

Data File : VW012013.D
Acq On : 20 Aug 2019 01:39
Operator : SY/VA
Sample : K4386-09
Misc : 5.17G/5ML/MSVOA_W/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T8-F-(0)

Quant Time: Aug 20 05:16:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	288593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	480585	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	382268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	139702	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	174142	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
35) Dibromofluoromethane	7.88	113	144116	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
50) Toluene-d8	10.32	98	573004	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
62) 4-Bromofluorobenzene	12.62	95	172725	43.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.78%	

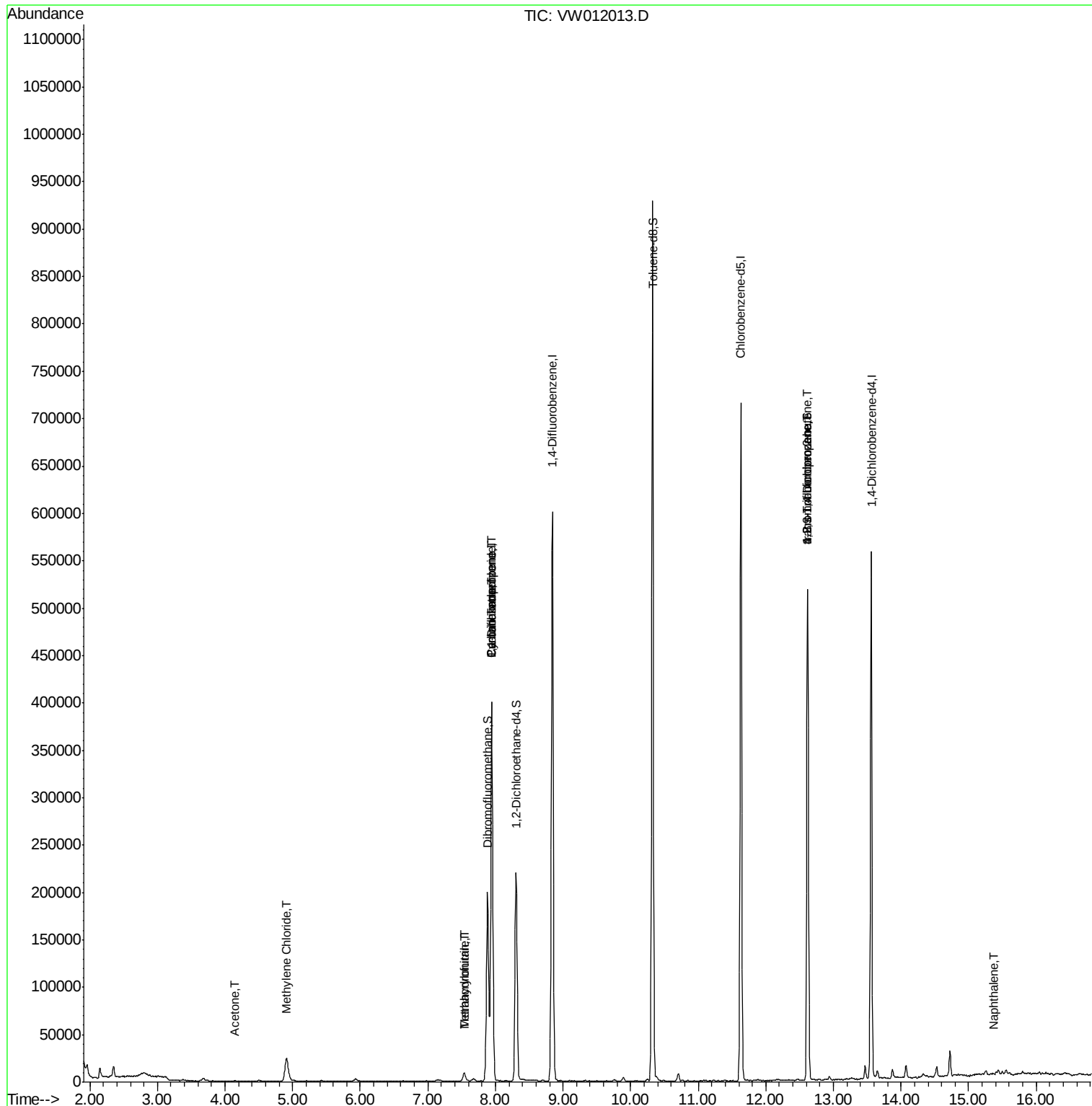
Target Compounds				Qvalue		
11) Tert butyl alcohol	5.18	59	267	Below Cal		96
16) Acetone	4.14	43	1195	1.134 ug/l #		85
20) Methylene Chloride	4.91	84	18306	5.035 ug/l		98
29) Tetrahydrofuran	7.54	42	8117	10.295 ug/l		99
31) Cyclohexane	7.95	56	6738	1.087 ug/l #		1
36) 1,1-Dichloropropene	7.95	75	24409	4.885 ug/l #		52
38) Carbon Tetrachloride	7.95	117	28583	6.681 ug/l #		16
41) Methacrylonitrile	7.54	41	5079	2.955 ug/l #		51
76) 1,2,3-Trichloropropane	12.62	75	91774	62.085 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.62	75	91774	143.084 ug/l #		6
95) Naphthalene	15.38	128	639	2.177 ug/l #		88

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

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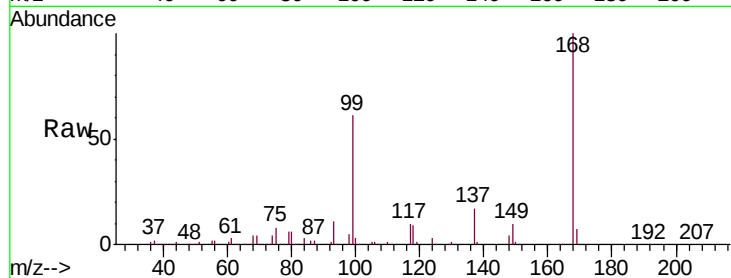
T8-F-(0)

Tgt Ion:168 Resp: 288593

Ion Ratio Lower Upper

168 100

99 61.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

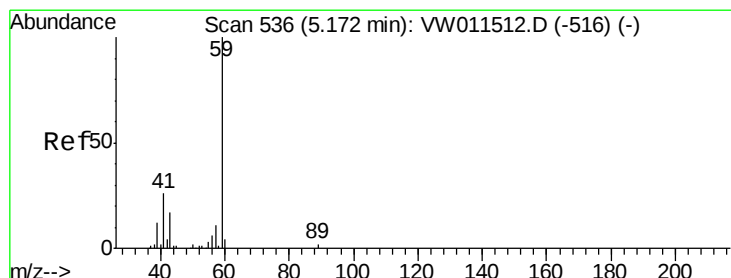
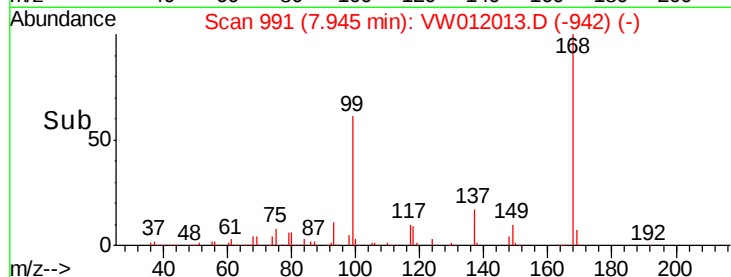
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW012013.D

