

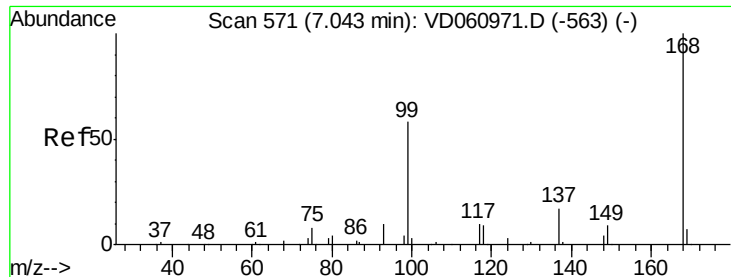
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031119\
 Data File : VD061012.D
 Acq On : 11 Mar 2019 18:55
 Operator : VA/AP
 Sample : K1807-45RE
 Misc : 5.06g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-23RE

Quant Time: Mar 12 05:44:12 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	649203	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	1294974	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	1134528	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	476937	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	372129	68.86	ug/l	0.02
Spiked Amount 50.000			Recovery	=	137.72%	
35) Dibromofluoromethane	6.94	113	561270	58.40	ug/l	0.02
Spiked Amount 50.000			Recovery	=	116.80%	
50) Toluene-d8	10.43	98	1285515	53.27	ug/l	0.03
Spiked Amount 50.000			Recovery	=	106.54%	
62) 4-Bromofluorobenzene	13.57	95	492081	52.55	ug/l	0.02
Spiked Amount 50.000			Recovery	=	105.10%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.01	59	1861	5.410	ug/l #	75
20) Methylene Chloride	3.83	84	12321	Below Cal		95
31) Cyclohexane	7.06	56	11707	1.224	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	48101	4.309	ug/l #	47
38) Carbon Tetrachloride	7.06	117	63558	5.169	ug/l #	15
51) 4-Methyl-2-Pentanone	10.43	43	5761	1.296	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	161379	23.519	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	183612	90.765	ug/l #	17

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD061012.D

Acq: 11 Mar 2019 18:55

Instrument :

MSVOA_D

ClientSampleId :

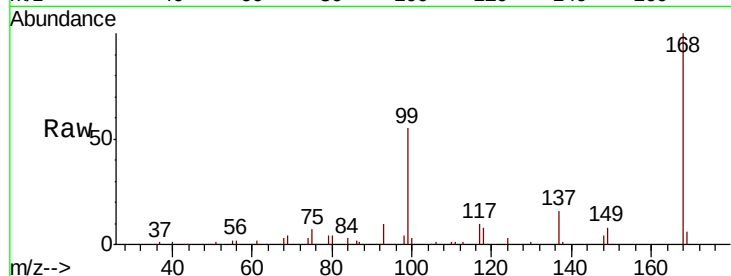
TP-23RE

Tot Ion:168 Resp: 649203

Ion Ratio Lower Upper

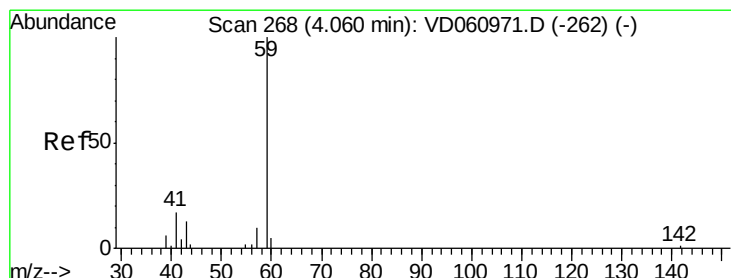
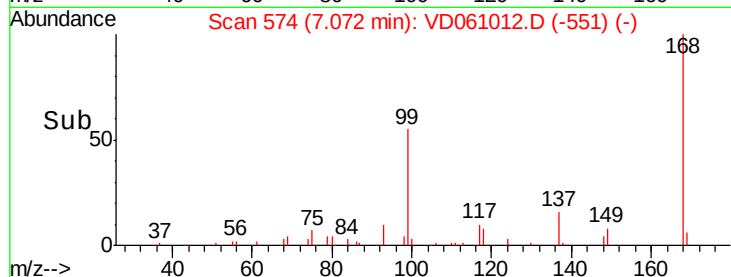
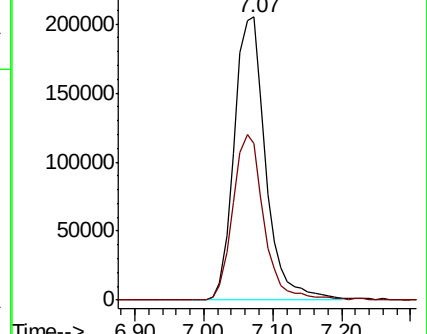
168 100

