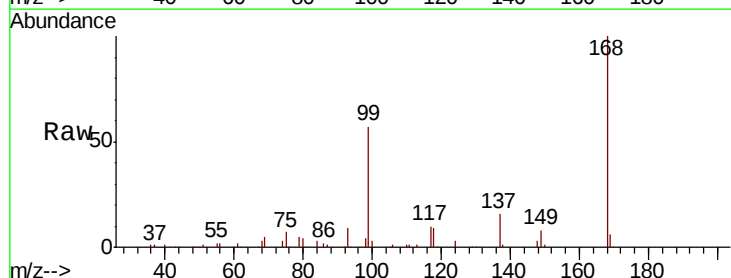
Instrument :
MSVOA_D
ClientSampleId :
TP-13RE

Tot Ion: 84 Resp: 9235
Ion Ratio Lower Upper
84 100
49 113.7 104.2 156.2
51 42.5 32.3 48.5
86 56.0 52.3 78.5



#31
Cyclohexane
Concen: 1.121 ug/l
RT: 7.07 min Scan# 573
Delta R.T. 0.11 min
Lab File: VD061007.D
Acq: 11 Mar 2019 16:26

Tgt Ion: 56 Resp: 9604
Ion Ratio Lower Upper
56 100
69 261.2 24.0 36.0#
84 187.0 65.8 98.6#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD061007.D

Acq: 11 Mar 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

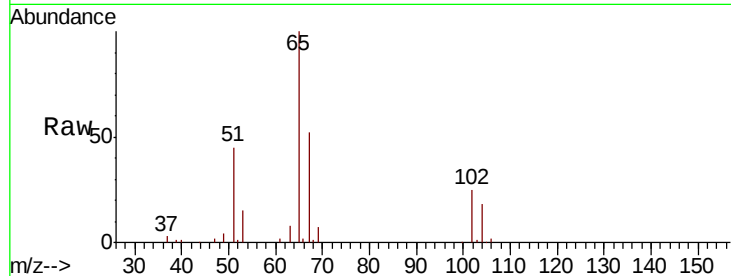
TP-13RE

Tot Ion: 65 Resp: 340906

Ion Ratio Lower Upper

65 100

67 52.1 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

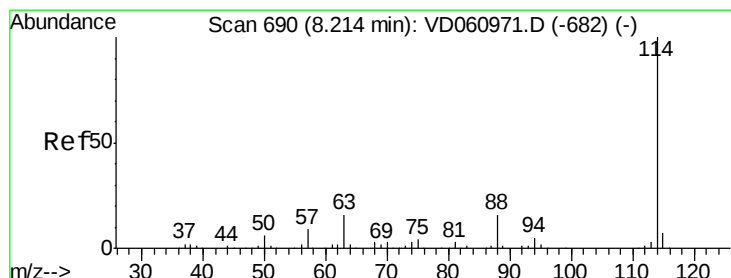
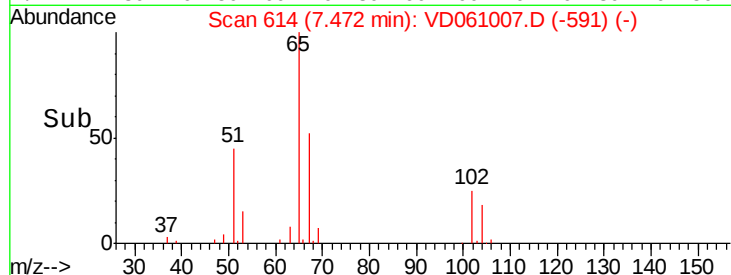
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60 7.70



