

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091418\
 Data File : VD060005.D
 Acq On : 14 Sep 2018 12:54
 Operator : JC/SY
 Sample : J4780-01RE
 Misc : 6.51g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-091118RE

Quant Time: Sep 14 13:29:17 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	6.38	168	1320387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	1735597	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1339881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	534095	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	470823	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	
35) Dibromofluoromethane	6.30	113	598686	44.15	ug/l	0.00
Spiked Amount			Recovery	=	88.30%	
50) Toluene-d8	9.44	98	1610462	42.86	ug/l	0.00
Spiked Amount			Recovery	=	85.72%	
62) 4-Bromofluorobenzene	12.42	95	522306	36.38	ug/l	0.00
Spiked Amount			Recovery	=	72.76%	

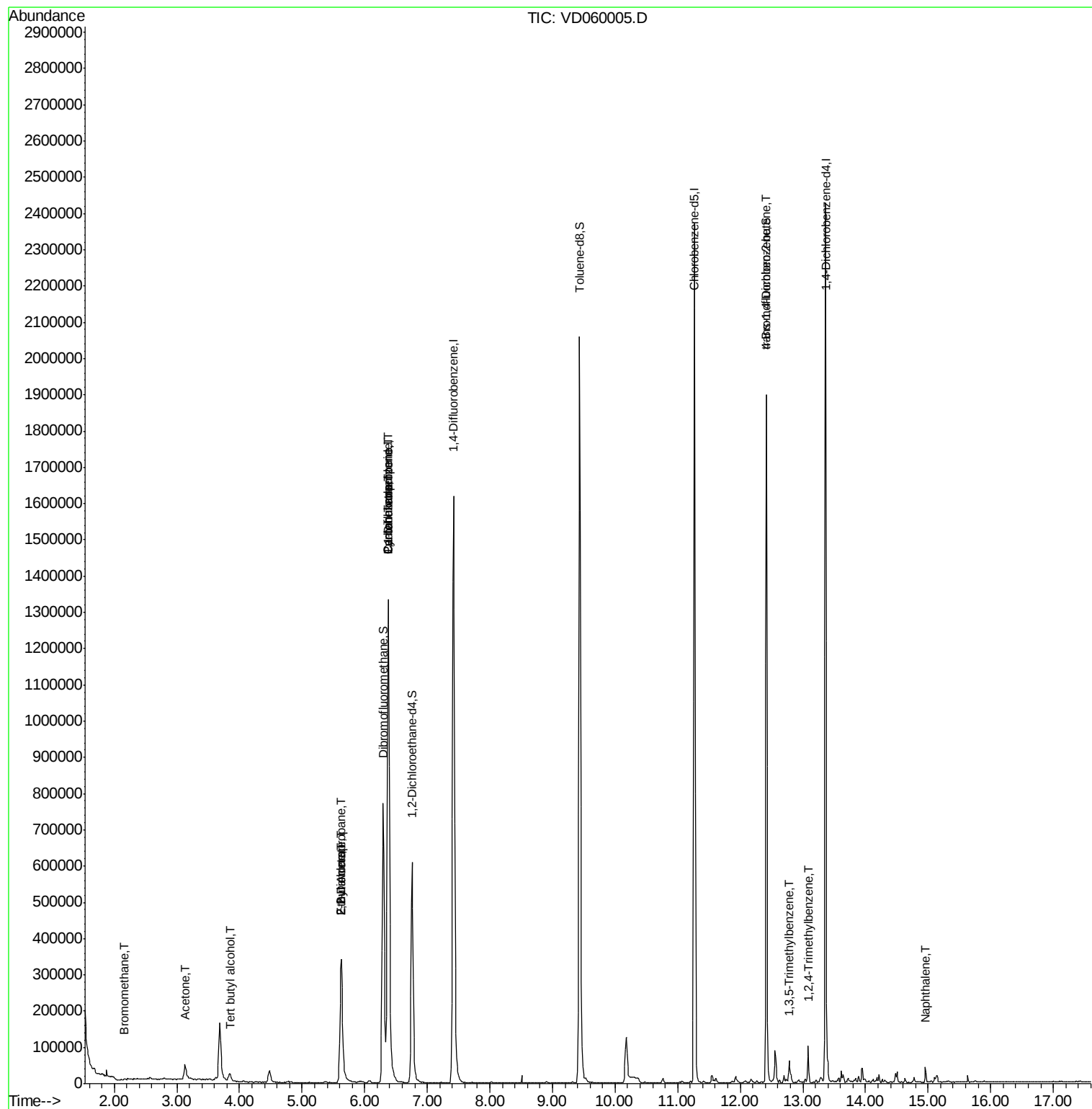
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	1617	1.38	ug/l #	1
11) Tert butyl alcohol	3.85	59	19086	22.97	ug/l #	74
16) Acetone	3.13	43	78226	39.35	ug/l	99
20) Methylene Chloride	3.69	84	92274	Below Cal		98
25) 2-Butanone	5.62	43	29881	5.57	ug/l #	89
26) 2,2-Dichloropropane	5.63	77	21310	1.17	ug/l #	50
31) Cyclohexane	6.37	56	25814	1.13	ug/l #	1
36) 1,1-Dichloropropene	6.37	75	89547	5.19	ug/l #	46
37) Ethyl Acetate	5.62	43	29881	2.52	ug/l #	25
38) Carbon Tetrachloride	6.37	117	106946	6.65	ug/l #	16
51) 4-Methyl-2-Pentanone	9.33	43	4420	Below Cal		89
59) 2-Hexanone	10.48	43	3313	Below Cal		92
80) 1,3,5-Trimethylbenzene	12.78	105	26969	1.00	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.42	75	209718	85.17	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.09	105	44779	1.56	ug/l	97
89) n-Butylbenzene	13.64	91	6328	Below Cal		99
91) 1,2-Dichlorobenzene	13.65	146	3095	Below Cal		84
95) Naphthalene	14.96	128	25446	1.32	ug/l	98

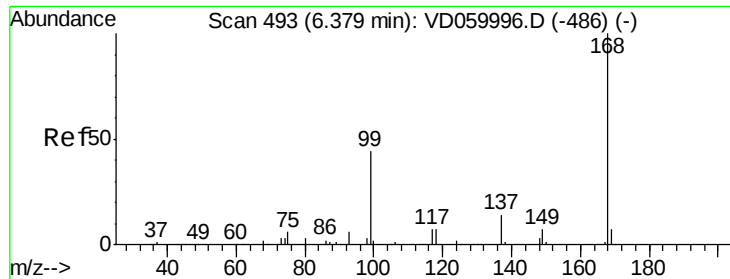
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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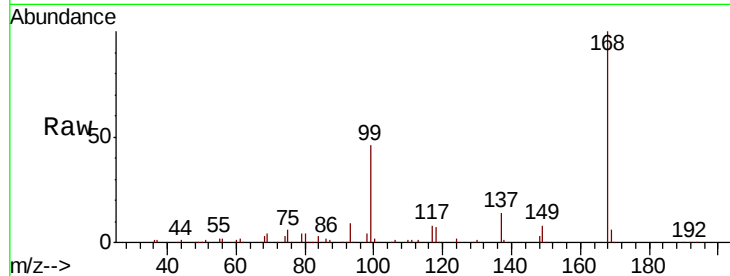


