

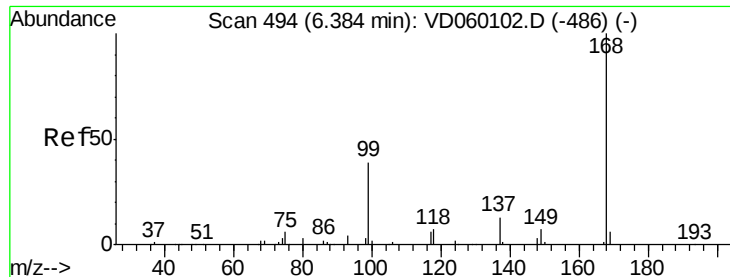
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102418\
 Data File : VD060193.D
 Acq On : 24 Oct 2018 20:32
 Operator : JC/SY
 Sample : J5642-01
 Misc : 5.00/5ml/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR200044

Quant Time: Oct 25 03:37:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1712316	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2400335	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.28	117	1886321	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	884267	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	708663	54.60	ug/l	0.01
Spiked Amount 50.000			Recovery	=	109.20%	
35) Dibromofluoromethane	6.31	113	911631	50.01	ug/l	0.01
Spiked Amount 50.000			Recovery	=	100.02%	
50) Toluene-d8	9.44	98	2516184	48.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	12.42	95	896329	46.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.12%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.93	59	1332	1.431	ug/l #	74
16) Acetone	3.14	43	14878	6.317	ug/l	96
20) Methylene Chloride	3.70	84	49858	Below Cal		93
31) Cyclohexane	6.39	56	32045	1.140	ug/l #	1
36) 1,1-Dichloropropene	6.39	75	120064	5.234	ug/l #	47
38) Carbon Tetrachloride	6.39	117	133365	6.406	ug/l #	15
76) 1,2,3-Trichloropropane	12.42	75	337748	26.522	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.42	75	362817	101.395	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD060193.D

Acq: 24 Oct 2018 20:32

Instrument :

MSVOA_D

ClientSampleId :

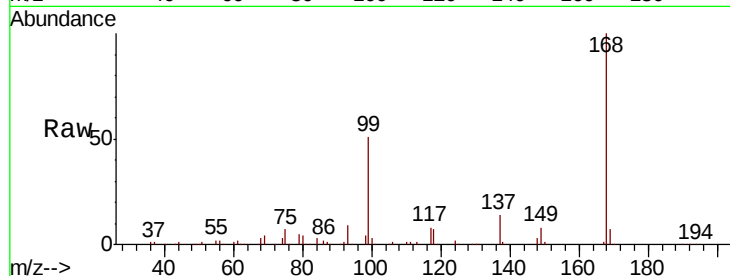
RBR200044

Tot Ion:168 Resp: 1712316

Ion Ratio Lower Upper

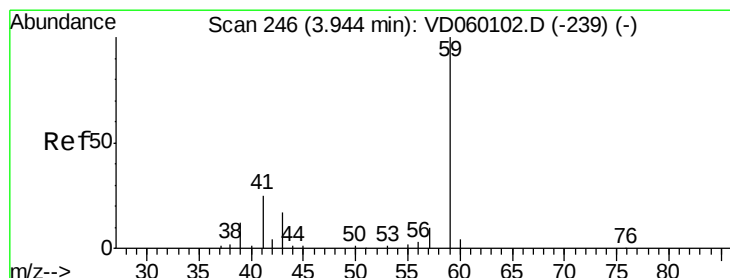
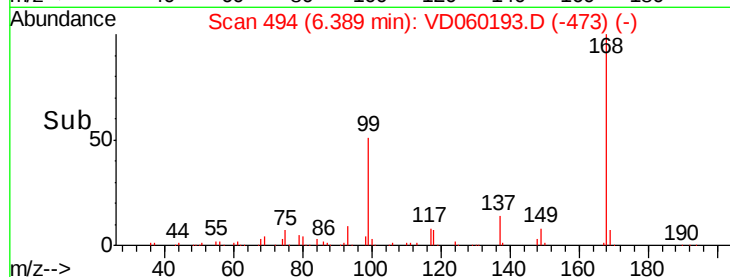
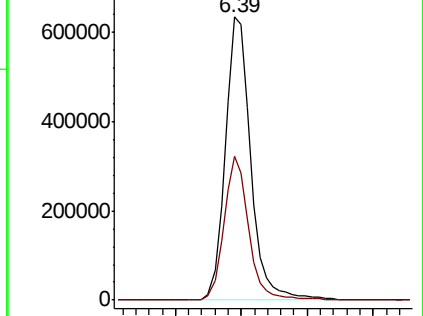
168 100