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.03 min

Lab File: VD061007.D

Acq: 11 Mar 2019 16:26

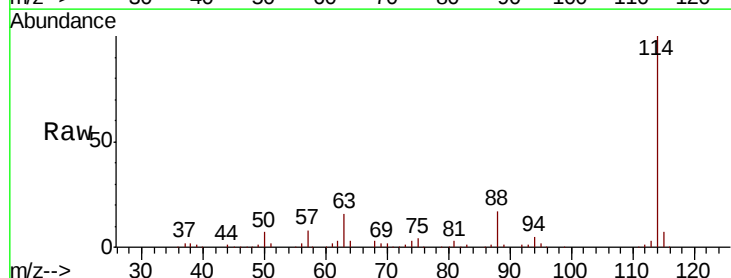
Tgt Ion: 114 Resp: 1171267

Ion Ratio Lower Upper

114 100

63 16.1 0.0 31.4

88 16.6 0.0 33.0



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

600000

500000

400000

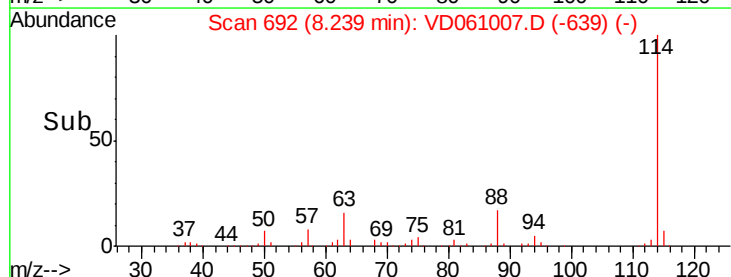
300000

200000

100000

0

Time--> 8.00 8.20 8.40 8.60

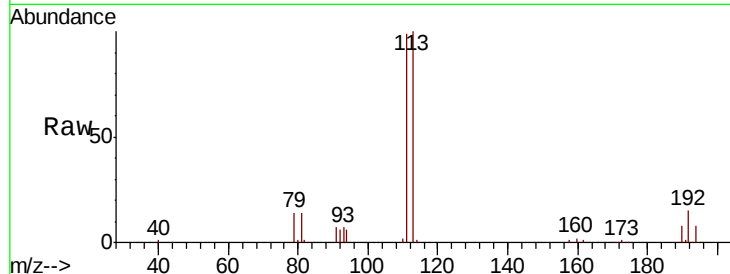




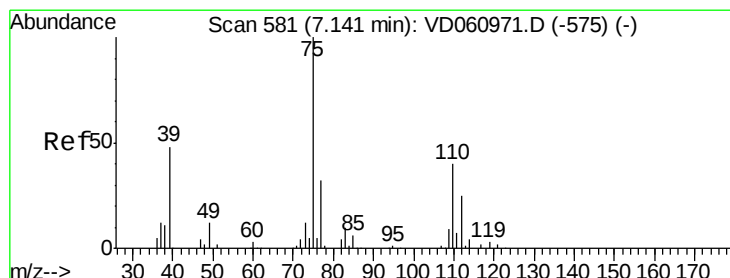
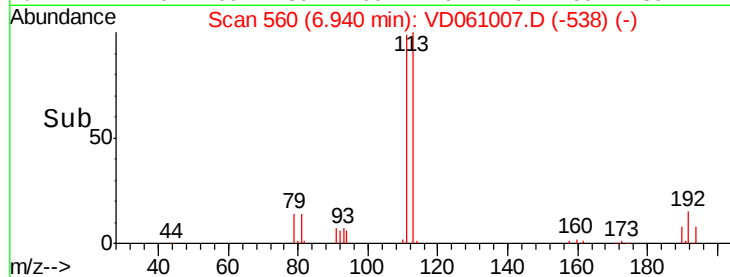
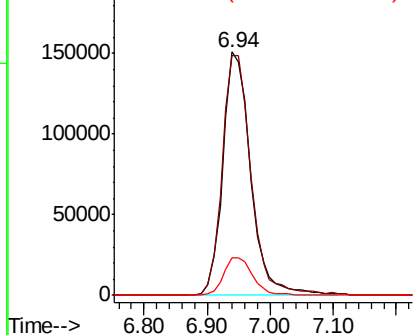
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.02 min
Lab File: VD061007.D
Acq: 11 Mar 2019 16:26