99 55.3 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: 5.410 ug/l

RT: 4.01 min Scan# 263

Delta R.T. -0.05 min

Lab File: VD061012.D

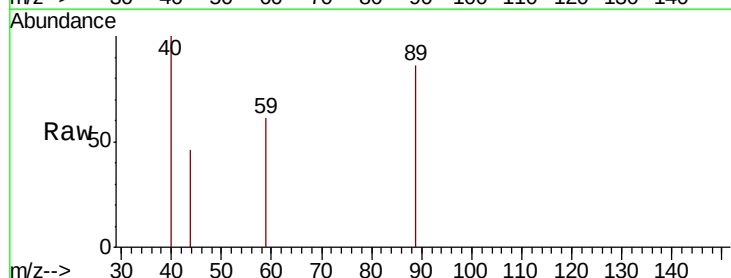
Acq: 11 Mar 2019 18:55

Tgt Ion: 59 Resp: 1861

Ion Ratio Lower Upper

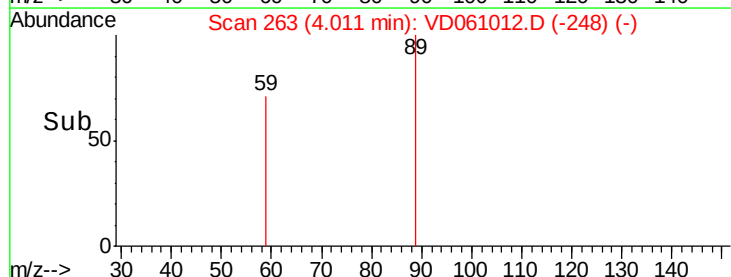
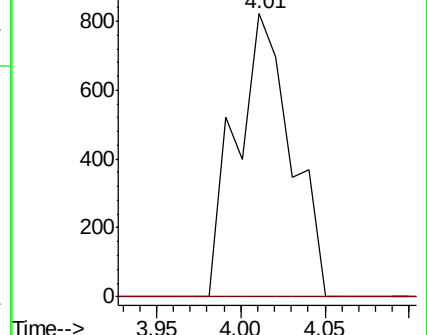
59 100

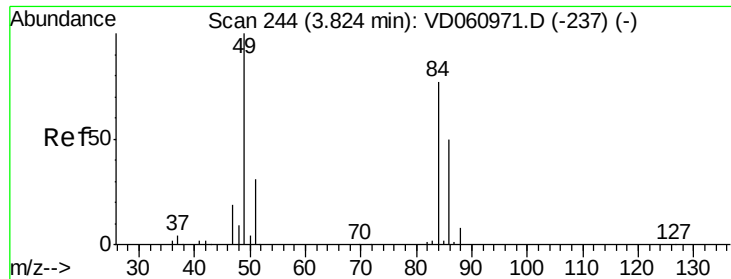
57 0.0 7.1 10.7#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

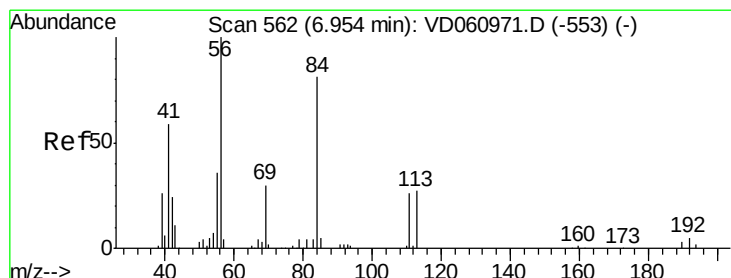
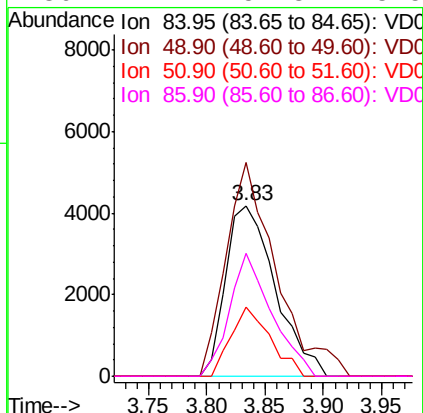
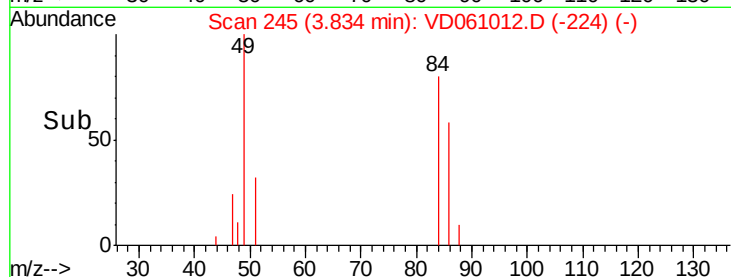
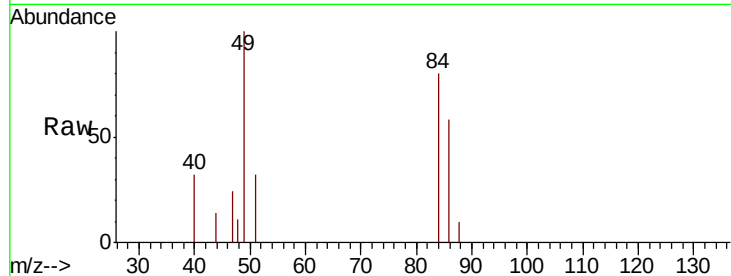




#20
Methylene Chloride
Concen: Below Cal
RT: 3.83 min Scan# 245
Delta R.T. 0.01 min
Lab File: VD061012.D
Acq: 11 Mar 2019 18:55