99 50.7 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.431 ug/l

RT: 3.93 min Scan# 244

Delta R.T. -0.01 min

Lab File: VD060193.D

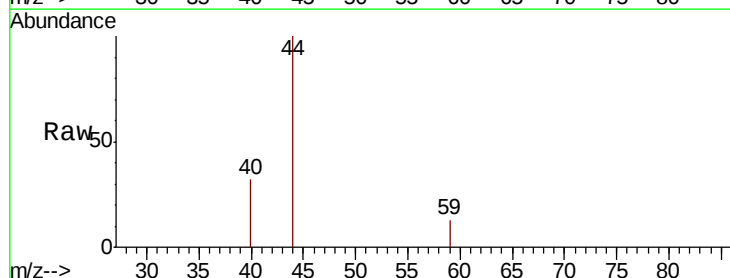
Acq: 24 Oct 2018 20:32

Tgt Ion: 59 Resp: 1332

Ion Ratio Lower Upper

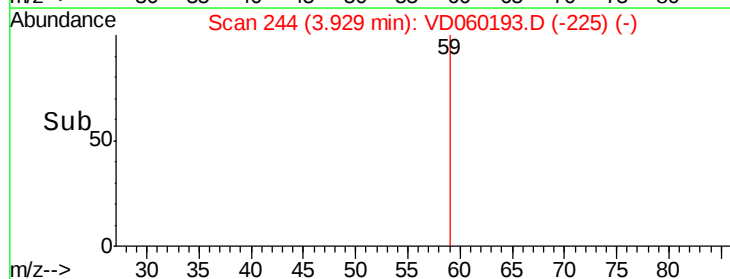
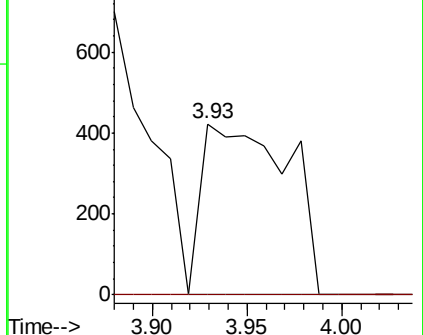
59 100

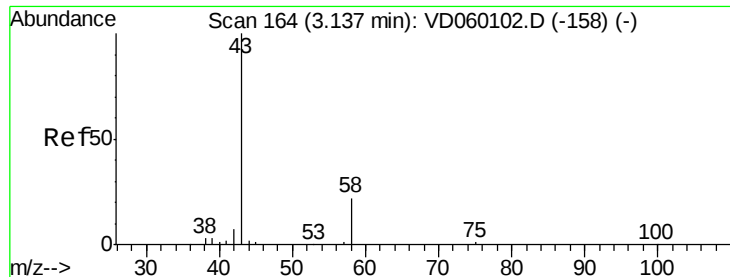
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 6.317 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD060193.D

Acq: 24 Oct 2018 20:32

Instrument :

MSVOA_D

ClientSampleId :

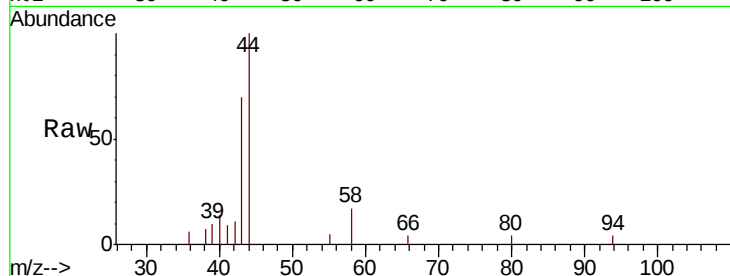
RBR200044

Tot Ion: 43 Resp: 14878

Ion Ratio Lower Upper

43 100

58 24.0 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

6000

5000

4000

3000

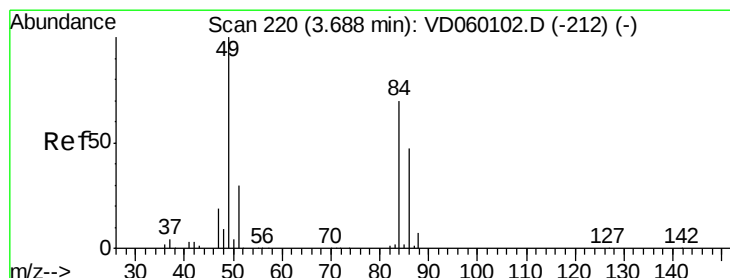
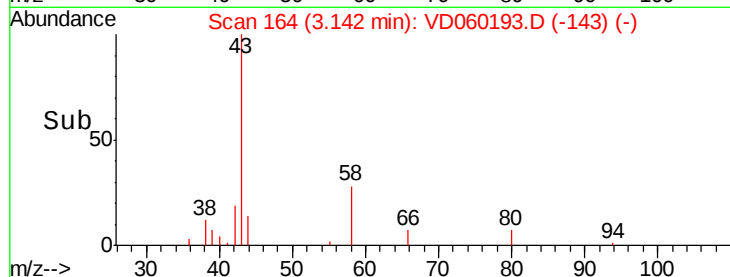
2000

