

Data File : VW012358.D
Acq On : 30 Aug 2019 18:43
Operator : SY/VA
Sample : K4439-02
Misc : 3.56G/5ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
S-1-(1-3)

Quant Time: Aug 31 03:06:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	173822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	278476	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	160411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	29510	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	115708	56.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.00%	
35) Dibromofluoromethane	7.88	113	94816	57.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.08%	
50) Toluene-d8	10.32	98	316942	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
62) 4-Bromofluorobenzene	12.62	95	49246	20.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.46%	

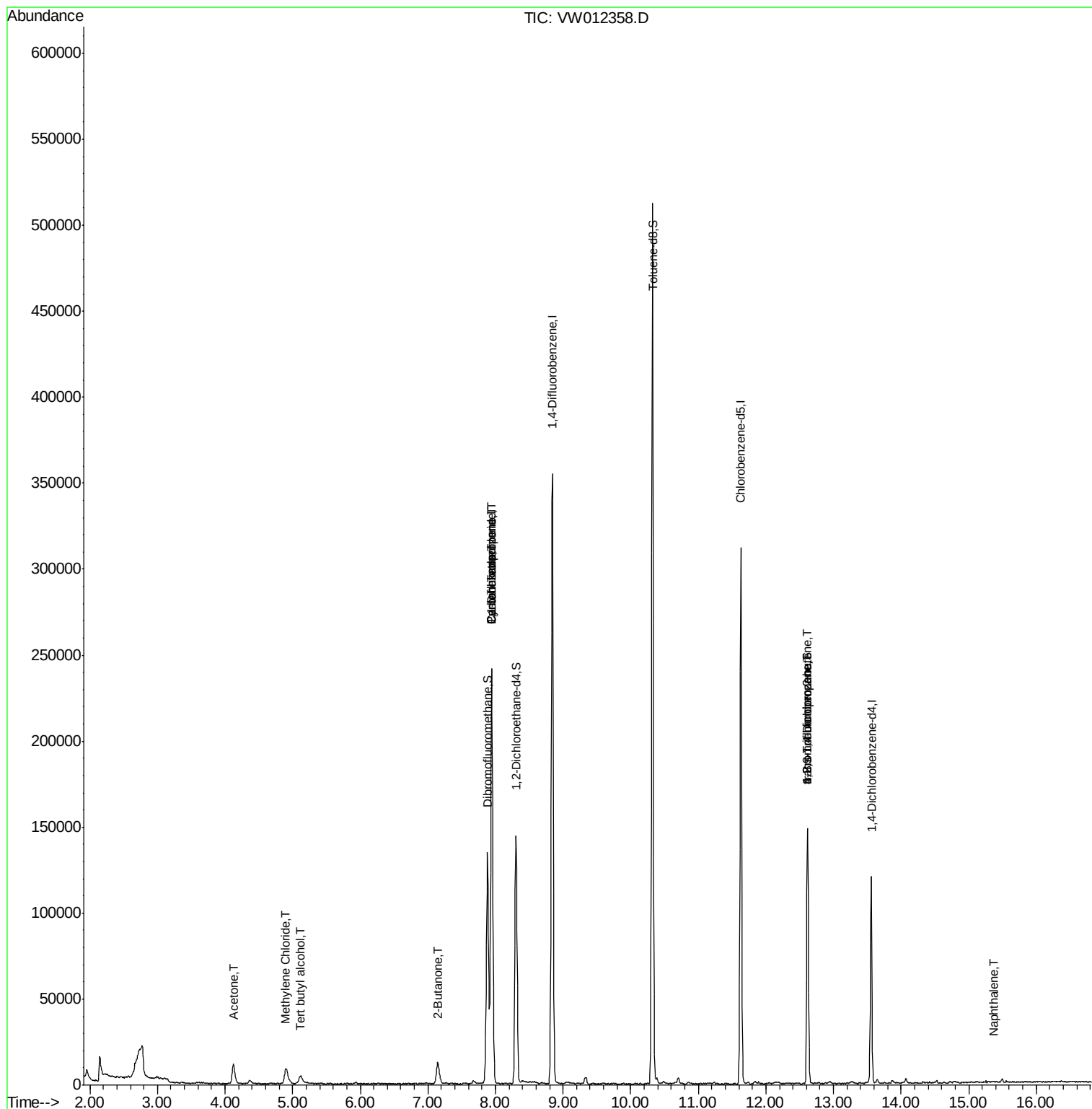
Target Compounds				Qvalue		
11) Tert butyl alcohol	5.12	59	5578	44.857	ug/l #	71
16) Acetone	4.12	43	21607	40.907	ug/l	94
20) Methylene Chloride	4.89	84	6517	3.264	ug/l #	81
25) 2-Butanone	7.16	43	939	1.308	ug/l #	56
31) Cyclohexane	7.94	56	4986	1.340	ug/l #	12
36) 1,1-Dichloropropene	7.95	75	14940	5.192	ug/l #	52
38) Carbon Tetrachloride	7.95	117	17528	7.037	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	26920	93.665	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	26920	205.365	ug/l #	6
95) Naphthalene	15.37	128	611	4.823	ug/l #	87

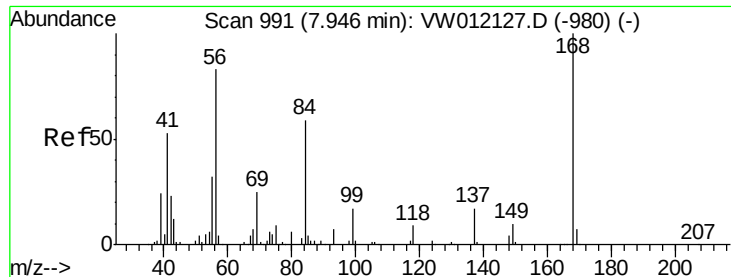
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012358.D

Acq: 30 Aug 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

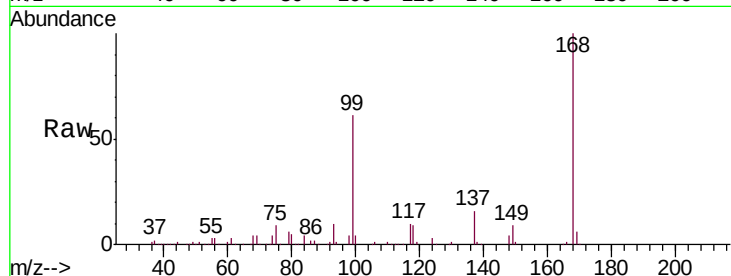
S-1-(1-3)

