

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD091718\
 Data File : VD060029.D
 Acq On : 17 Sep 2018 18:55
 Operator : JC/SY
 Sample : J4943-01RE
 Misc : 2.20g/5ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR200051RE

Quant Time: Sep 18 03:54:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

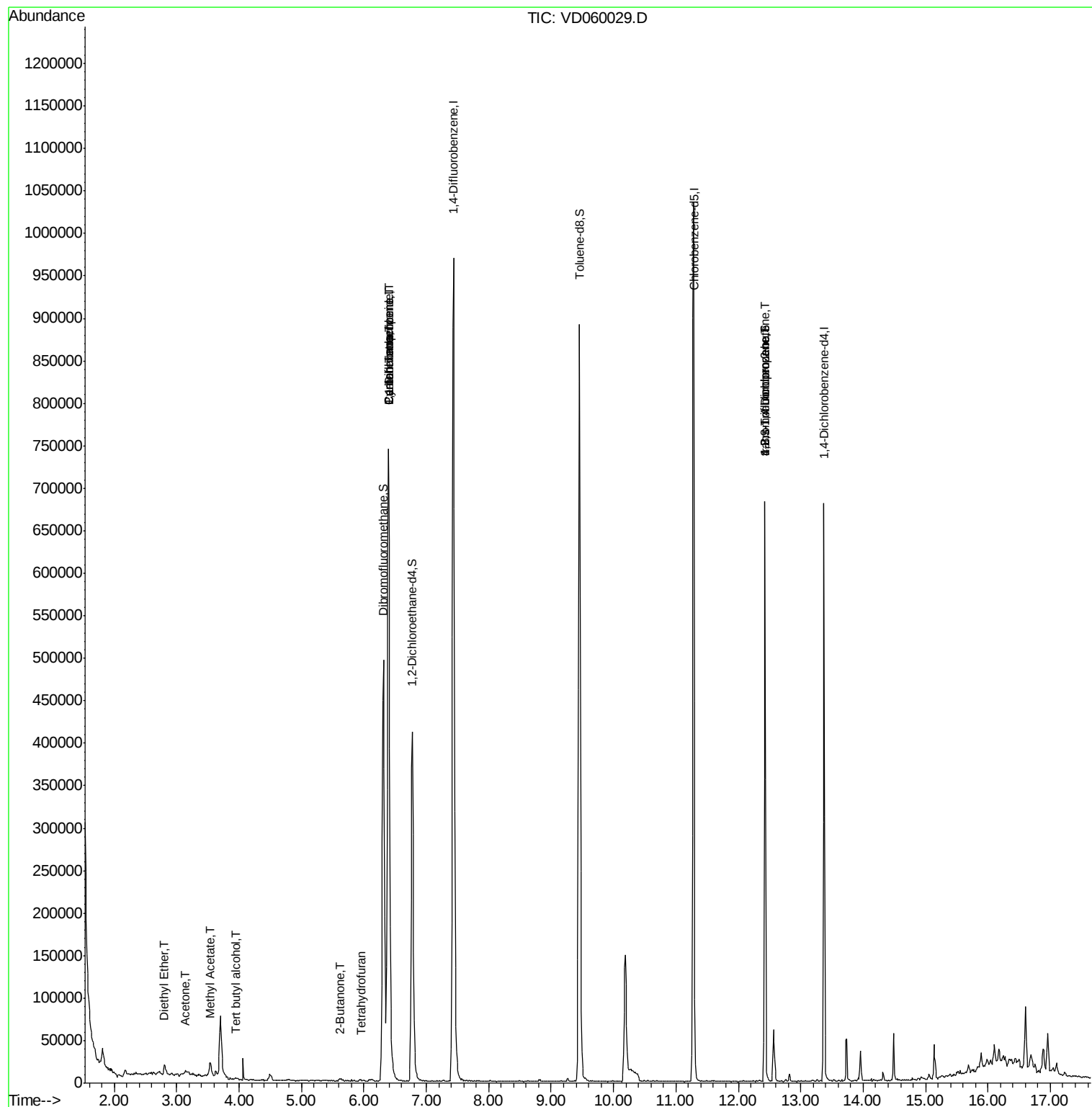
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	714411	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.44	114	994419	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.28	117	545632	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	141070	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.78	65	329662	59.17	ug/l	0.01
Spiked Amount 50.000			Recovery	=	118.34%	
35) Dibromofluoromethane	6.31	113	384381	49.48	ug/l	0.01
Spiked Amount 50.000			Recovery	=	98.96%	
50) Toluene-d8	9.45	98	710511	33.00	ug/l	0.01
Spiked Amount 50.000			Recovery	=	66.00%	
62) 4-Bromofluorobenzene	12.43	95	183494	22.31	ug/l	0.01
Spiked Amount 50.000			Recovery	=	44.62%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.80	74	3680	2.936	ug/l	81
11) Tert butyl alcohol	3.94	59	2878	6.402	ug/l #	74
16) Acetone	3.15	43	10874	10.109	ug/l	93
18) Methyl Acetate	3.54	43	33545	15.335	ug/l	96
20) Methylene Chloride	3.70	84	41428	Below Cal		96
25) 2-Butanone	5.61	43	4150	1.430	ug/l #	61
29) Tetrahydrofuran	5.95	42	2107	1.354	ug/l #	41
31) Cyclohexane	6.39	56	14369	1.161	ug/l #	1
36) 1,1-Dichloropropene	6.39	75	52862	5.351	ug/l #	46
38) Carbon Tetrachloride	6.39	117	56461	6.123	ug/l #	15
51) 4-Methyl-2-Pentanone	9.34	43	270	Below Cal	#	42
59) 2-Hexanone	10.49	43	252	Below Cal	#	30
76) 1,2,3-Trichloropropane	12.43	75	73997	34.345	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.43	75	77508	119.174	ug/l #	15
91) 1,2-Dichlorobenzene	13.66	146	291	Below Cal	#	45

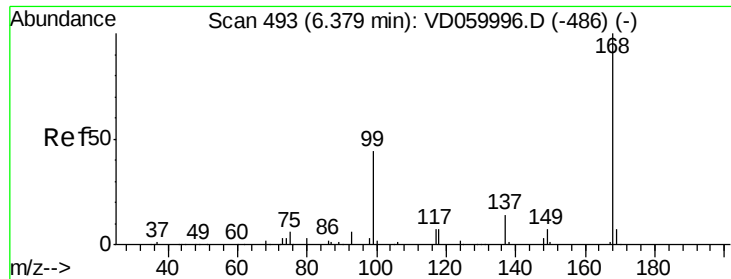
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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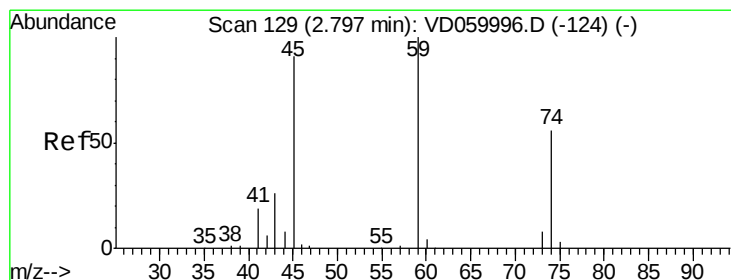
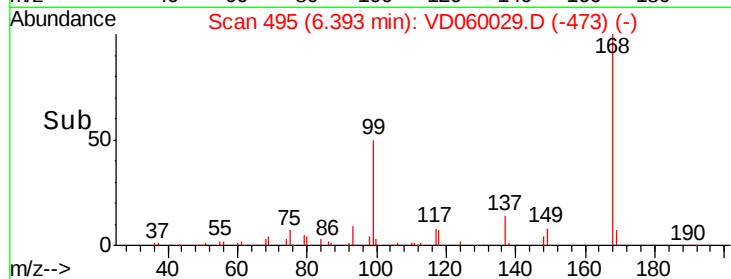
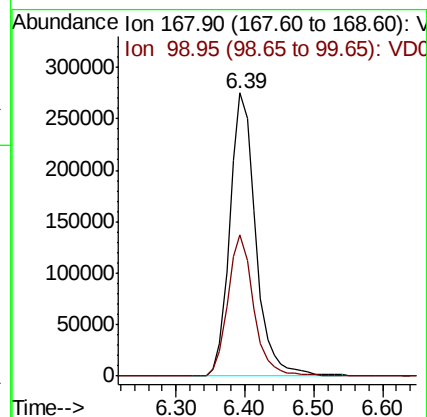
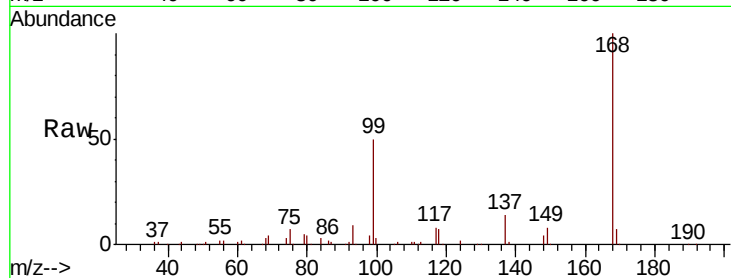