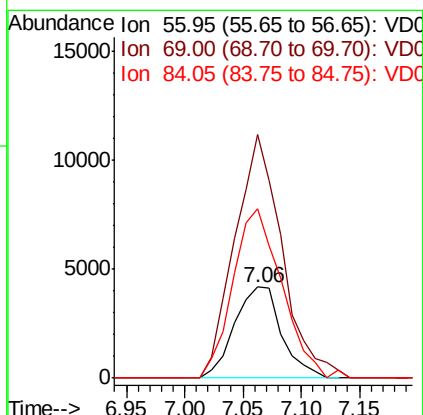
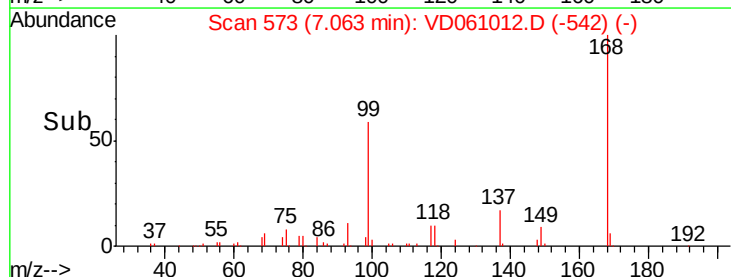
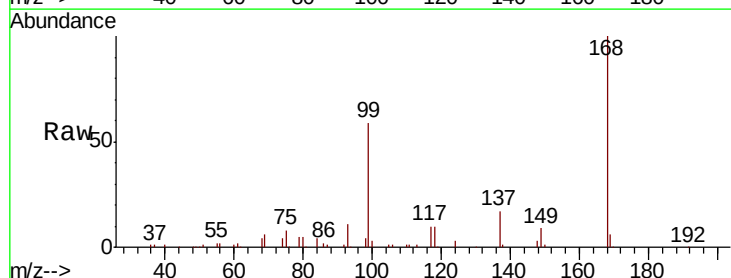
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MSVOA_D
ClientSampleId :
TP-23RE

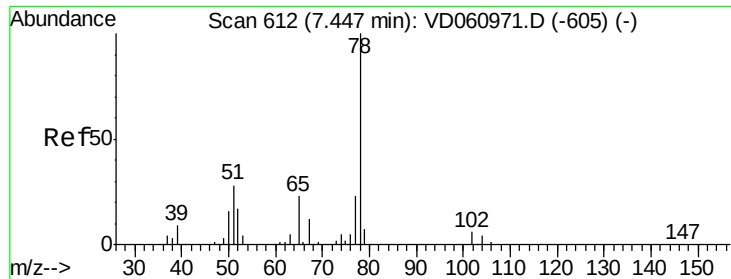
Tot Ion:	84	Resp:	12321
Ion	Ratio	Lower	Upper
84	100		
49	125.4	104.2	156.2
51	40.6	32.3	48.5
86	72.2	52.3	78.5



#31
Cyclohexane
Concen: 1.224 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.11 min
Lab File: VD061012.D
Acq: 11 Mar 2019 18:55

Tgt Ion:	56	Resp:	11707
Ion	Ratio	Lower	Upper
56	100		
69	267.9	24.0	36.0#
84	185.7	65.8	98.6#

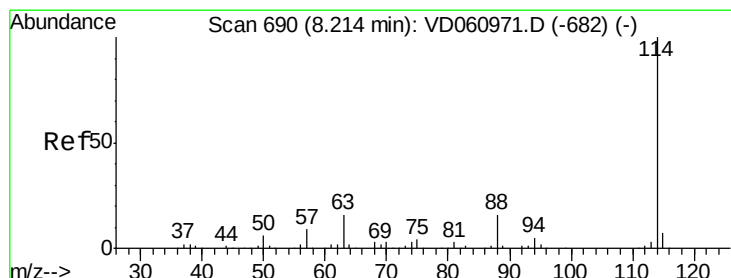
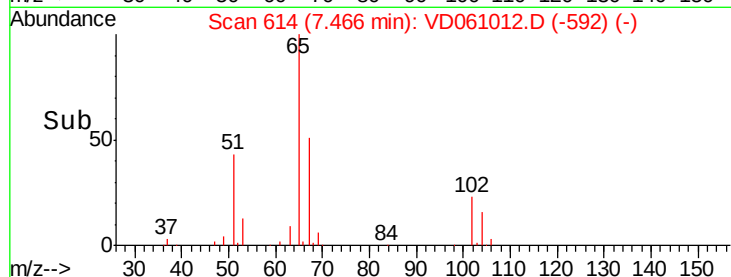
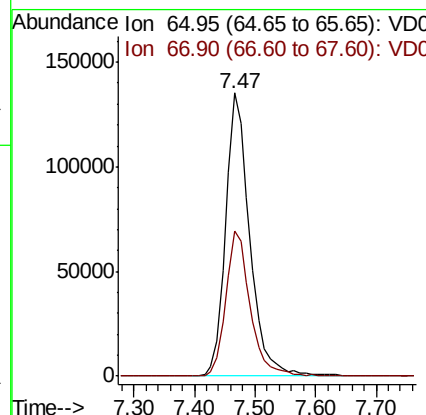
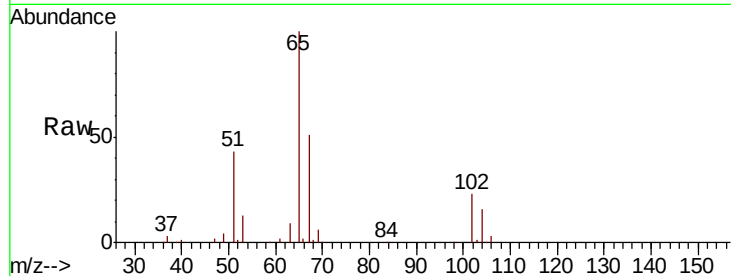




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.02 min
 Lab File: VD061012.D
 Acq: 11 Mar 2019 18:55

