

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031119\
 Data File : VD061002.D
 Acq On : 11 Mar 2019 14:04
 Operator : VA/AP
 Sample : K1807-21RE
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-18RE

Quant Time: Mar 12 05:42:29 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	30137	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	60596	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	57683	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	29467	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	20163	80.38	ug/l	0.01
Spiked Amount 50.000			Recovery	=	160.76%	
35) Dibromofluoromethane	6.94	113	23461	52.17	ug/l	0.01
Spiked Amount 50.000			Recovery	=	104.34%	
50) Toluene-d8	10.42	98	63445	56.18	ug/l	0.02
Spiked Amount 50.000			Recovery	=	112.36%	
62) 4-Bromofluorobenzene	13.56	95	25629	58.49	ug/l	0.01
Spiked Amount 50.000			Recovery	=	116.98%	

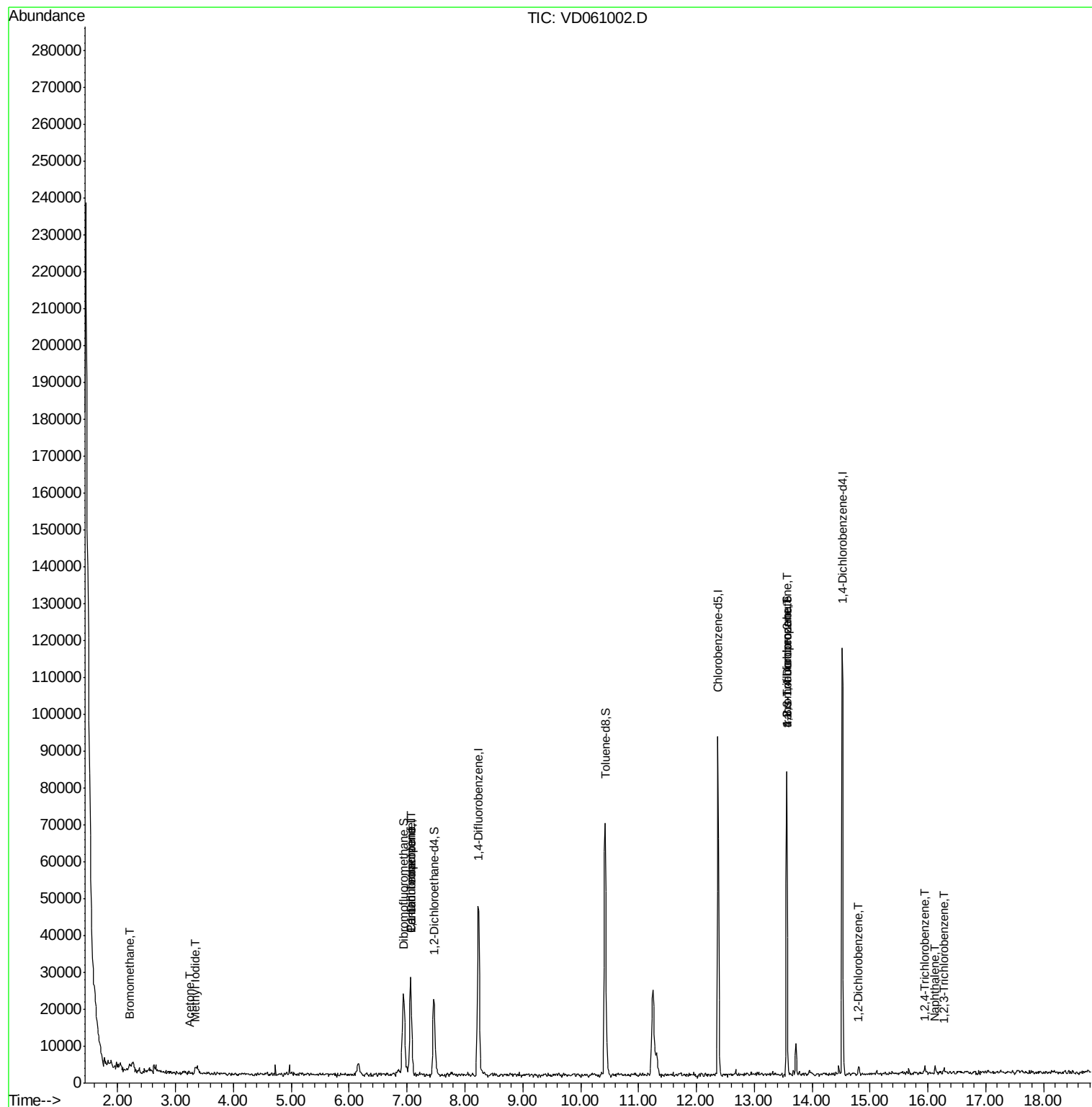
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.20	94	1547	35.803	ug/l #	63
10) Methyl Iodide	3.34	142	5435	13.000	ug/l #	88
16) Acetone	3.23	43	645	8.991	ug/l #	48
36) 1,1-Dichloropropene	7.07	75	1907	3.651	ug/l #	39
38) Carbon Tetrachloride	7.06	117	2588	4.498	ug/l #	11
76) 1,2,3-Trichloropropane	13.56	75	8187	19.312	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.56	75	8732	69.864	ug/l #	17
91) 1,2-Dichlorobenzene	14.81	146	926	1.147	ug/l #	67
93) 1,2,4-Trichlorobenzene	15.95	180	1073	2.866	ug/l	77
95) Naphthalene	16.12	128	2361	4.150	ug/l #	70
96) 1,2,3-Trichlorobenzene	16.28	180	691	3.737	ug/l #	71

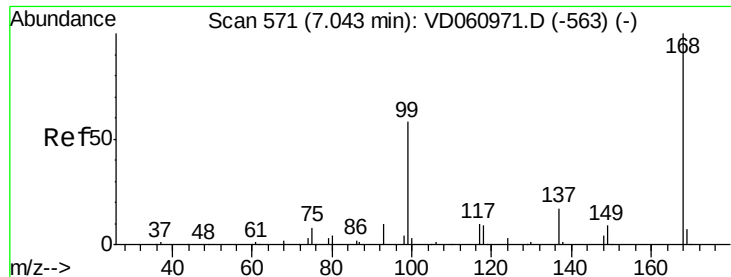
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD061002.D