Tgt Ion:168 Resp: 173822

Ion Ratio Lower Upper

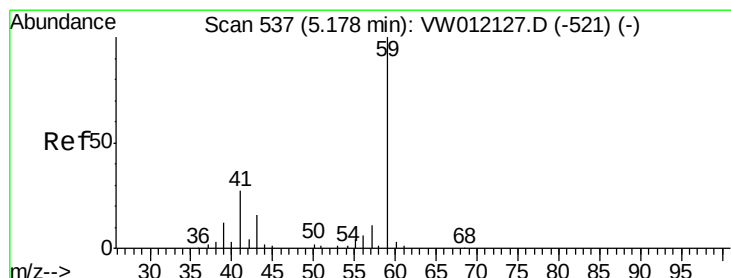
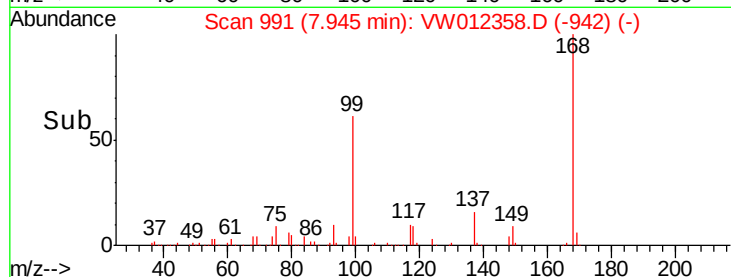
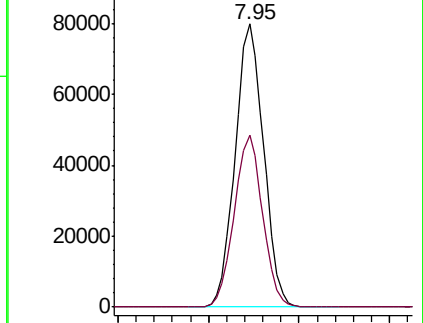
168 100

99 60.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 44.857 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.06 min

Lab File: VW012358.D

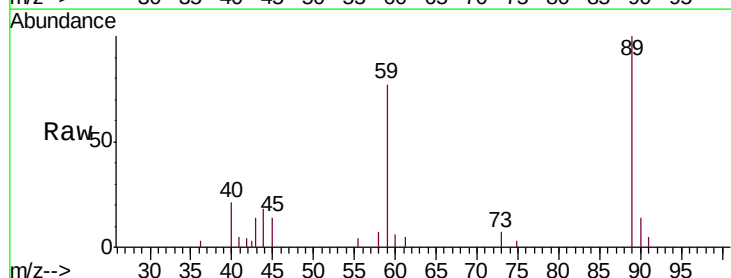
Acq: 30 Aug 2019 18:43

Tgt Ion: 59 Resp: 5578

Ion Ratio Lower Upper

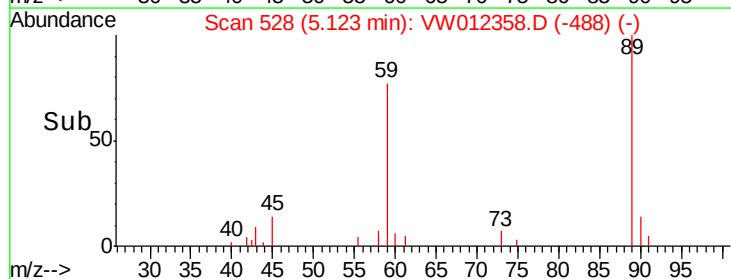
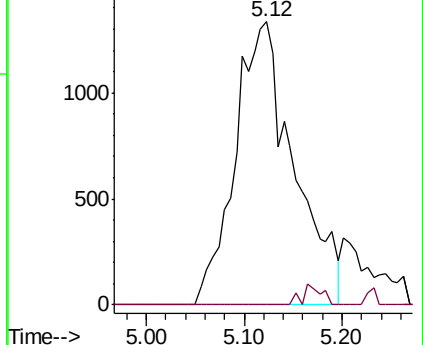
59 100

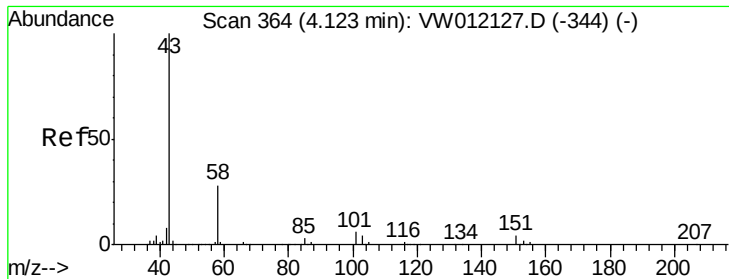
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

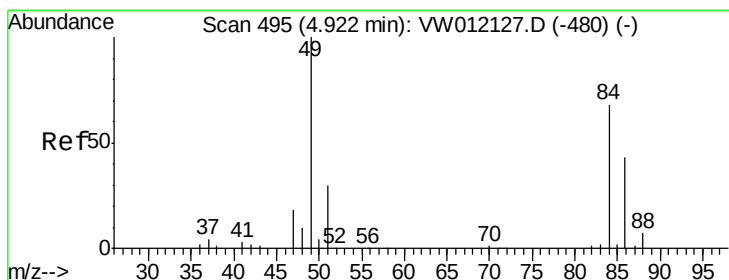
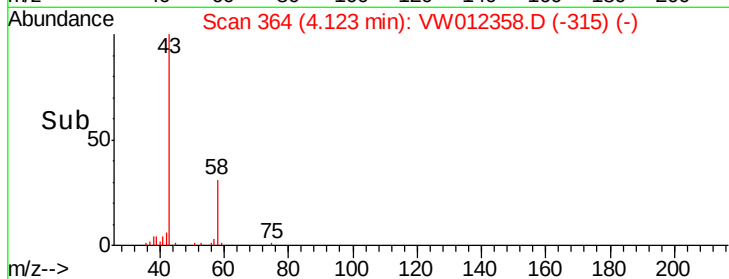
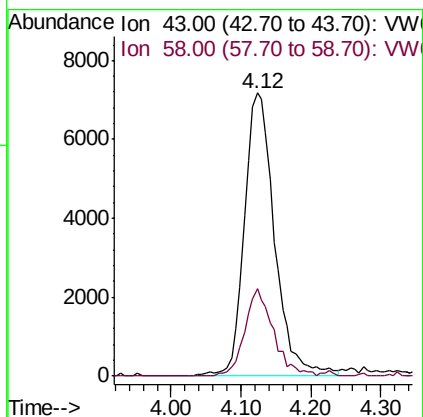
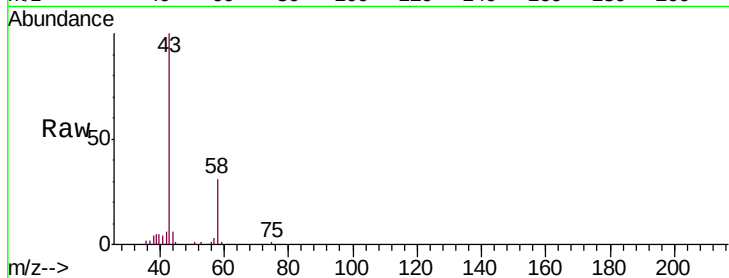