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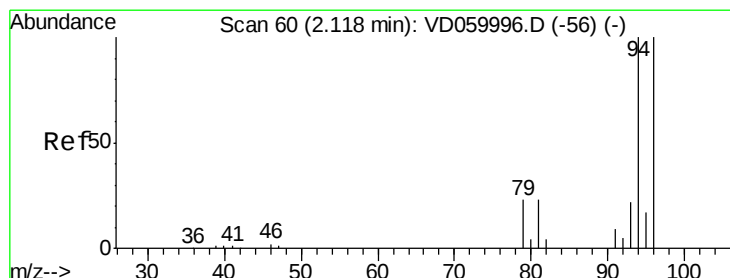
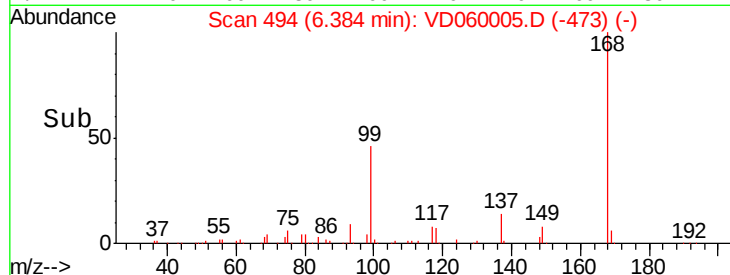
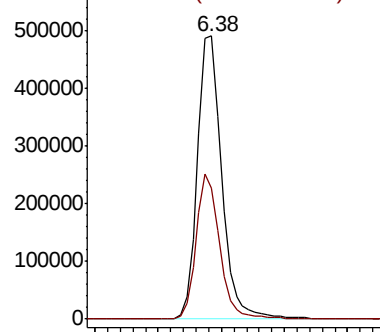
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 6.38 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VD060005.D
 Acq: 14 Sep 2018 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-091118RE

Tot Ion:168 Resp: 1320387
 Ion Ratio Lower Upper
 168 100
 99 46.2 38.5 57.7



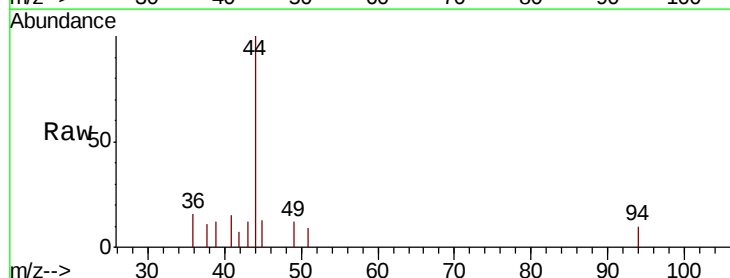
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.95 (98.65 to 99.65): VDC



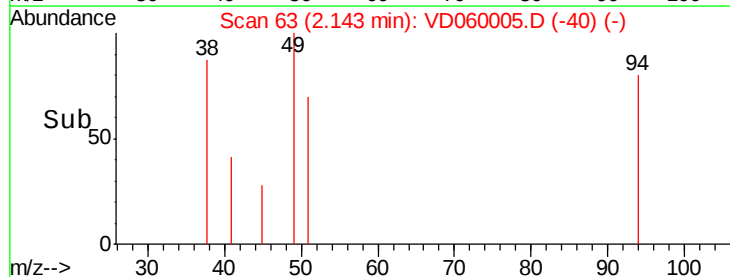
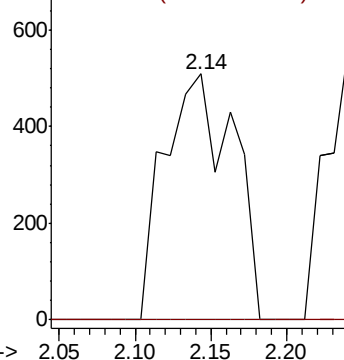
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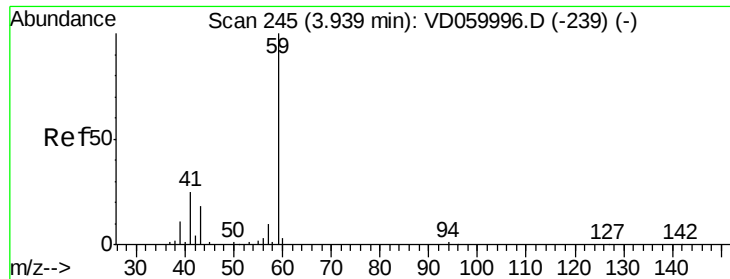
Bromomethane
 Concen: 1.38 ug/l
 RT: 2.14 min Scan# 63
 Delta R.T. 0.03 min
 Lab File: VD060005.D
 Acq: 14 Sep 2018 12:54

Tgt Ion: 94 Resp: 1617
 Ion Ratio Lower Upper
 94 100
 96 0.0 79.8 119.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC
 Ion 95.90 (95.60 to 96.60): VDC

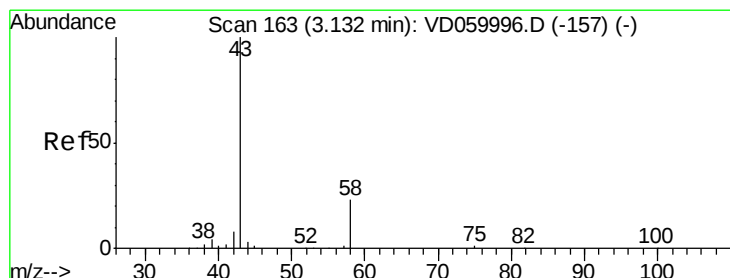
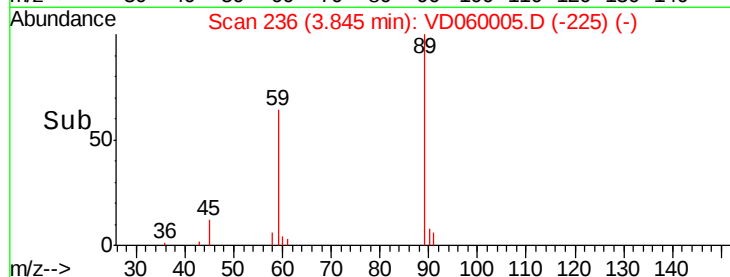
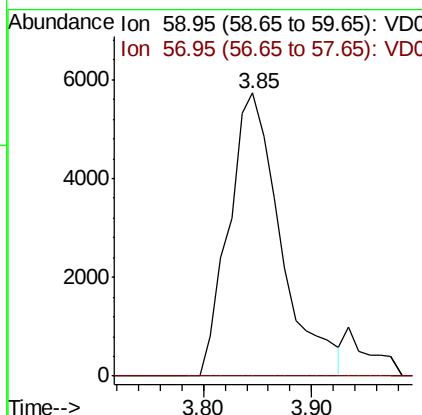
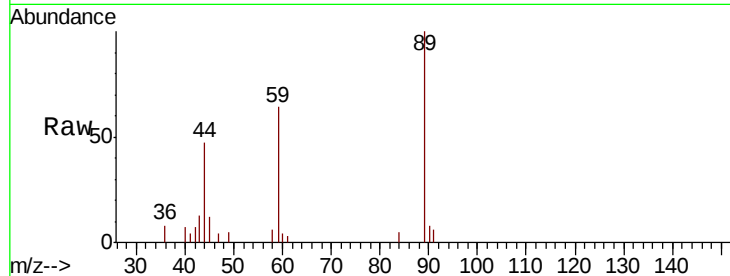




#11
Tert butyl alcohol
Concen: 22.97 ug/l
RT: 3.85 min Scan# 236
Delta R.T. -0.09 min
Lab File: VD060005.D
Acq: 14 Sep 2018 12:54