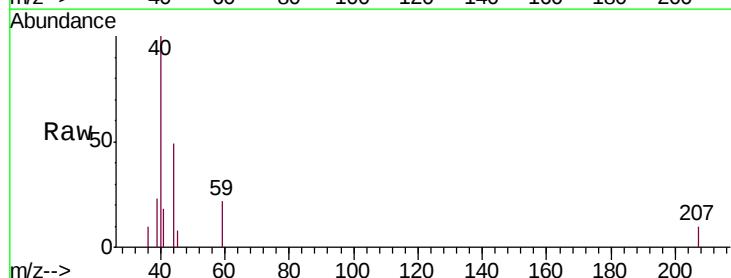
Acq: 20 Aug 2019 01:39

Tgt Ion: 59 Resp: 267

Ion Ratio Lower Upper

59 100

57 9.0 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

200

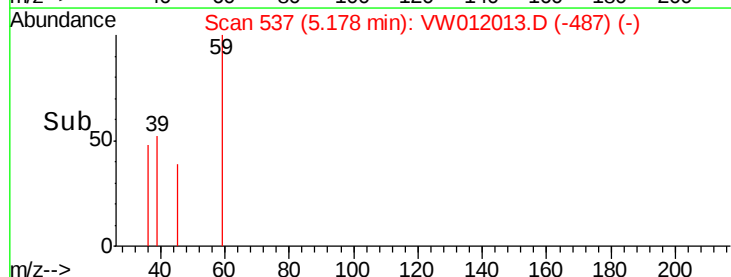
150

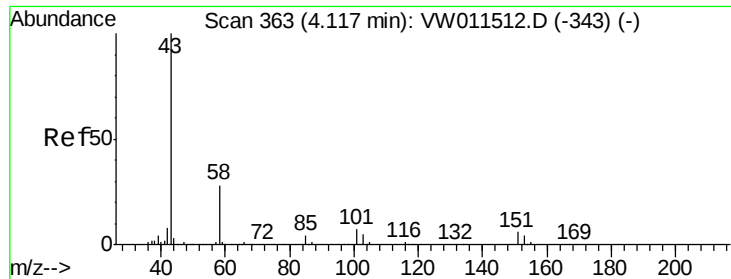
100

50

0

Time--> 5.14 5.16 5.18 5.20

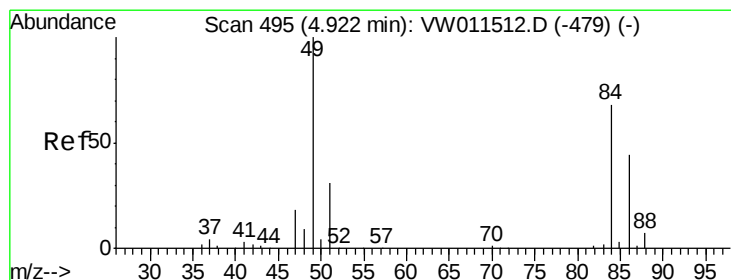
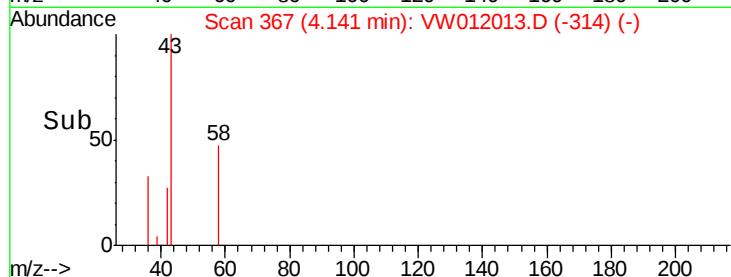
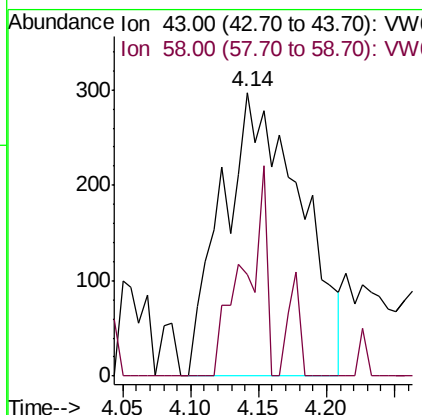
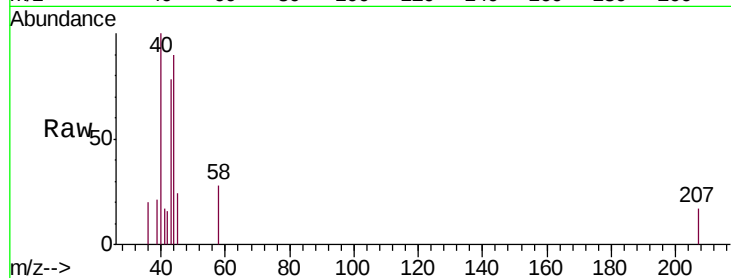




#16
Acetone
Concen: 1.134 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012013.D
Acq: 20 Aug 2019 01:39

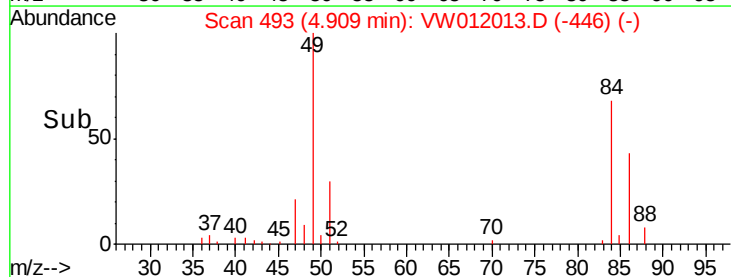
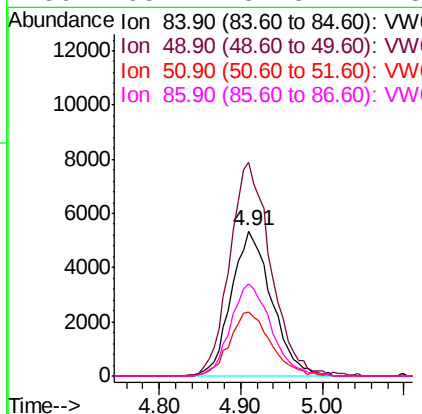
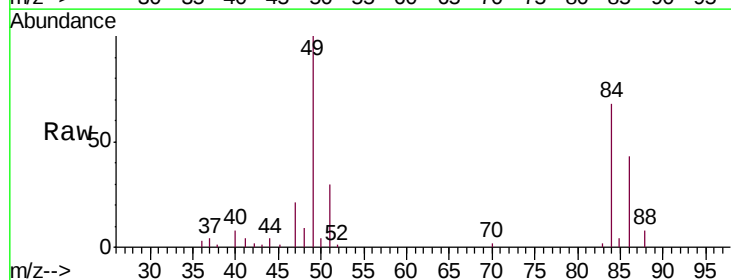
Instrument :
MSVOA_W
ClientSampleId :
T8-F-(0)