Acq: 11 Mar 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

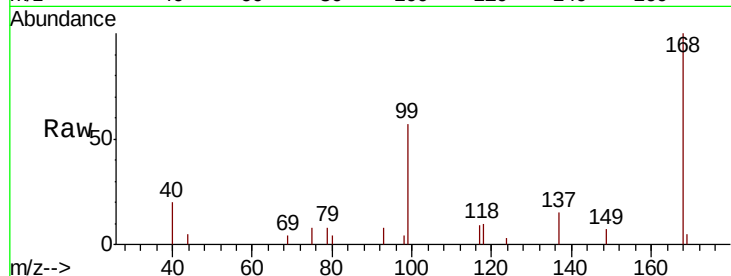
TP-18RE

Tot Ion:168 Resp: 30137

Ion Ratio Lower Upper

168 100

99 56.7 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

12000

10000

8000

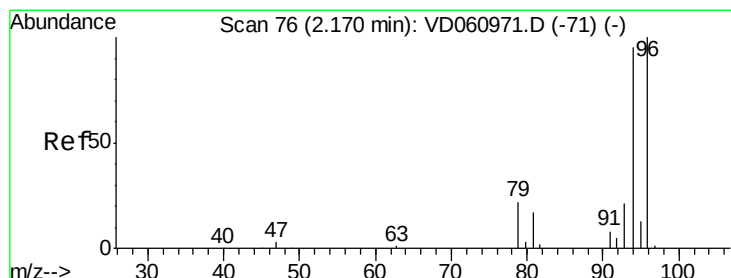
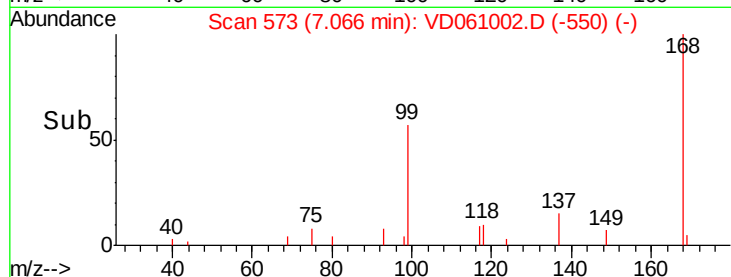
6000

4000

2000

0

Time-->



#5

Bromomethane

Concen: 35.803 ug/l

RT: 2.20 min Scan# 79

Delta R.T. 0.03 min

Lab File: VD061002.D

Acq: 11 Mar 2019 14:04

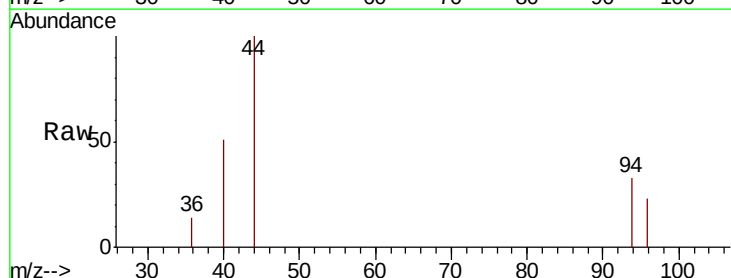
Tgt Ion: 94 Resp: 1547

Ion Ratio Lower Upper

94 100

96 69.3 84.0 126.0#

93 0.0 17.3 25.9#



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

1000

800

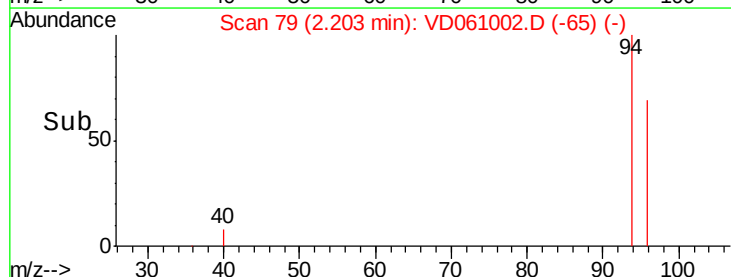
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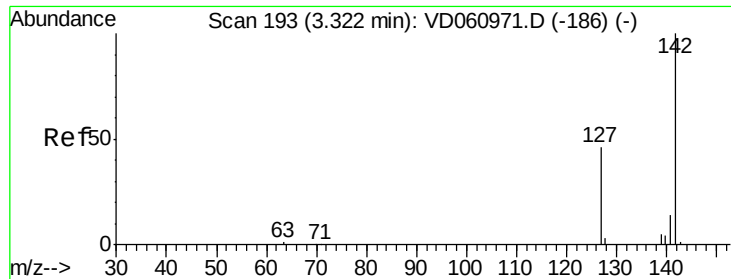
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200

0

Time-->

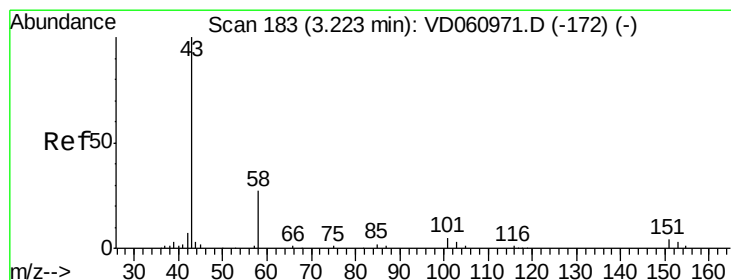
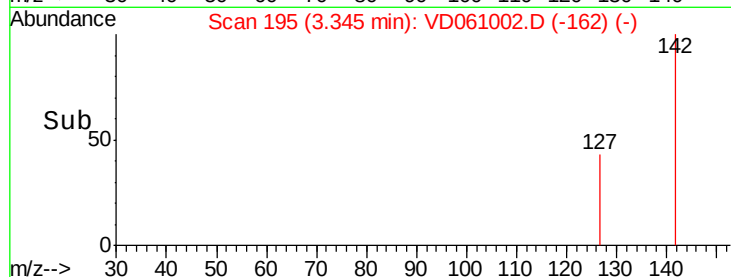
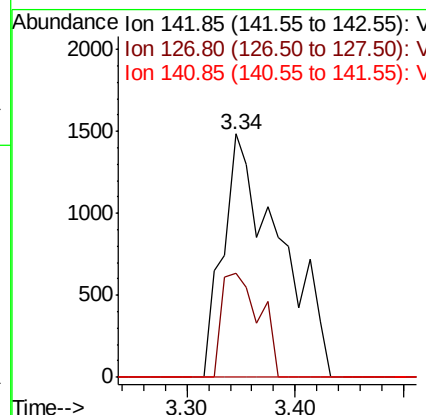
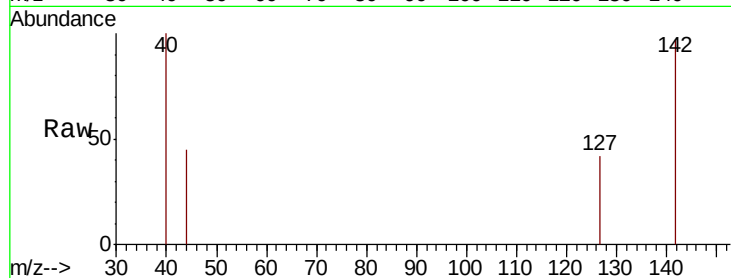




#10
Methvl Iodide
Concen: 13.000 ug/l
RT: 3.34 min Scan# 195
Delta R.T. 0.02 min
Lab File: VD061002.D
Acq: 11 Mar 2019 14:04