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 6.39 min Scan# 495
Delta R.T. 0.01 min
Lab File: VD060029.D
Acq: 17 Sep 2018 18:55

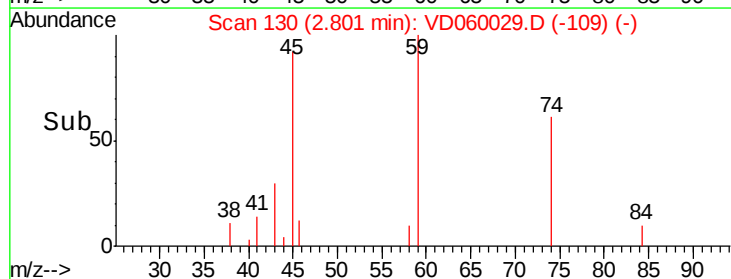
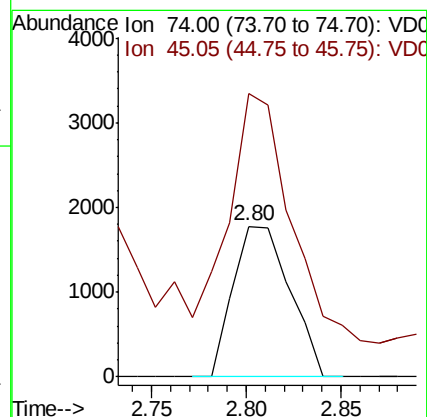
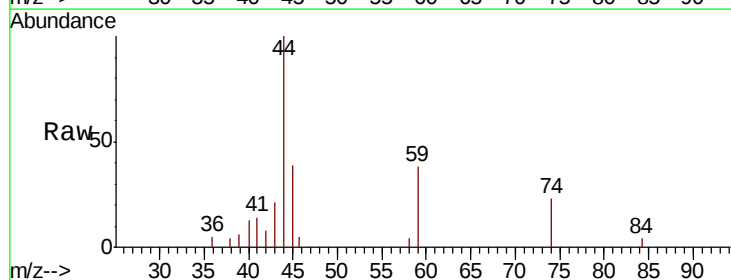
Instrument :
MSVOA_D
ClientSampleId :
RBR200051RE

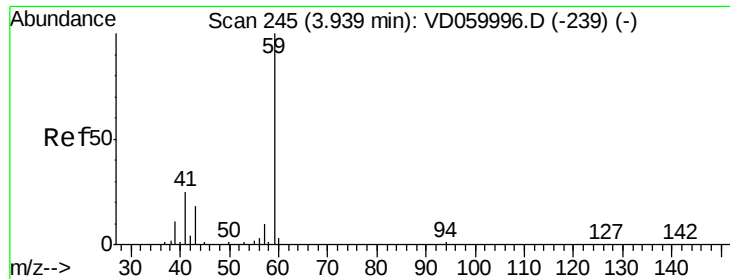
Tgt Ion:168 Resp: 714411
Ion Ratio Lower Upper
168 100
99 49.8 38.5 57.7



#8
Diethyl Ether
Concen: 2.936 ug/l
RT: 2.80 min Scan# 130
Delta R.T. 0.00 min
Lab File: VD060029.D
Acq: 17 Sep 2018 18:55

Tgt Ion: 74 Resp: 3680
Ion Ratio Lower Upper
74 100
45 187.9 81.2 243.4

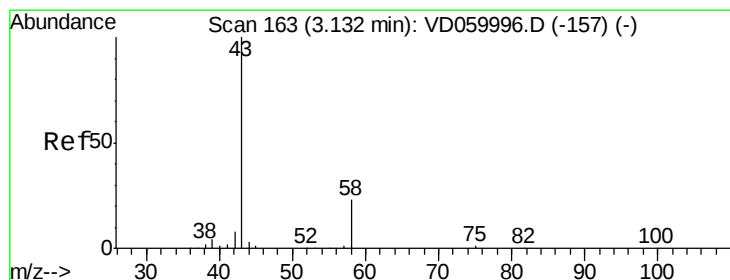
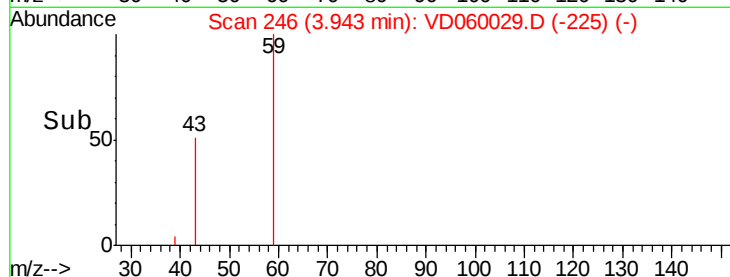
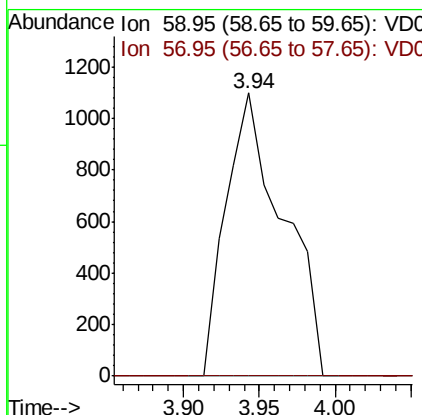
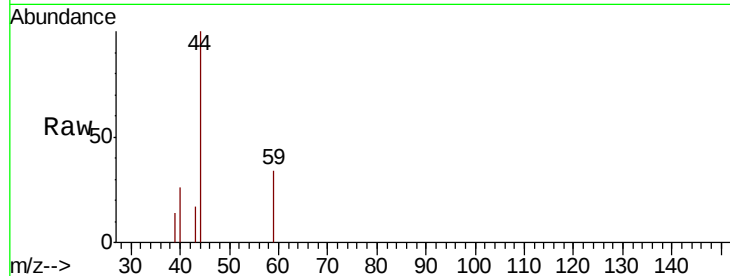




#11
Tert butyl alcohol
Concen: 6.402 ug/l
RT: 3.94 min Scan# 246
Delta R.T. 0.00 min
Lab File: VD060029.D
Acq: 17 Sep 2018 18:55