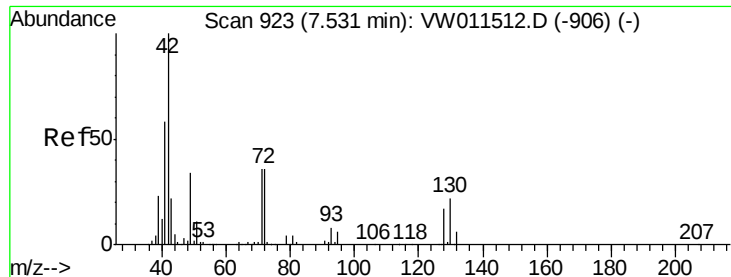
Tgt Ion: 43 Resp: 1195
Ion Ratio Lower Upper
43 100
58 36.0 22.3 33.5#



#20
Methylene Chloride
Concen: 5.035 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012013.D
Acq: 20 Aug 2019 01:39

Tgt Ion: 84 Resp: 18306
Ion Ratio Lower Upper
84 100
49 146.1 117.8 176.6
51 43.8 37.0 55.4
86 63.4 51.8 77.8

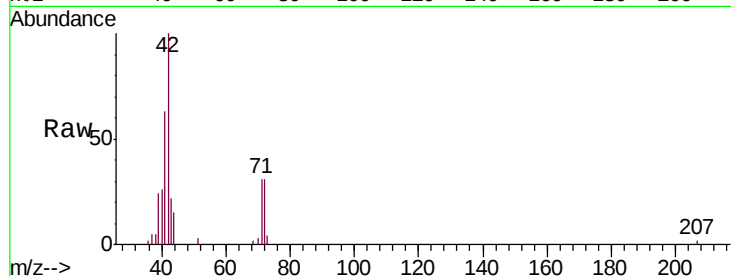




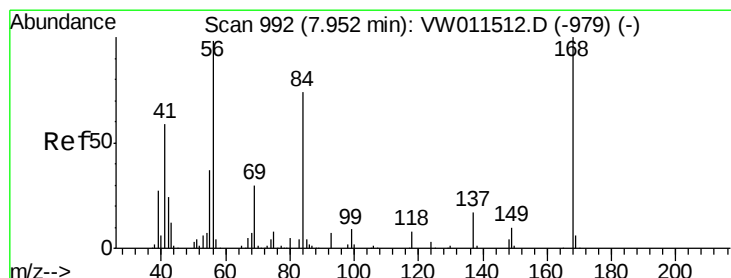
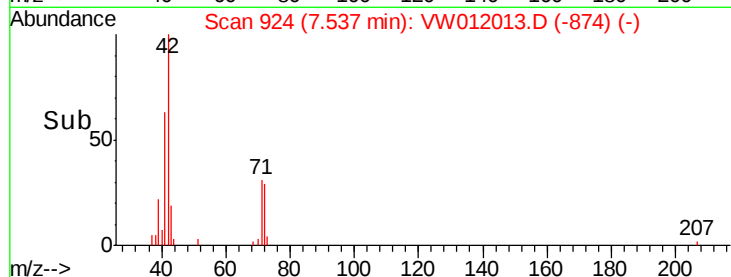
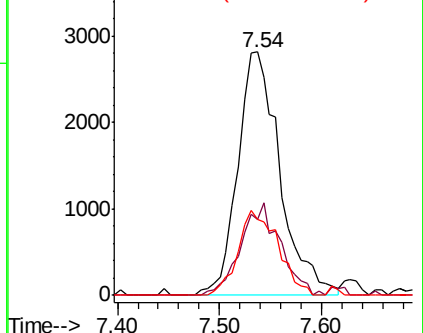
#29
Tetrahydrofuran
Concen: 10.295 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012013.D
Acq: 20 Aug 2019 01:39

Instrument :
MSVOA_W
ClientSampleId :
T8-F-(0)

Tgt Ion: 42 Resp: 8117
Ion Ratio Lower Upper
42 100
72 35.5 27.1 40.7
71 32.9 26.2 39.4

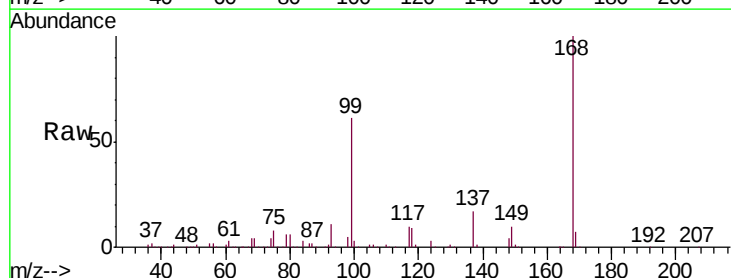


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

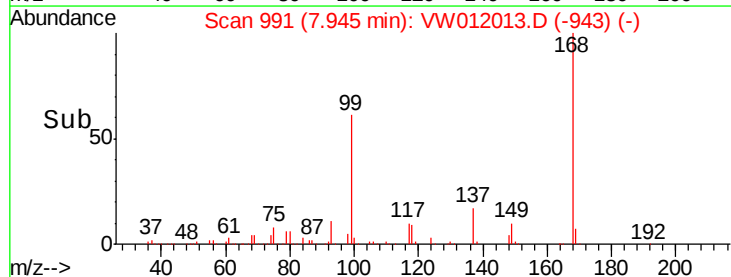
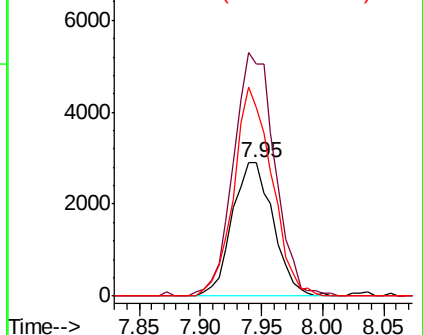


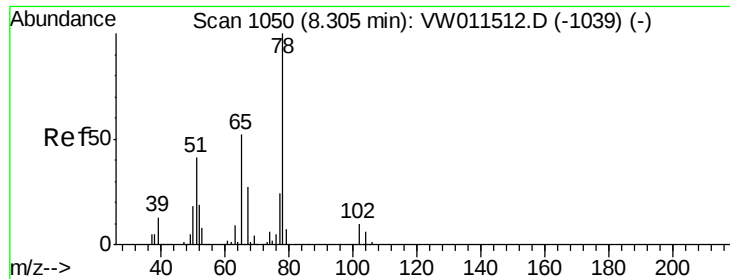
#31
Cyclohexane
Concen: 1.087 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012013.D
Acq: 20 Aug 2019 01:39

Tgt Ion: 56 Resp: 6738
Ion Ratio Lower Upper
56 100
69 173.9 24.3 36.5#
84 141.3 60.4 90.6#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