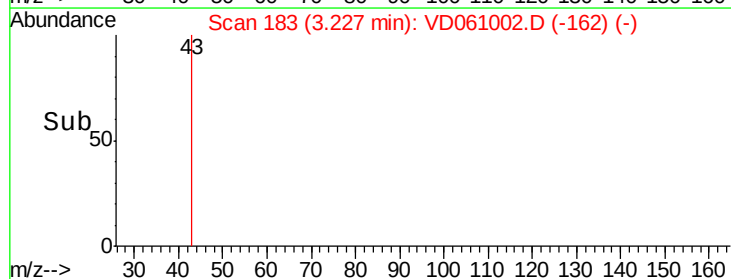
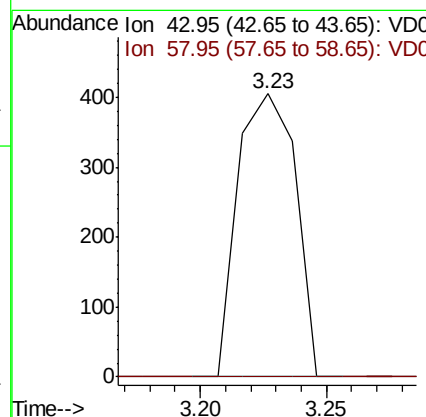
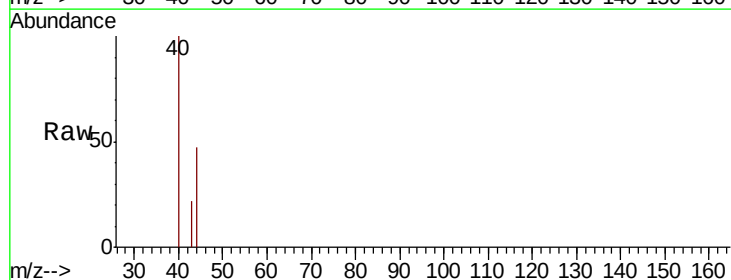
Instrument :
MSVOA_D
ClientSampleId :
TP-18RE

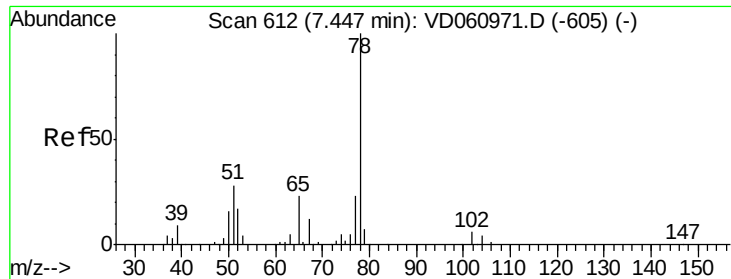
Tot Ion:142 Resp: 5435
Ion Ratio Lower Upper
142 100
127 42.7 36.8 55.2
141 0.0 11.2 16.8#



#16
Acetone
Concen: 8.991 ug/l
RT: 3.23 min Scan# 183
Delta R.T. 0.00 min
Lab File: VD061002.D
Acq: 11 Mar 2019 14:04

Tgt Ion: 43 Resp: 645
Ion Ratio Lower Upper
43 100
58 0.0 21.6 32.4#

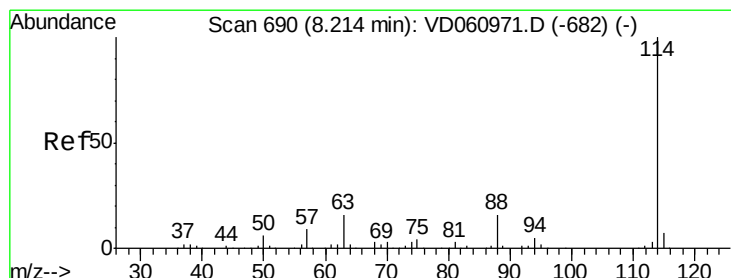
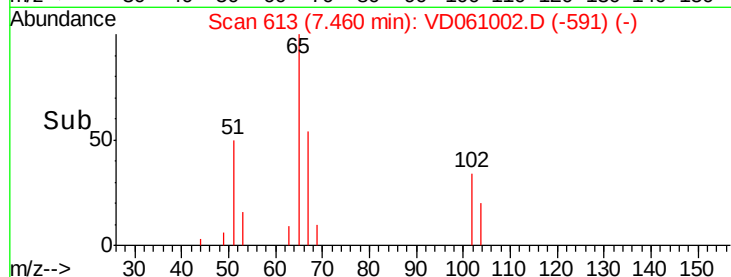
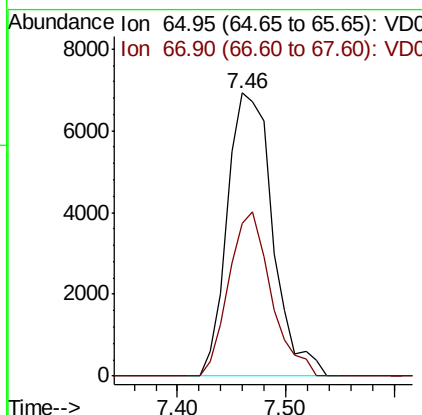
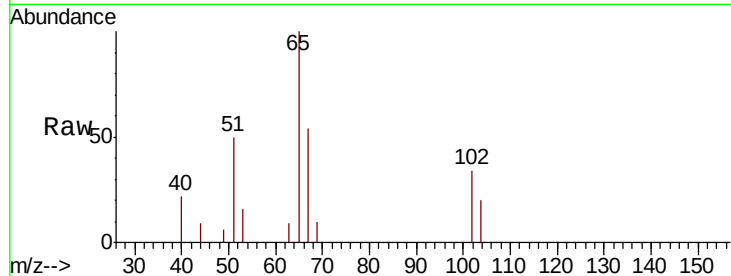




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VD061002.D
 Acq: 11 Mar 2019 14:04

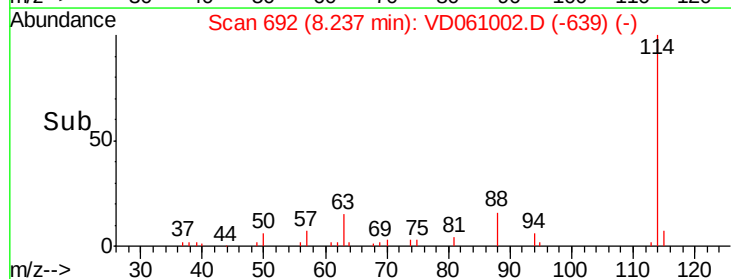
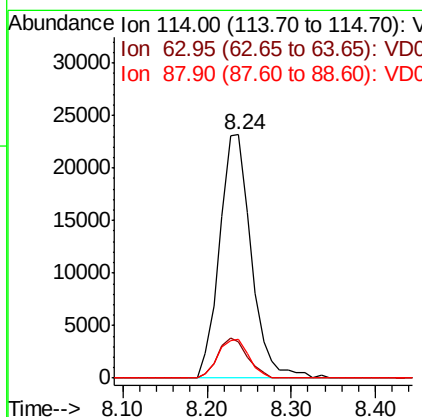
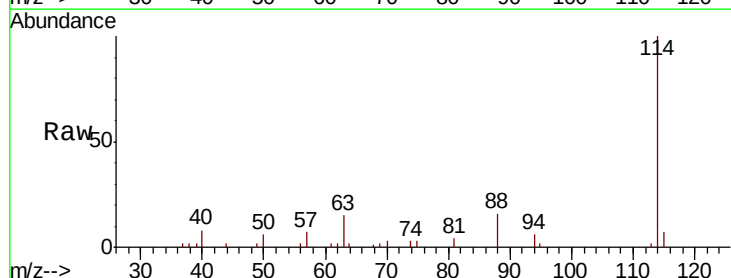
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-18RE