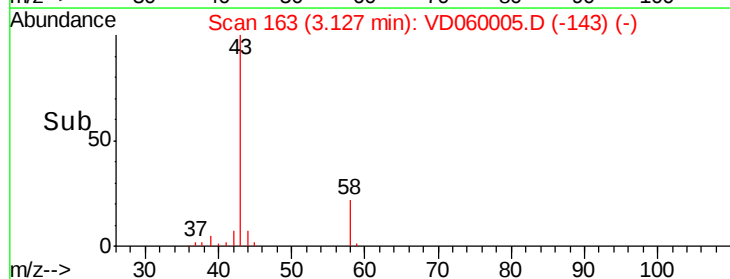
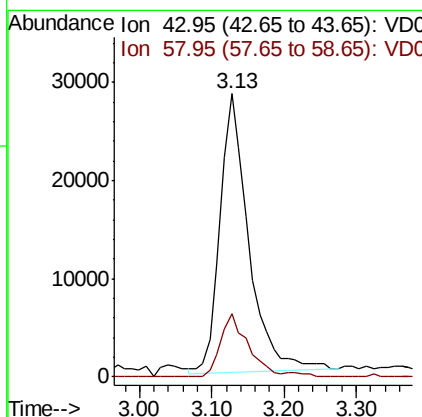
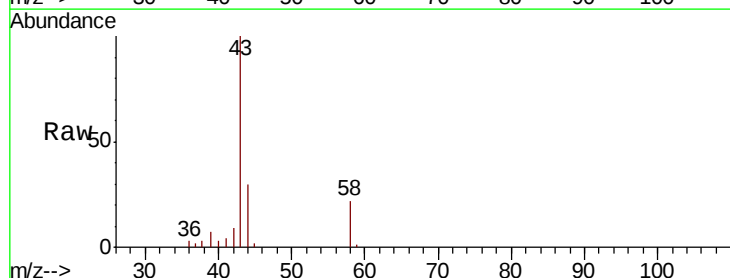
Instrument :
MSVOA_D
ClientSampleId :
TR-04-091118RE

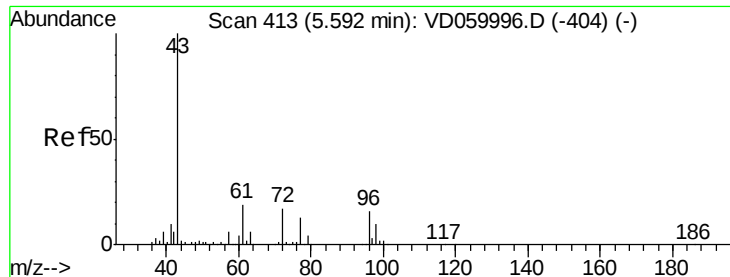
Tot Ion: 59 Resp: 19086
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 39.35 ug/l
RT: 3.13 min Scan# 163
Delta R.T. -0.00 min
Lab File: VD060005.D
Acq: 14 Sep 2018 12:54

Tgt Ion: 43 Resp: 78226
Ion Ratio Lower Upper
43 100
58 22.3 18.1 27.1





#25

2-Butanone

Concen: 5.57 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.03 min

Lab File: VD060005.D

Acq: 14 Sep 2018 12:54

Instrument :

MSVOA_D

ClientSampleId :

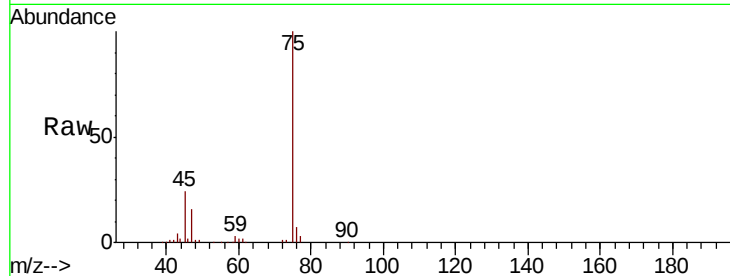
TR-04-091118RE

Tot Ion: 43 Resp: 29881

Ion Ratio Lower Upper

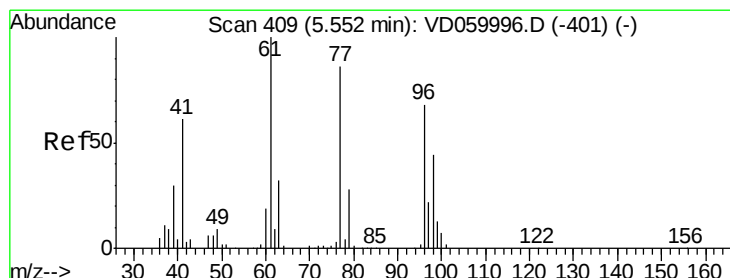
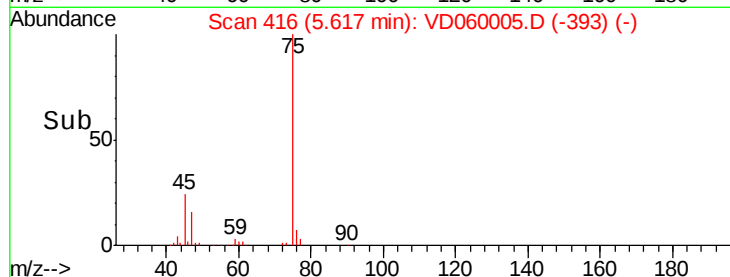
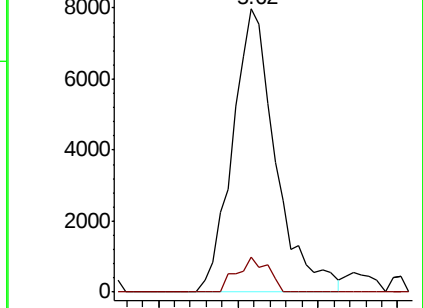
43 100

72 12.3 13.6 20.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 1.17 ug/l

RT: 5.63 min Scan# 417

Delta R.T. 0.07 min

Lab File: VD060005.D

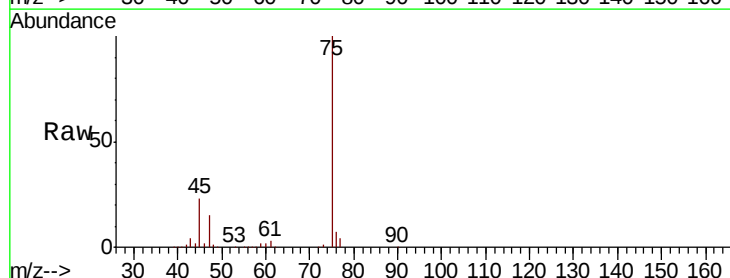
Acq: 14 Sep 2018 12:54

Tgt Ion: 77 Resp: 21310

Ion Ratio Lower Upper

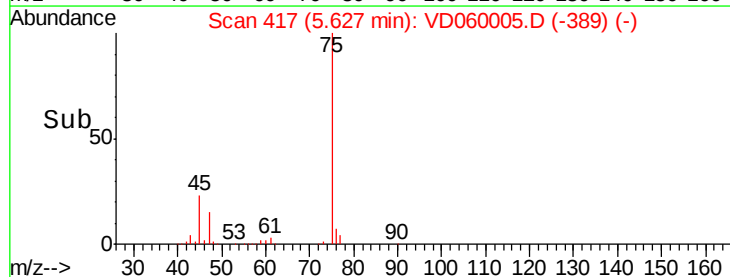
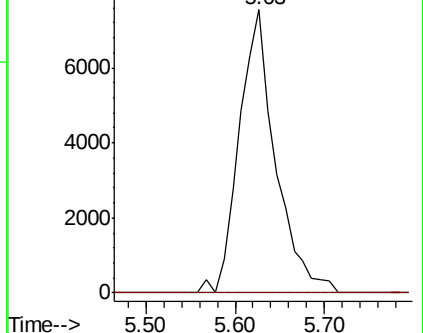
77 100