1000

0

Time-->

3.05 3.10 3.15 3.20 3.25



#20

Methylene Chloride

Concen: Below Cal

RT: 3.70 min Scan# 221

Delta R.T. 0.02 min

Lab File: VD060193.D

Acq: 24 Oct 2018 20:32

Tgt Ion: 84 Resp: 49858

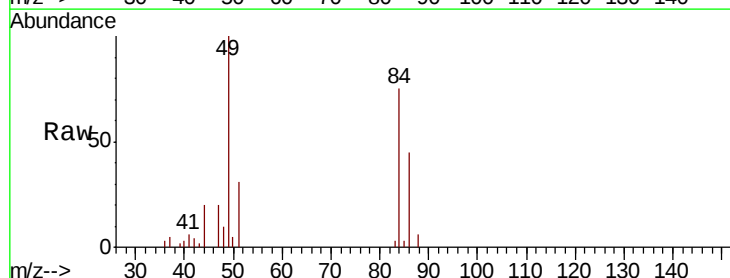
Ion Ratio Lower Upper

84 100

49 133.9 114.6 172.0

51 41.5 33.8 50.8

86 60.1 53.3 79.9



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

40000

30000

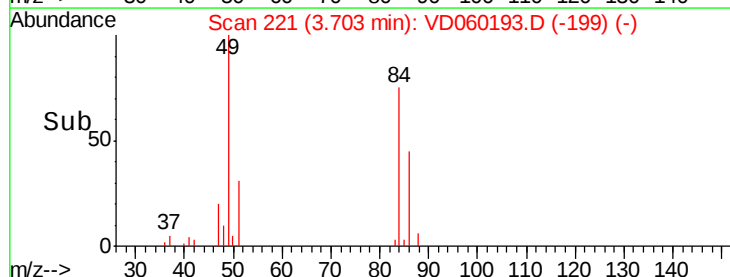
20000

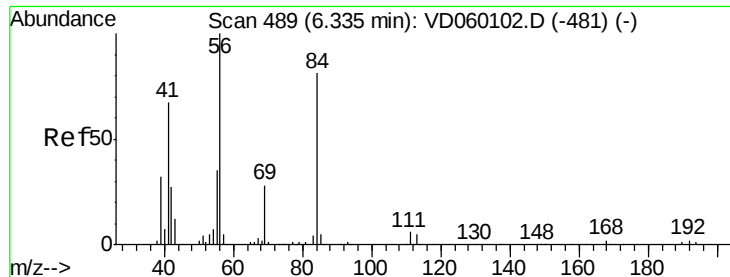
10000

0

Time-->

3.60 3.70 3.80 3.90

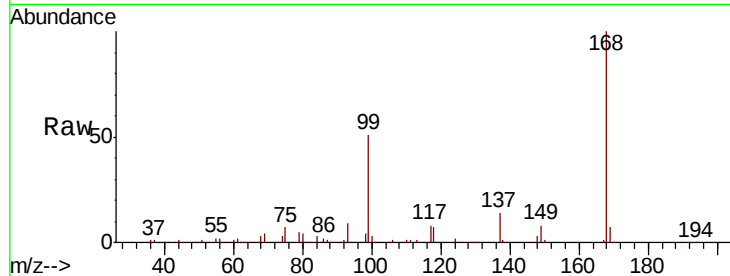




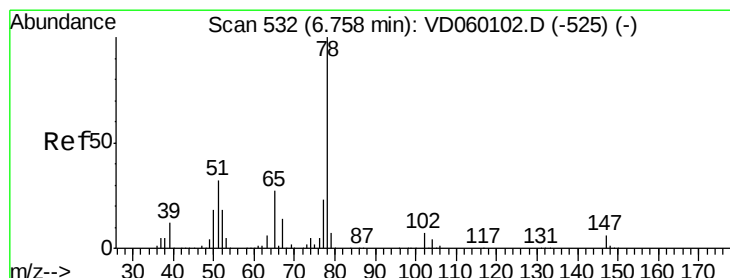
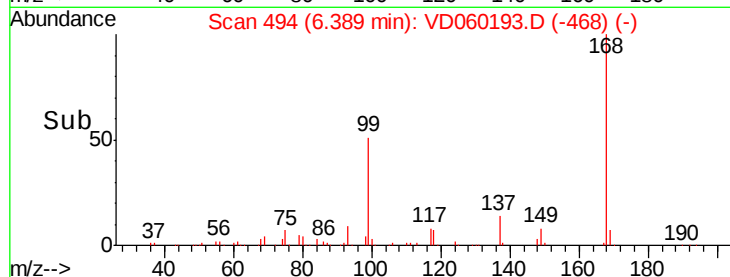
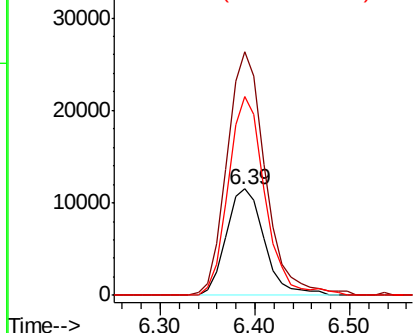
#31
Cyclohexane
Concen: 1.140 ug/l
RT: 6.39 min Scan# 494
Delta R.T. 0.05 min
Lab File: VD060193.D
Acq: 24 Oct 2018 20:32

Instrument :
MSVOA_D
ClientSampleId :
RBR200044

Tot Ion: 56 Resp: 32045
Ion Ratio Lower Upper
56 100
69 229.4 22.8 34.2#
84 187.0 64.9 97.3#

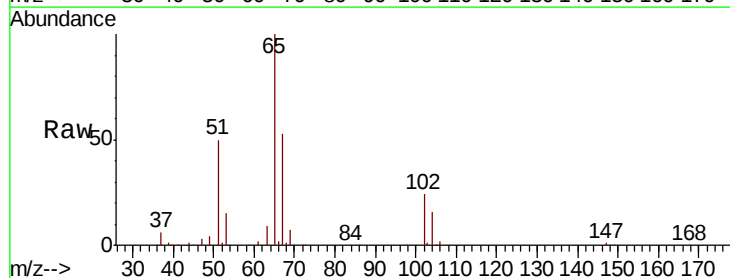


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

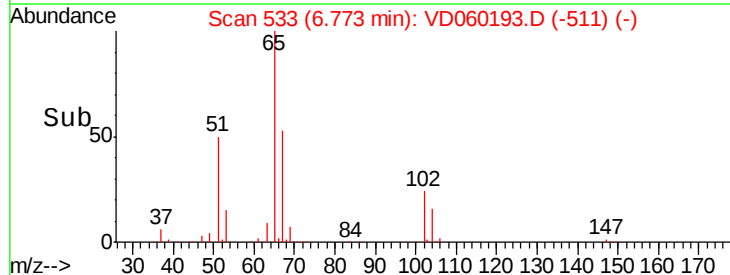
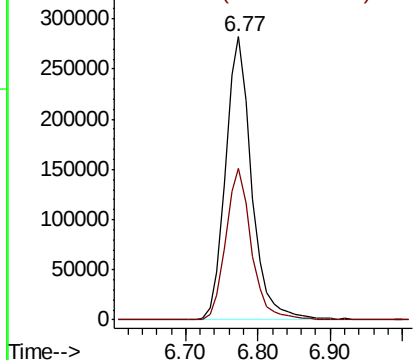