#16
Acetone
Concen: 40.907 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
Lab File: VW012358.D
Acq: 30 Aug 2019 18:43

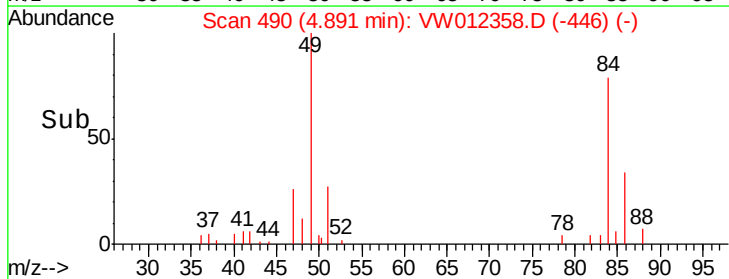
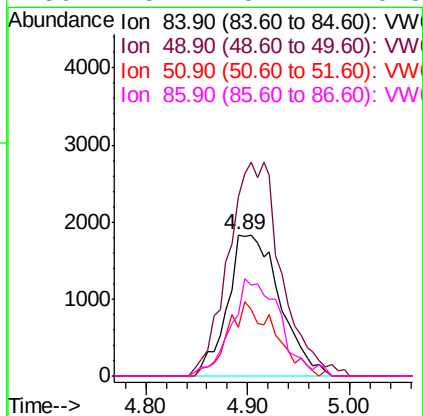
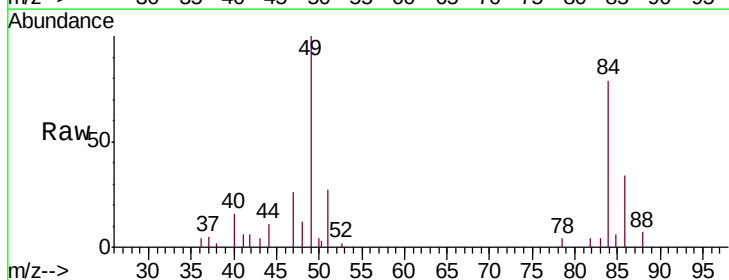
Instrument :
MSVOA_W
ClientSampleId :
S-1-(1-3)

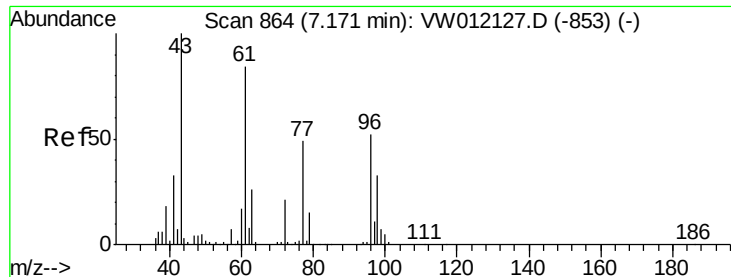
Tgt Ion: 43 Resp: 21607
Ion Ratio Lower Upper
43 100
58 30.9 22.4 33.6



#20
Methylene Chloride
Concen: 3.264 ug/l
RT: 4.89 min Scan# 490
Delta R.T. -0.03 min
Lab File: VW012358.D
Acq: 30 Aug 2019 18:43

Tgt Ion: 84 Resp: 6517
Ion Ratio Lower Upper
84 100
49 126.6 117.8 176.8
51 34.2 35.6 53.4#
86 43.2 51.2 76.8#





#25

2-Butanone

Concen: 1.308 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012358.D

Acq: 30 Aug 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

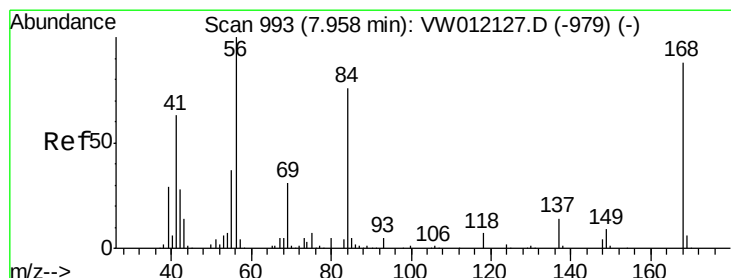
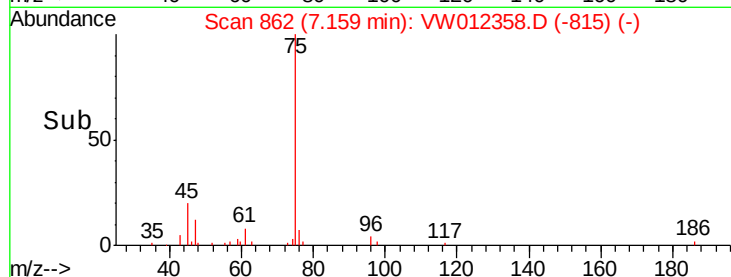
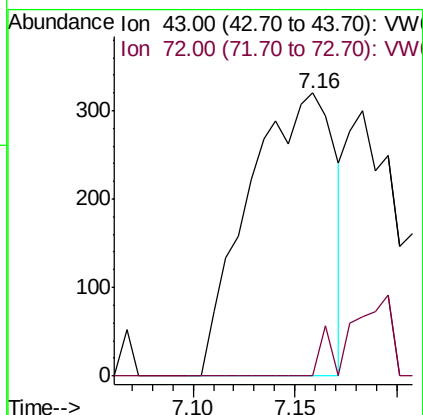
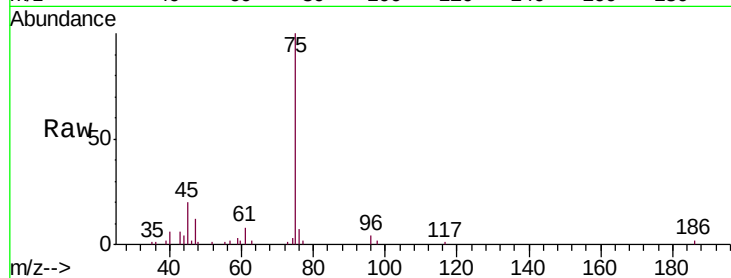
S-1-(1-3)

