

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012256.D
 Acq On : 28 Aug 2019 16:06
 Operator : SY/VA
 Sample : K4509-07
 Misc : 5.08G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 28 17:26:45 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	233223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	383234	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	296983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	98667	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	140678	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
35) Dibromofluoromethane	7.88	113	114795	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
50) Toluene-d8	10.32	98	460404	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.62	95	128845	39.41	ug/l	0.00
Spiked Amount			Recovery	=	78.82%	

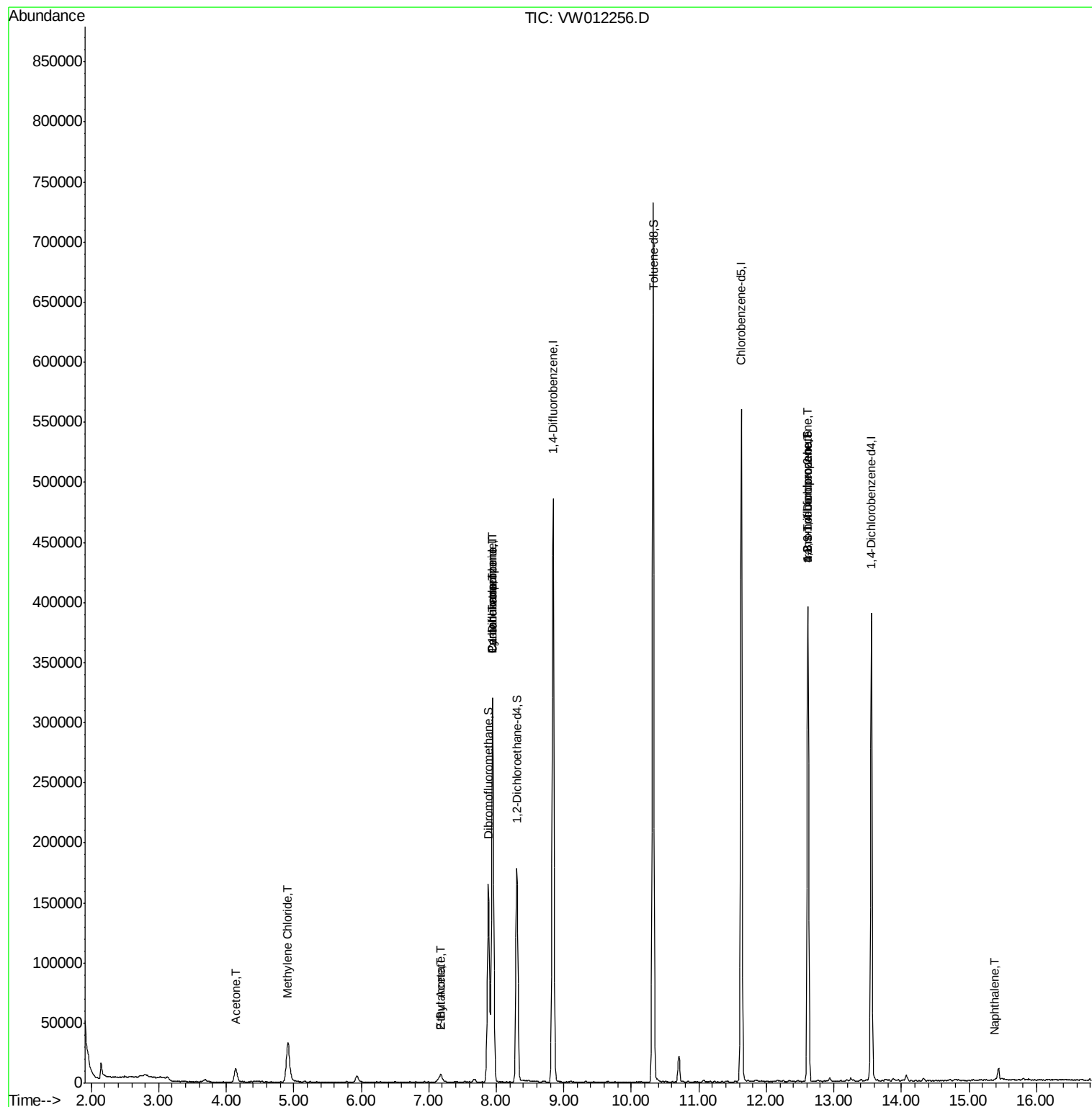
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	23474	33.123	ug/l	97
20) Methylene Chloride	4.91	84	24596	9.180	ug/l	98
25) 2-Butanone	7.18	43	10393	10.792	ug/l	98
31) Cyclohexane	7.95	56	5720	1.145	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	19647	4.961	ug/l #	52
37) Ethyl Acetate	7.18	43	10393	4.789	ug/l #	75
38) Carbon Tetrachloride	7.95	117	23542	6.868	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	68222	70.995	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	68222	155.658	ug/l #	6
95) Naphthalene	15.37	128	324	4.401	ug/l #	77