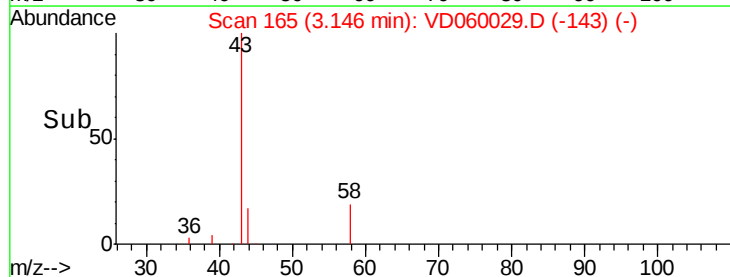
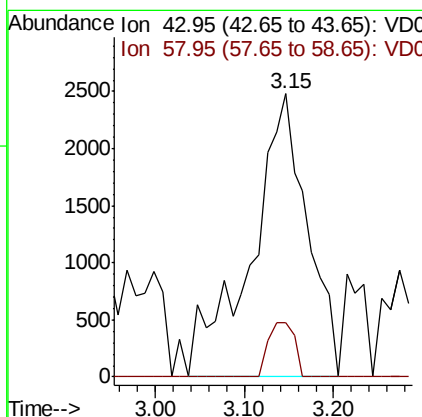
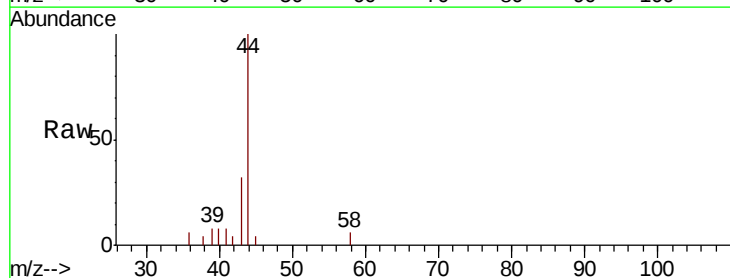
Instrument :
MSVOA_D
ClientSampleId :
RBR200051RE

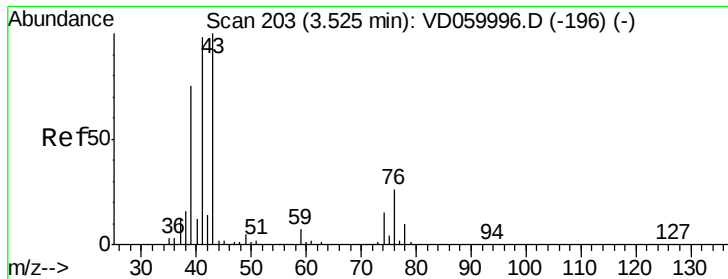
Tgt Ion: 59 Resp: 2878
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 10.109 ug/l
RT: 3.15 min Scan# 165
Delta R.T. 0.01 min
Lab File: VD060029.D
Acq: 17 Sep 2018 18:55

Tgt Ion: 43 Resp: 10874
Ion Ratio Lower Upper
43 100
58 19.0 18.1 27.1

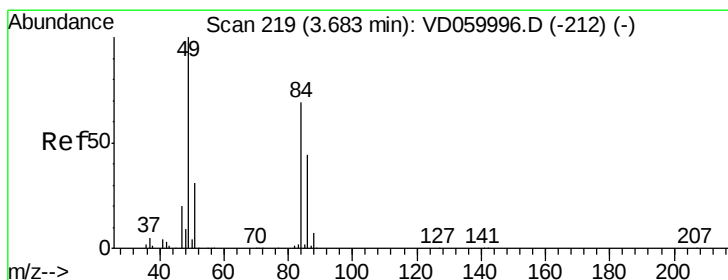
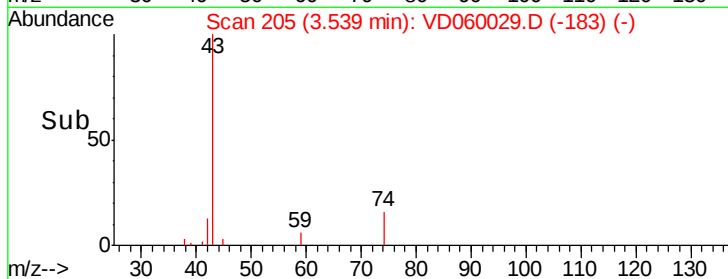
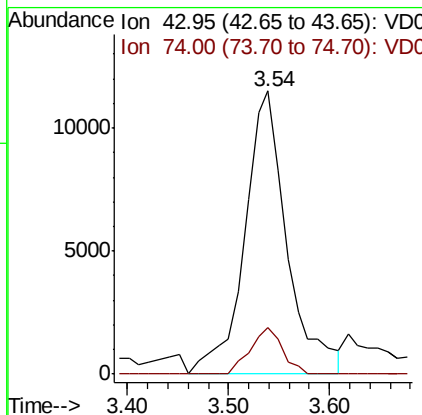
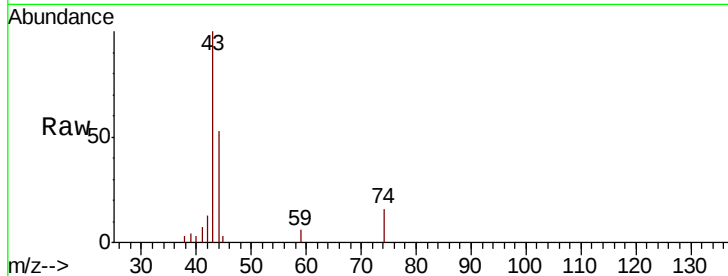




#18
Methyl Acetate
Concen: 15.335 ug/l
RT: 3.54 min Scan# 205
Delta R.T. 0.01 min
Lab File: VD060029.D
Acq: 17 Sep 2018 18:55

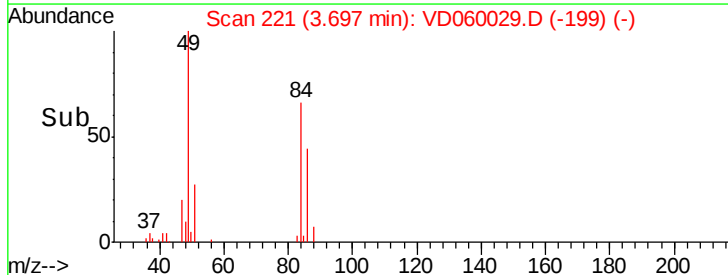
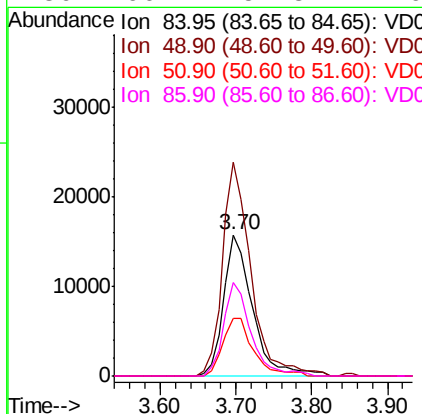
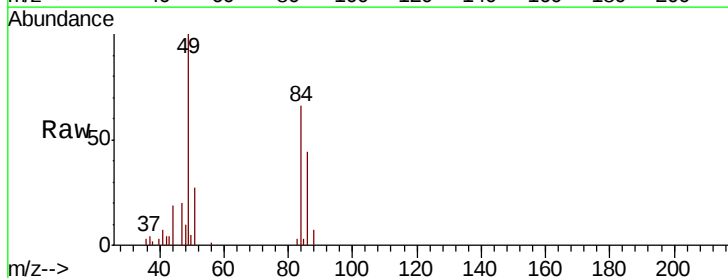
Instrument :
MSVOA_D
ClientSampleId :
RBR200051RE