Tgt Ion: 43 Resp: 939

Ion Ratio Lower Upper

43 100

72 0.0 16.6 24.8#



#31

Cyclohexane

Concen: 1.340 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012358.D

Acq: 30 Aug 2019 18:43

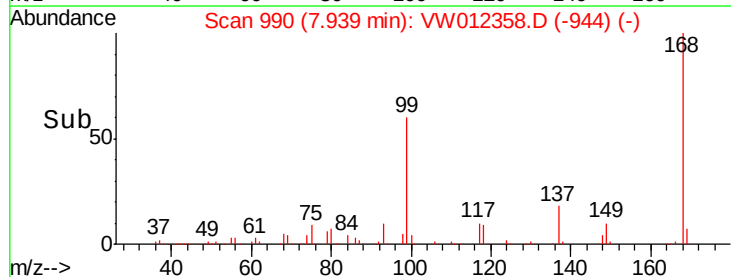
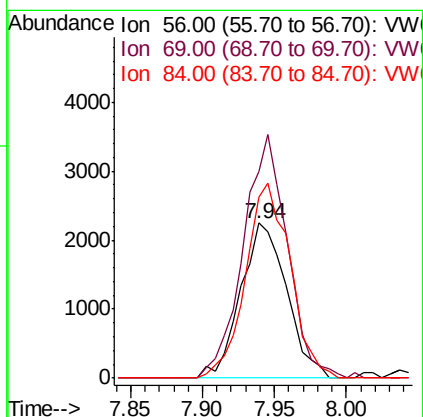
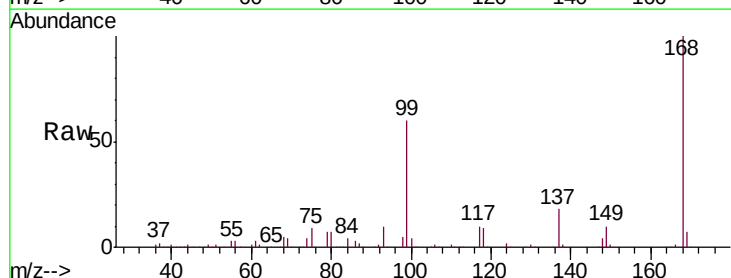
Tgt Ion: 56 Resp: 4986

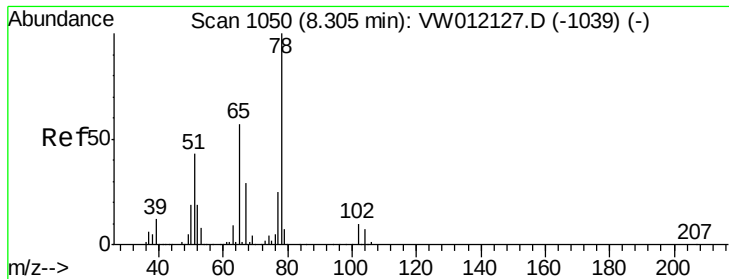
Ion Ratio Lower Upper

56 100

69 133.6 24.9 37.3#

84 117.0 60.6 90.8#

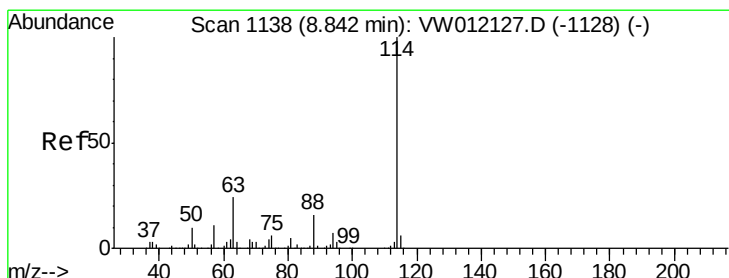
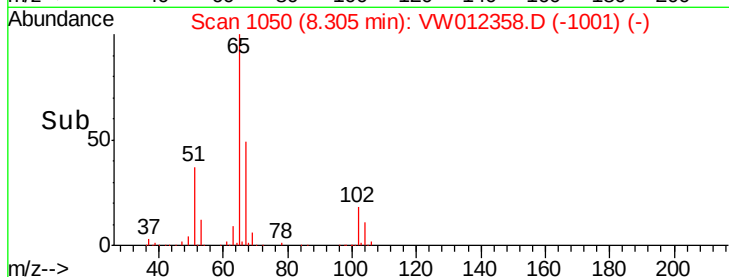
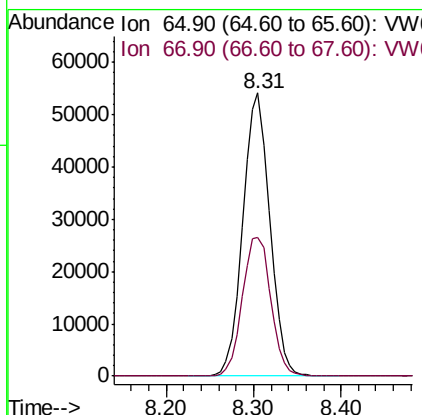
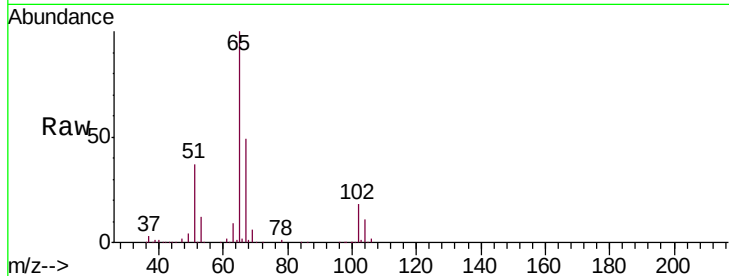




#33
 1,2-Dichloroethane-d4
 Concen: 55.997 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012358.D
 Acq: 30 Aug 2019 18:43

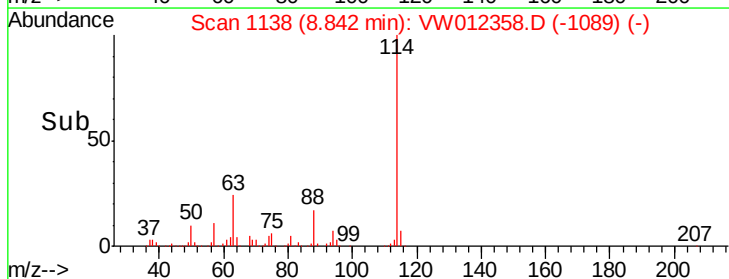
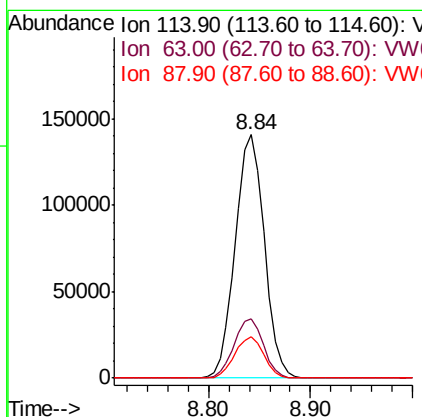
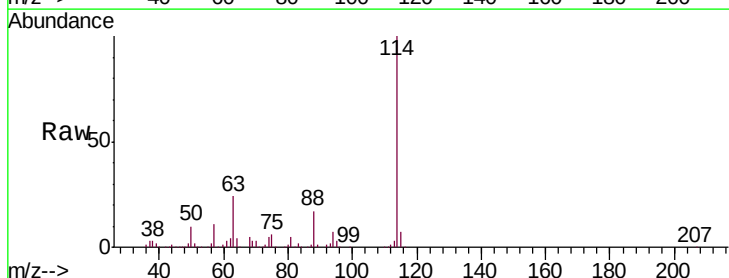
Instrument :
 MSVOA_W
 ClientSampled :
 S-1-(1-3)