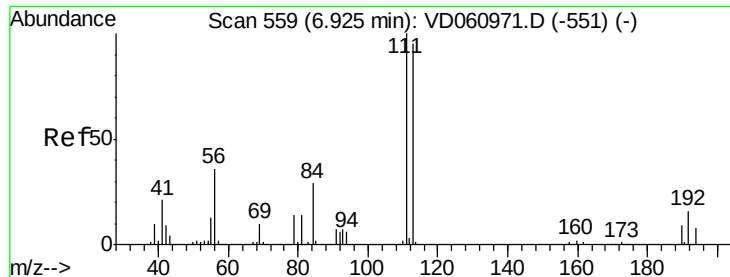
Tot Ion: 65 Resp: 20163
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.02 min
 Lab File: VD061002.D
 Acq: 11 Mar 2019 14:04

Tgt Ion: 114 Resp: 60596
 Ion Ratio Lower Upper
 114 100
 63 14.7 0.0 31.4
 88 16.0 0.0 33.0

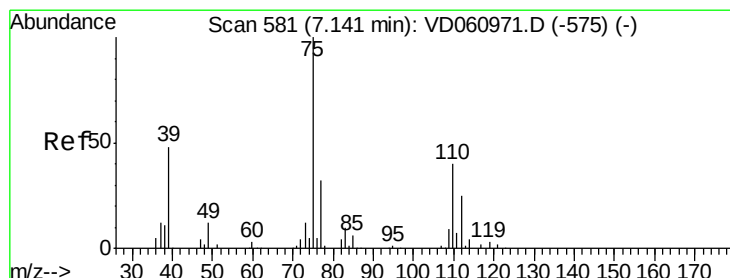
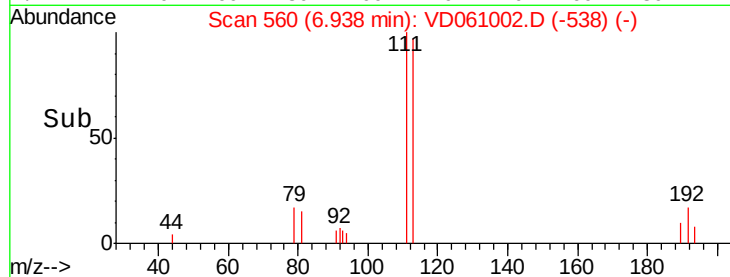
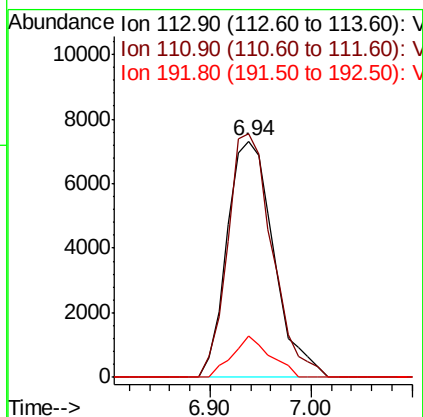
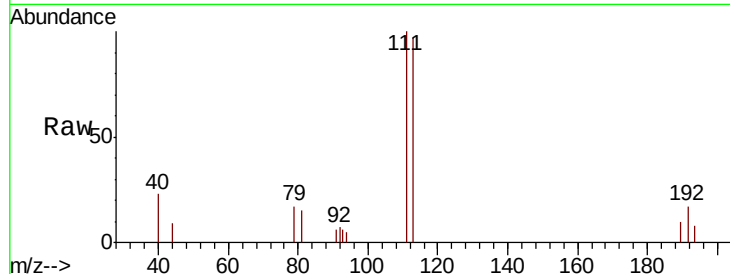




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD061002.D
 Acq: 11 Mar 2019 14:04

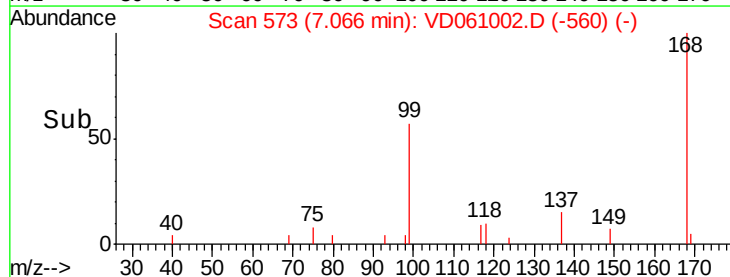
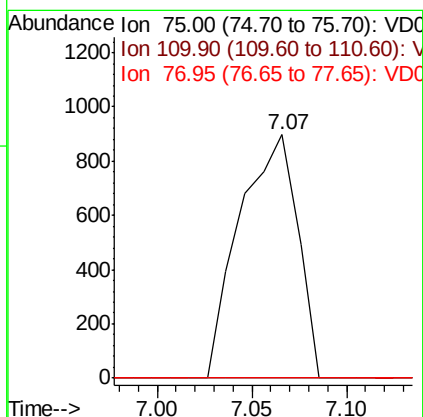
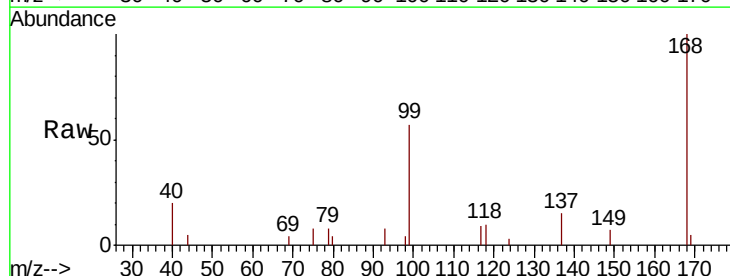
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-18RE

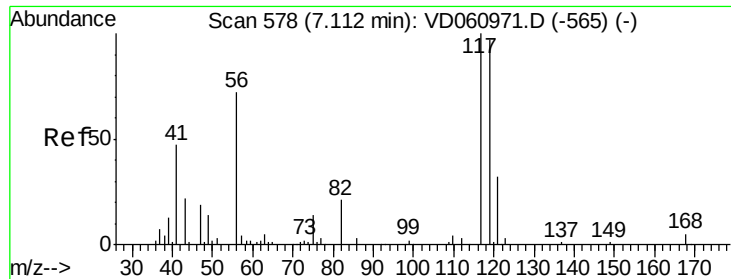
Tot Ion:113 Resp: 23461
 Ion Ratio Lower Upper
 113 100
 111 103.1 84.2 126.4
 192 17.6 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 3.651 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. -0.08 min
 Lab File: VD061002.D
 Acq: 11 Mar 2019 14:04

Tgt Ion: 75 Resp: 1907
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.7 59.1#
 77 0.0 24.7 37.1#