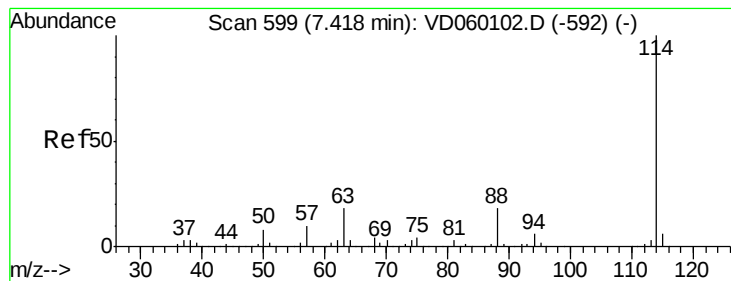
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.77 min Scan# 533
Delta R.T. 0.01 min
Lab File: VD060193.D
Acq: 24 Oct 2018 20:32

Tgt Ion: 65 Resp: 708663
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.2



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: 7.43 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD060193.D

Acq: 24 Oct 2018 20:32

Instrument :

MSVOA_D

ClientSampleId :

RBR200044

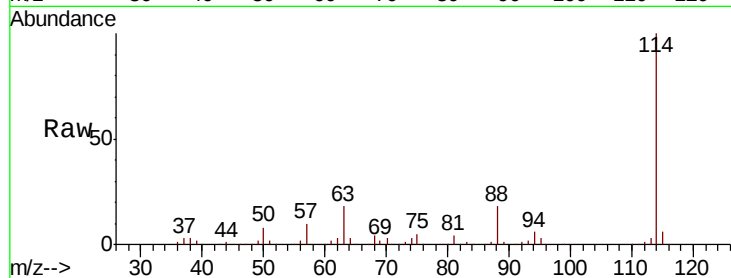
Tot Ion:114 Resp: 2400335

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.0

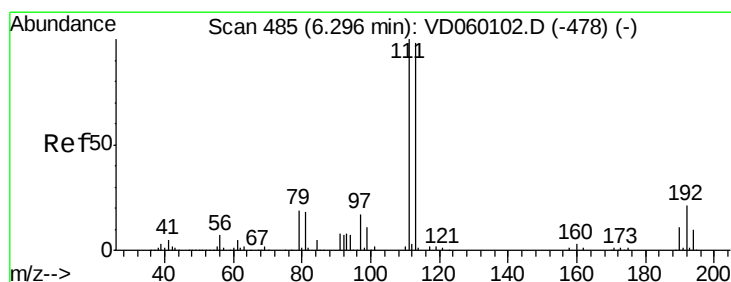
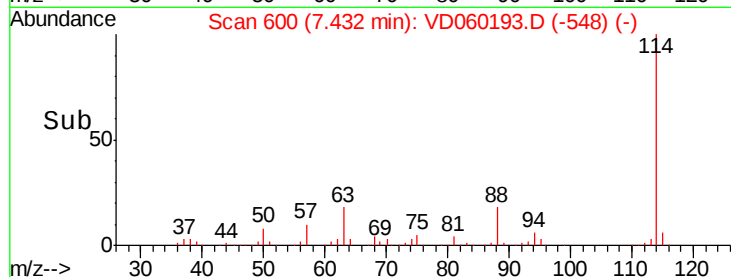
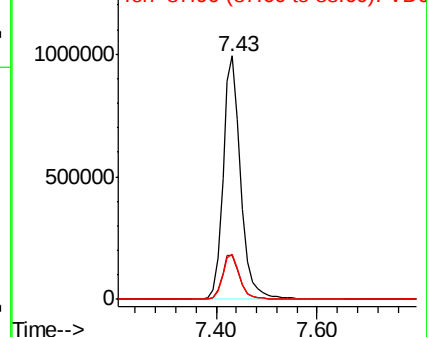
88 18.4 0.0 36.2