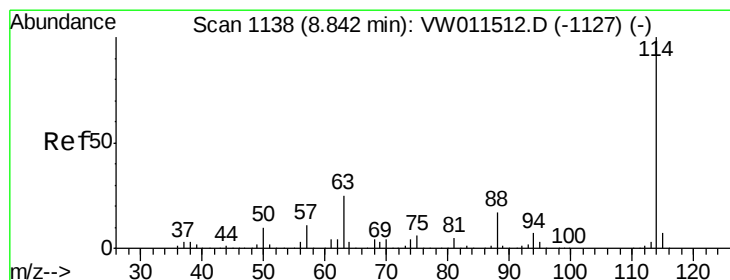
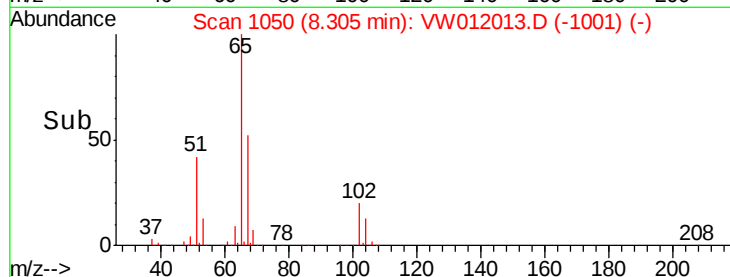
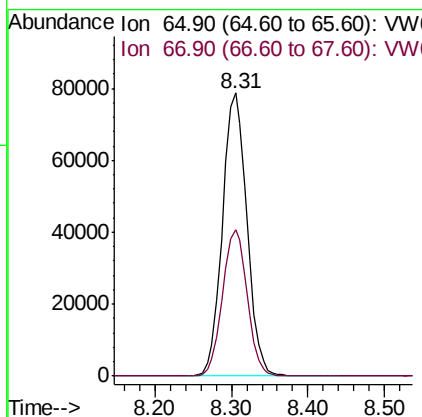
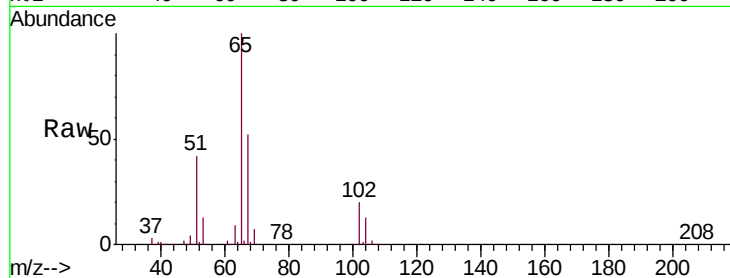




#33
 1,2-Dichloroethane-d4
 Concen: 52.550 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012013.D
 Acq: 20 Aug 2019 01:39

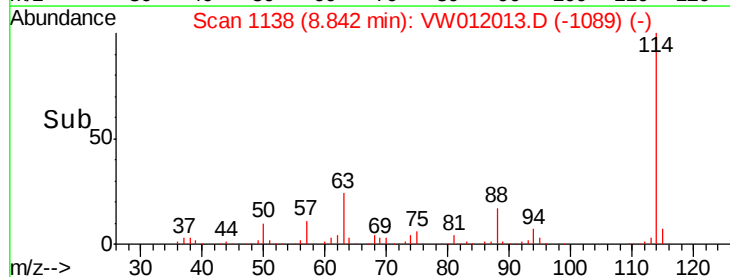
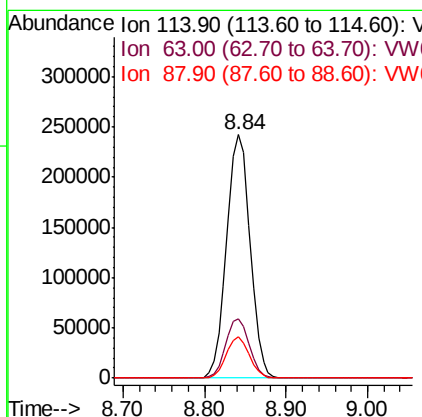
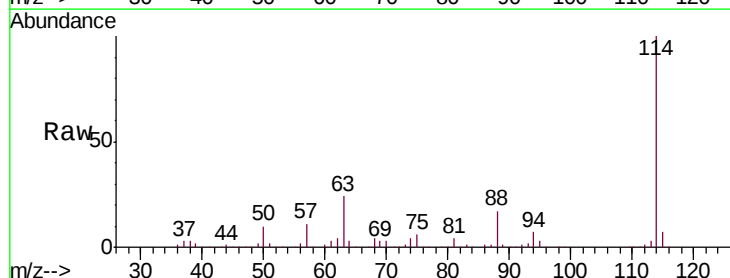
Instrument :
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 ClientSampleId :
 T8-F-(0)

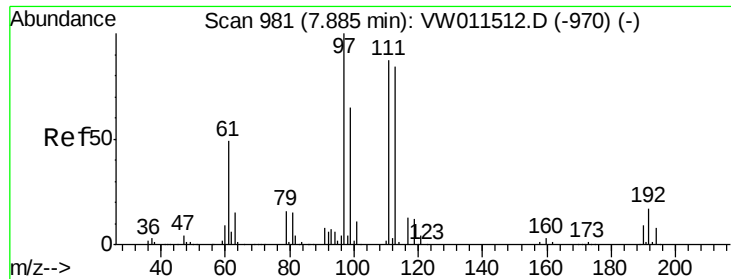
Tgt Ion: 65 Resp: 174142
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012013.D
 Acq: 20 Aug 2019 01:39

Tgt Ion: 114 Resp: 480585
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 49.2
 88 16.9 0.0 33.8

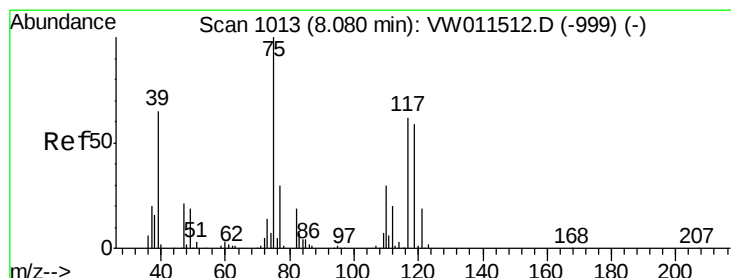
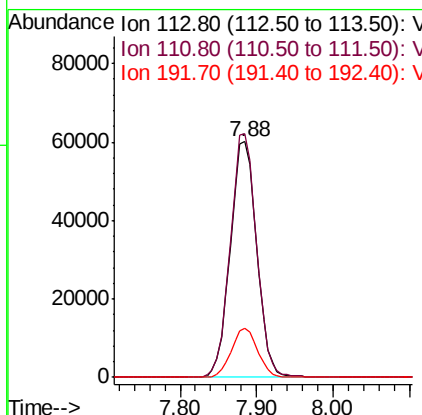
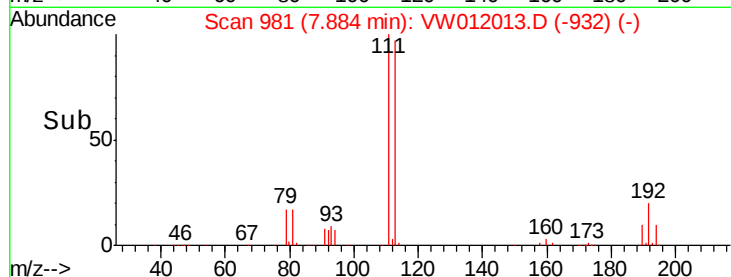
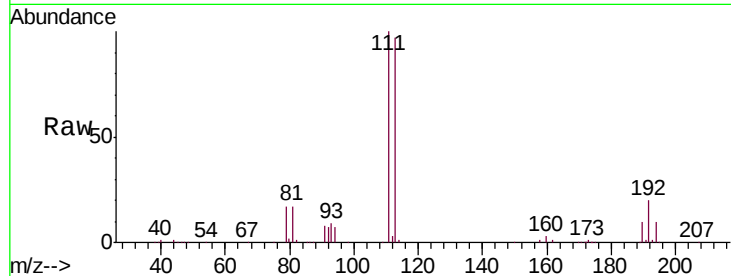