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012256.D

Acq: 28 Aug 2019 16:06

Instrument :

MSVOA_W

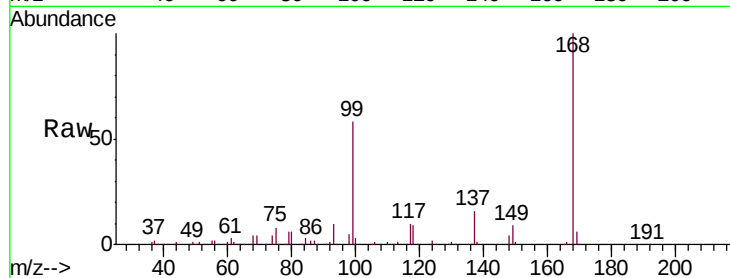
ClientSampled :

Tot Ion:168 Resp: 233223

Ion Ratio Lower Upper

168 100

99 57.9 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

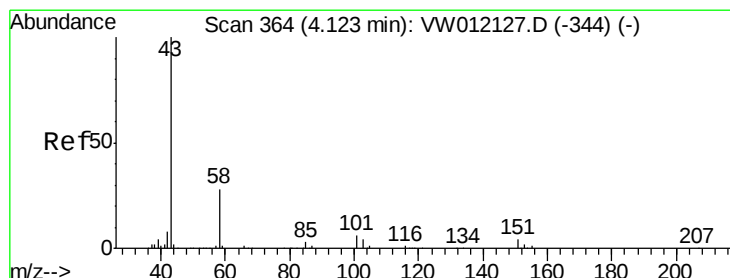
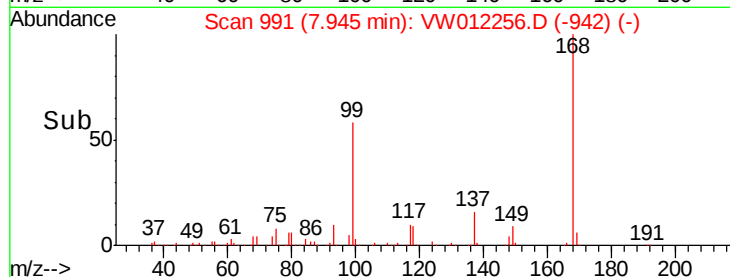
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 33.123 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012256.D