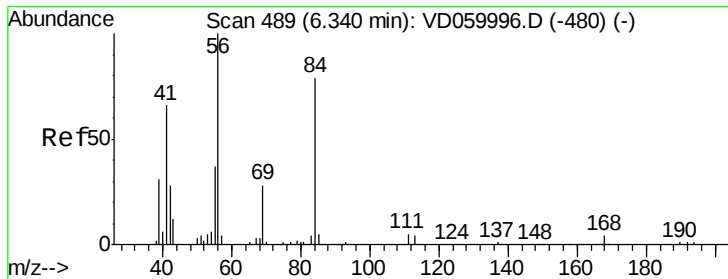
97 0.0 12.7 38.1#



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

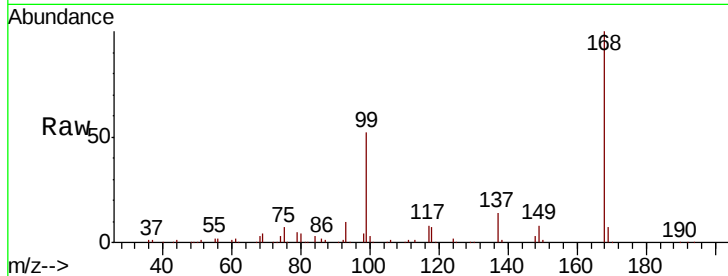




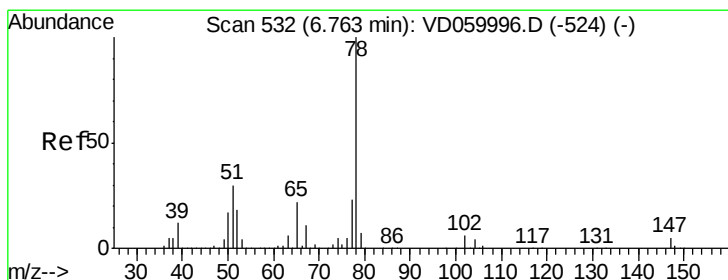
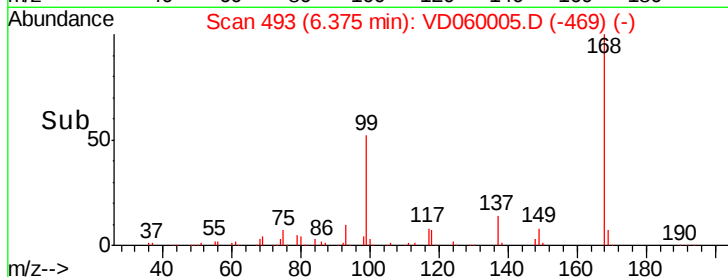
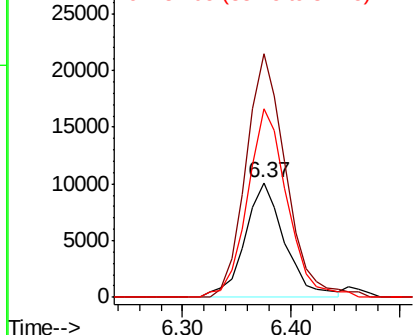
#31
Cvclohexane
Concen: 1.13 ug/l
RT: 6.37 min Scan# 493
Delta R.T. 0.03 min
Lab File: VD060005.D
Acq: 14 Sep 2018 12:54

Instrument :
MSVOA_D
ClientSampleId :
TR-04-091118RE

Tot Ion: 56 Resp: 25814
Ion Ratio Lower Upper
56 100
69 212.6 22.7 34.1#
84 164.5 64.0 96.0#

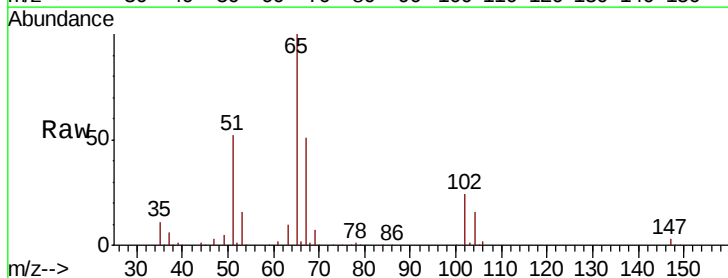


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

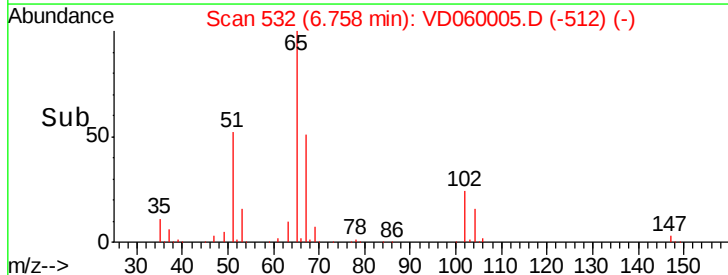
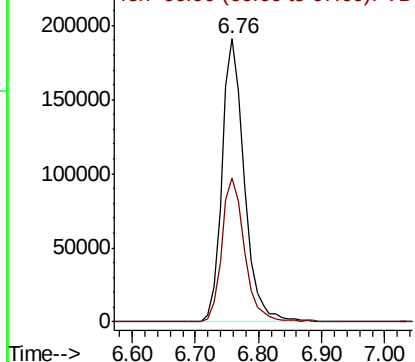


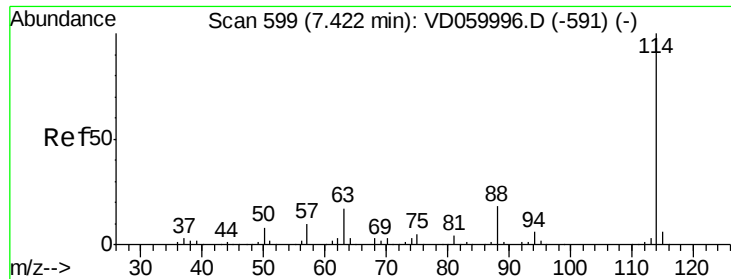
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.76 min Scan# 532
Delta R.T. -0.00 min
Lab File: VD060005.D
Acq: 14 Sep 2018 12:54

Tgt Ion: 65 Resp: 470823
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.8



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

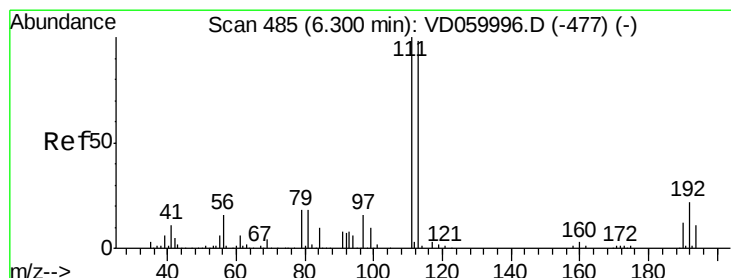
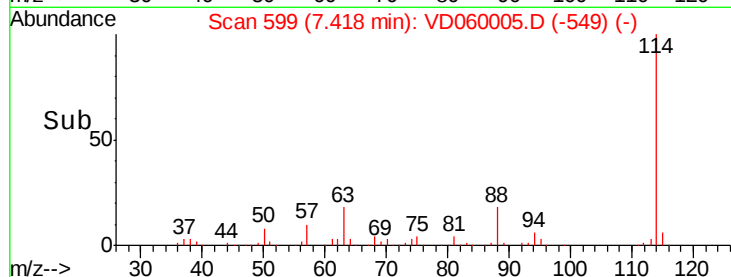
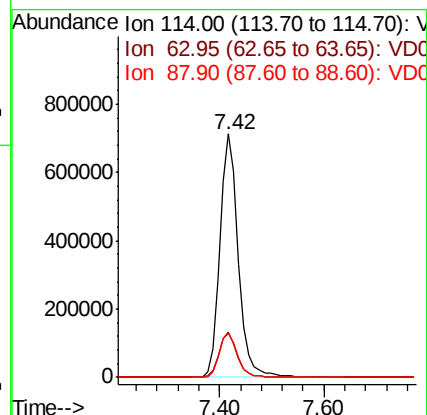
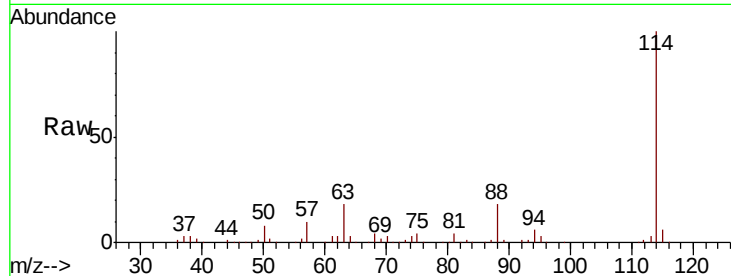




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.00 min
 Lab File: VD060005.D
 Acq: 14 Sep 2018 12:54