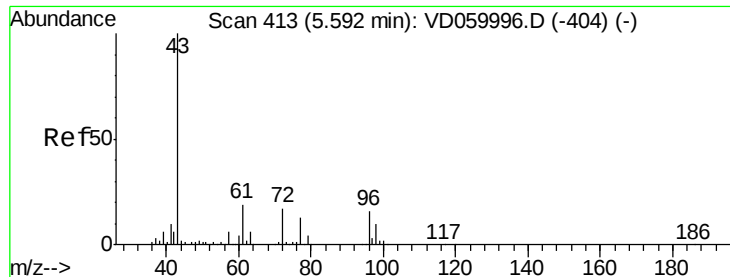
Tgt Ion: 43 Resp: 33545
Ion Ratio Lower Upper
43 100
74 16.4 11.8 17.8



#20
Methylene Chloride
Concen: Below Cal
RT: 3.70 min Scan# 221
Delta R.T. 0.01 min
Lab File: VD060029.D
Acq: 17 Sep 2018 18:55

Tgt Ion: 84 Resp: 41428
Ion Ratio Lower Upper
84 100
49 151.1 116.6 175.0
51 41.0 35.9 53.9
86 66.4 51.8 77.6





#25

2-Butanone

Concen: 1.430 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060029.D

Acq: 17 Sep 2018 18:55

Instrument :

MSVOA_D

ClientSampleId :

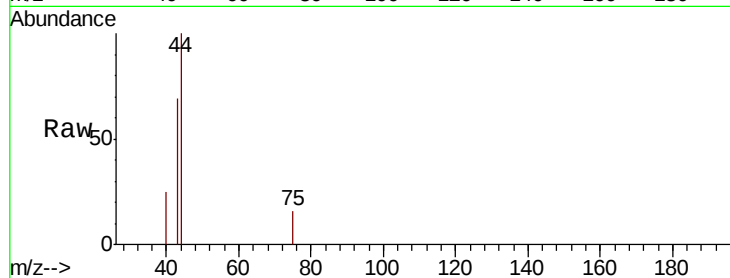
RBR200051RE

Tgt Ion: 43 Resp: 4150

Ion Ratio Lower Upper

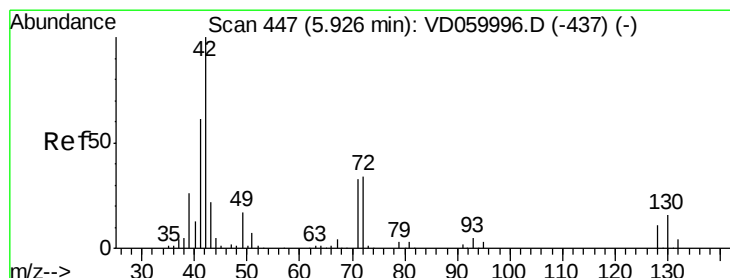
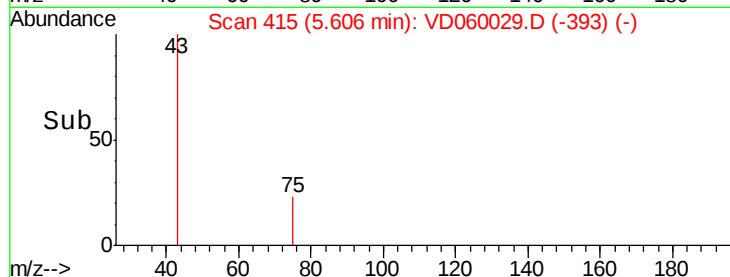
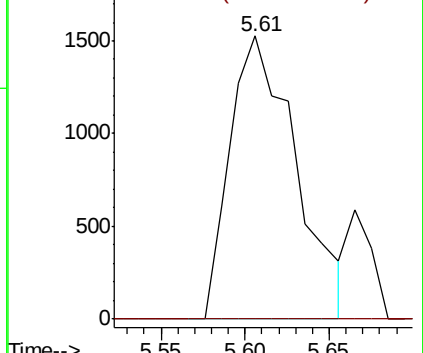
43 100

72 0.0 13.6 20.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.354 ug/l

RT: 5.95 min Scan# 450

Delta R.T. 0.02 min

Lab File: VD060029.D

Acq: 17 Sep 2018 18:55

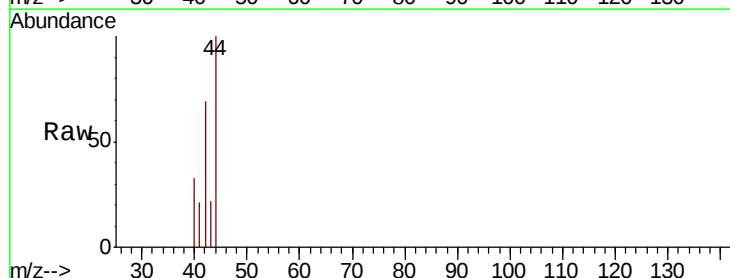
Tgt Ion: 42 Resp: 2107

Ion Ratio Lower Upper

42 100

72 0.0 26.9 40.3#

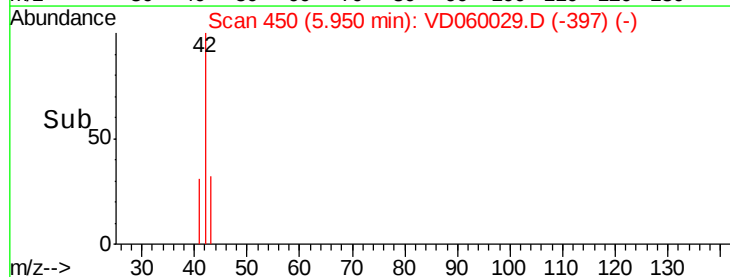
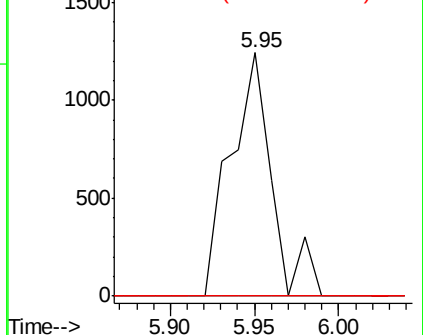
71 0.0 26.2 39.4#