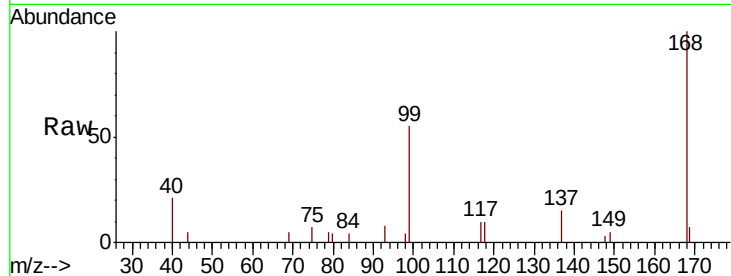




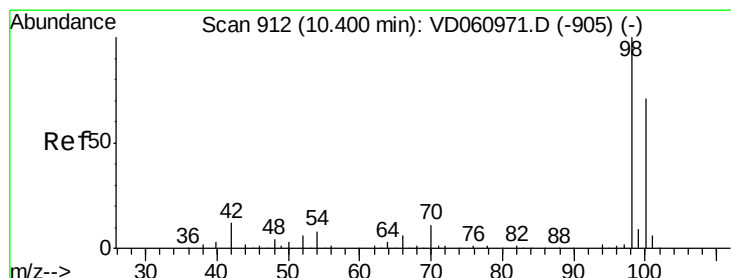
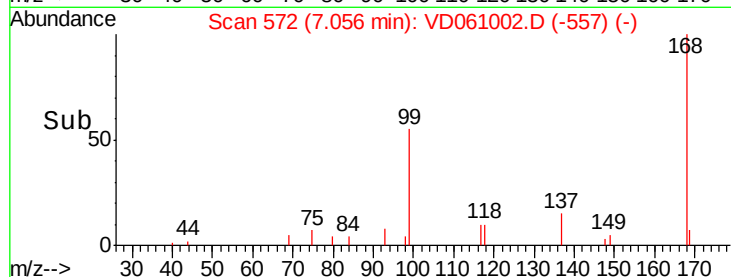
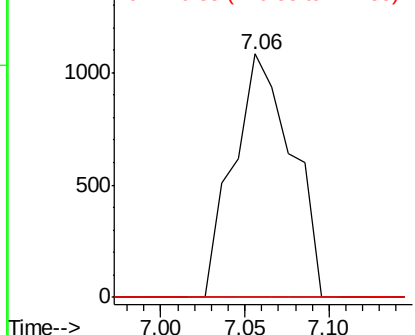
#38
Carbon Tetrachloride
Concen: 4.498 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.06 min
Lab File: VD061002.D
Acq: 11 Mar 2019 14:04

Instrument :
MSVOA_D
ClientSampled :
TP-18RE

Tot Ion:117 Resp: 2588
Ion Ratio Lower Upper
117 100
119 0.0 77.8 116.8#
121 0.0 25.3 37.9#

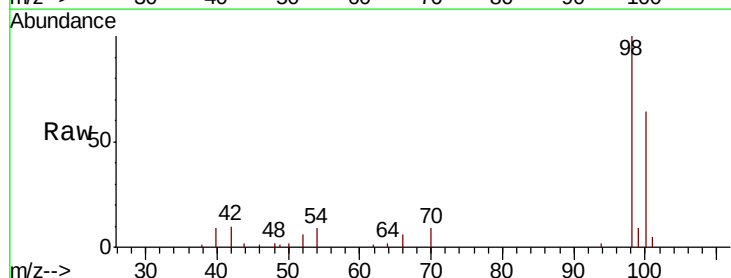


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

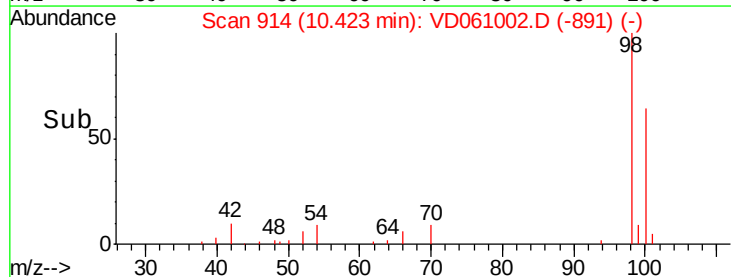
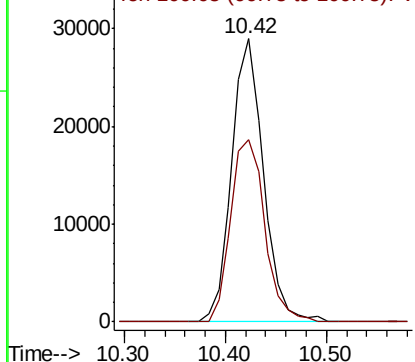


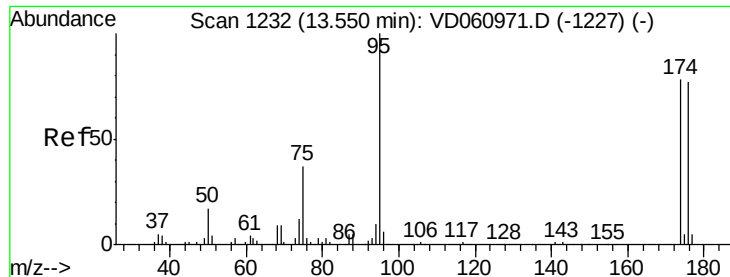
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD061002.D
Acq: 11 Mar 2019 14:04

Tgt Ion: 98 Resp: 63445
Ion Ratio Lower Upper
98 100
100 64.4 57.4 86.2



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

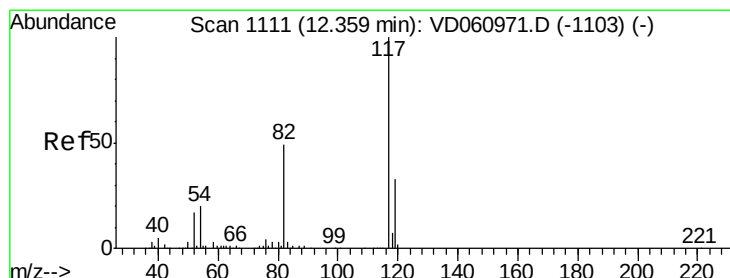
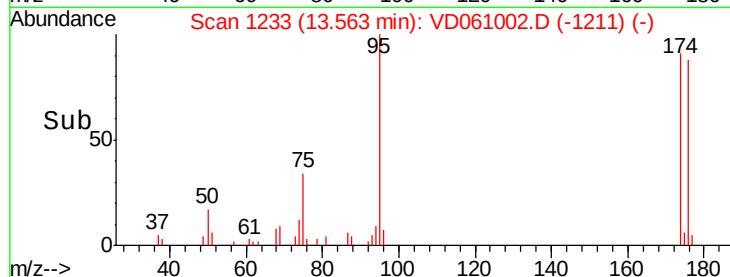
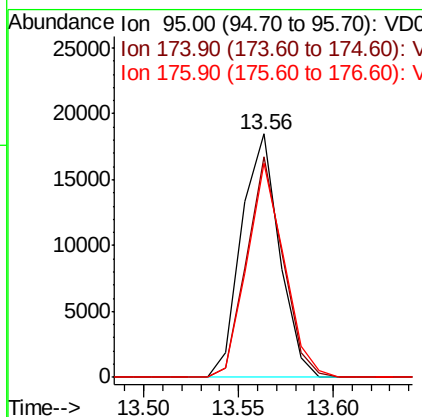
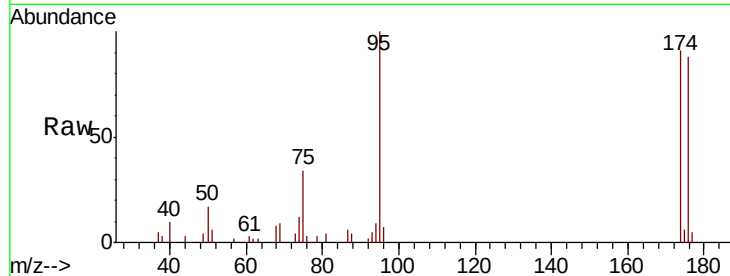