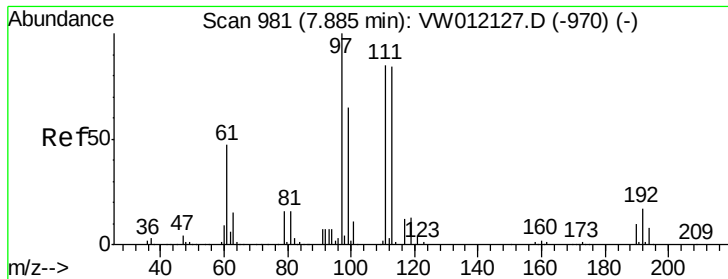
Tgt Ion: 65 Resp: 115708
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012358.D
 Acq: 30 Aug 2019 18:43

Tgt Ion: 114 Resp: 278476
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 48.6
 88 17.1 0.0 32.2

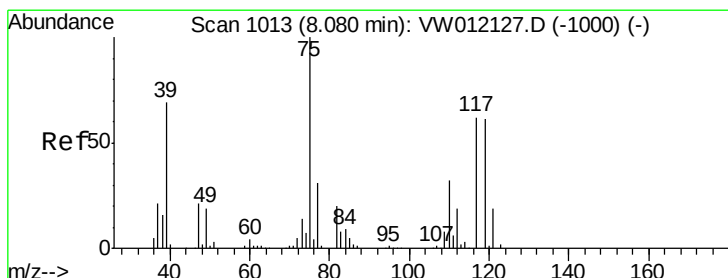
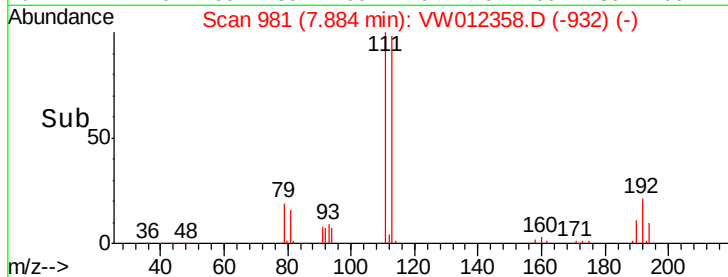
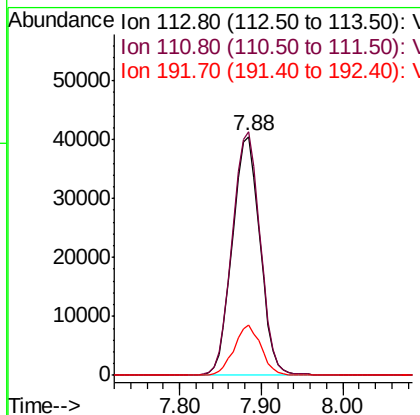
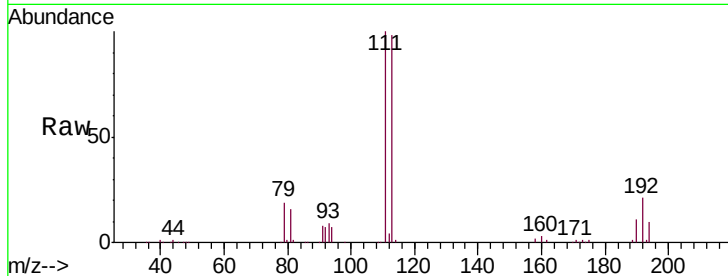




#35
 Dibromofluoromethane
 Concen: 57.041 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012358.D
 Acq: 30 Aug 2019 18:43

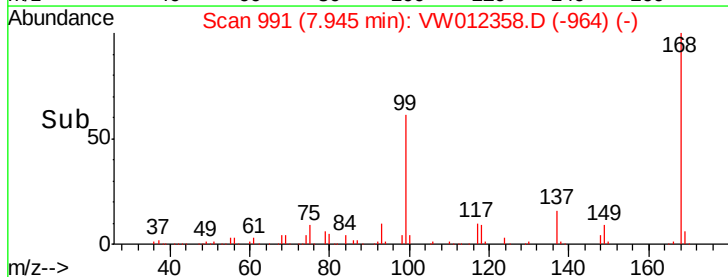
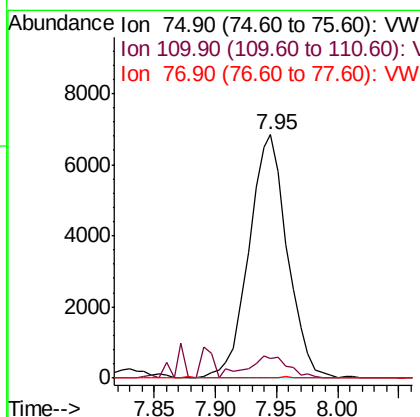
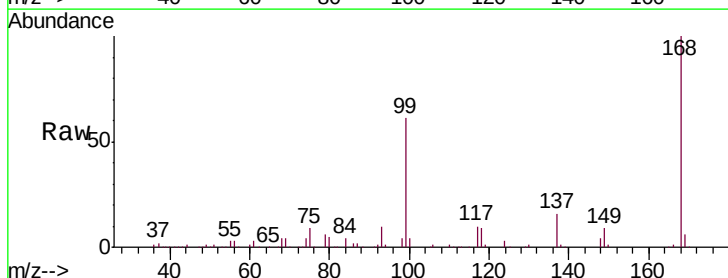
Instrument :
 MSVOA_W
 ClientSampled :
 S-1-(1-3)

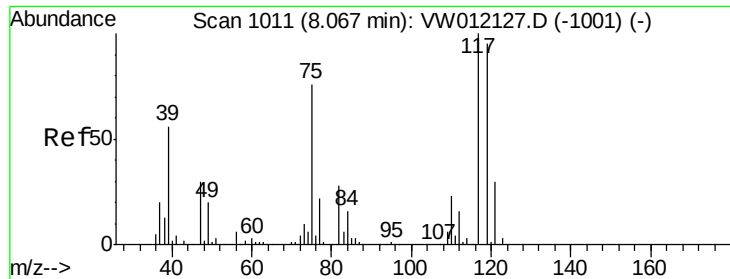
Tgt Ion:113 Resp: 94816
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.7 124.1
 192 20.5 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.192 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012358.D
 Acq: 30 Aug 2019 18:43

Tgt Ion: 75 Resp: 14940
 Ion Ratio Lower Upper
 75 100
 110 8.7 15.6 46.8#
 77 0.1 24.6 36.8#