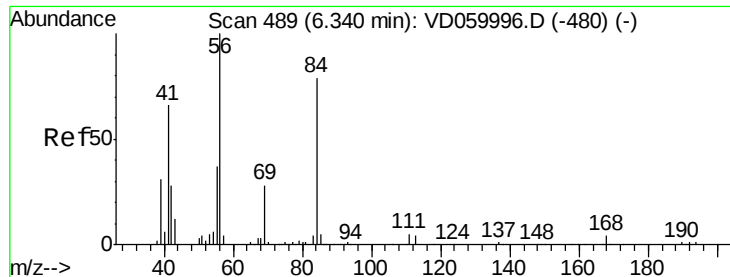


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

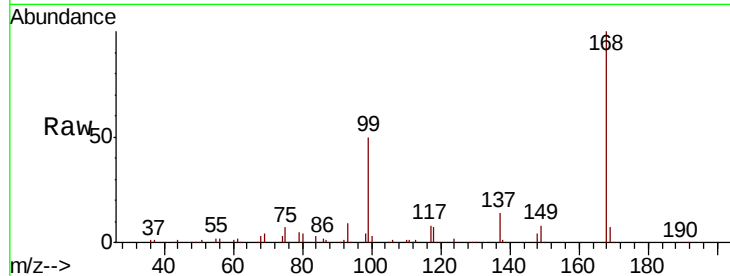




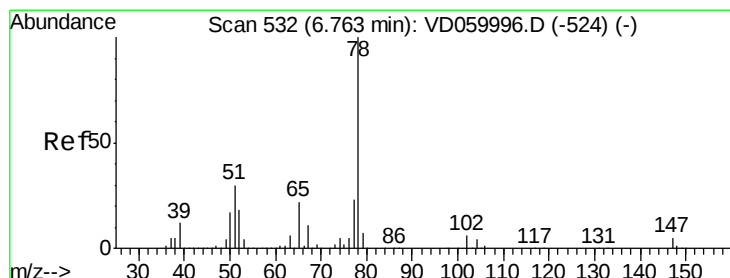
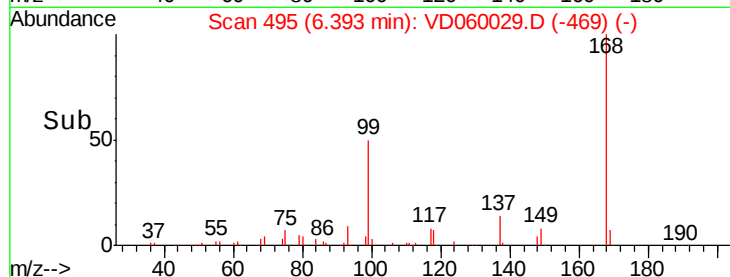
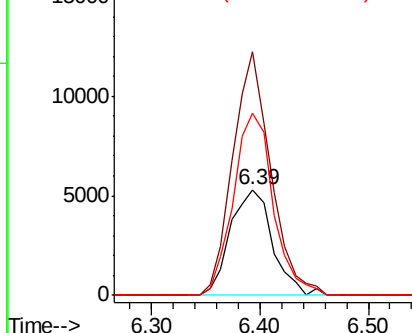
#31
Cyclohexane
Concen: 1.161 ug/l
RT: 6.39 min Scan# 495
Delta R.T. 0.05 min
Lab File: VD060029.D
Acq: 17 Sep 2018 18:55

Instrument :
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ClientSampleId :
RBR200051RE

Tgt Ion: 56 Resp: 14369
Ion Ratio Lower Upper
56 100
69 230.6 22.7 34.1#
84 172.2 64.0 96.0#

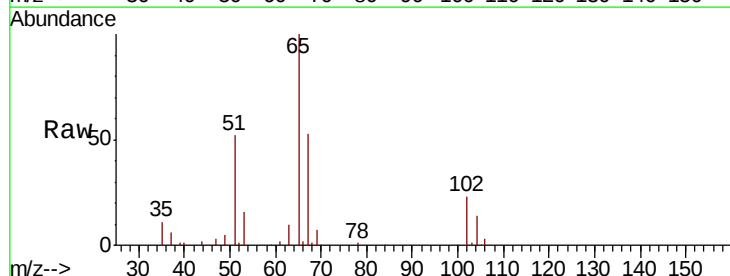


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

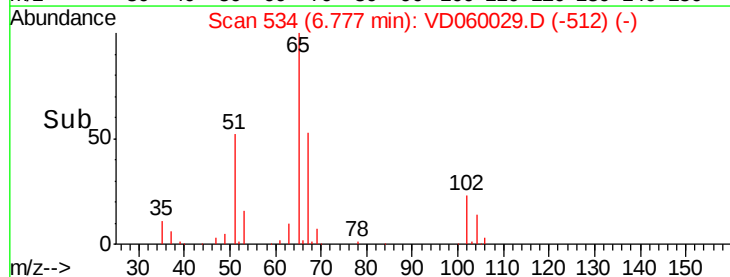
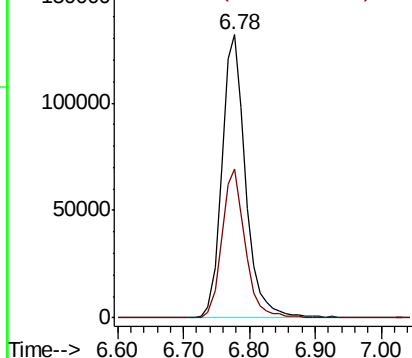


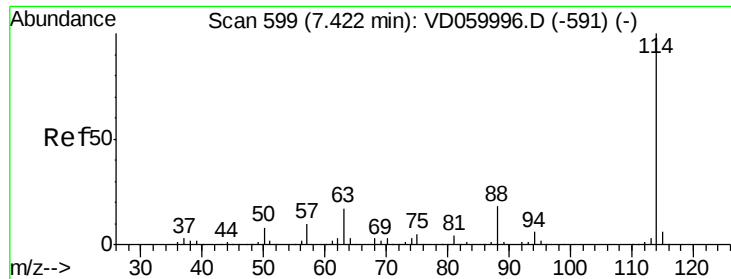
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD060029.D
Acq: 17 Sep 2018 18:55

Tgt Ion: 65 Resp: 329662
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

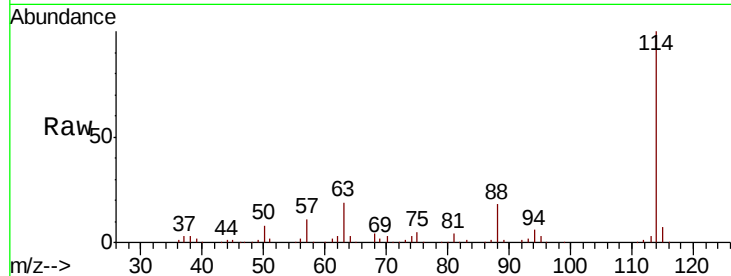




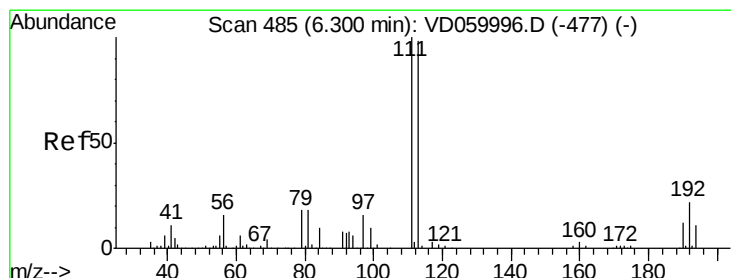
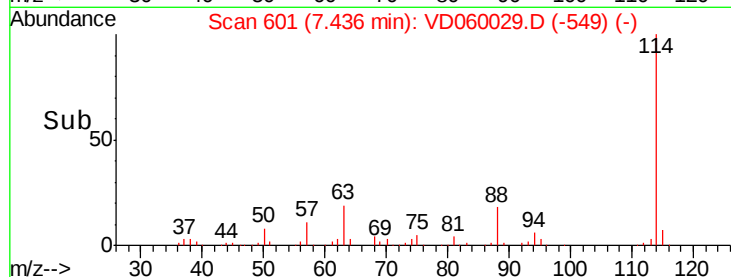
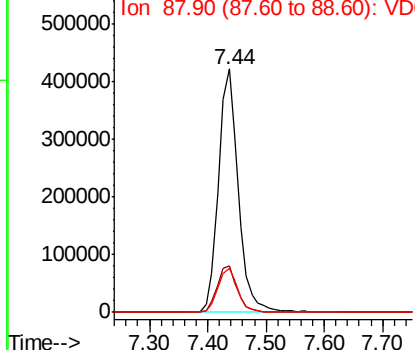
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.01 min
 Lab File: VD060029.D
 Acq: 17 Sep 2018 18:55