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: 6.31 min Scan# 486

Delta R.T. 0.01 min

Lab File: VD060193.D

Acq: 24 Oct 2018 20:32

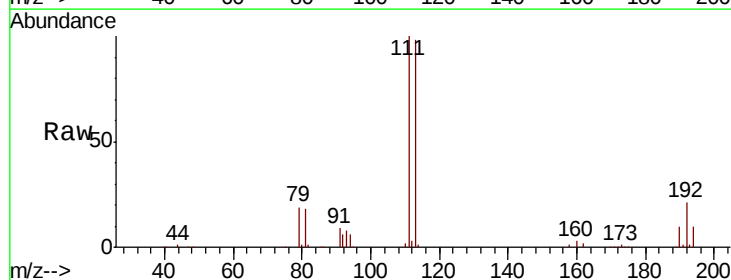
Tgt Ion:113 Resp: 911631

Ion Ratio Lower Upper

113 100

111 101.8 81.5 122.3

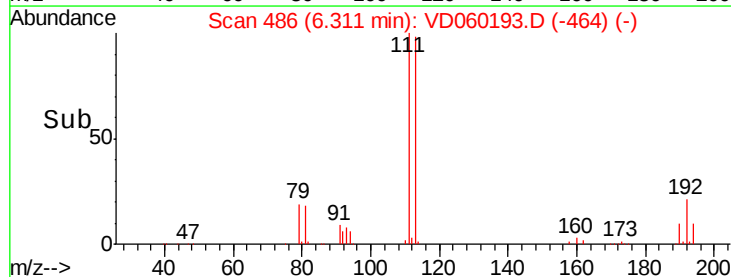
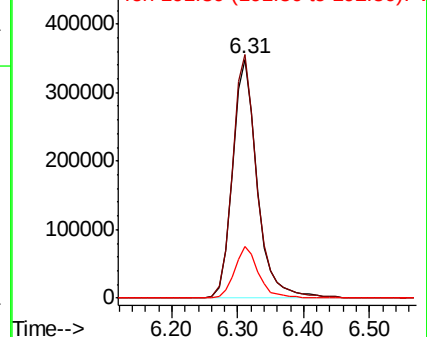
192 21.8 17.4 26.0

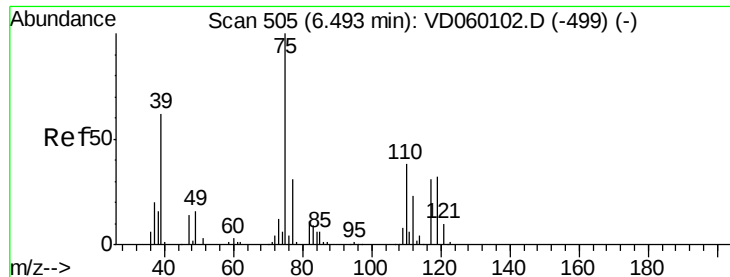


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.234 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.10 min

Lab File: VD060193.D

Acq: 24 Oct 2018 20:32

Instrument :

MSVOA_D

ClientSampleId :

RBR200044

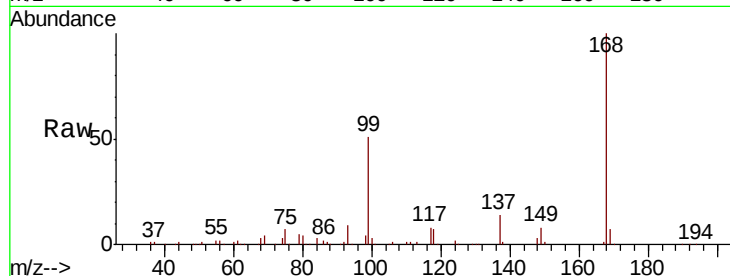
Tot Ion: 75 Resp: 120064

Ion Ratio Lower Upper

75 100

110 8.0 19.0 57.0#

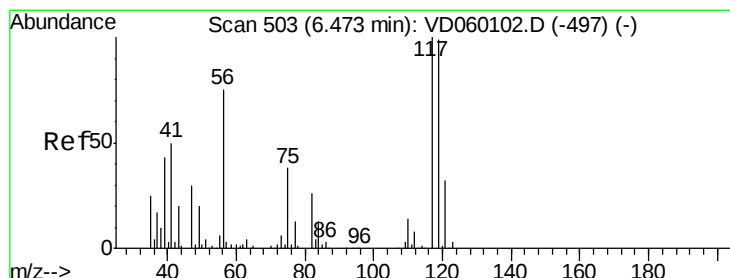
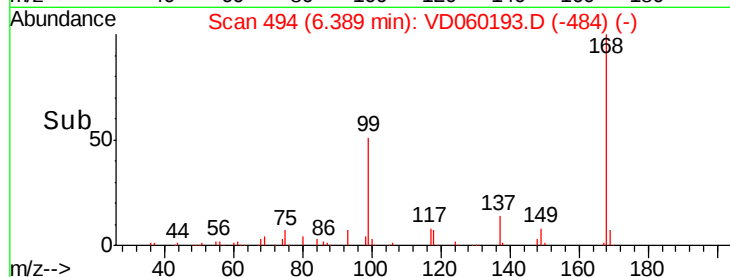
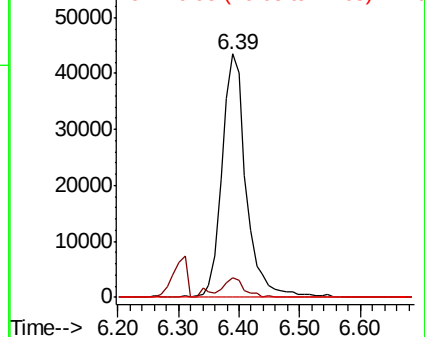
77 0.0 24.9 37.3#



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: 6.406 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.08 min