Instrument :
MSVOA_D
ClientSampleId :
TP-13RE

Tot Ion:113 Resp: 464448
Ion Ratio Lower Upper
113 100
111 98.6 84.2 126.4
192 15.2 13.1 19.7

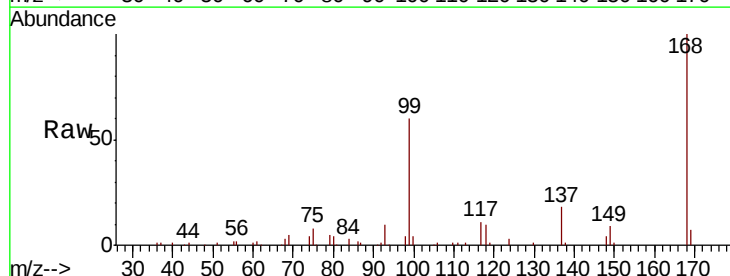


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

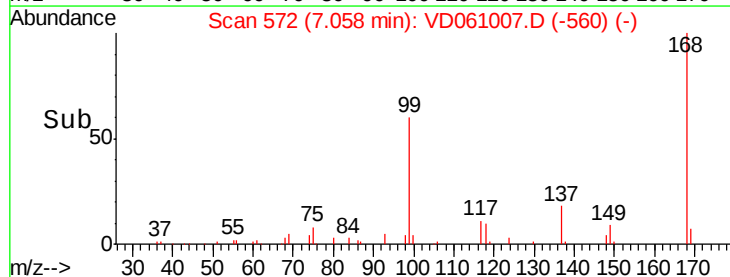
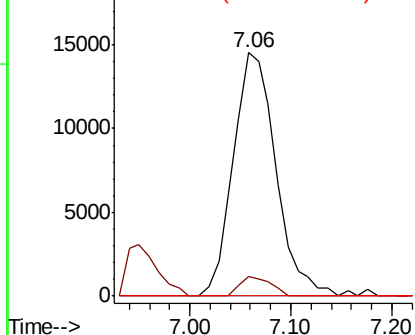


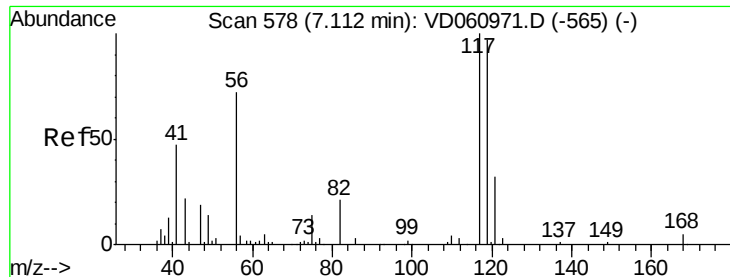
#36
1,1-Dichloropropene
Concen: 4.235 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.08 min
Lab File: VD061007.D
Acq: 11 Mar 2019 16:26

Tgt Ion: 75 Resp: 42753
Ion Ratio Lower Upper
75 100
110 8.0 19.7 59.1#
77 0.0 24.7 37.1#