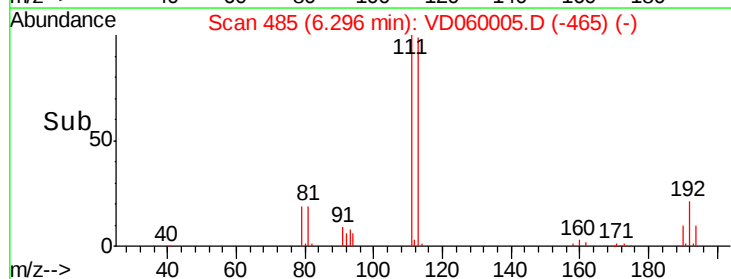
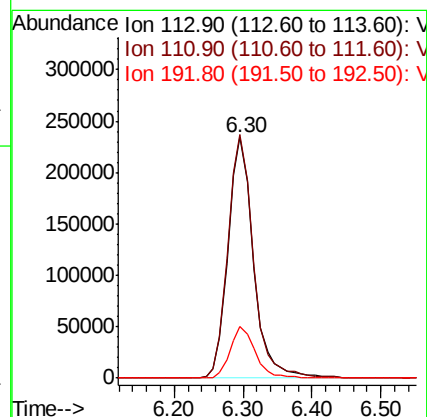
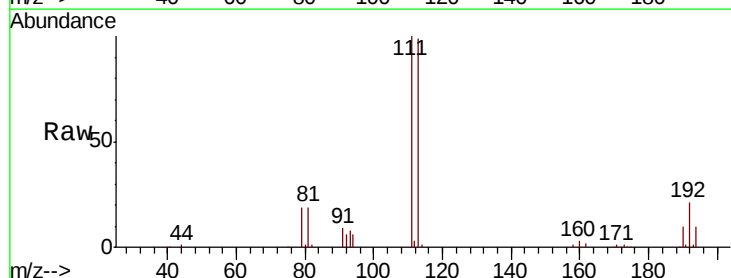
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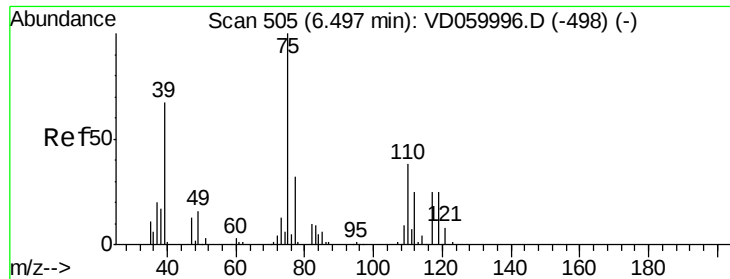
Tot Ion:114 Resp: 1735597
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 34.4
 88 18.1 0.0 35.8



#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.30 min Scan# 485
 Delta R.T. -0.00 min
 Lab File: VD060005.D
 Acq: 14 Sep 2018 12:54

Tgt Ion:113 Resp: 598686
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.3 121.9
 192 21.3 18.1 27.1

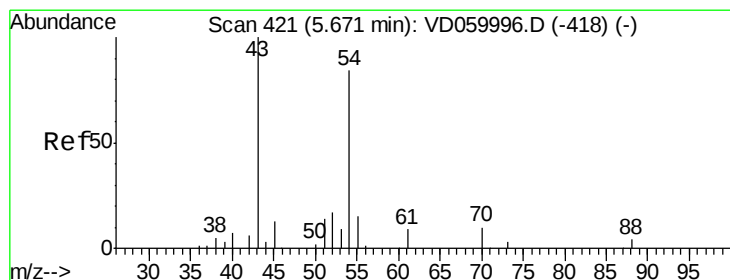
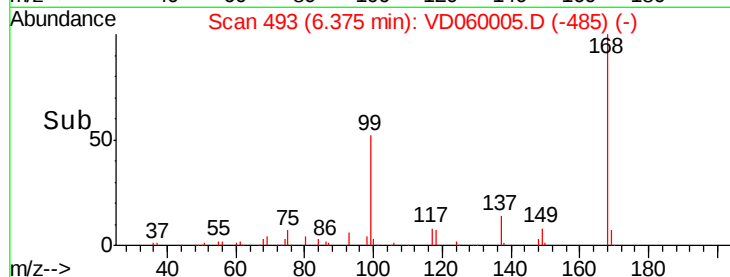
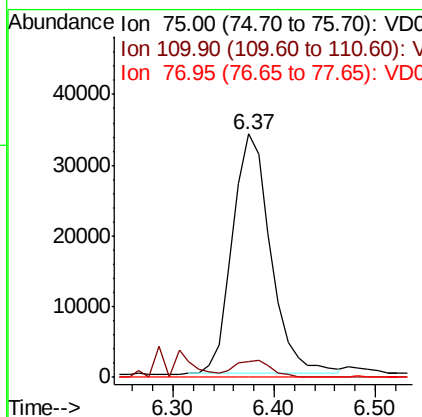
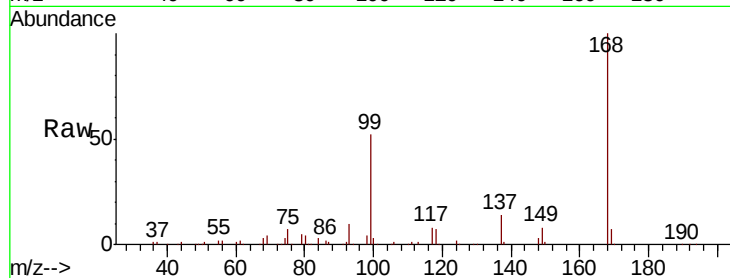




#36
 1,1-Dichloropropene
 Concen: 5.19 ug/l
 RT: 6.37 min Scan# 493
 Delta R.T. -0.12 min
 Lab File: VD060005.D
 Acq: 14 Sep 2018 12:54

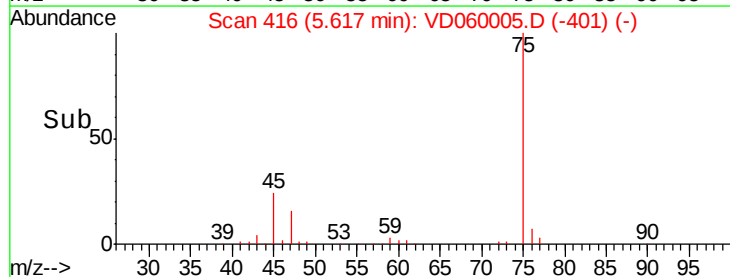
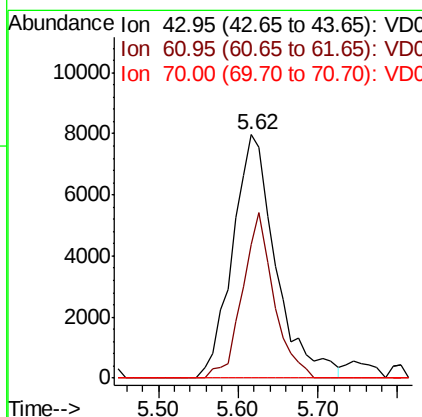
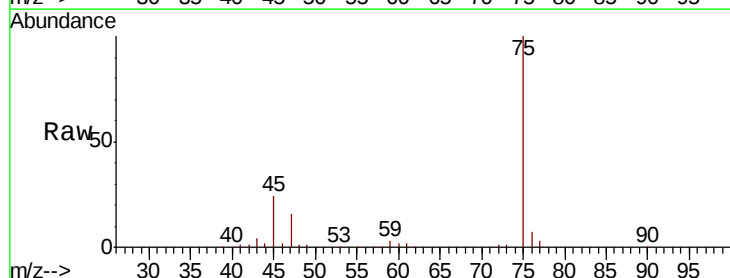
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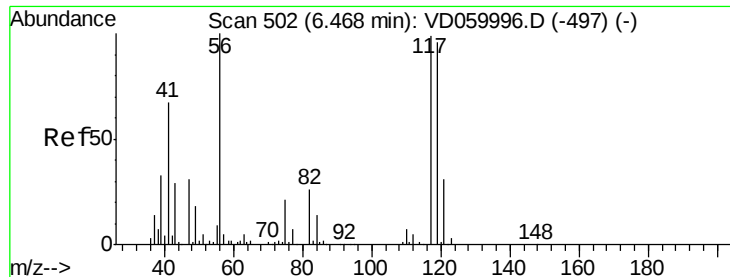
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.3	18.9	56.9#
77	0.0	25.3	37.9#