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061002.D
Acq: 11 Mar 2019 14:04

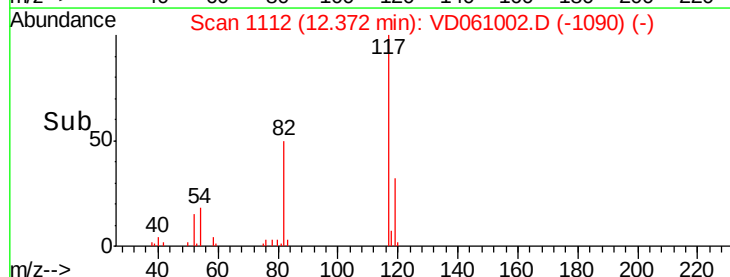
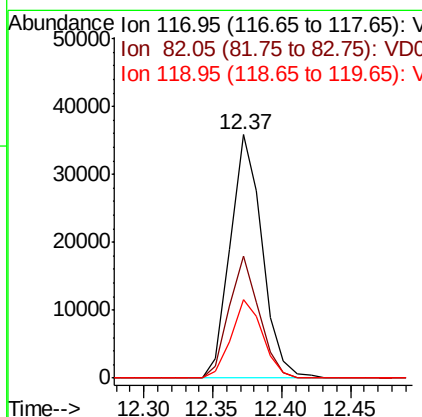
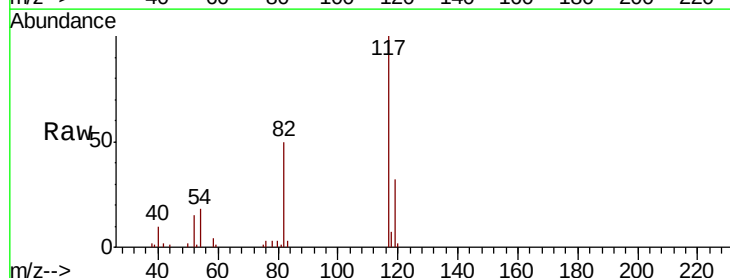
Instrument :
MSVOA_D
ClientSampleId :
TP-18RE

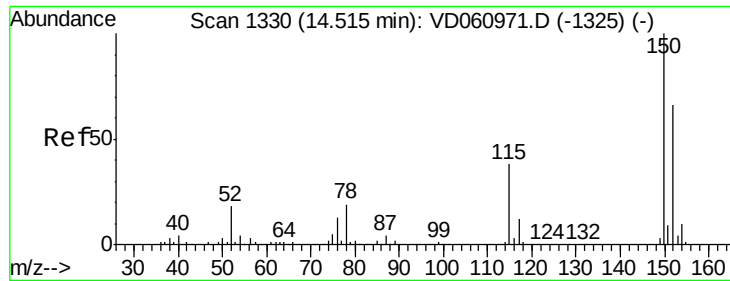
Tot Ion: 95 Resp: 25629
Ion Ratio Lower Upper
95 100
174 90.5 0.0 155.6
176 88.1 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061002.D
Acq: 11 Mar 2019 14:04

Tgt Ion: 117 Resp: 57683
Ion Ratio Lower Upper
117 100
82 50.0 38.9 58.3
119 32.5 26.6 39.8



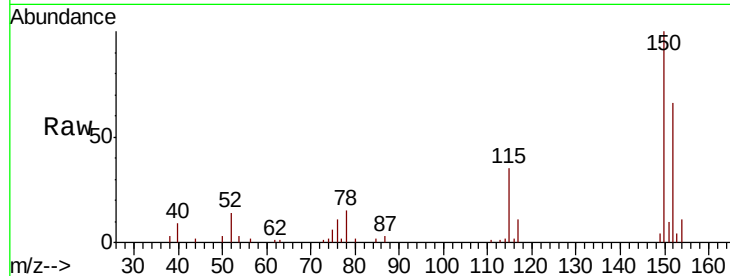


#72

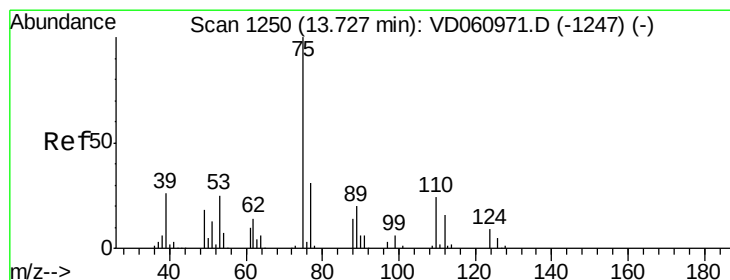
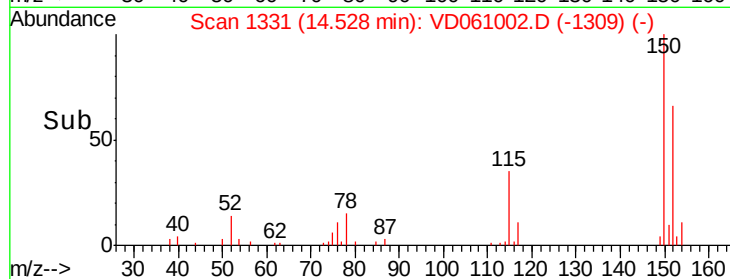
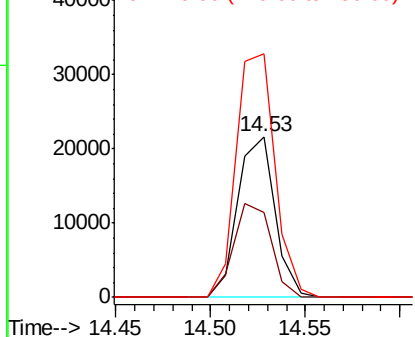
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061002.D
Acq: 11 Mar 2019 14:04

Instrument :
MSVOA_D
ClientSampleId :
TP-18RE

Tot Ion:152 Resp: 29467
Ion Ratio Lower Upper
152 100
115 52.8 28.6 85.9
150 151.7 0.0 310.6



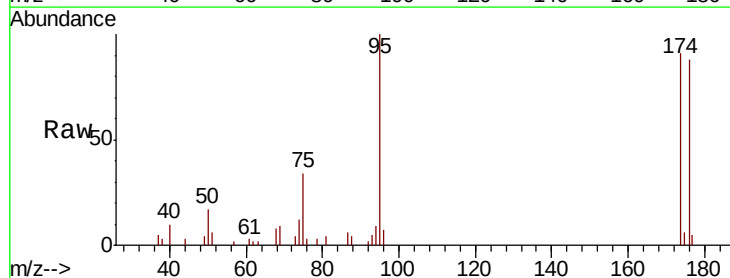
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