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

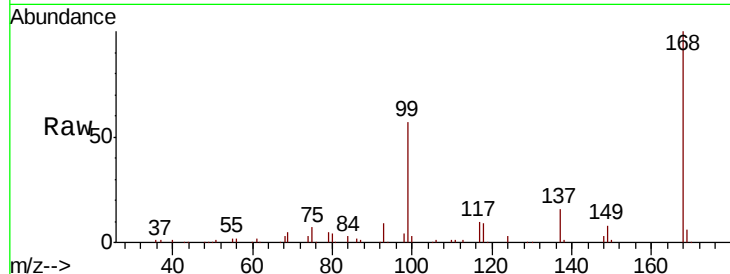




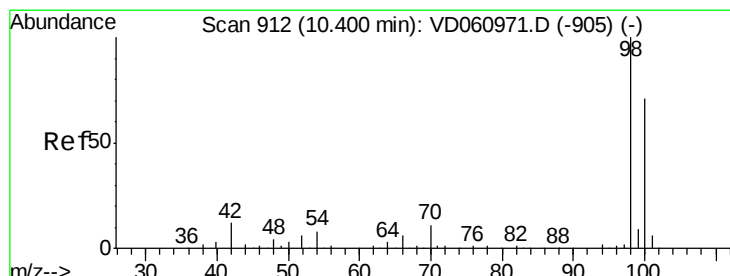
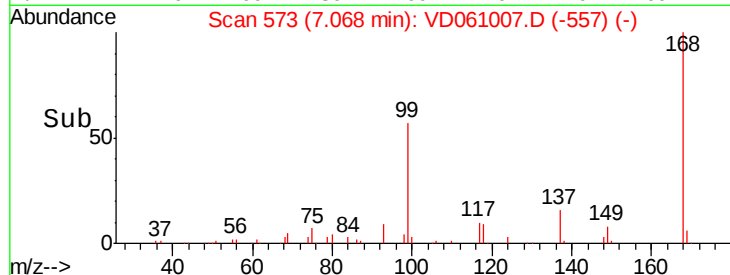
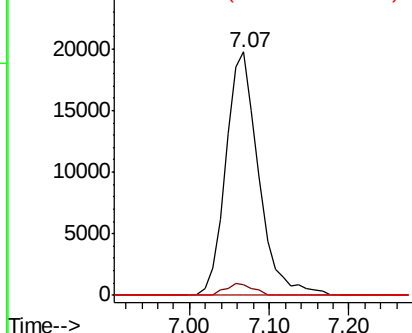
#38
Carbon Tetrachloride
Concen: 5.104 ug/l
RT: 7.07 min Scan# 573
Delta R.T. -0.04 min
Lab File: VD061007.D
Acq: 11 Mar 2019 16:26

Instrument :
MSVOA_D
ClientSampleId :
TP-13RE

Tot Ion:117 Resp: 56764
Ion Ratio Lower Upper
117 100
119 4.4 77.8 116.8#
121 0.0 25.3 37.9#

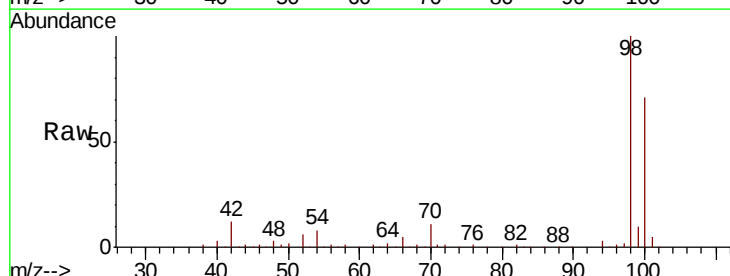


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

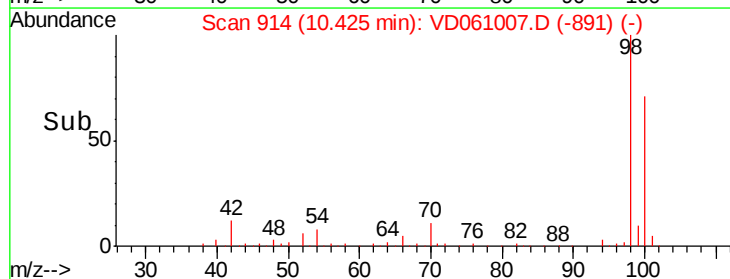
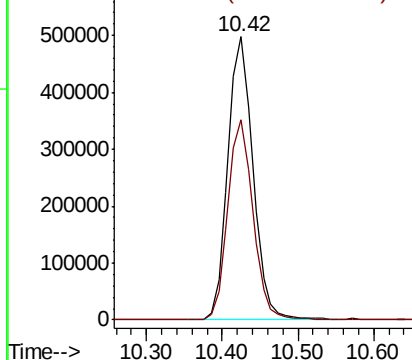