Lab File: VD060193.D

Acq: 24 Oct 2018 20:32

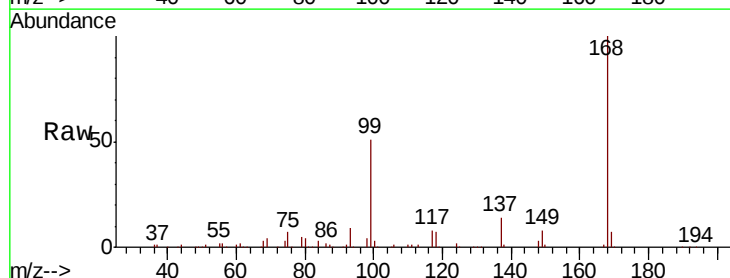
Tgt Ion: 117 Resp: 133365

Ion Ratio Lower Upper

117 100

119 4.7 77.8 116.6#

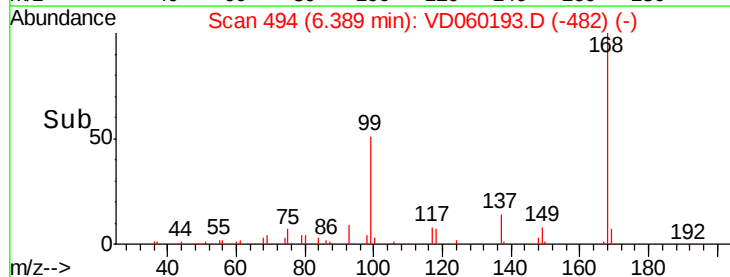
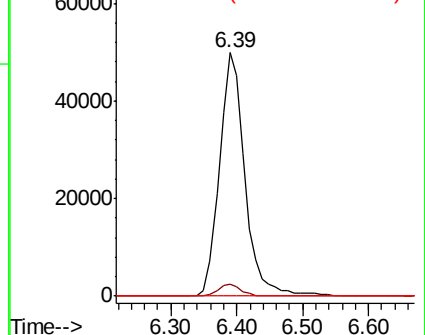
121 0.0 24.8 37.2#

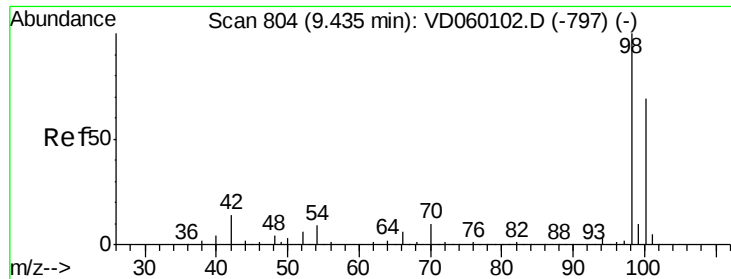


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

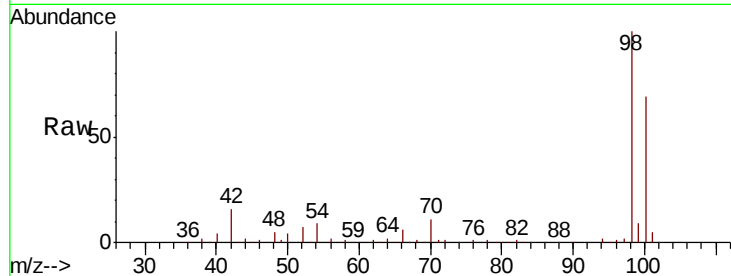




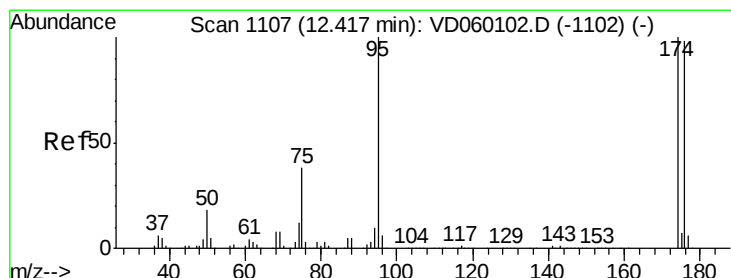
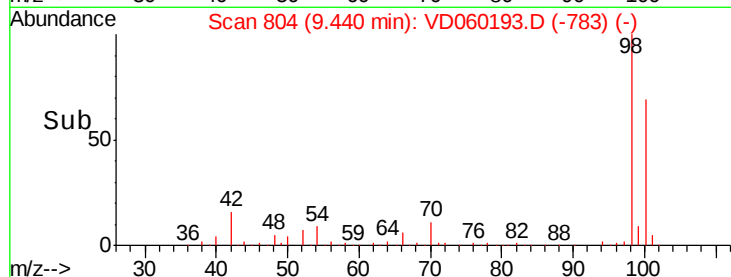
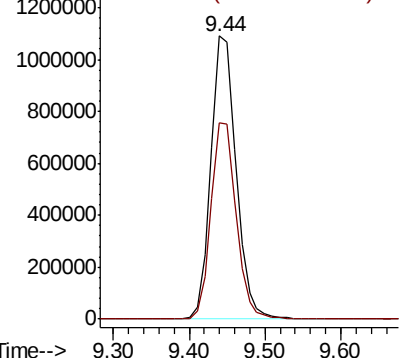
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 804
Delta R.T. 0.00 min
Lab File: VD060193.D
Acq: 24 Oct 2018 20:32

Instrument :
MSVOA_D
ClientSampleId :
RBR200044

Tot Ion: 98 Resp: 2516184
Ion Ratio Lower Upper
98 100
100 69.5 55.4 83.0

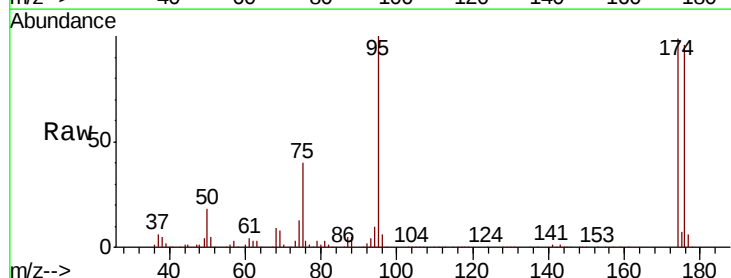


Abundance Ion 98.05 (97.75 to 98.75): VD060102.D (-797) (-)
Ion 100.05 (99.75 to 100.75): VD060102.D (-797) (-)