#35
 Dibromofluoromethane
 Concen: 53.452 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012013.D
 Acq: 20 Aug 2019 01:39

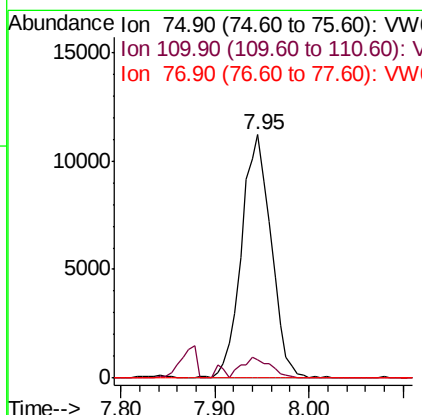
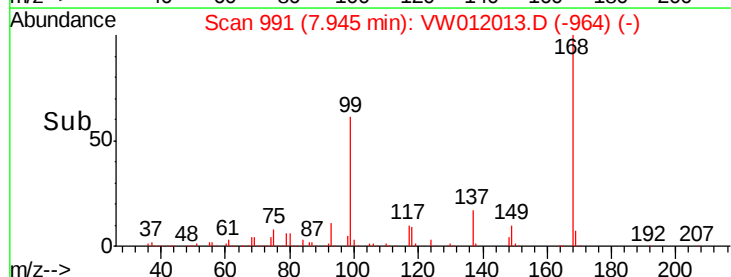
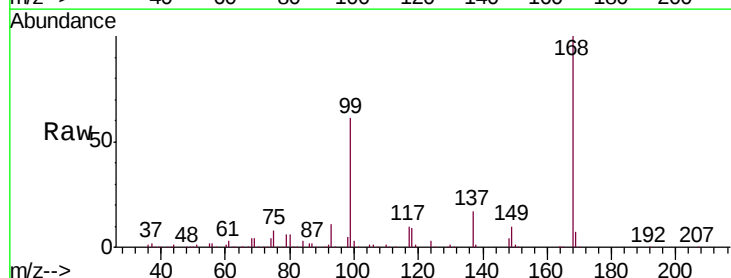
Instrument :
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 ClientSampleId :
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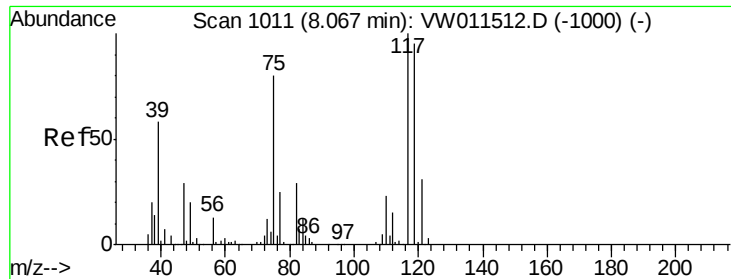
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.7	124.1
192	20.7	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 4.885 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012013.D
 Acq: 20 Aug 2019 01:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	15.6	46.8#
77	0.0	24.3	36.5#

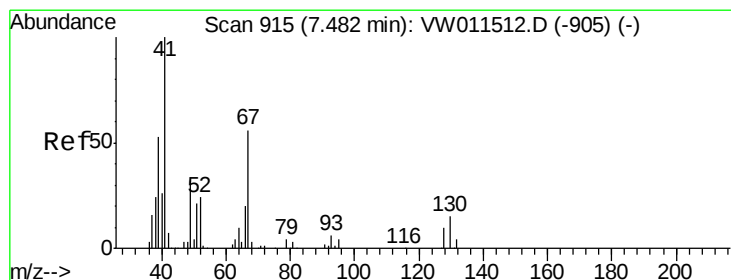
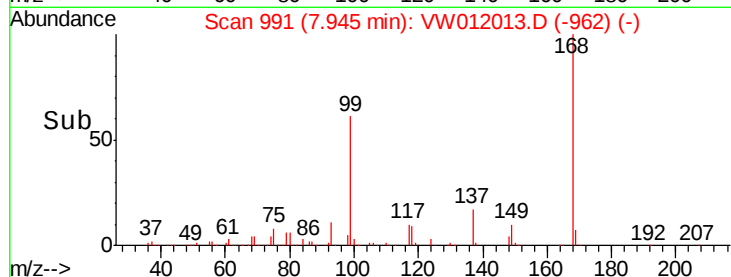
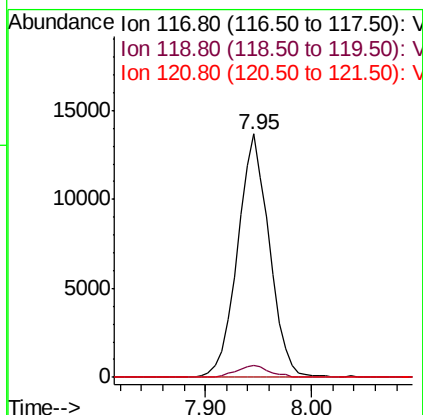
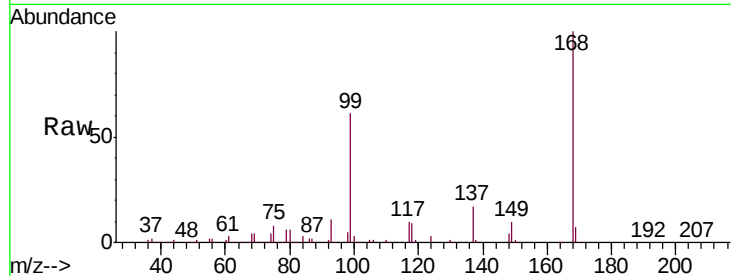




#38
Carbon Tetrachloride
Concen: 6.681 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012013.D
Acq: 20 Aug 2019 01:39