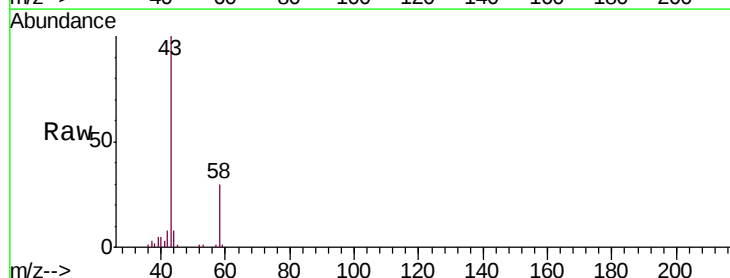
Acq: 28 Aug 2019 16:06

Tgt Ion: 43 Resp: 23474

Ion Ratio Lower Upper

43 100

58 29.6 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

8000

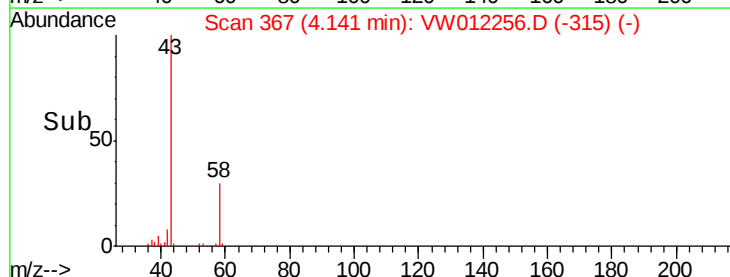
6000

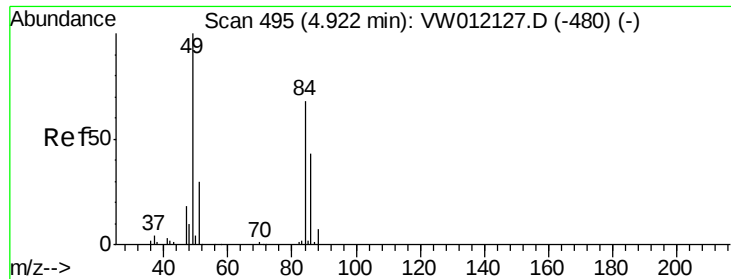
4000

2000

0

Time-->

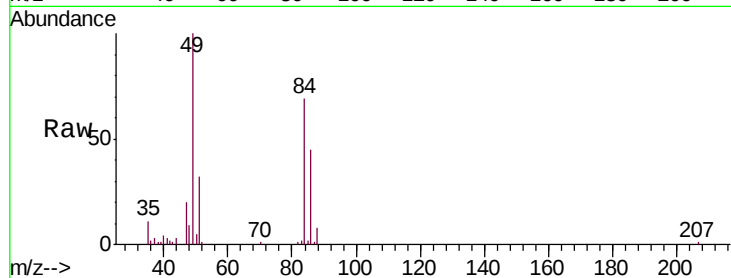




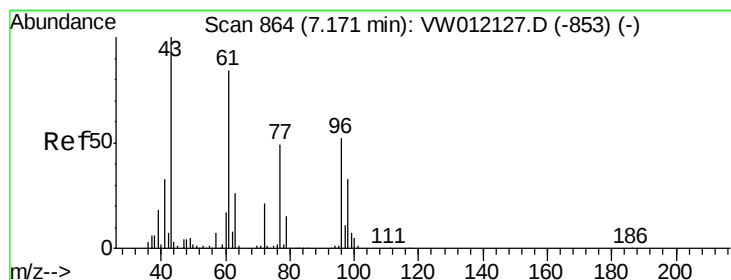
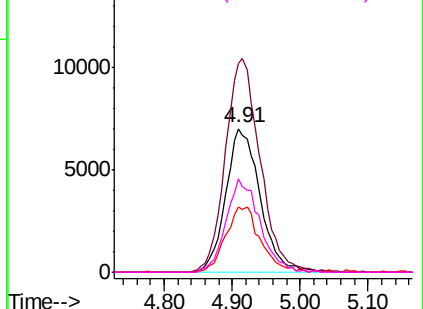
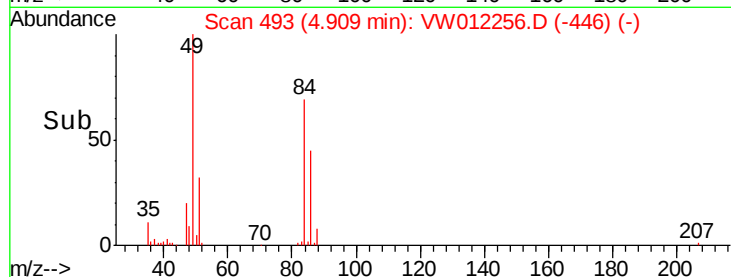
#20
Methvlene Chloride
Concen: 9.180 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012256.D
Acq: 28 Aug 2019 16:06