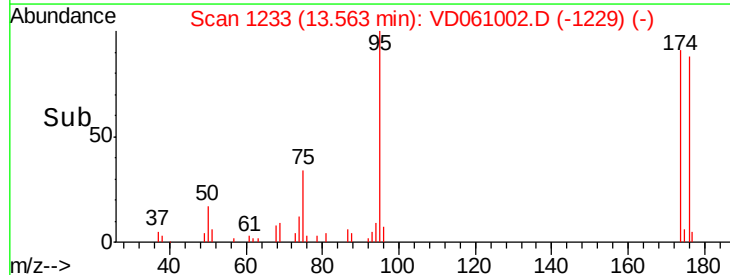
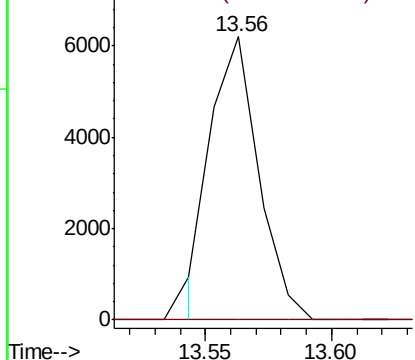
#76

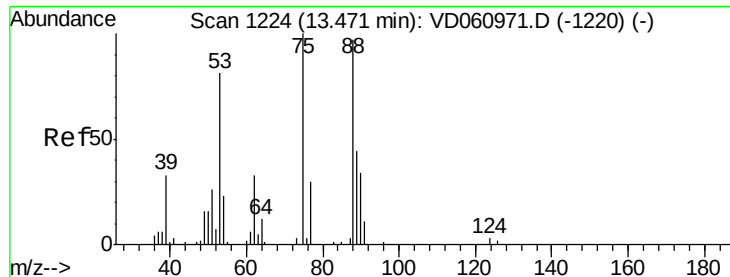
1,2,3-Trichloropropane
Concen: 19.312 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.16 min
Lab File: VD061002.D
Acq: 11 Mar 2019 14:04

Tgt Ion: 75 Resp: 8187
Ion Ratio Lower Upper
75 100
77 0.0 16.6 49.7#



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: 69.864 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061002.D

Acq: 11 Mar 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

TP-18RE

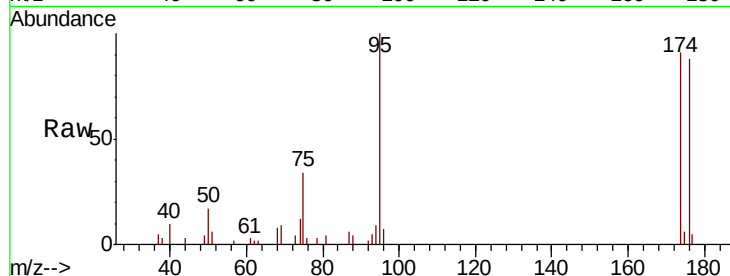
Tot Ion: 75 Resp: 8732

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#



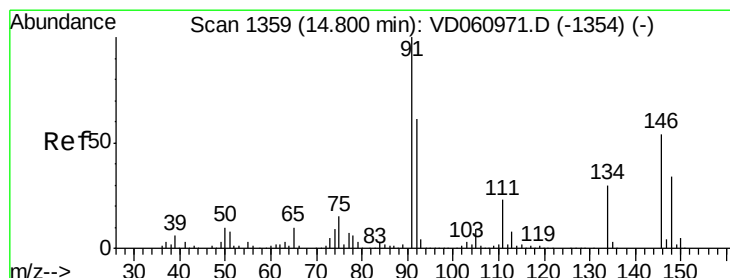
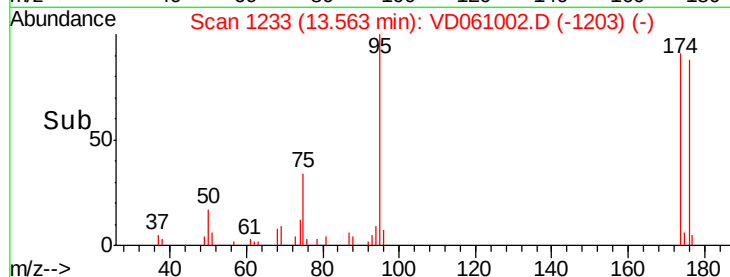
Abundance Ion 75.00 (74.70 to 75.70): VD061002.D (-1203) (-)

Ion 53.00 (52.70 to 53.70): VD061002.D (-1203) (-)

Ion 89.00 (88.70 to 89.70): VD061002.D (-1203) (-)

13.56

Time-->



#91

1,2-Dichlorobenzene

Concen: 1.147 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VD061002.D

Acq: 11 Mar 2019 14:04

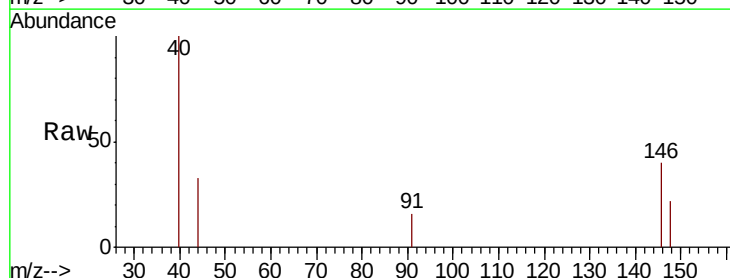
Tgt Ion: 146 Resp: 926

Ion Ratio Lower Upper

146 100

111 0.0 21.5 64.5#

148 54.8 30.9 92.8



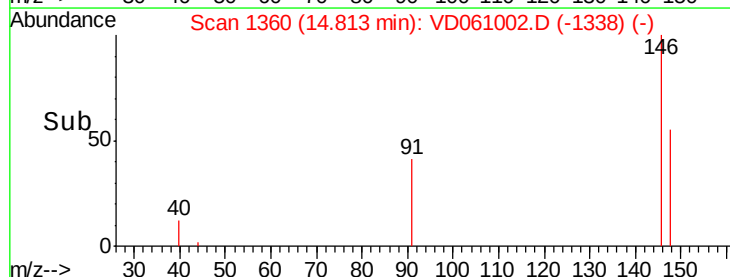
Abundance Ion 145.95 (145.65 to 146.65): VD061002.D (-1338) (-)

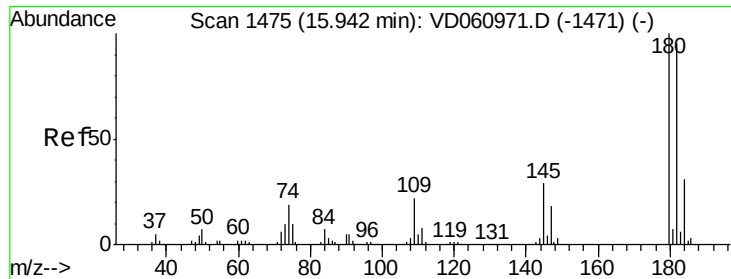
Ion 110.90 (110.60 to 111.60): VD061002.D (-1338) (-)

Ion 147.90 (147.60 to 148.60): VD061002.D (-1338) (-)