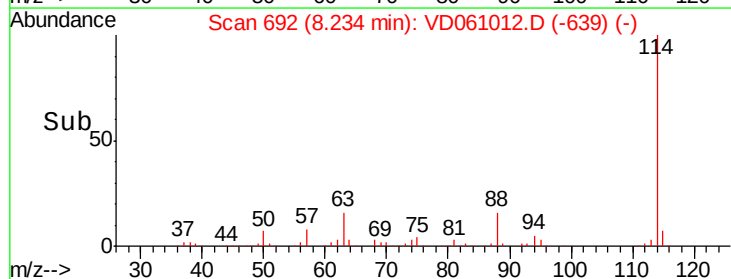
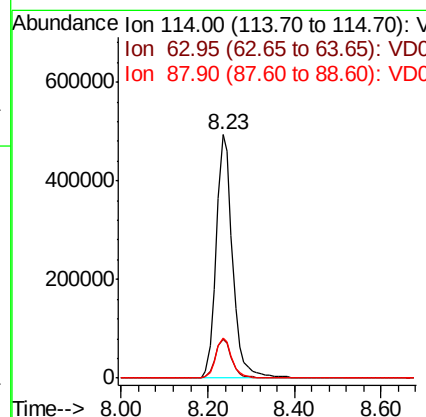
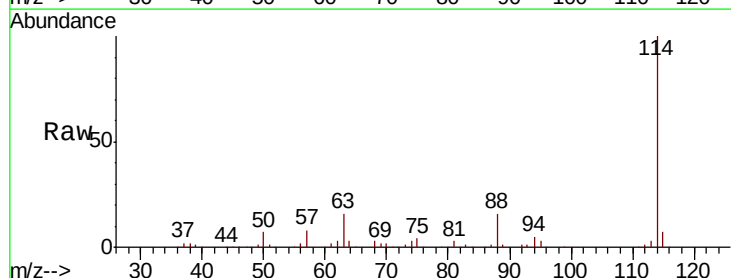
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-23RE

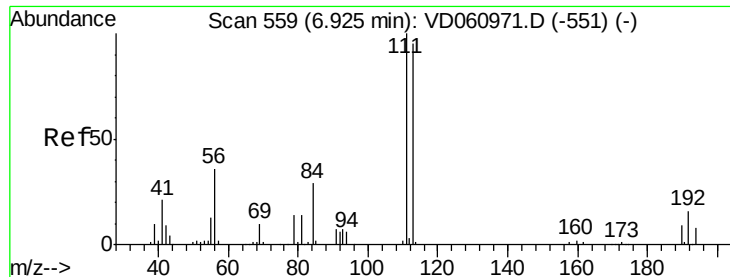
Tot Ion: 65 Resp: 372129
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.02 min
 Lab File: VD061012.D
 Acq: 11 Mar 2019 18:55

Tgt Ion: 114 Resp: 1294974
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 31.4
 88 16.4 0.0 33.0

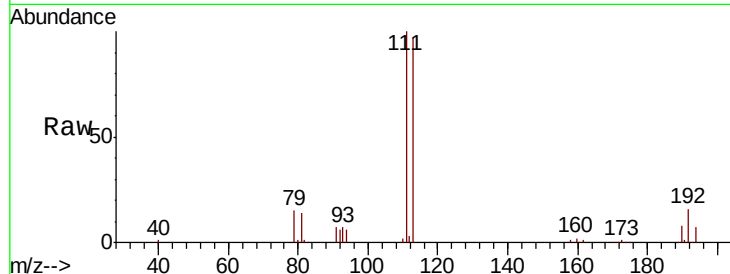




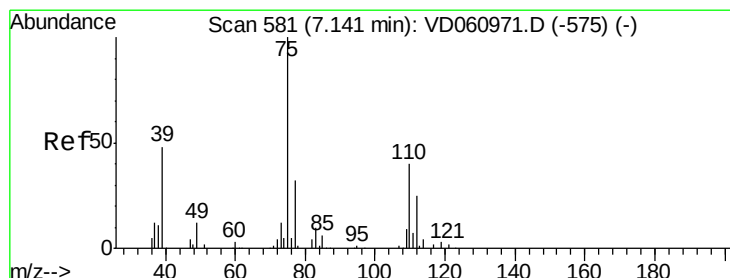
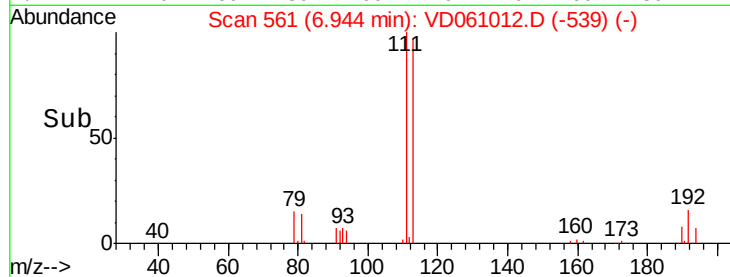
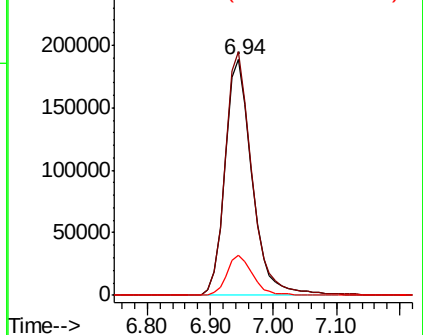
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.02 min
 Lab File: VD061012.D
 Acq: 11 Mar 2019 18:55

Instrument :
 MSVOA_D
 ClientSampled :
 TP-23RE

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	84.2	126.4
192	17.0	13.1	19.7