#37
 Ethyl Acetate
 Concen: 2.52 ug/l
 RT: 5.62 min Scan# 416
 Delta R.T. -0.05 min
 Lab File: VD060005.D
 Acq: 14 Sep 2018 12:54

Tgt Ion	Ratio	Lower	Upper
43	100		
61	55.1	10.2	15.2#
70	0.0	6.1	9.1#

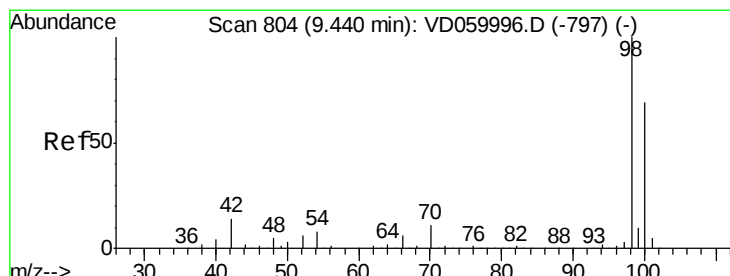
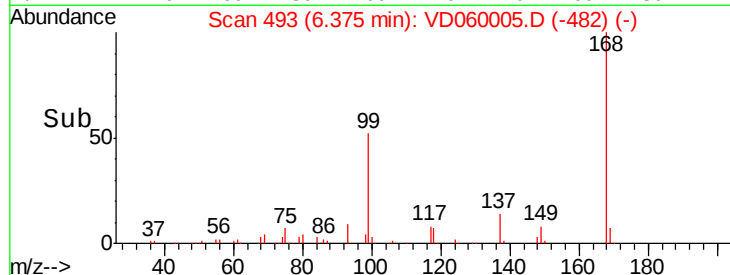
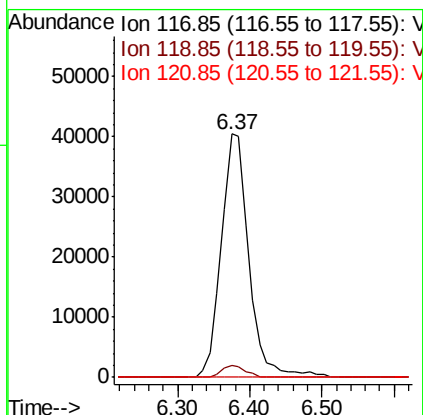
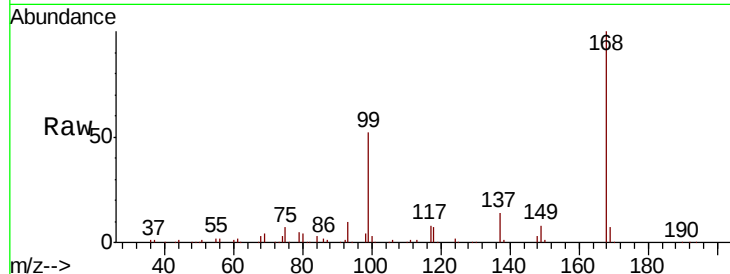




#38
Carbon Tetrachloride
Concen: 6.65 ug/l
RT: 6.37 min Scan# 493
Delta R.T. -0.09 min
Lab File: VD060005.D
Acq: 14 Sep 2018 12:54

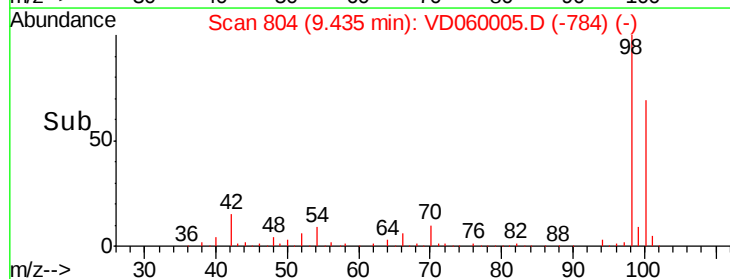
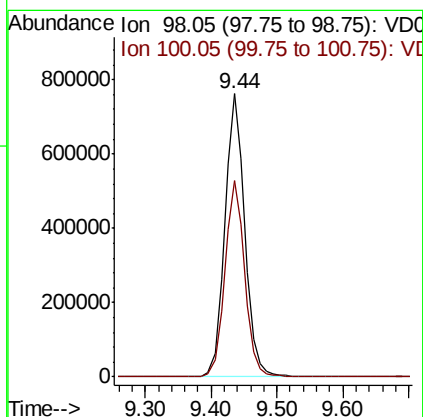
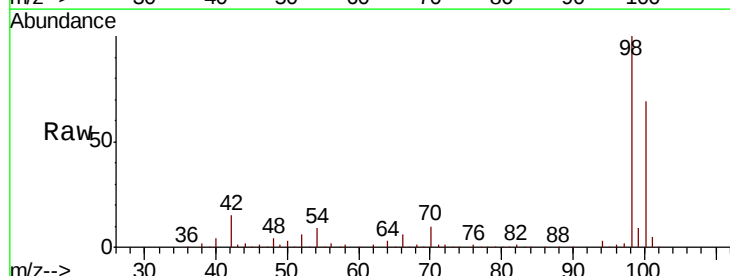
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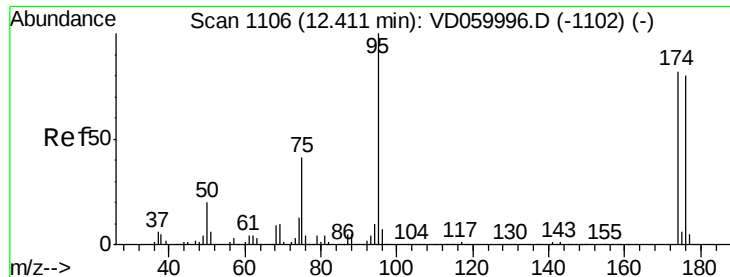
Tot Ion:117 Resp: 106946
Ion Ratio Lower Upper
117 100
119 4.8 76.7 115.1#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 804
Delta R.T. -0.00 min
Lab File: VD060005.D
Acq: 14 Sep 2018 12:54

Tgt Ion: 98 Resp: 1610462
Ion Ratio Lower Upper
98 100
100 69.4 55.8 83.6





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD060005.D

Acq: 14 Sep 2018 12:54

Instrument :

MSVOA_D

ClientSampleId :