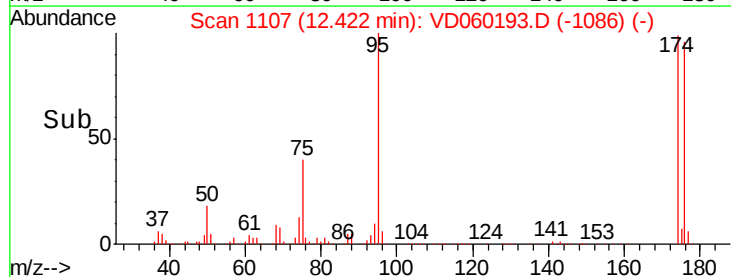
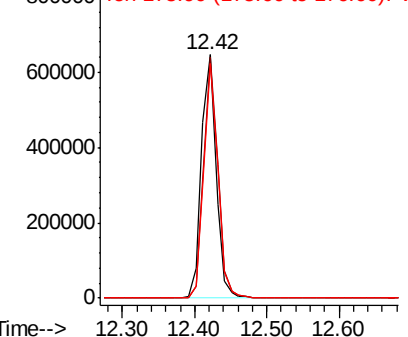


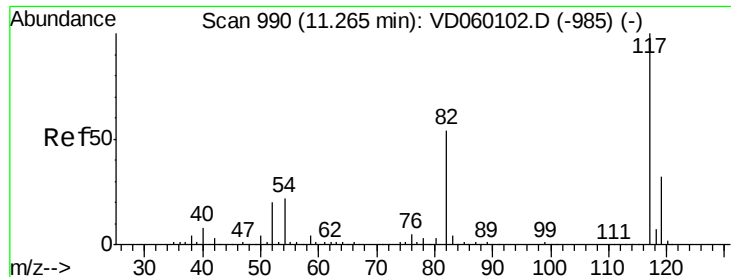
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD060193.D
Acq: 24 Oct 2018 20:32

Tgt Ion: 95 Resp: 896329
Ion Ratio Lower Upper
95 100
174 99.1 0.0 200.2
176 96.5 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): VD060102.D (-1102) (-)
Ion 173.90 (173.60 to 174.60): VD060102.D (-1102) (-)
Ion 175.90 (175.60 to 176.60): VD060102.D (-1102) (-)

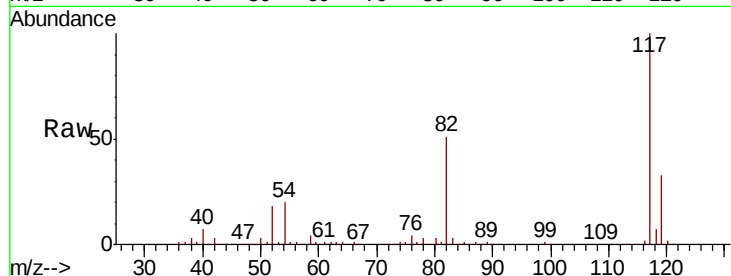




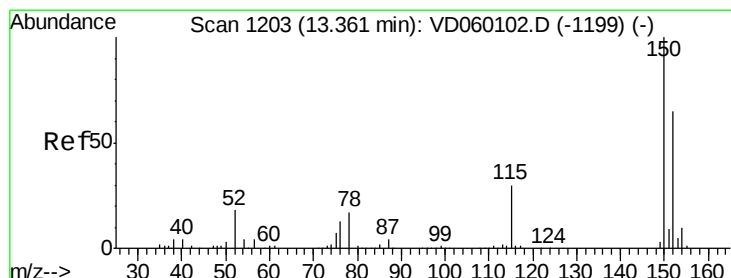
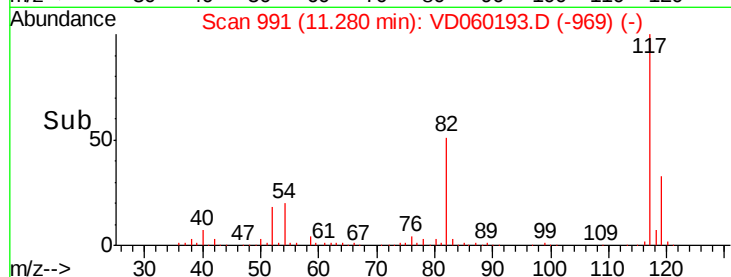
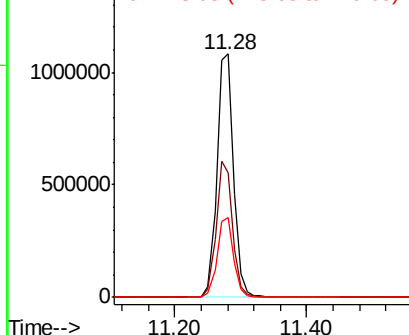
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060193.D
Acq: 24 Oct 2018 20:32

Instrument :
MSVOA_D
ClientSampleId :
RBR200044

Tot Ion:117 Resp: 1886321
Ion Ratio Lower Upper
117 100
82 51.3 43.4 65.2
119 32.9 26.0 39.0