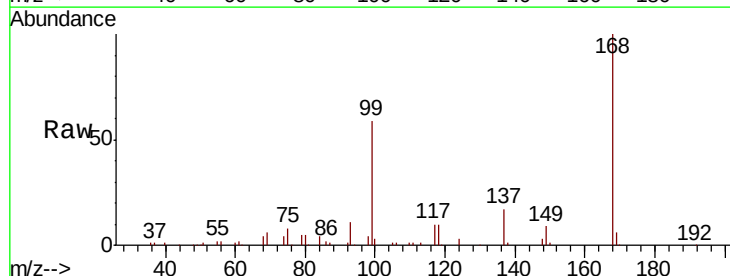


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

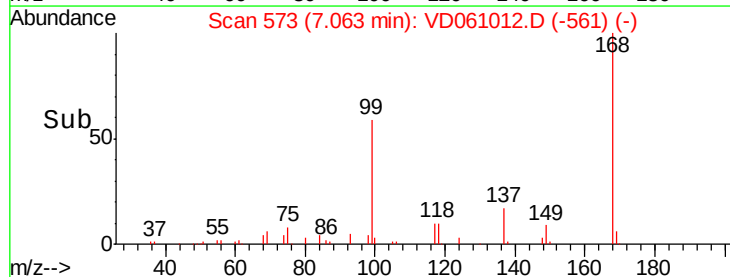
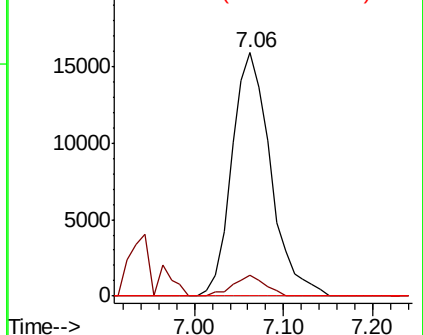


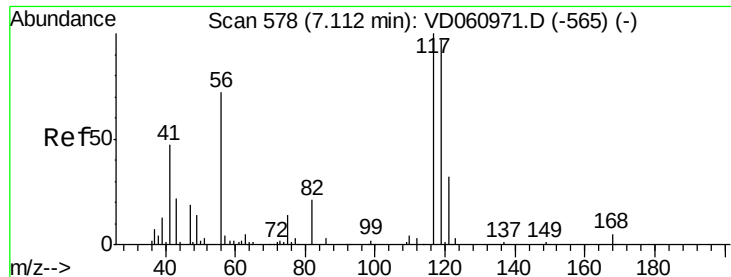
#36
 1,1-Dichloropropene
 Concen: 4.309 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.08 min
 Lab File: VD061012.D
 Acq: 11 Mar 2019 18:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	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

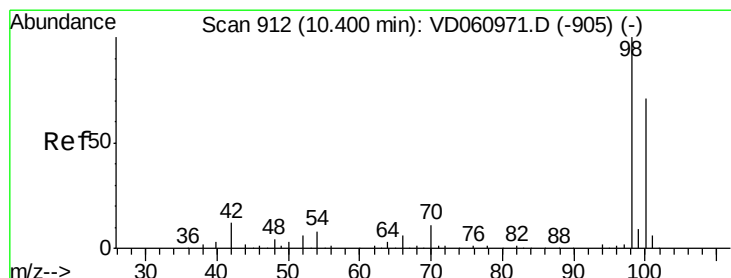
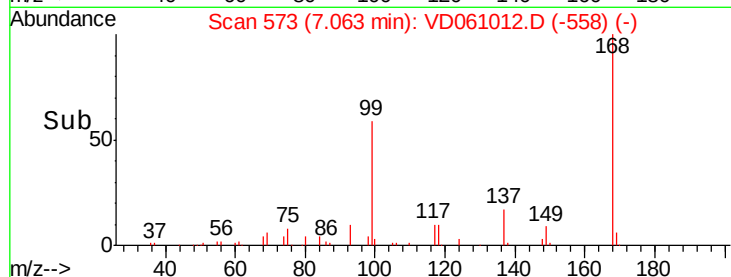
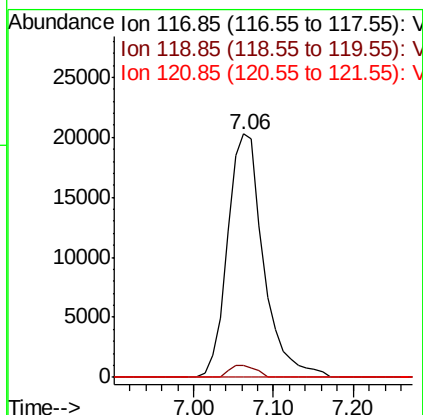
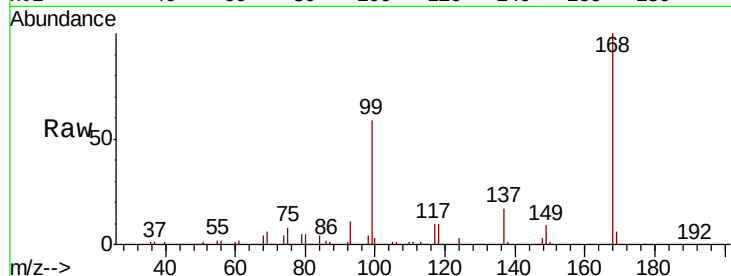




#38
Carbon Tetrachloride
Concen: 5.169 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.05 min
Lab File: VD061012.D
Acq: 11 Mar 2019 18:55