TR-04-091118RE

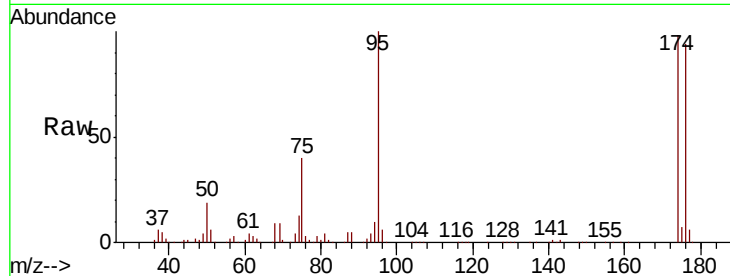
Tot Ion: 95 Resp: 522306

Ion Ratio Lower Upper

95 100

174 97.9 0.0 165.0

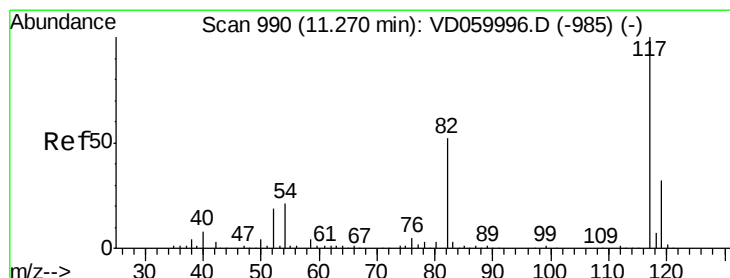
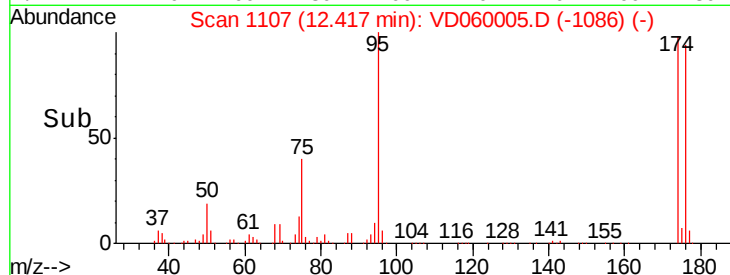
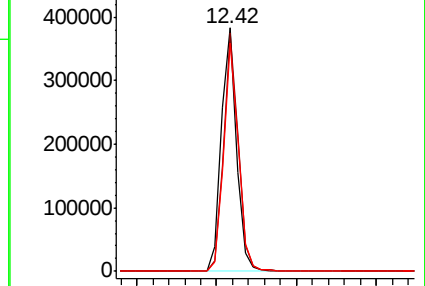
176 93.8 0.0 160.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VD060005.D

Acq: 14 Sep 2018 12:54

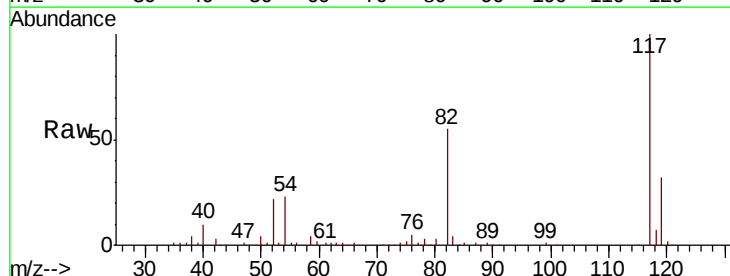
Tgt Ion: 117 Resp: 1339881

Ion Ratio Lower Upper

117 100

82 55.3 41.7 62.5

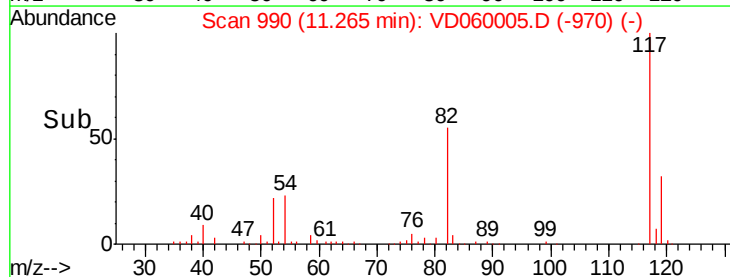
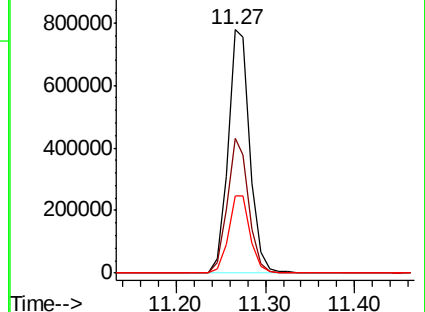
119 31.7 26.0 39.0

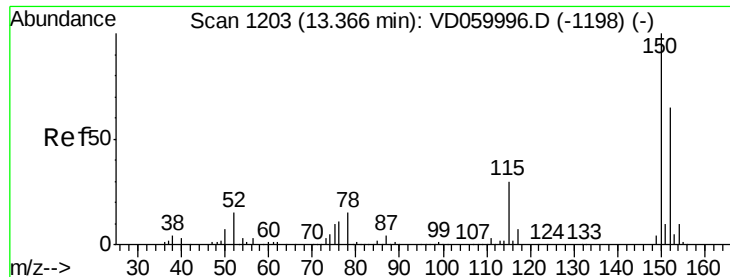


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD060005.D

Acq: 14 Sep 2018 12:54

Instrument :

MSVOA_D

ClientSampleId :

TR-04-091118RE

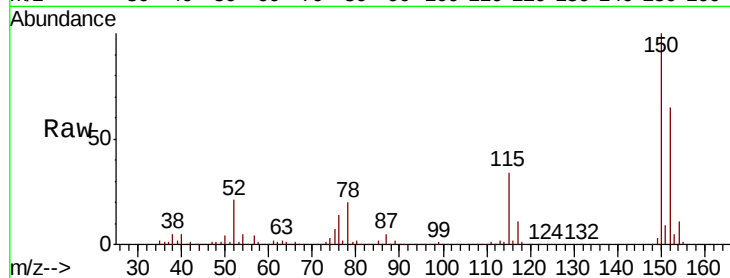
Tot Ion:152 Resp: 534095

Ion Ratio Lower Upper

152 100

115 51.7 24.6 73.8

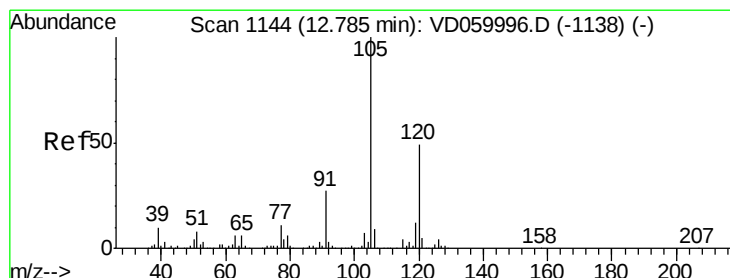
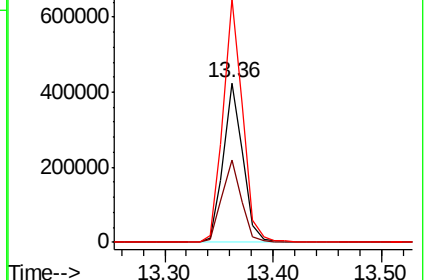
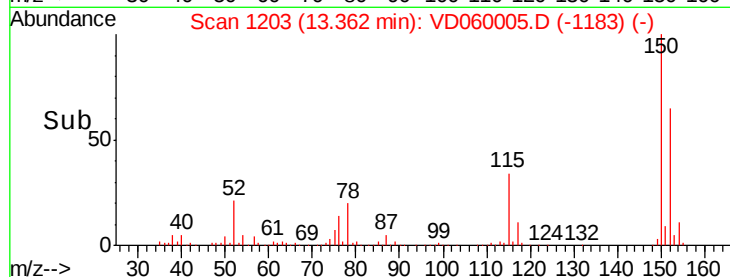
150 152.8 0.0 313.4