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 24596
Ion Ratio Lower Upper
84 100
49 144.6 117.8 176.8
51 45.6 35.6 53.4
86 65.3 51.2 76.8

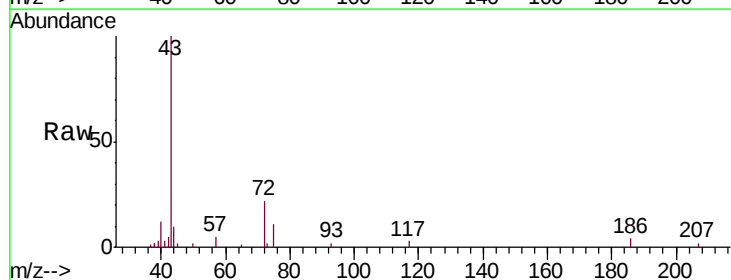


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

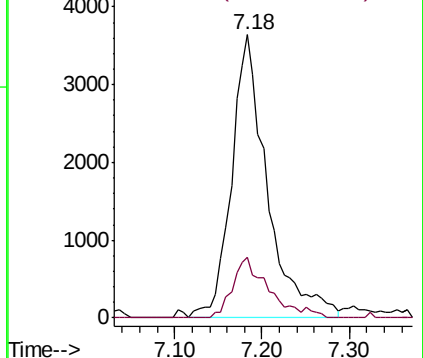
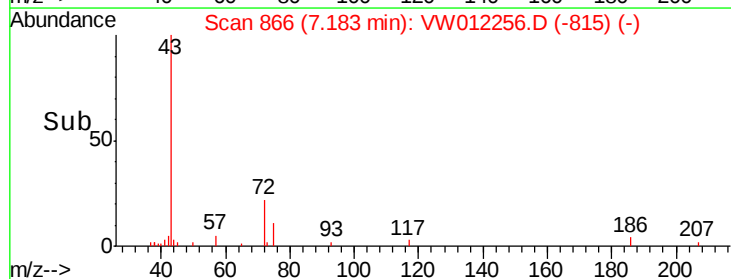


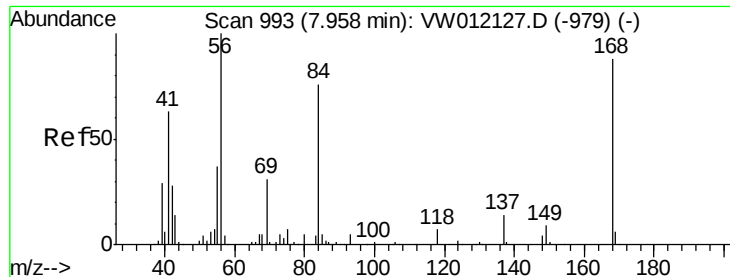
#25
2-Butanone
Concen: 10.792 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW012256.D
Acq: 28 Aug 2019 16:06

Tgt Ion: 43 Resp: 10393
Ion Ratio Lower Upper
43 100
72 21.6 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.145 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012256.D

Acq: 28 Aug 2019 16:06

Instrument :
MSVOA_W
ClientSampled :