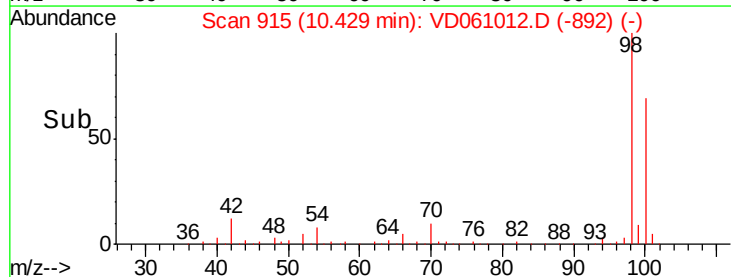
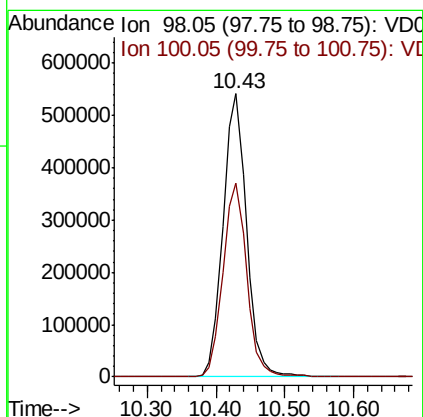
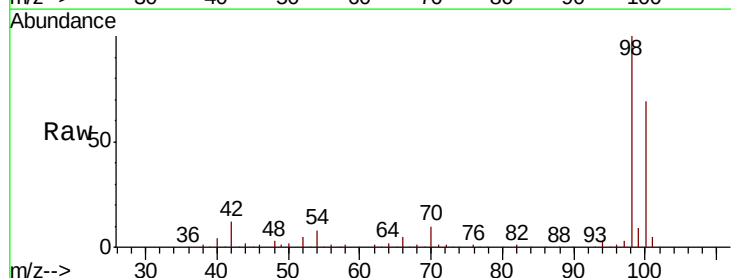
Instrument :
MSVOA_D
ClientSampleId :
TP-23RE

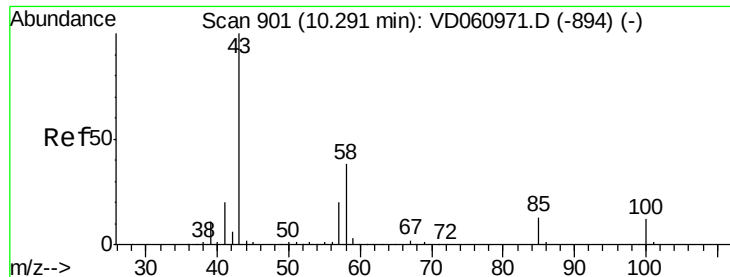
Tot Ion:117 Resp: 63558
Ion Ratio Lower Upper
117 100
119 5.0 77.8 116.8#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD061012.D
Acq: 11 Mar 2019 18:55

Tgt Ion: 98 Resp: 1285515
Ion Ratio Lower Upper
98 100
100 68.5 57.4 86.2





#51

4-Methyl-2-Pentanone

Concen: 1.296 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.14 min

Lab File: VD061012.D

Acq: 11 Mar 2019 18:55

Instrument :

MSVOA_D

ClientSampleId :

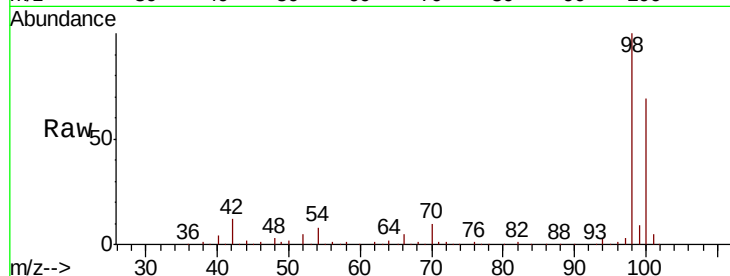
TP-23RE

Tot Ion: 43 Resp: 5761

Ion Ratio Lower Upper

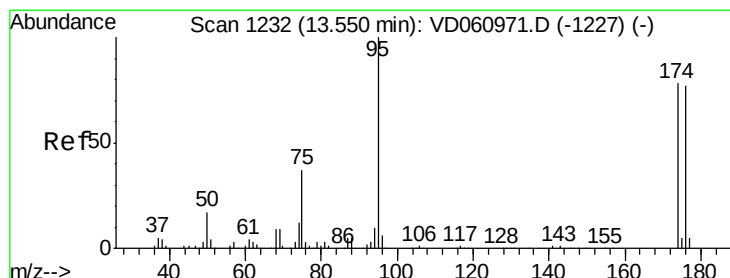
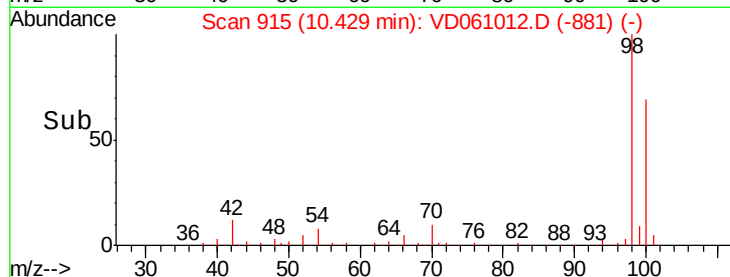
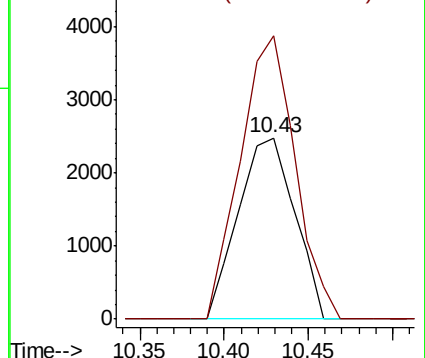
43 100