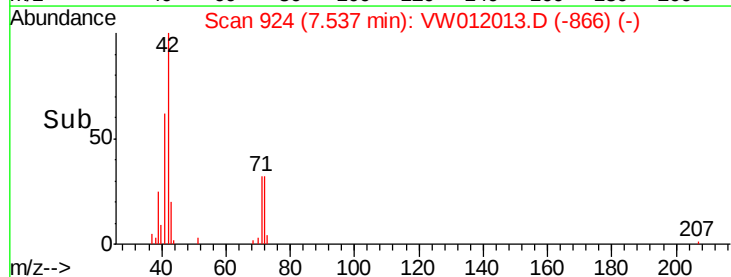
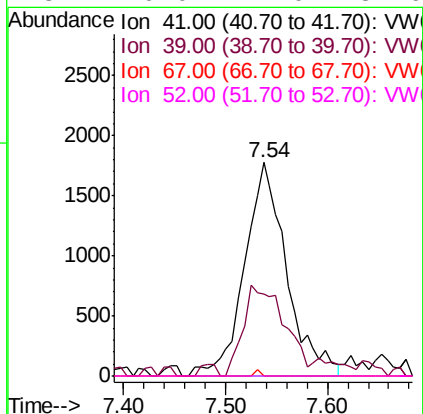
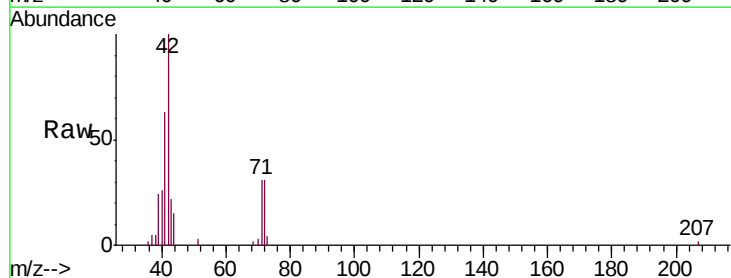
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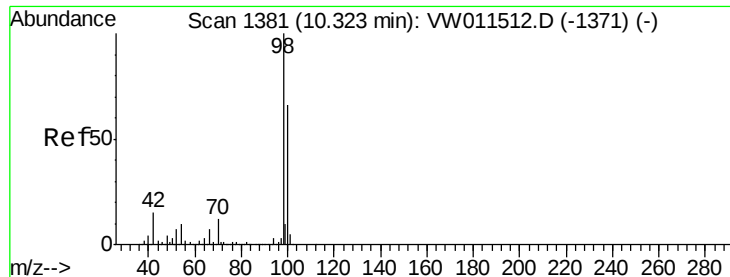
Tgt Ion: 117 Resp: 28583
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.6#
121 0.0 24.7 37.1#



#41
Methacrylonitrile
Concen: 2.955 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012013.D
Acq: 20 Aug 2019 01:39

Tgt Ion: 41 Resp: 5079
Ion Ratio Lower Upper
41 100
39 42.2 43.0 64.4#
67 0.4 47.5 71.3#
52 0.0 21.0 31.6#

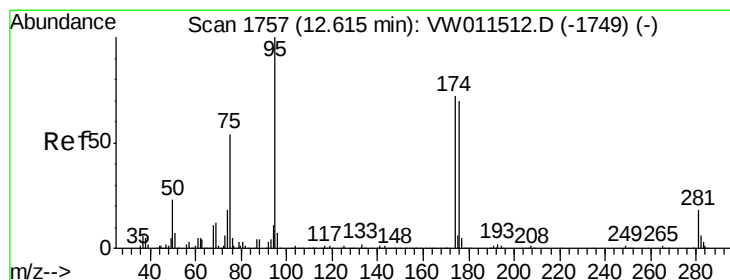
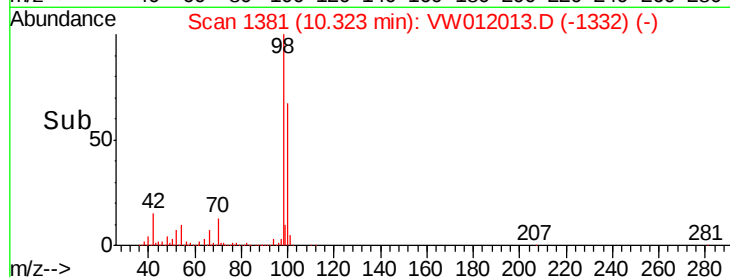
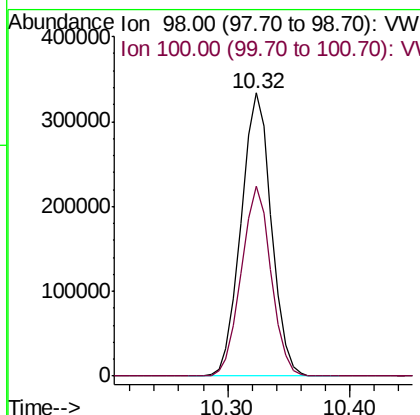
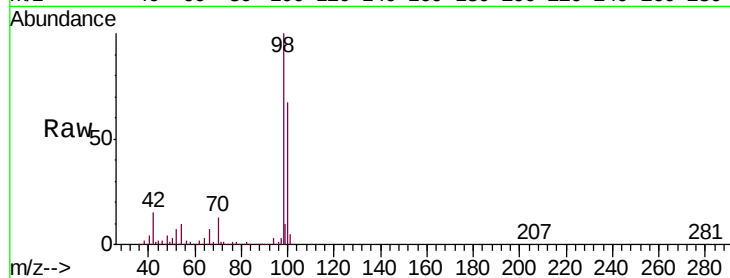




#50
Toluene-d8
Concen: 51.908 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012013.D
Acq: 20 Aug 2019 01:39

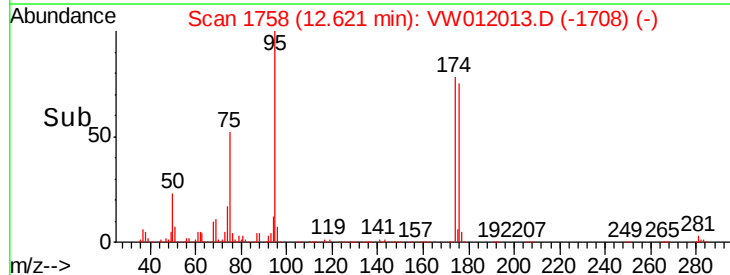
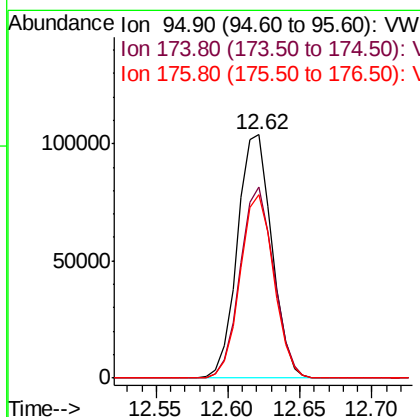
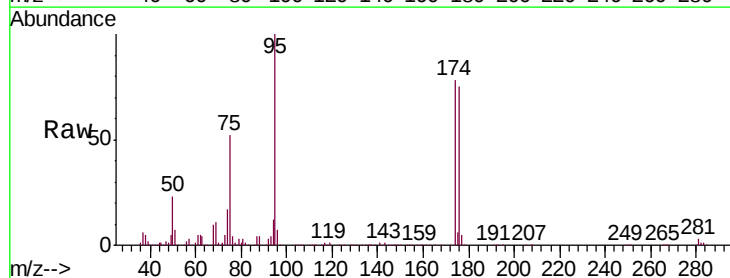
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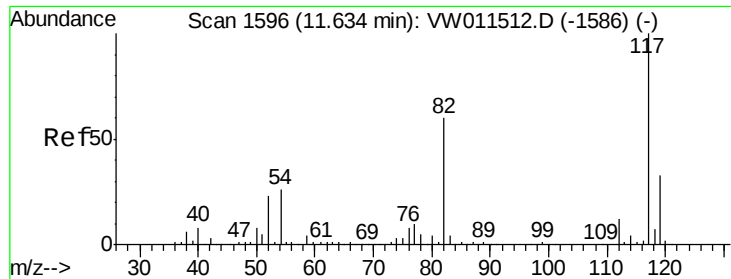
Tgt Ion: 98 Resp: 573004
Ion Ratio Lower Upper
98 100
100 66.1 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 43.888 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW012013.D
Acq: 20 Aug 2019 01:39