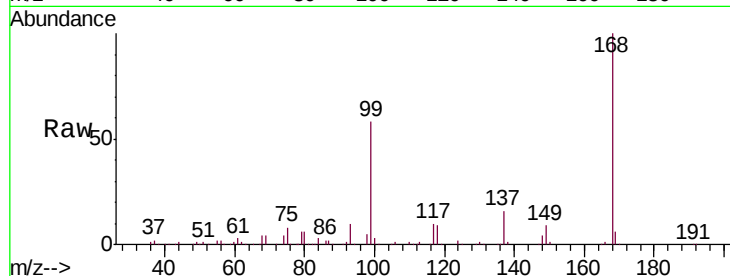
Tot Ion: 56 Resp: 5720

Ion Ratio Lower Upper

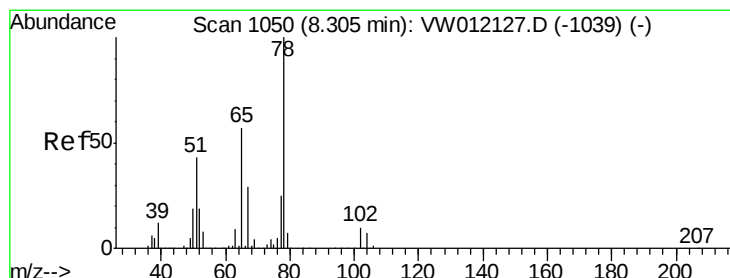
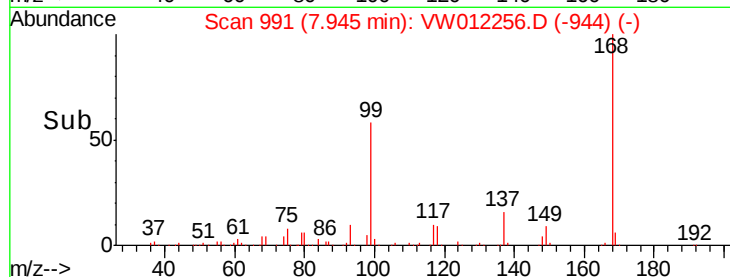
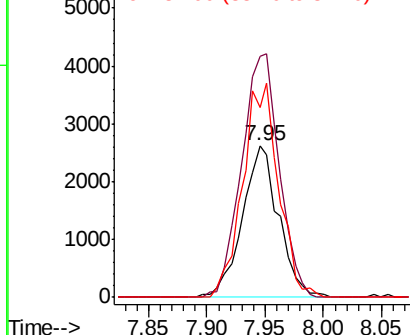
56 100

69 158.8 24.9 37.3#

84 124.8 60.6 90.8#



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: 50.741 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012256.D

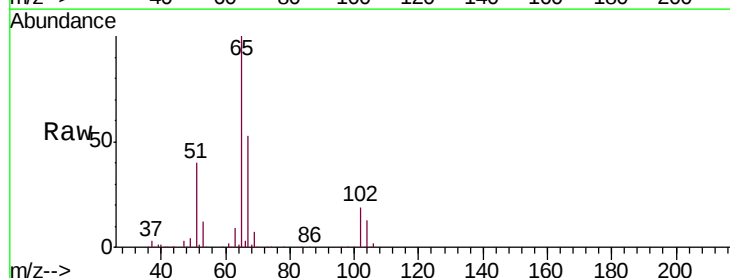
Acq: 28 Aug 2019 16:06

Tgt Ion: 65 Resp: 140678

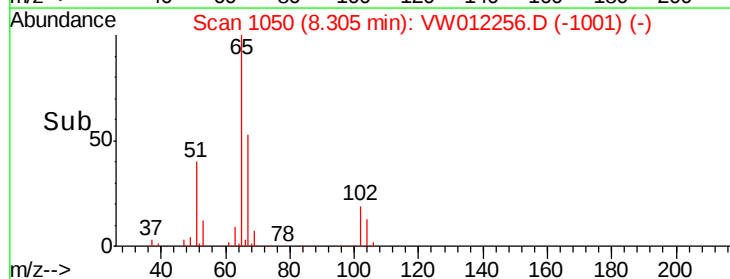
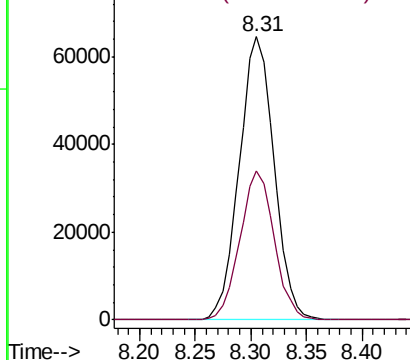
Ion Ratio Lower Upper