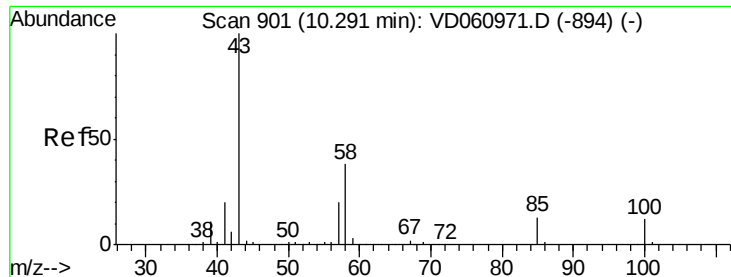
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.03 min
Lab File: VD061007.D
Acq: 11 Mar 2019 16:26

Tgt Ion: 98 Resp: 1147406
Ion Ratio Lower Upper
98 100
100 70.6 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): V
Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.187 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.13 min

Lab File: VD061007.D

Acq: 11 Mar 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

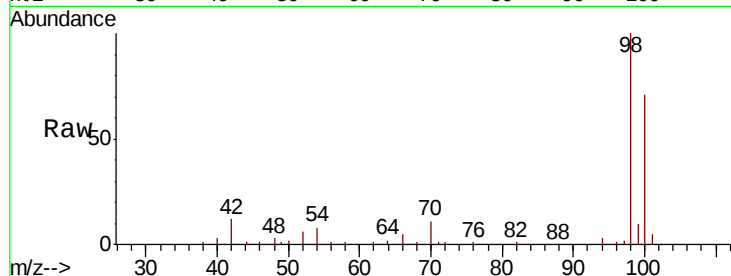
TP-13RE

Tot Ion: 43 Resp: 4771

Ion Ratio Lower Upper

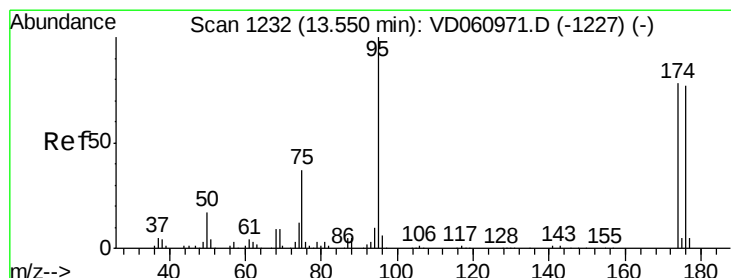
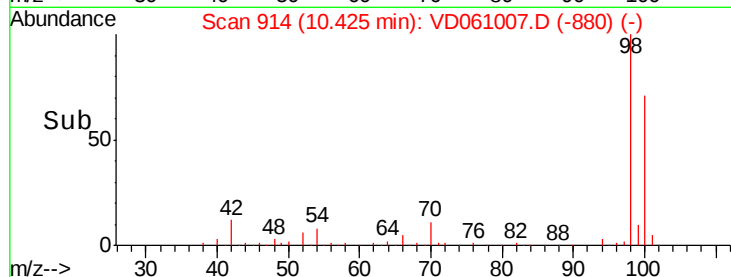
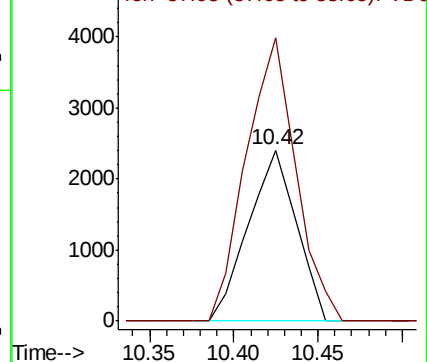
43 100