Instrument :
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 ClientSampleId :
 RBR200051RE

Tgt Ion:114 Resp: 994419
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 34.4
 88 18.2 0.0 35.8

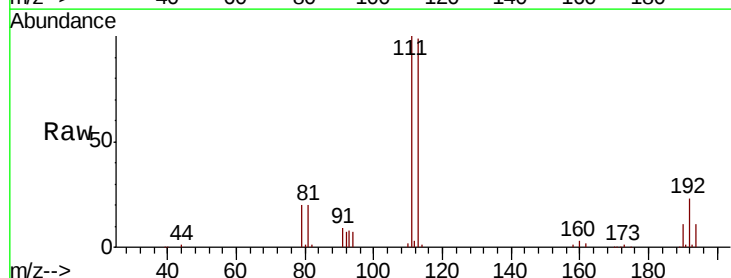


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

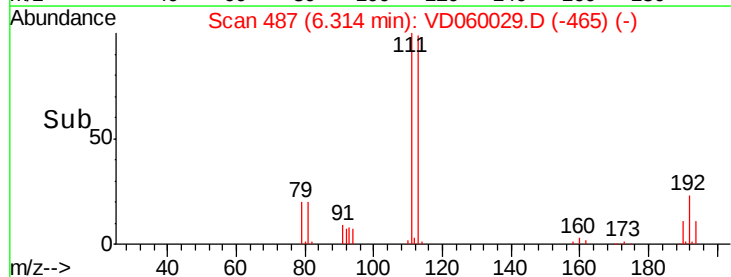
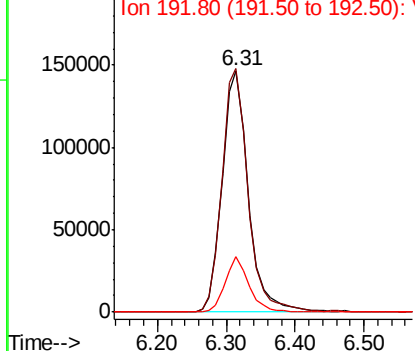


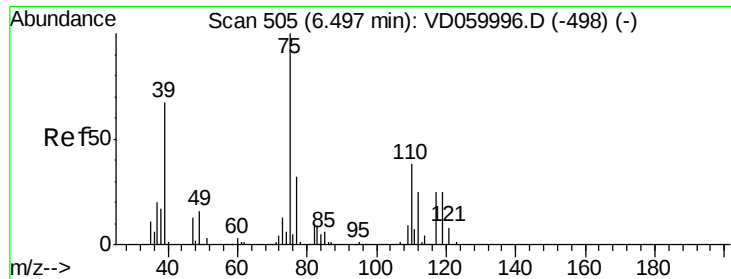
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 487
 Delta R.T. 0.01 min
 Lab File: VD060029.D
 Acq: 17 Sep 2018 18:55

Tgt Ion:113 Resp: 384381
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.3 121.9
 192 22.9 18.1 27.1



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: 5.351 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.10 min

Lab File: VD060029.D

Acq: 17 Sep 2018 18:55

Instrument :

MSVOA_D

ClientSampleId :

RBR200051RE

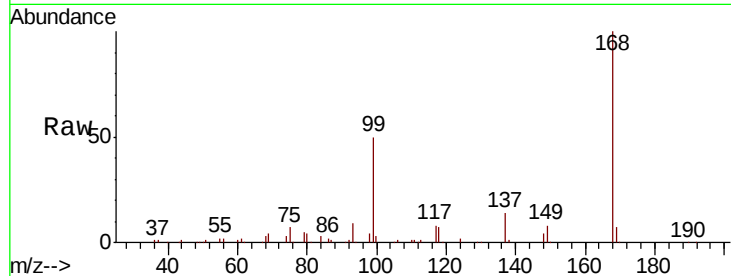
Tgt Ion: 75 Resp: 52862

Ion Ratio Lower Upper

75 100

110 6.9 18.9 56.9#

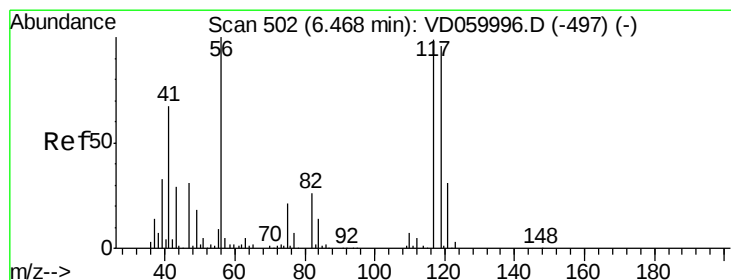
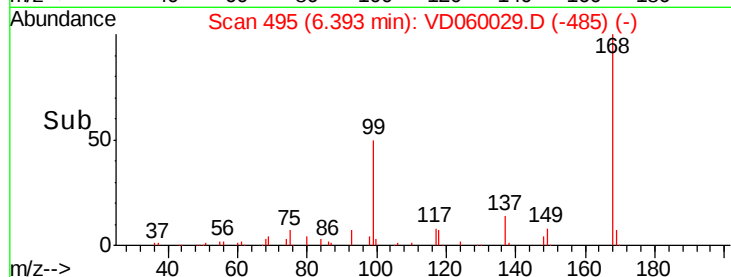
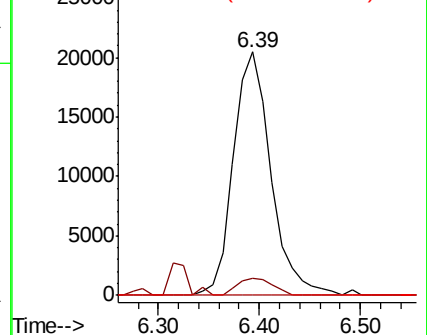
77 0.0 25.3 37.9#



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: 6.123 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.07 min

Lab File: VD060029.D

Acq: 17 Sep 2018 18:55

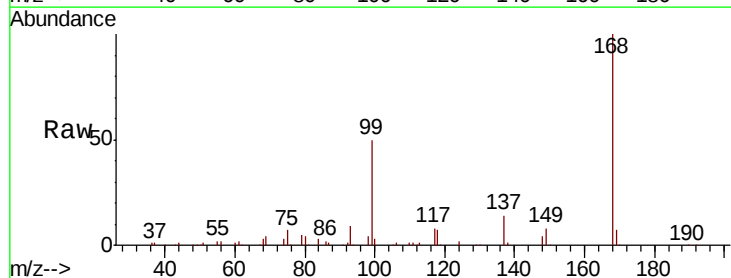
Tgt Ion: 117 Resp: 56461

Ion Ratio Lower Upper

117 100

119 4.5 76.7 115.1#

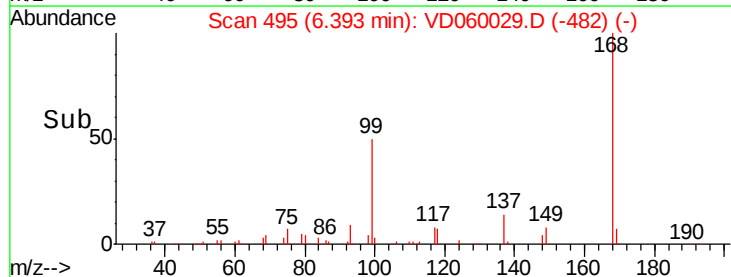
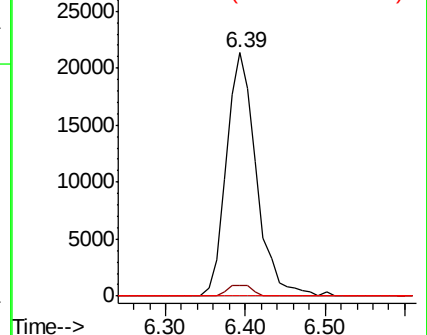
121 0.0 24.9 37.3#