Tgt Ion: 95 Resp: 172725
Ion Ratio Lower Upper
95 100
174 76.5 0.0 150.2
176 73.5 0.0 144.4

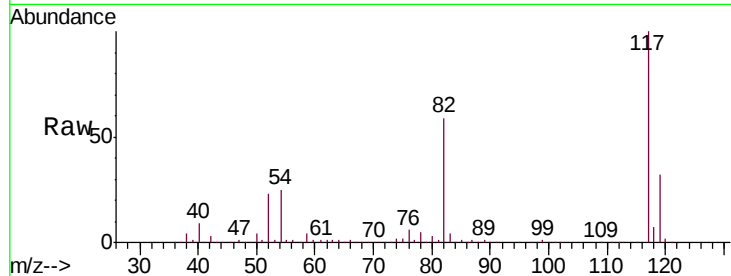




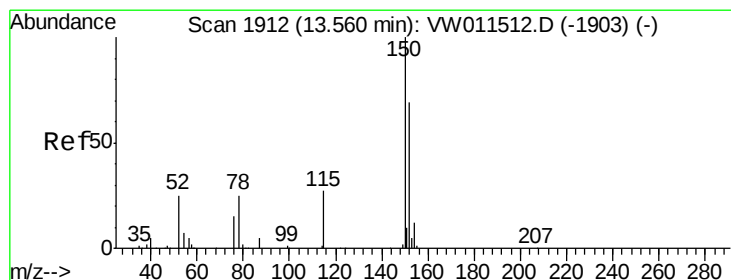
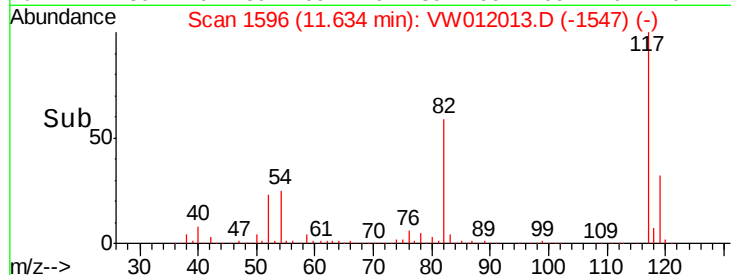
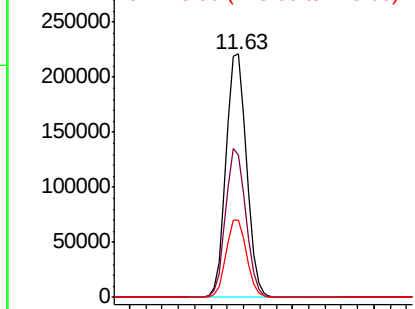
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012013.D
Acq: 20 Aug 2019 01:39

Instrument :
MSVOA_W
ClientSampleId :
T8-F-(0)

Tgt Ion:117 Resp: 382268
Ion Ratio Lower Upper
117 100
82 58.7 47.9 71.9
119 31.7 26.2 39.2

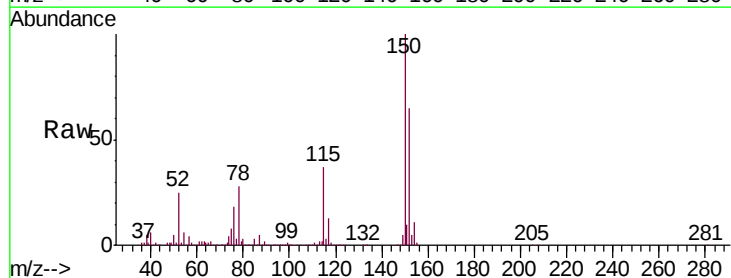


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

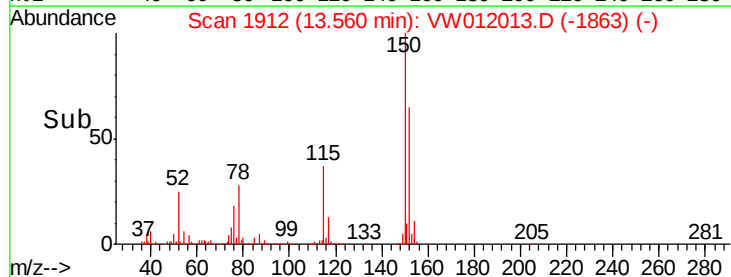
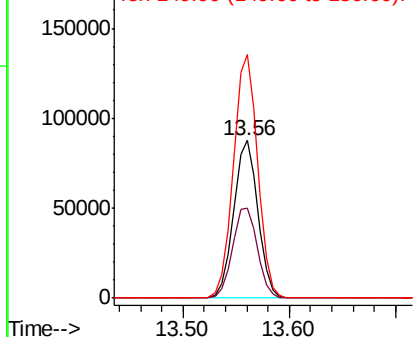


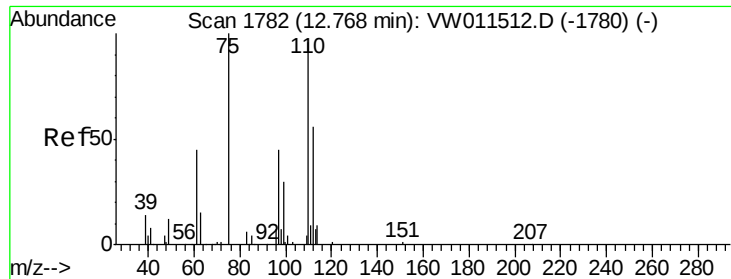
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012013.D
Acq: 20 Aug 2019 01:39

Tgt Ion:152 Resp: 139702
Ion Ratio Lower Upper
152 100
115 59.0 30.5 91.5
150 154.6 0.0 352.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 62.085 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012013.D

Acq: 20 Aug 2019 01:39

Instrument :