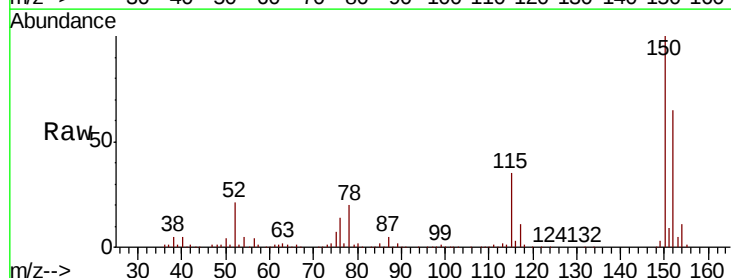


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

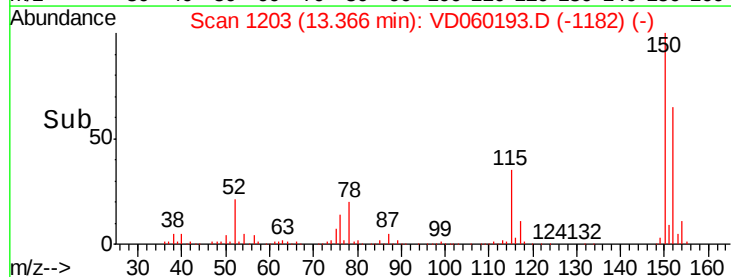
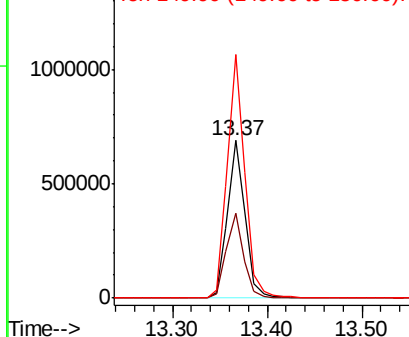


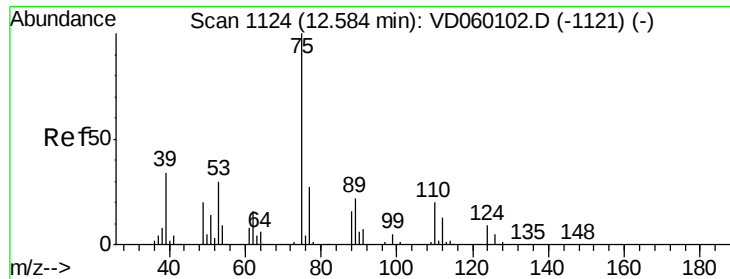
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VD060193.D
Acq: 24 Oct 2018 20:32

Tgt Ion:152 Resp: 884267
Ion Ratio Lower Upper
152 100
115 53.7 27.1 81.2
150 154.3 0.0 311.8



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

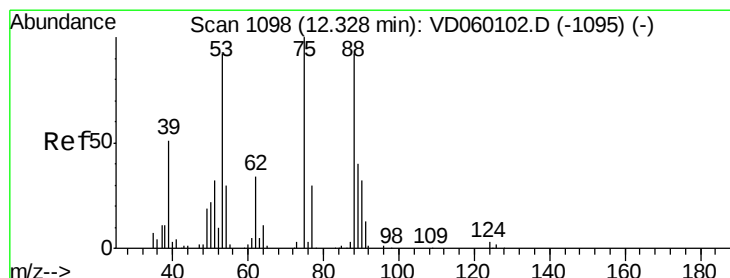
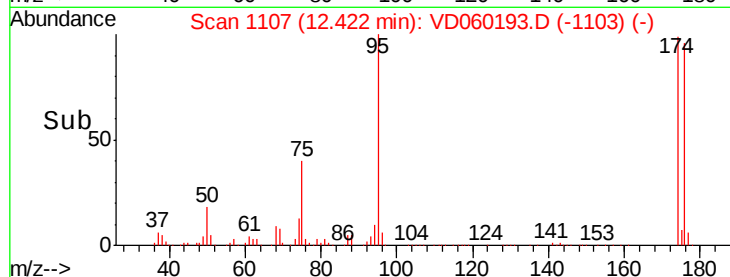
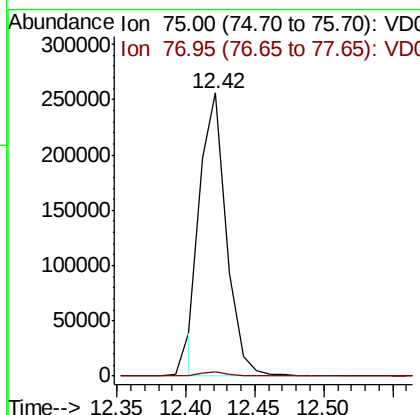
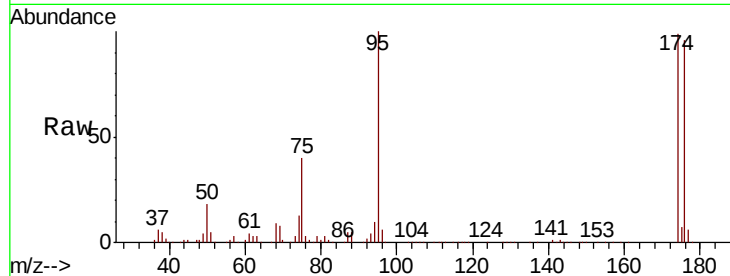




#76
 1,2,3-Trichloropropane
 Concen: 26.522 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. -0.16 min
 Lab File: VD060193.D
 Acq: 24 Oct 2018 20:32

Instrument :
 MSVOA_D
 ClientSampleID :
 RBR200044

Tot Ion: 75 Resp: 337748
 Ion Ratio Lower Upper
 75 100
 77 1.3 16.3 48.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.395 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.09 min
 Lab File: VD060193.D
 Acq: 24 Oct 2018 20:32

Tgt Ion: 75 Resp: 362817
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.6#
 89 0.0 32.0 48.0#