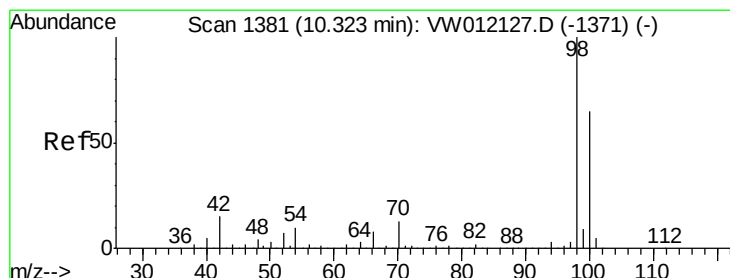
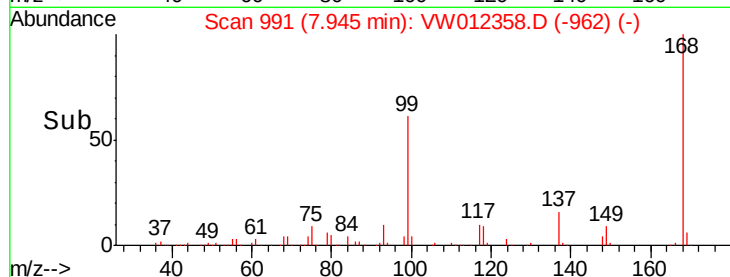
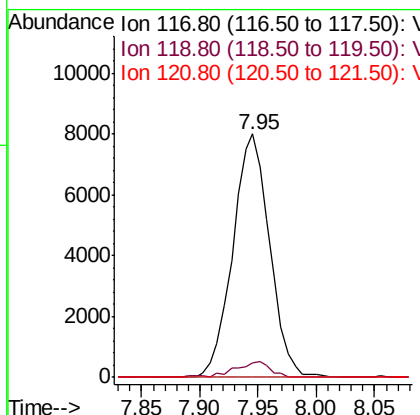
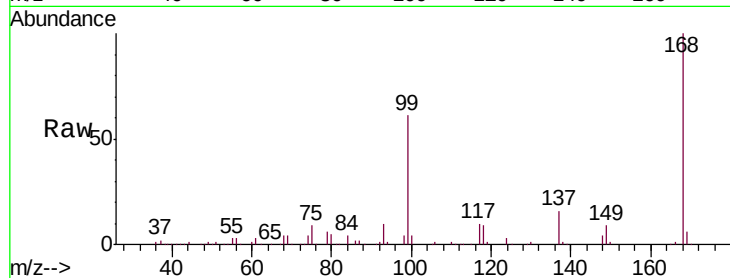




#38
Carbon Tetrachloride
Concen: 7.037 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012358.D
Acq: 30 Aug 2019 18:43

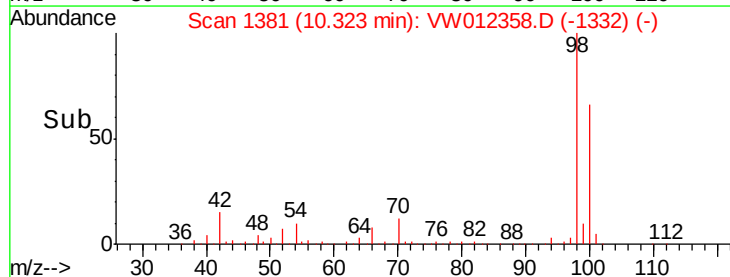
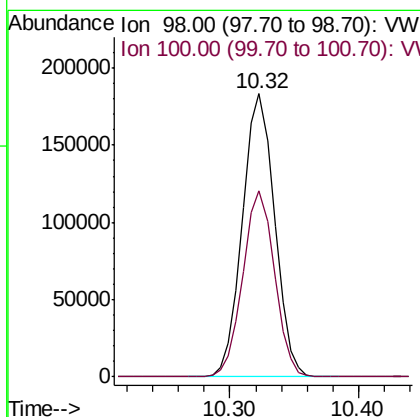
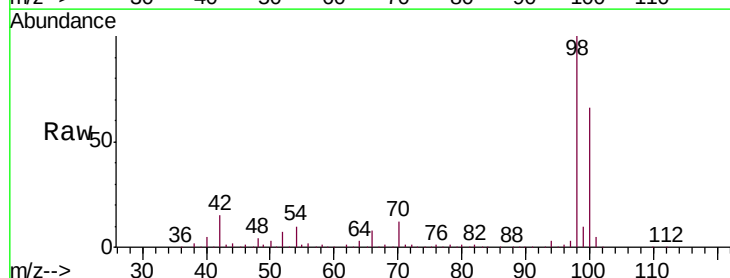
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S-1-(1-3)

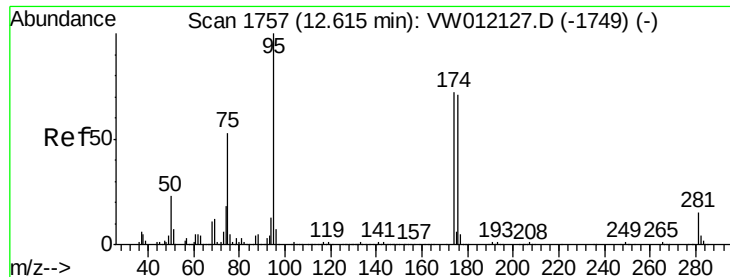
Tgt Ion: 117 Resp: 17528
Ion Ratio Lower Upper
117 100
119 5.9 76.2 114.2#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 47.025 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012358.D
Acq: 30 Aug 2019 18:43