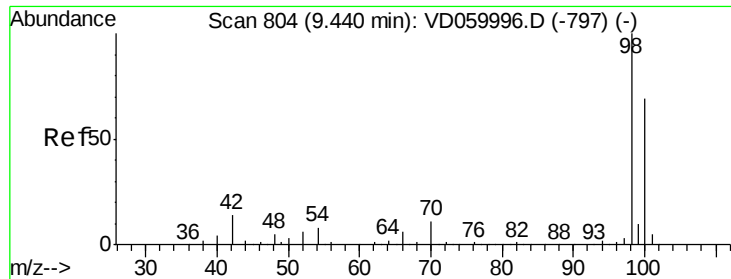


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

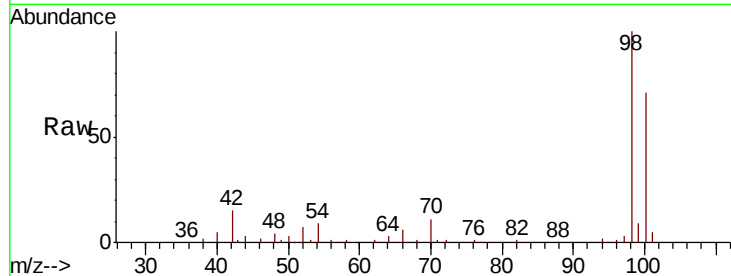




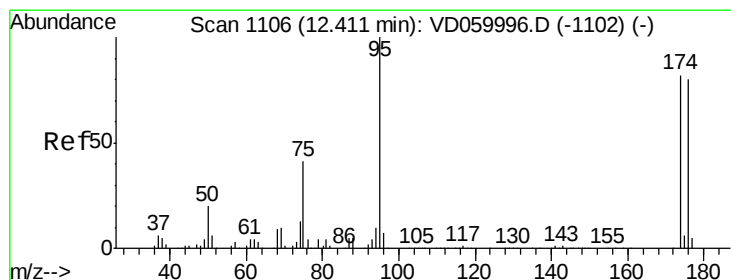
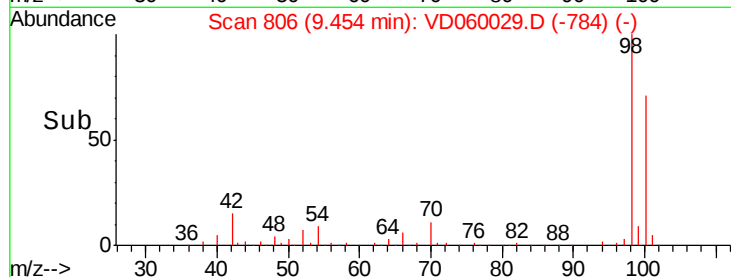
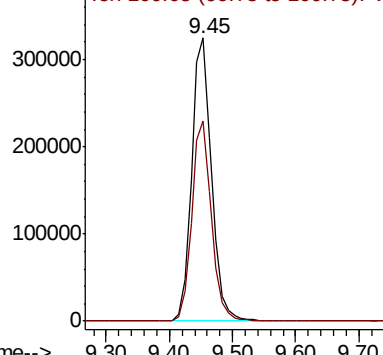
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 806
Delta R.T. 0.01 min
Lab File: VD060029.D
Acq: 17 Sep 2018 18:55

Instrument :
MSVOA_D
ClientSampleId :
RBR200051RE

Tgt Ion: 98 Resp: 710511
Ion Ratio Lower Upper
98 100
100 70.8 55.8 83.6

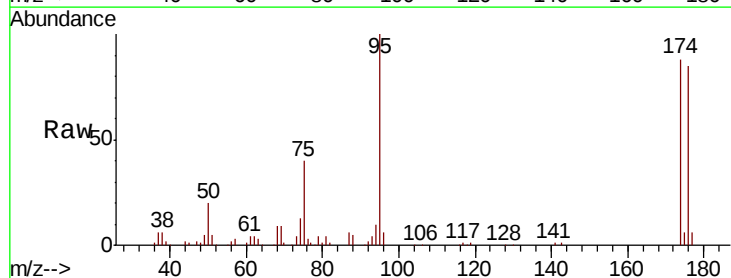


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

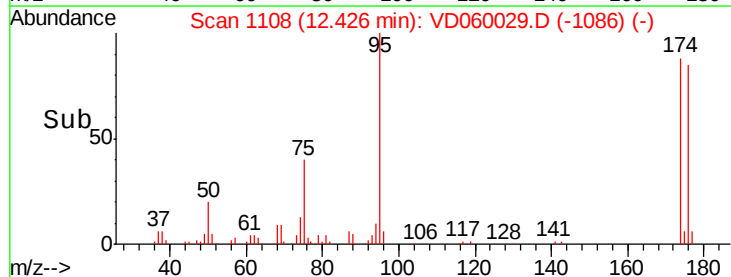
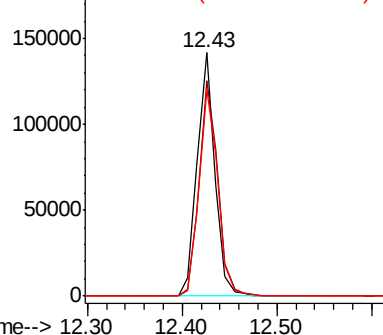


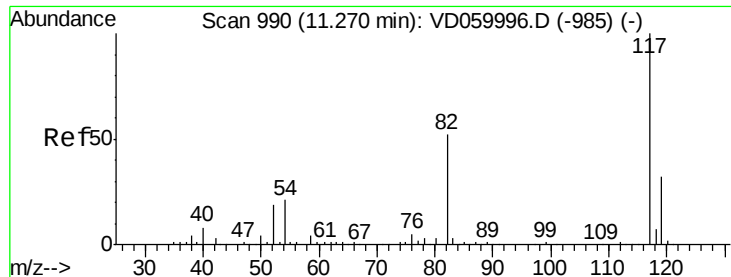
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VD060029.D
Acq: 17 Sep 2018 18:55

Tgt Ion: 95 Resp: 183494
Ion Ratio Lower Upper
95 100
174 88.5 0.0 165.0
176 84.8 0.0 160.2