58 165.2 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: 13.57 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD061007.D

Acq: 11 Mar 2019 16:26

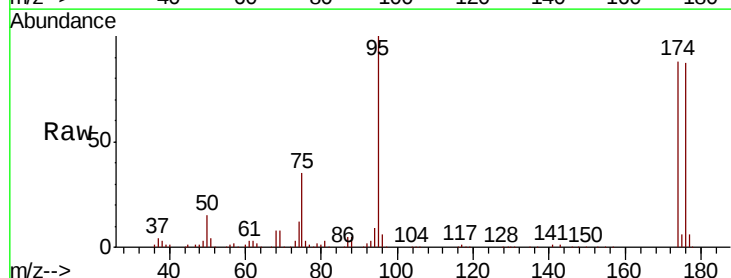
Tgt Ion: 95 Resp: 484980

Ion Ratio Lower Upper

95 100

174 88.4 0.0 155.6

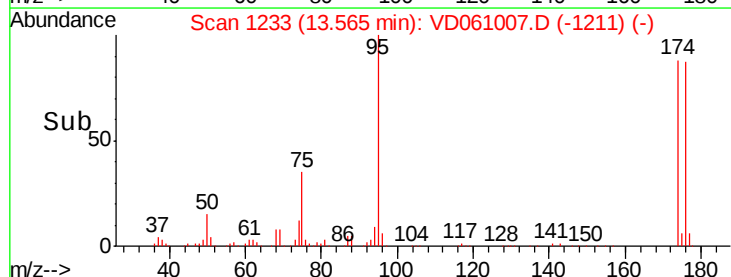
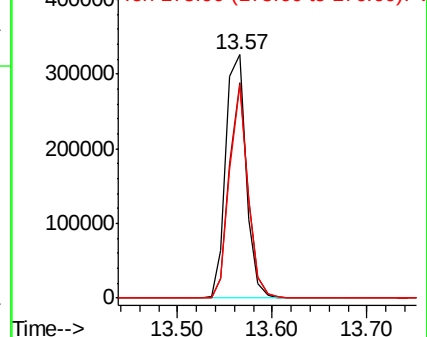
176 87.4 0.0 153.8