Tgt Ion: 98 Resp: 316942
Ion Ratio Lower Upper
98 100
100 64.8 52.4 78.6

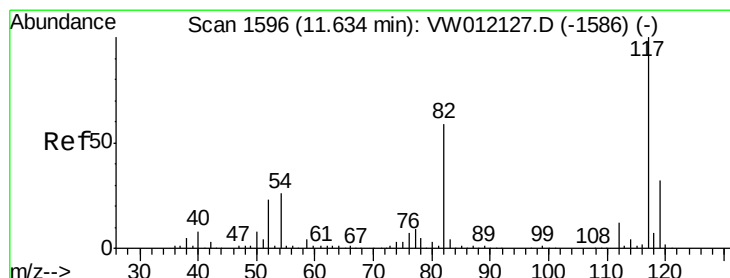
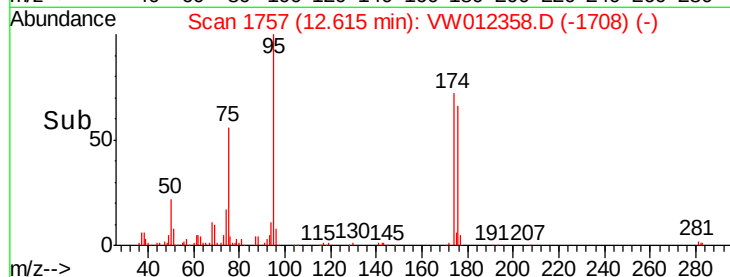
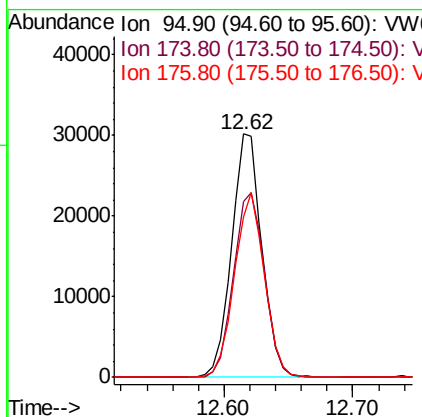
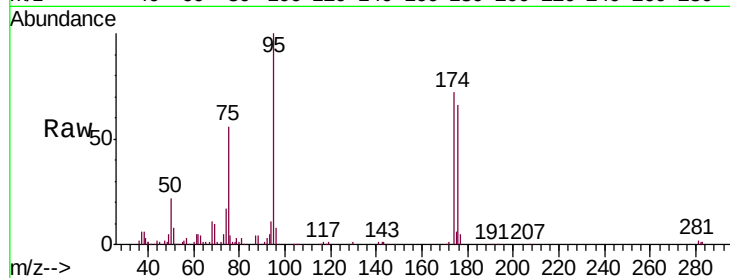




#62
4-Bromofluorobenzene
Concen: 20.728 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012358.D
Acq: 30 Aug 2019 18:43

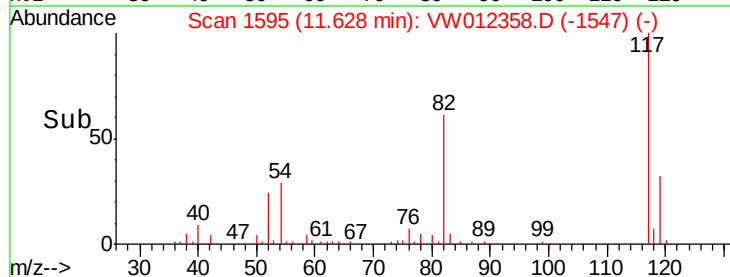
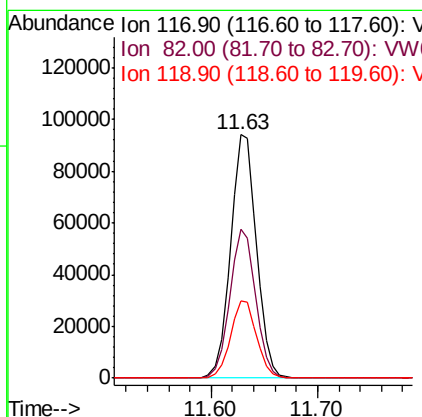
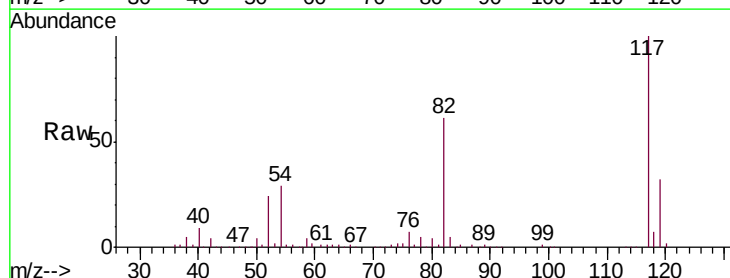
Instrument :
MSVOA_W
ClientSampleId :
S-1-(1-3)

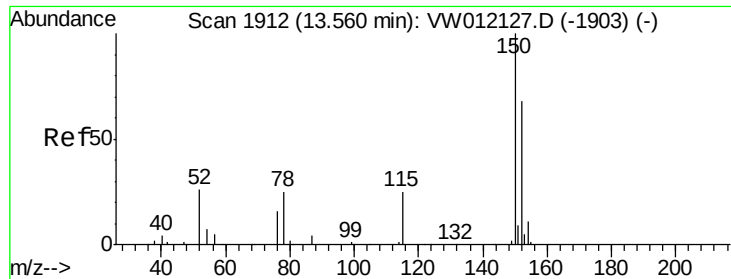
Tgt Ion: 95 Resp: 49246
Ion Ratio Lower Upper
95 100
174 77.8 0.0 150.8
176 74.6 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012358.D
Acq: 30 Aug 2019 18:43

Tgt Ion: 117 Resp: 160411
Ion Ratio Lower Upper
117 100
82 61.3 47.4 71.2
119 31.8 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012358.D

Acq: 30 Aug 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

S-1-(1-3)

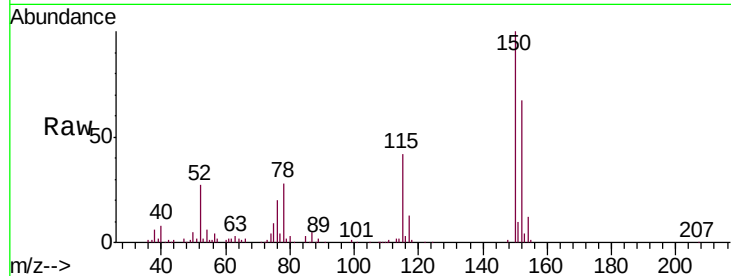
Tgt Ion:152 Resp: 29510

Ion Ratio Lower Upper

152 100

115 60.6 30.1 90.3

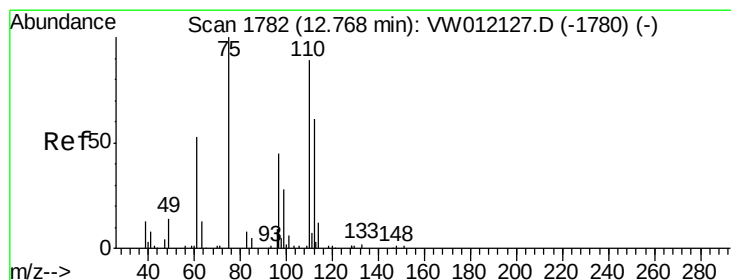
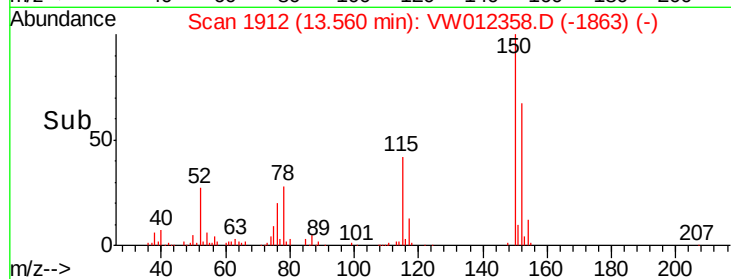
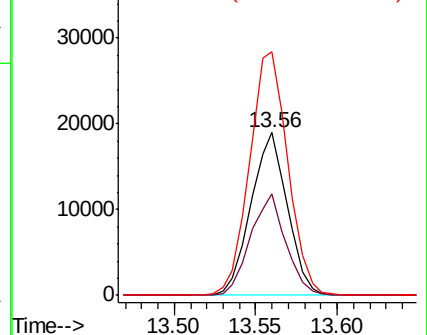
150 156.5 0.0 345.8