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

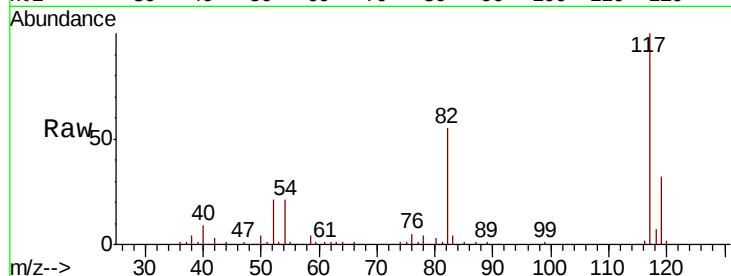




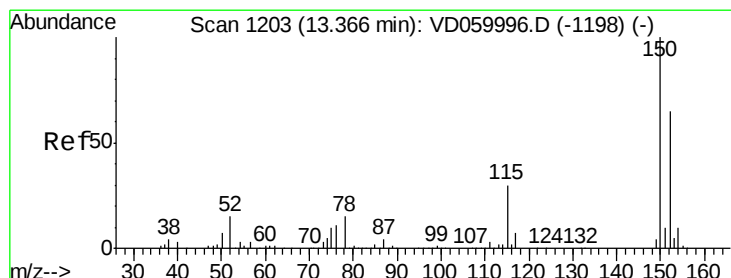
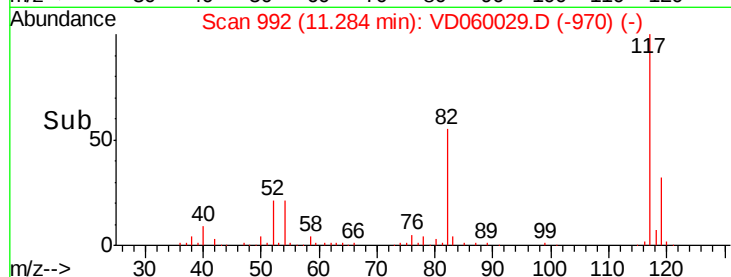
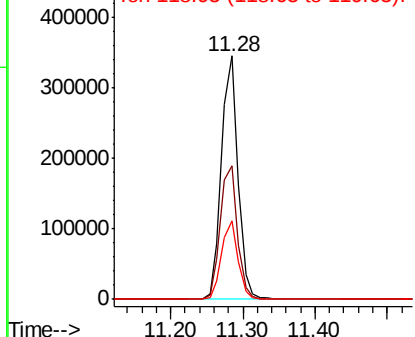
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.01 min
Lab File: VD060029.D
Acq: 17 Sep 2018 18:55

Instrument :
MSVOA_D
ClientSampleId :
RBR200051RE

Tgt Ion:117 Resp: 545632
Ion Ratio Lower Upper
117 100
82 54.6 41.7 62.5
119 32.2 26.0 39.0

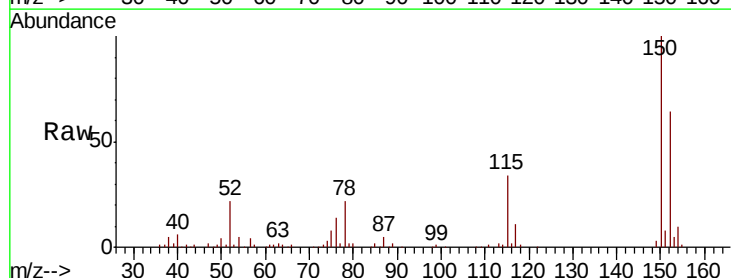


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

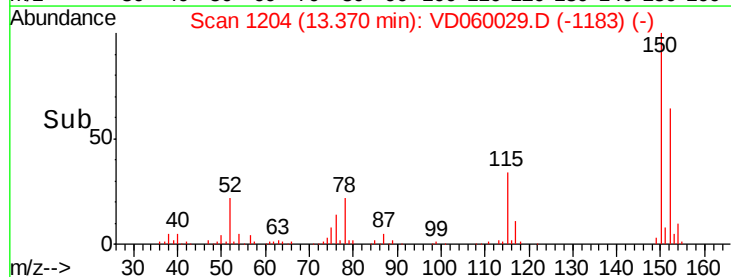
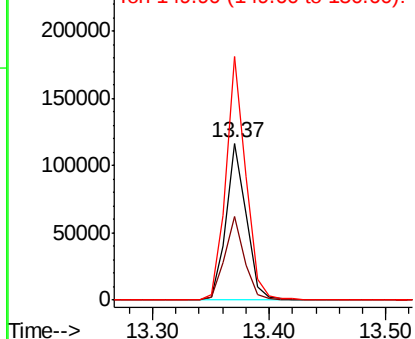


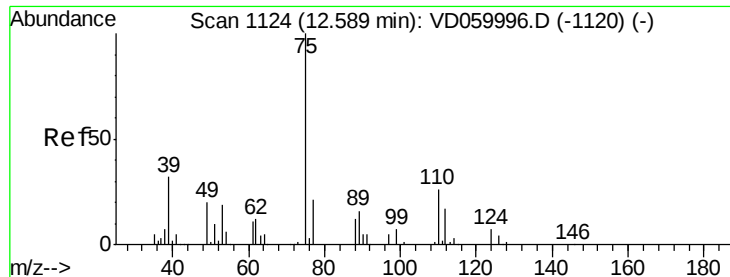
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.00 min
Lab File: VD060029.D
Acq: 17 Sep 2018 18:55

Tgt Ion:152 Resp: 141070
Ion Ratio Lower Upper
152 100
115 53.1 24.6 73.8
150 155.4 0.0 313.4



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

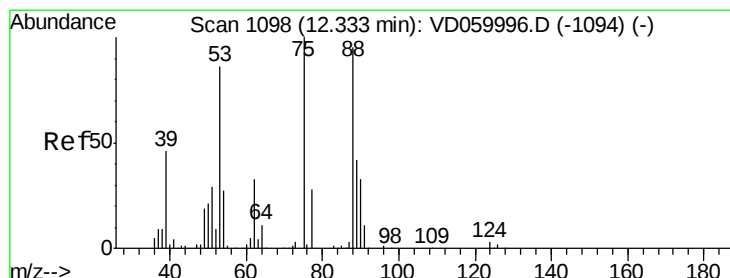
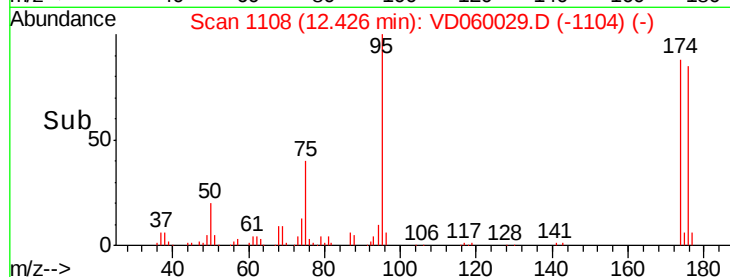
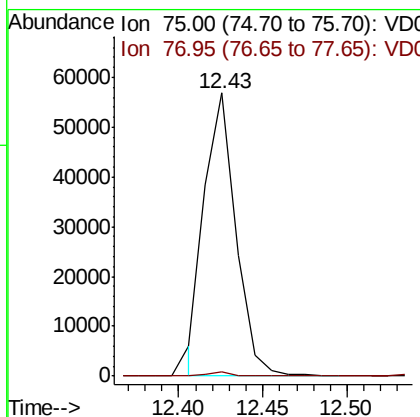
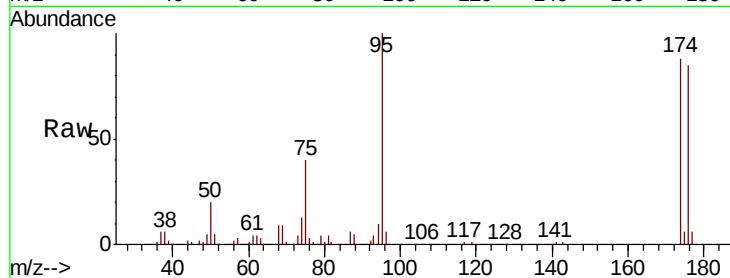




#76
 1,2,3-Trichloropropane
 Concen: 34.345 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. -0.16 min
 Lab File: VD060029.D
 Acq: 17 Sep 2018 18:55

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR200051RE

Tgt Ion: 75 Resp: 73997
 Ion Ratio Lower Upper
 75 100
 77 1.4 16.4 49.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.174 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. 0.09 min
 Lab File: VD060029.D
 Acq: 17 Sep 2018 18:55

Tgt Ion: 75 Resp: 77508
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.4 102.6#
 89 0.0 33.8 50.6#