MSVOA_W

ClientSampleId :

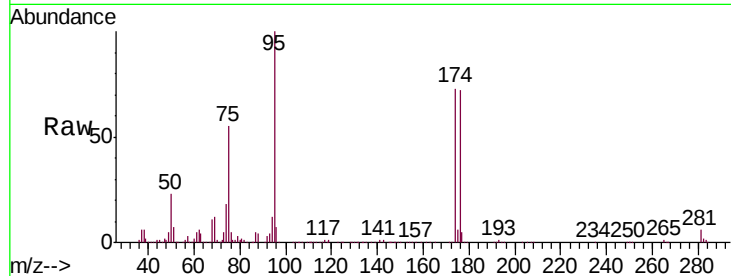
T8-F-(0)

Tgt Ion: 75 Resp: 91774

Ion Ratio Lower Upper

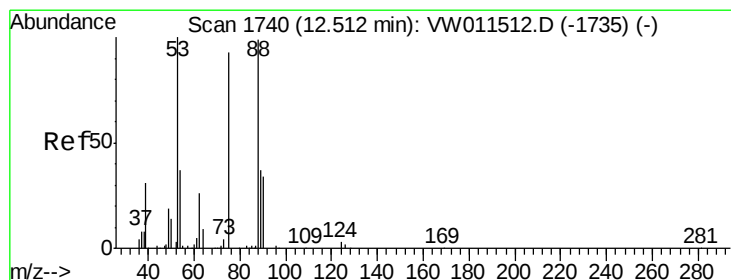
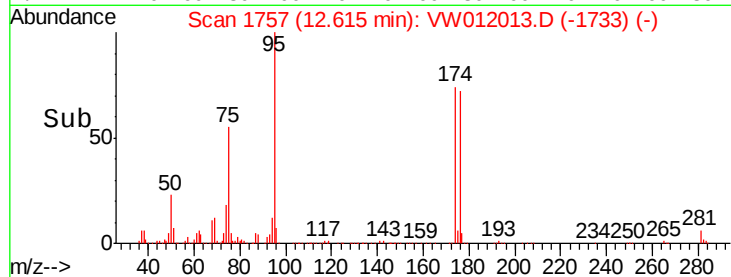
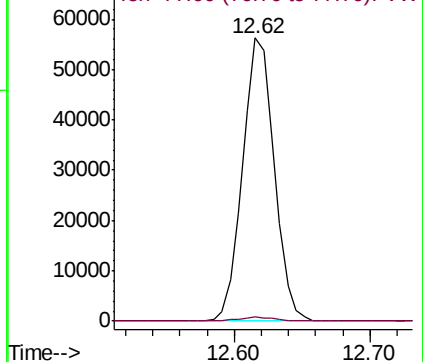
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 143.084 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012013.D

Acq: 20 Aug 2019 01:39

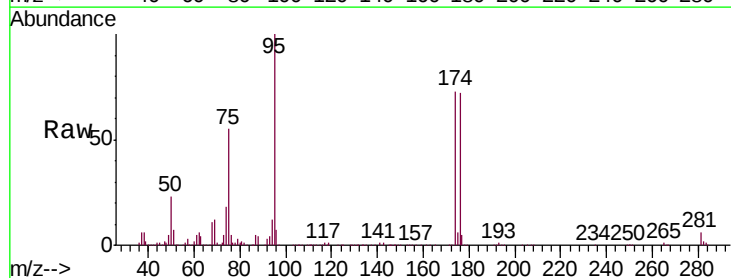
Tgt Ion: 75 Resp: 91774

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

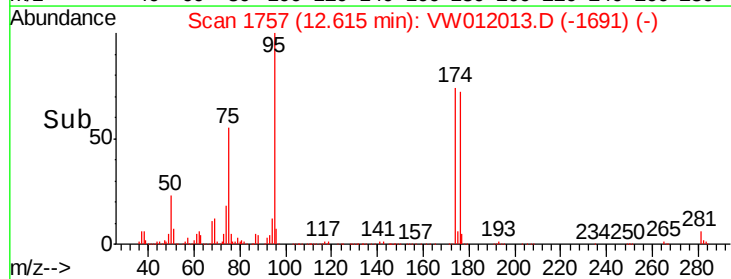
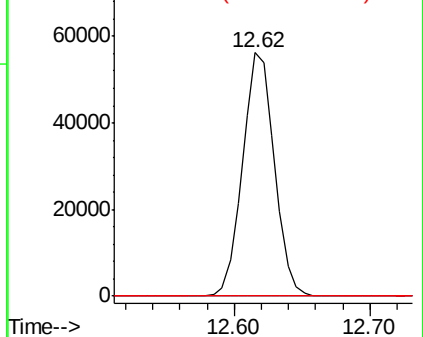
89 0.1 35.3 52.9#

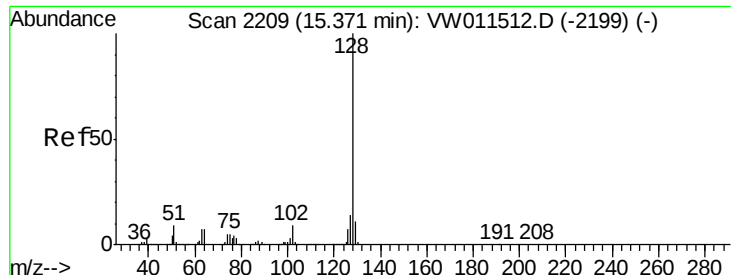


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 2.177 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW012013.D

Acq: 20 Aug 2019 01:39

Instrument :

MSVOA_W

ClientSampleId :

T8-F-(0)

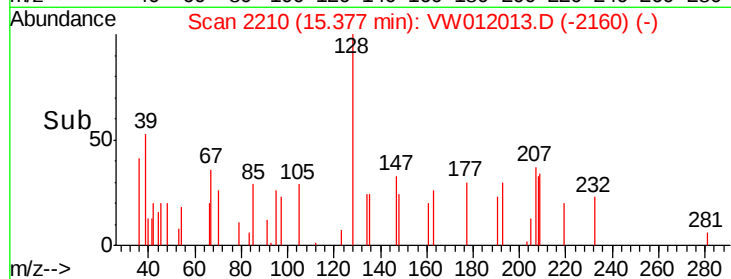
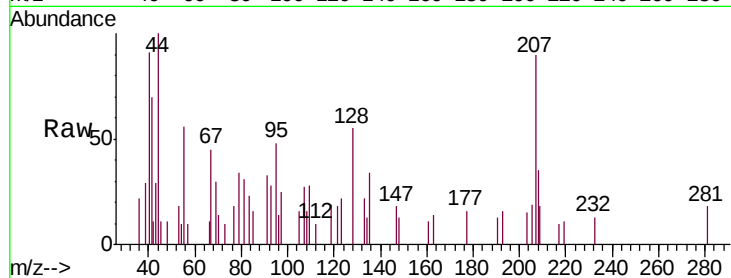
Tgt Ion:128 Resp: 639

Ion Ratio Lower Upper

128 100

127 7.5 10.6 16.0#

129 7.5 8.6 13.0#



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