58 155.9 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# 1234

Delta R.T. 0.02 min

Lab File: VD061012.D

Acq: 11 Mar 2019 18:55

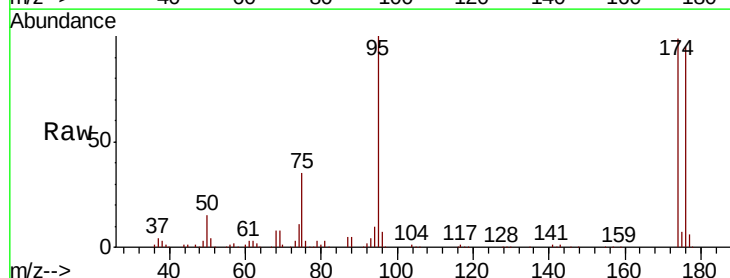
Tgt Ion: 95 Resp: 492081

Ion Ratio Lower Upper

95 100

174 99.0 0.0 155.6

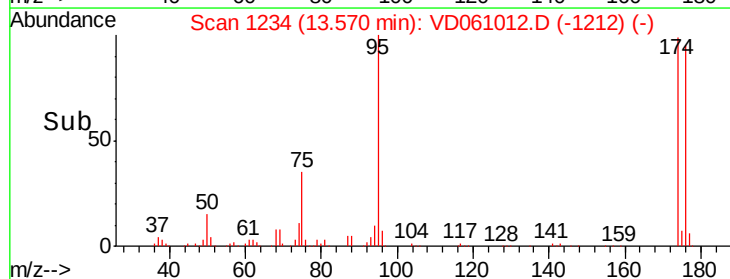
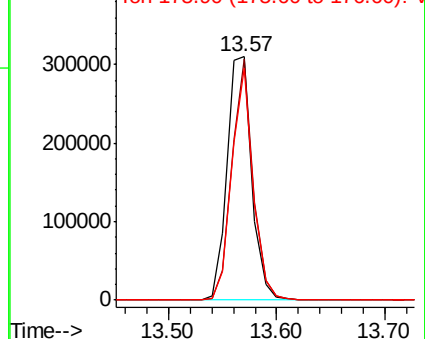
176 95.1 0.0 153.8

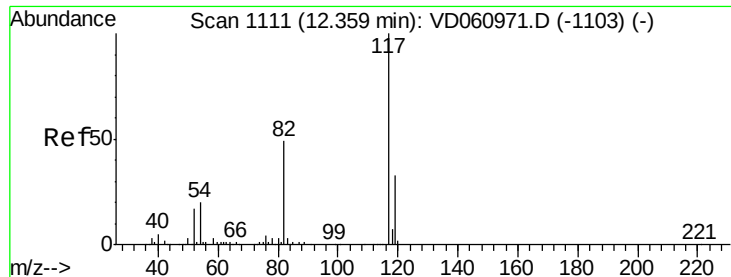


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

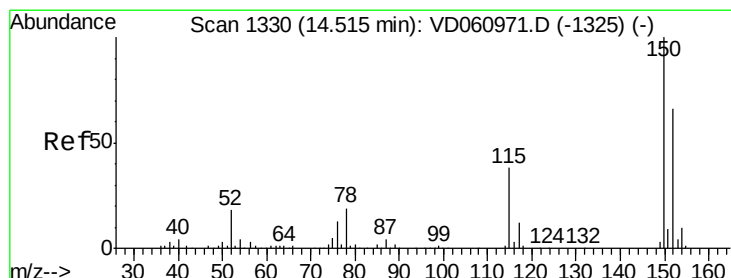
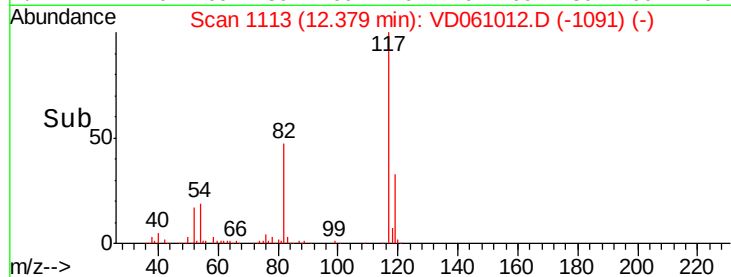
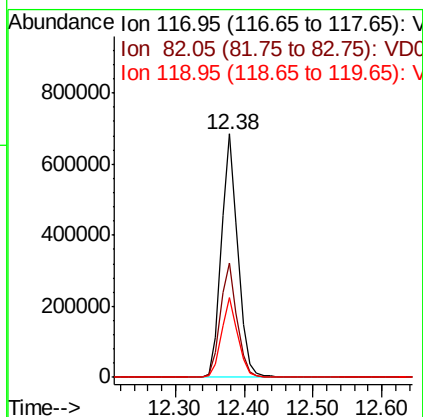
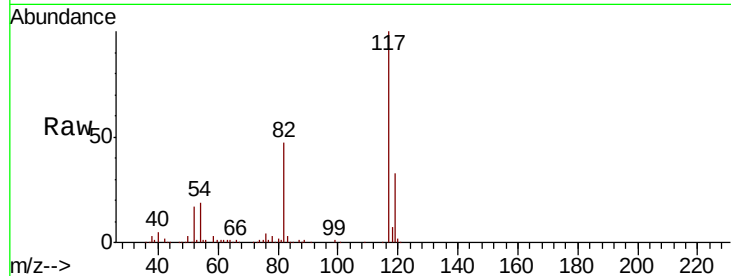




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061012.D
Acq: 11 Mar 2019 18:55