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



#80

1,3,5-Trimethylbenzene

Concen: 1.00 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VD060005.D

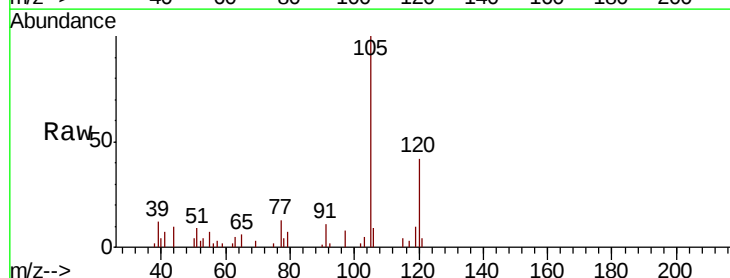
Acq: 14 Sep 2018 12:54

Tgt Ion:105 Resp: 26969

Ion Ratio Lower Upper

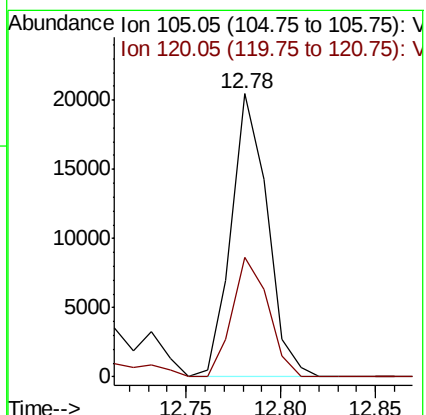
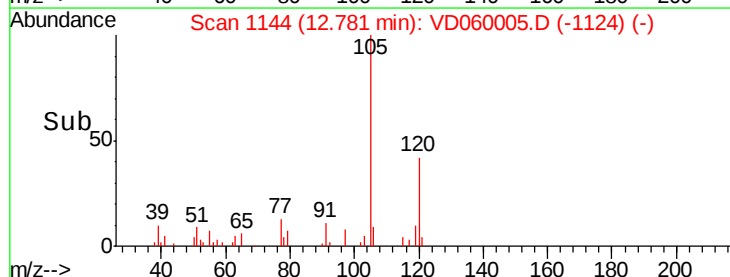
105 100

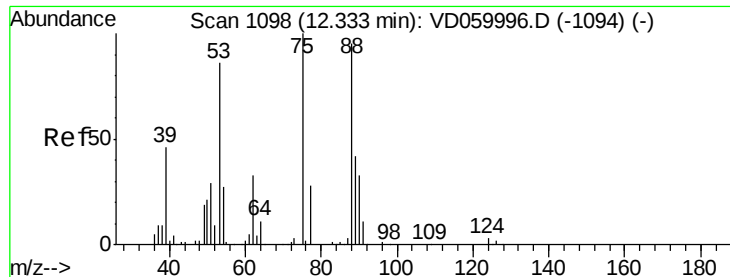
120 42.3 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 85.17 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.08 min

Lab File: VD060005.D

Acq: 14 Sep 2018 12:54

Instrument :

MSVOA_D

ClientSampleId :

TR-04-091118RE

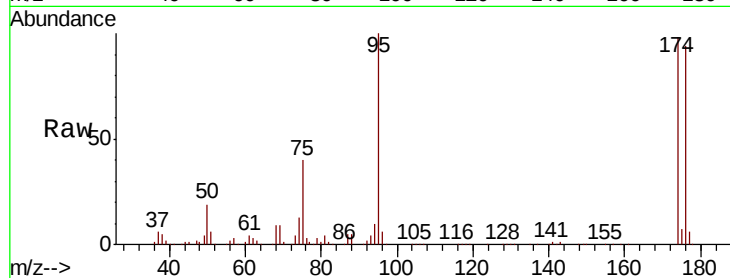
Tot Ion: 75 Resp: 209718

Ion Ratio Lower Upper

75 100

53 0.0 68.4 102.6#

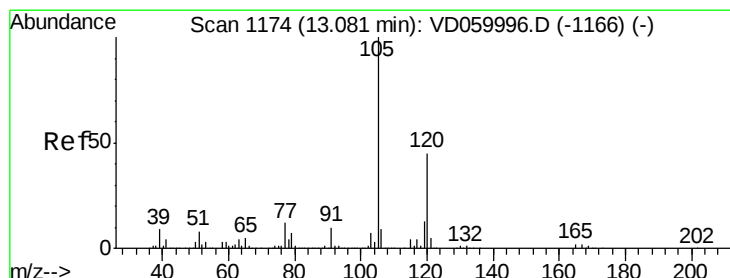
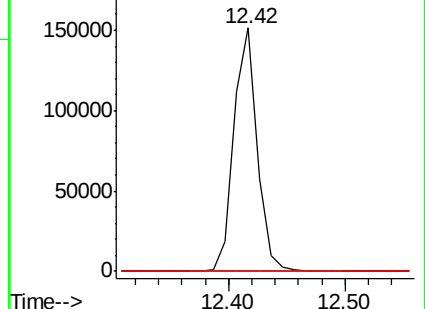
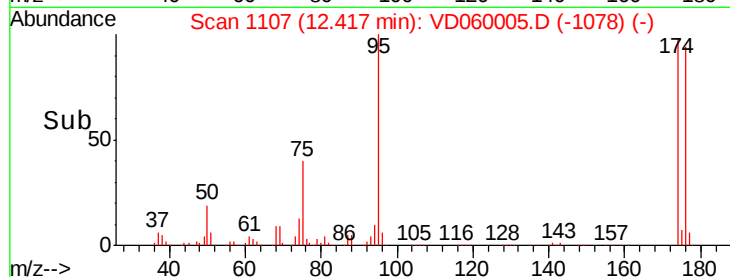
89 0.0 33.8 50.6#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.56 ug/l

RT: 13.09 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VD060005.D

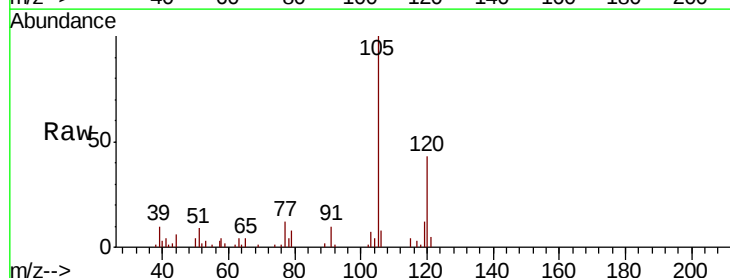
Acq: 14 Sep 2018 12:54

Tgt Ion: 105 Resp: 44779

Ion Ratio Lower Upper

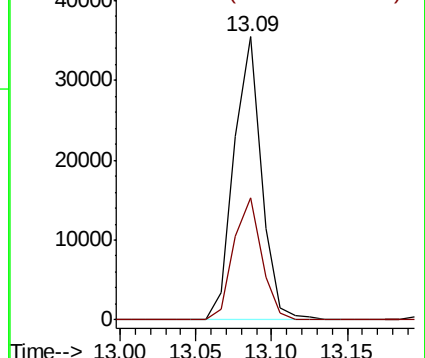
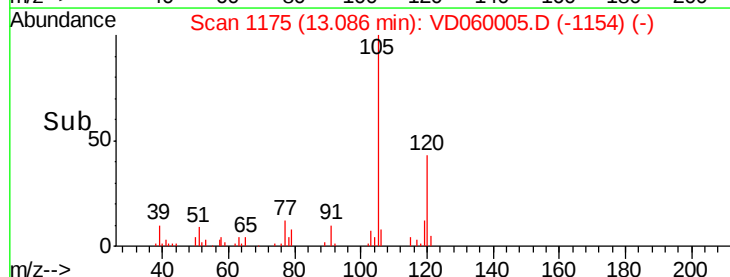
105 100

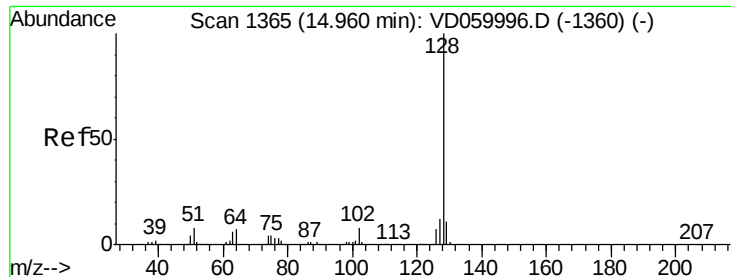
120 43.0 22.4 67.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#95

Naphthalene

Concen: 1.32 ug/l

RT: 14.96 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD060005.D

Acq: 14 Sep 2018 12:54

Instrument :

MSVOA_D

ClientSampleId :

TR-04-091118RE

Tot Ion:128 Resp: 25446

Ion Ratio Lower Upper

128 100

127 13.6 9.7 14.5

129 10.7 8.9 13.3