14.81

Time-->

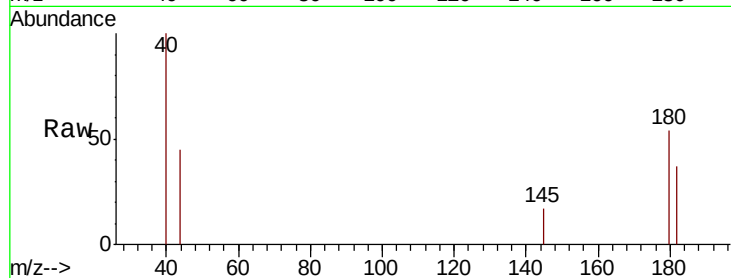




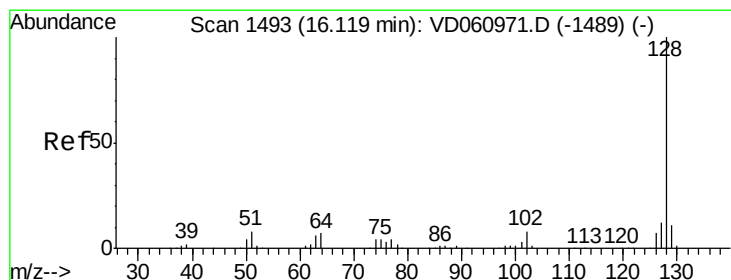
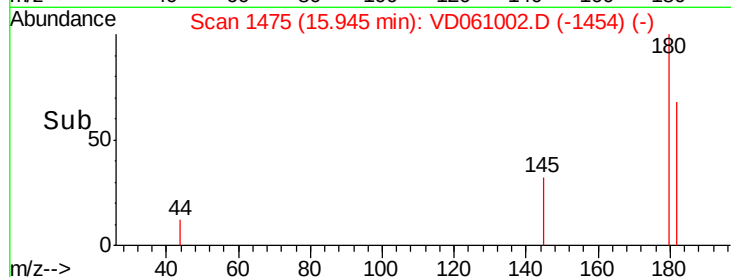
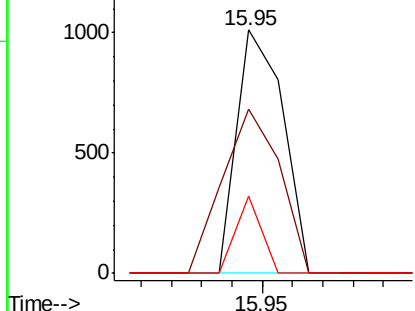
#93
 1,2,4-Trichlorobenzene
 Concen: 2.866 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061002.D
 Acq: 11 Mar 2019 14:04

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-18RE

Tot Ion:180 Resp: 1073
 Ion Ratio Lower Upper
 180 100
 182 67.6 47.3 142.0
 145 31.5 14.4 43.0

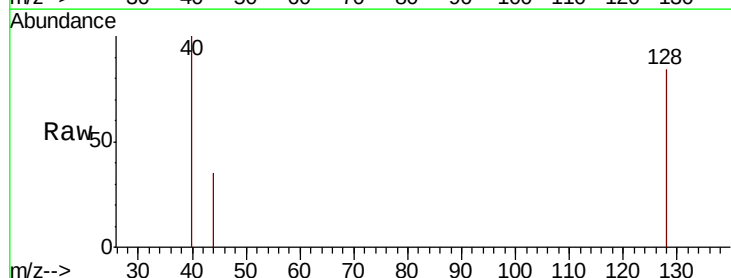


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

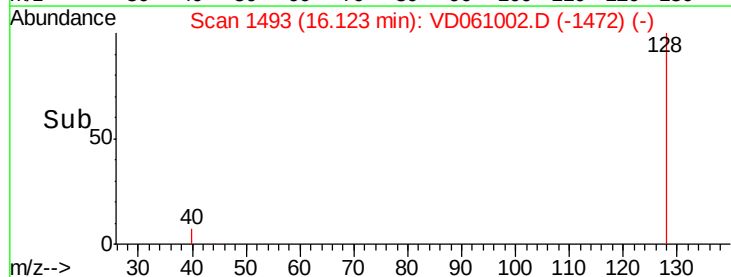
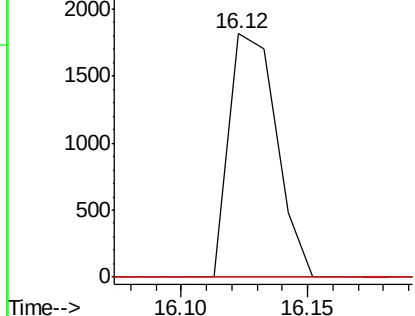


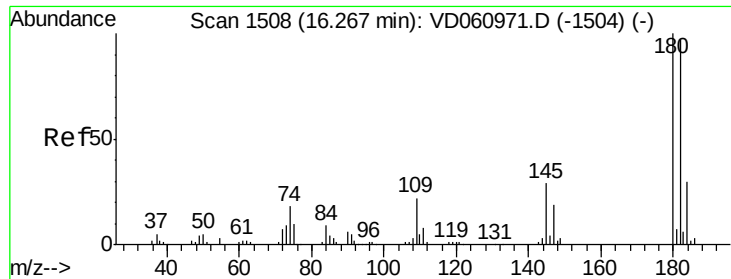
#95
 Naphthalene
 Concen: 4.150 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: VD061002.D
 Acq: 11 Mar 2019 14:04

Tgt Ion:128 Resp: 2361
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.8 14.8#
 129 0.0 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 3.737 ug/l

RT: 16.28 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VD061002.D

Acq: 11 Mar 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

TP-18RE

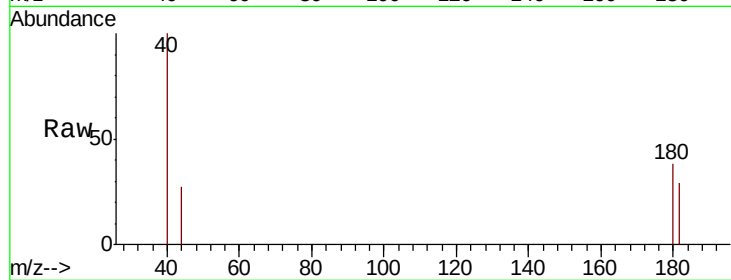
Tot Ion:180 Resp: 691

Ion Ratio Lower Upper

180 100

182 75.2 48.6 145.8

145 0.0 14.3 42.9#



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

1000

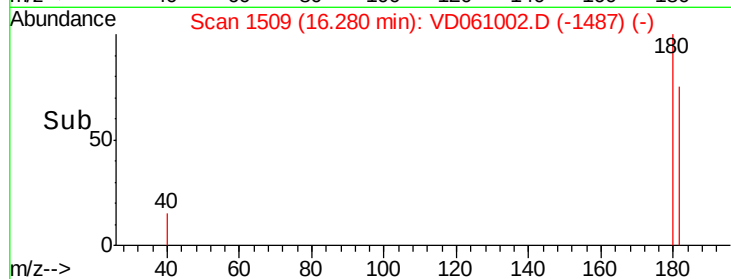
800

600

400

200

0



Time-->

16.25

16.30