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: 93.665 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012358.D

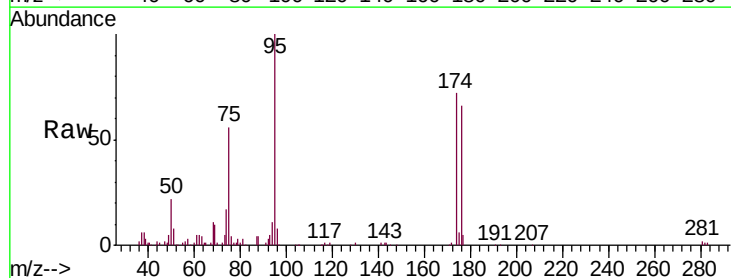
Acq: 30 Aug 2019 18:43

Tgt Ion: 75 Resp: 26920

Ion Ratio Lower Upper

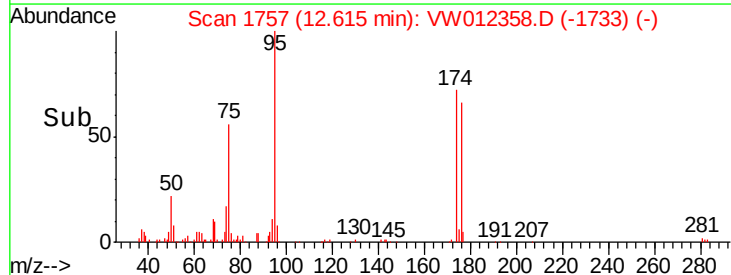
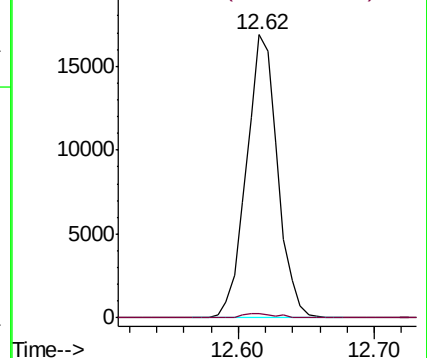
75 100

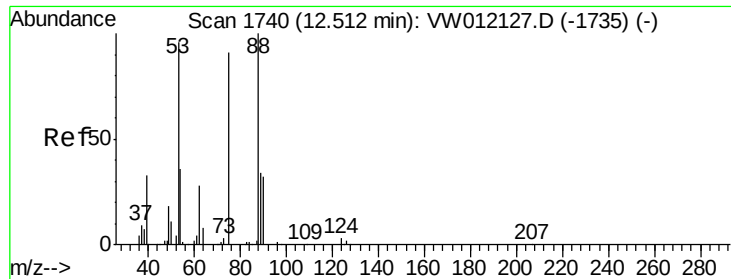
77 1.8 0.0 0.0#



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: 205.365 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012358.D

Acq: 30 Aug 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

S-1-(1-3)

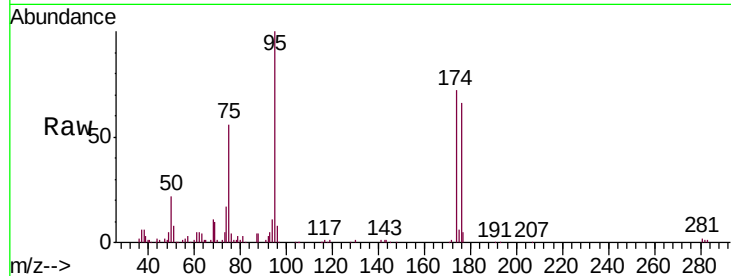
Tgt Ion: 75 Resp: 26920

Ion Ratio Lower Upper

75 100

53 0.4 89.4 134.0#

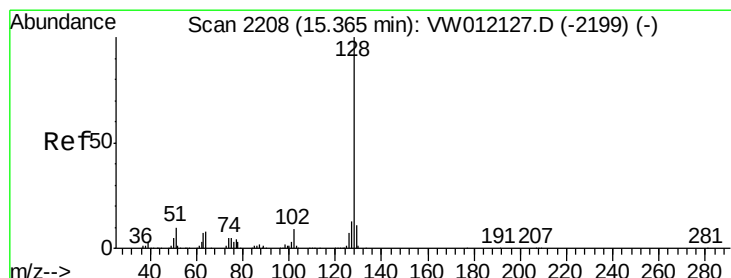
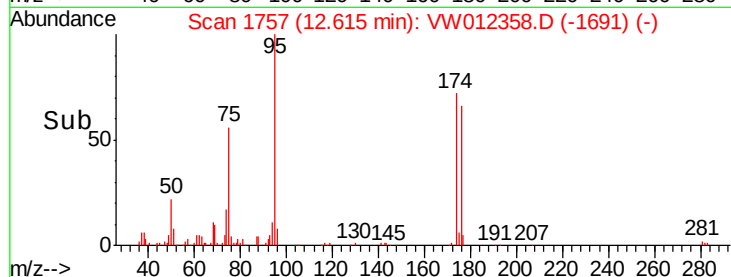
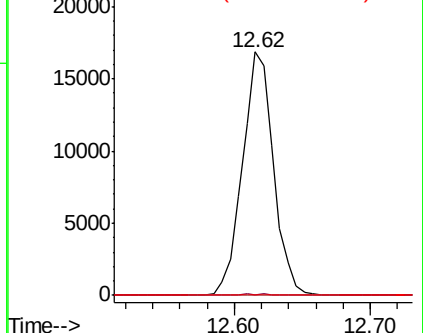
89 0.0 34.5 51.7#



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: 4.823 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012358.D

Acq: 30 Aug 2019 18:43

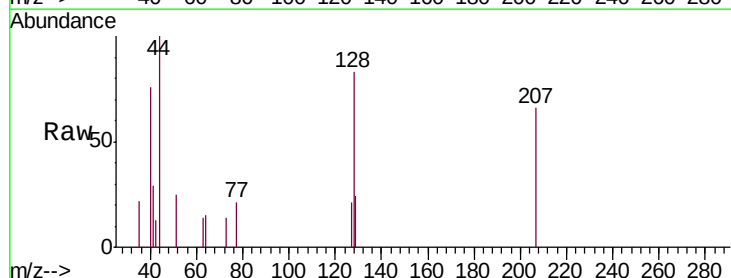
Tgt Ion: 128 Resp: 611

Ion Ratio Lower Upper

128 100

127 22.1 10.7 16.1#

129 10.0 8.7 13.1



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