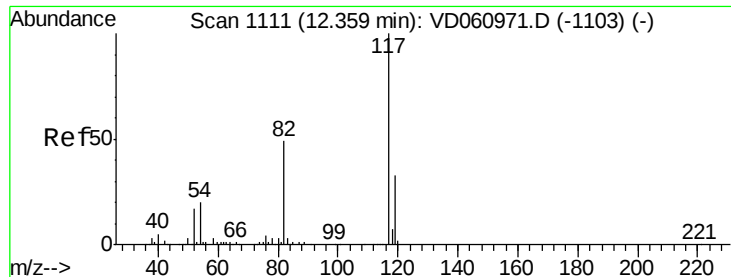


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

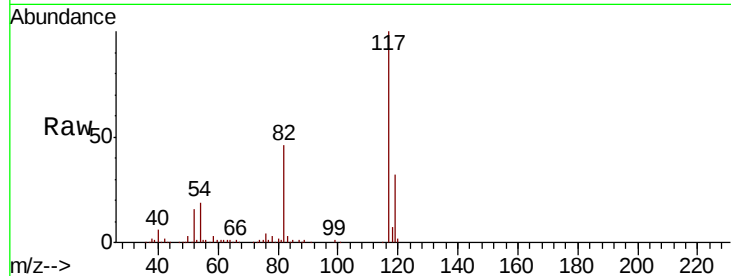




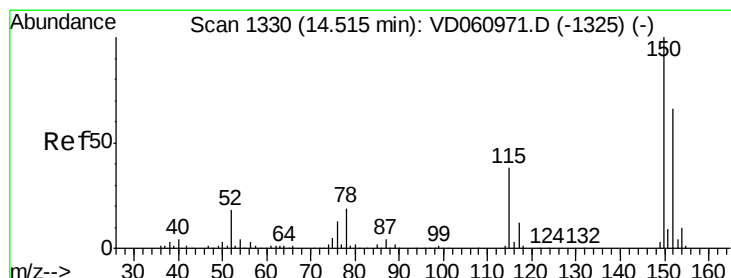
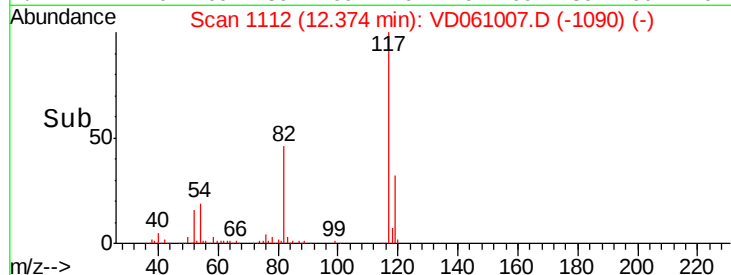
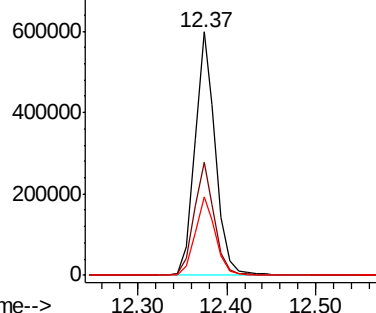
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061007.D
Acq: 11 Mar 2019 16:26

Instrument :
MSVOA_D
ClientSampleId :
TP-13RE

Tot Ion:117 Resp: 965383
Ion Ratio Lower Upper
117 100
82 46.3 38.9 58.3
119 32.4 26.6 39.8

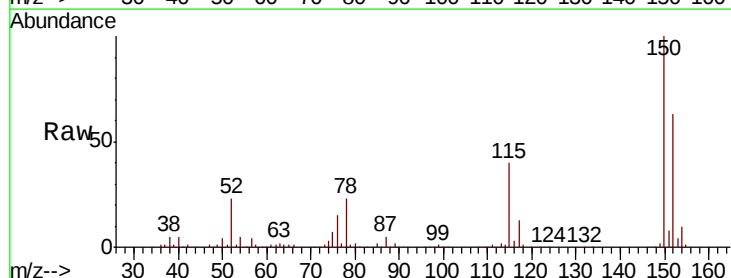


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

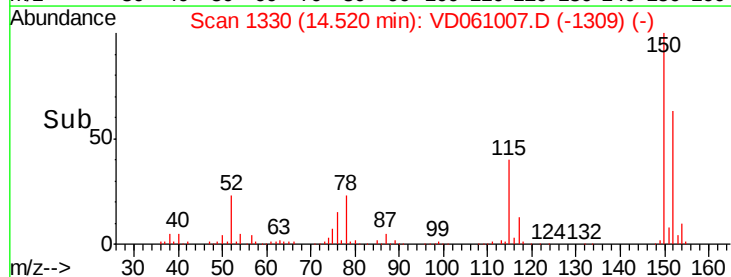
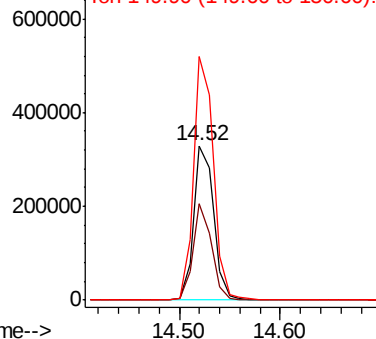