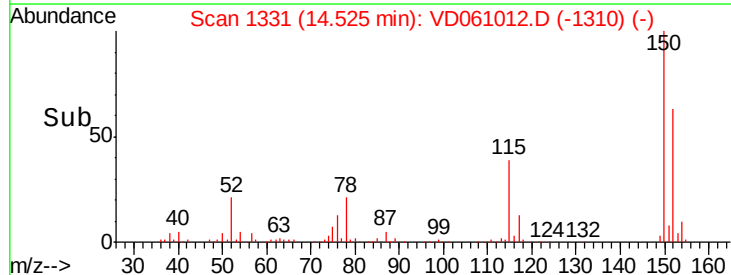
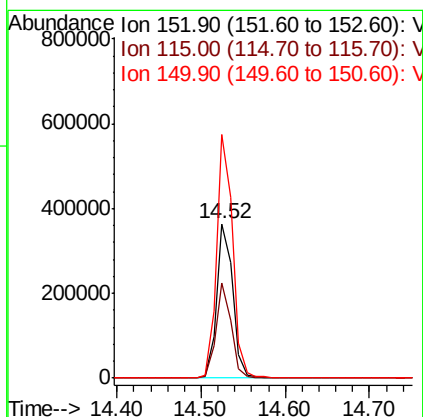
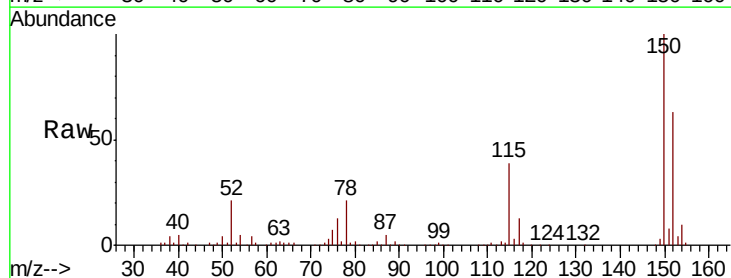
Instrument :
MSVOA_D
ClientSampleId :
TP-23RE

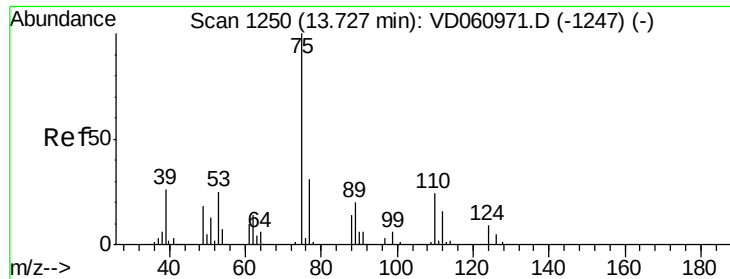
Tot Ion:117 Resp: 1134528
Ion Ratio Lower Upper
117 100
82 47.0 38.9 58.3
119 32.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061012.D
Acq: 11 Mar 2019 18:55

Tgt Ion:152 Resp: 476937
Ion Ratio Lower Upper
152 100
115 61.8 28.6 85.9
150 157.5 0.0 310.6





#76

1,2,3-Trichloropropane

Concen: 23.519 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD061012.D

Acq: 11 Mar 2019 18:55

Instrument :

MSVOA_D

ClientSampleId :

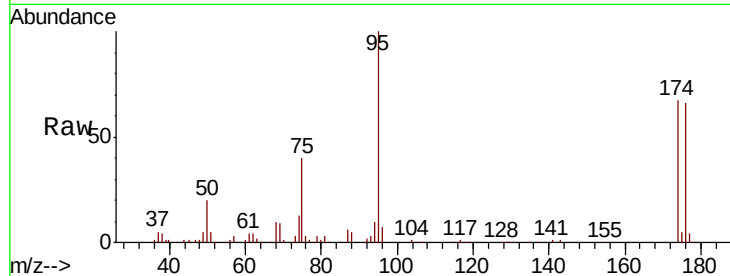
TP-23RE

Tot Ion: 75 Resp: 161379

Ion Ratio Lower Upper

75 100

77 1.5 16.6 49.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

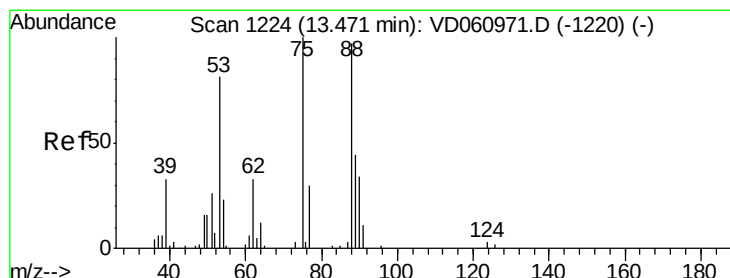
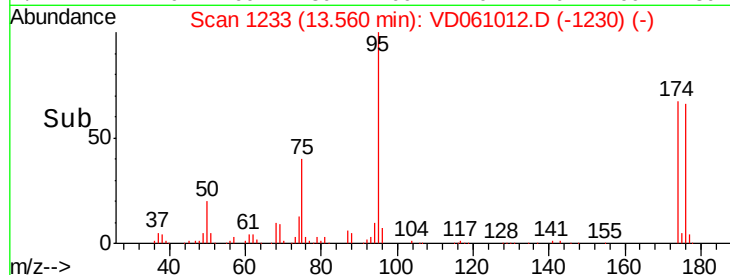
13.56

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 90.765 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061012.D

Acq: 11 Mar 2019 18:55

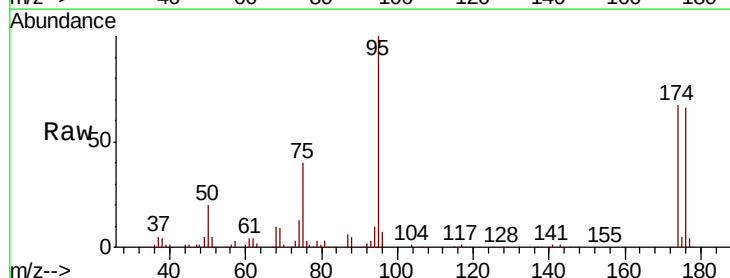
Tgt Ion: 75 Resp: 183612

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): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

13.56

150000

100000

50000

0

Time-->