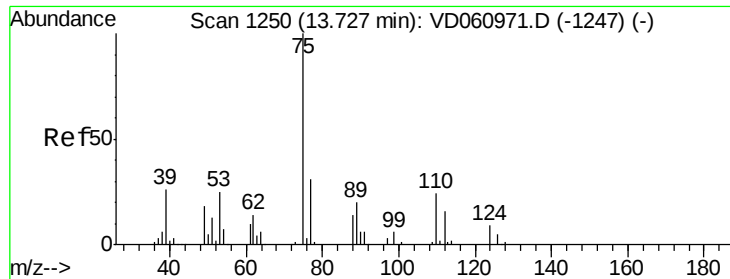
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD061007.D
Acq: 11 Mar 2019 16:26

Tgt Ion:152 Resp: 452751
Ion Ratio Lower Upper
152 100
115 62.6 28.6 85.9
150 157.9 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

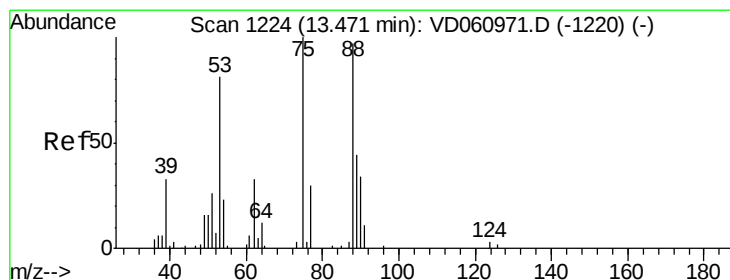
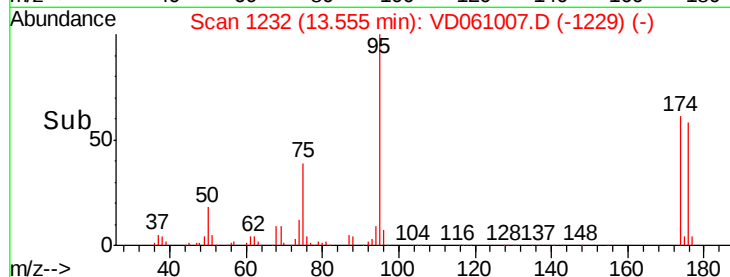
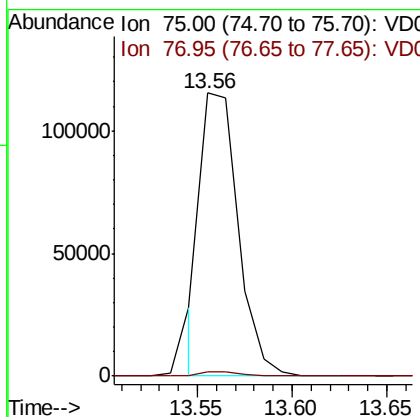
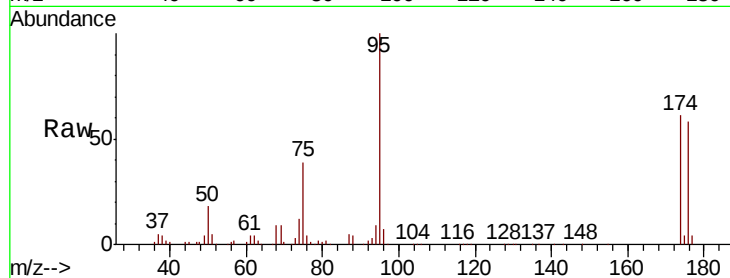




#76
 1,2,3-Trichloropropane
 Concen: 24.721 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.17 min
 Lab File: VD061007.D
 Acq: 11 Mar 2019 16:26

Instrument :
 MSVOA_D
 ClientSampleID :
 TP-13RE

Tot Ion: 75 Resp: 161026
 Ion Ratio Lower Upper
 75 100
 77 1.5 16.6 49.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.772 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.08 min
 Lab File: VD061007.D
 Acq: 11 Mar 2019 16:26

Tgt Ion: 75 Resp: 178155
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.4 96.6#
 89 0.0 34.8 52.2#