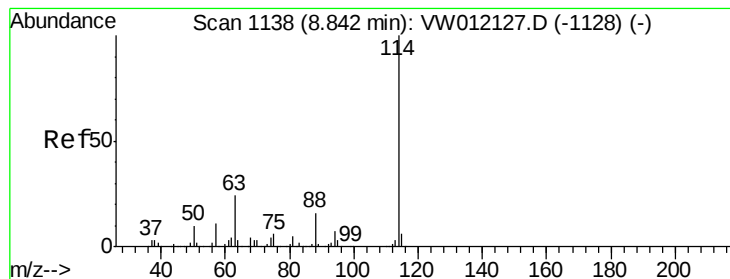
65 100

67 51.8 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012256.D

Acq: 28 Aug 2019 16:06

Instrument :

MSVOA_W

ClientSampled :

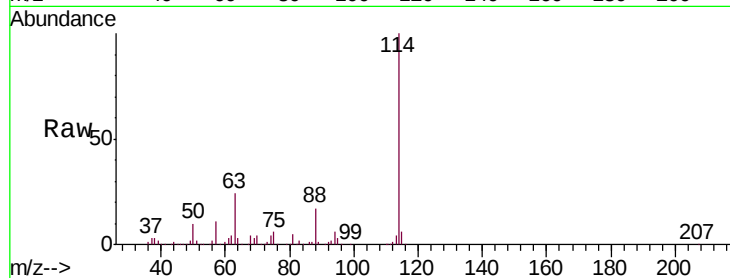
Tot Ion:114 Resp: 383234

Ion Ratio Lower Upper

114 100

63 24.4 0.0 48.6

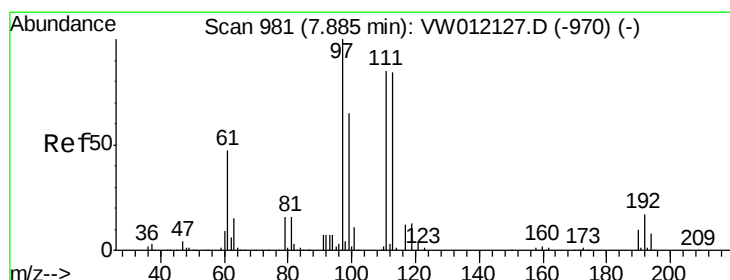
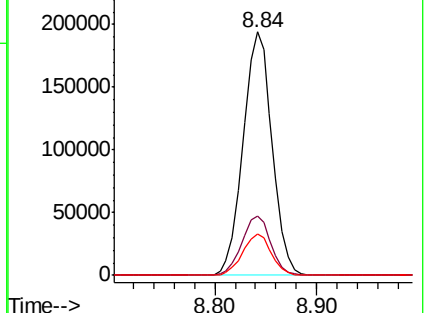
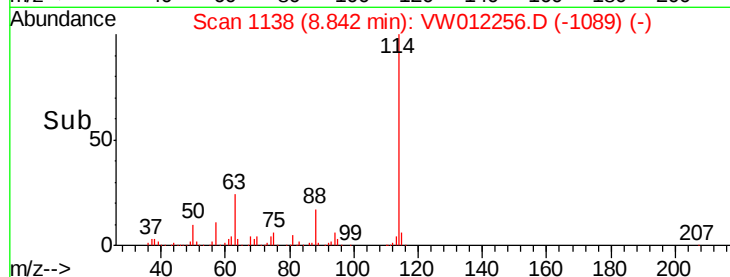
88 17.1 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 50.183 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012256.D

Acq: 28 Aug 2019 16:06

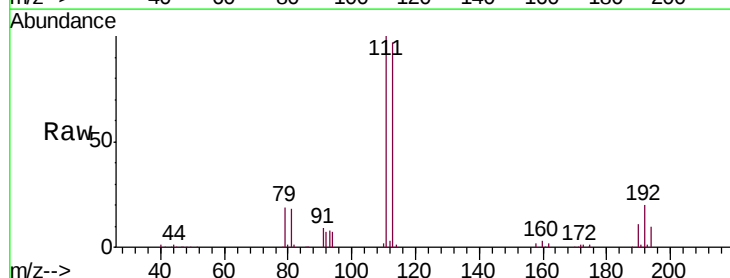
Tgt Ion:113 Resp: 114795

Ion Ratio Lower Upper

113 100

111 104.6 82.7 124.1

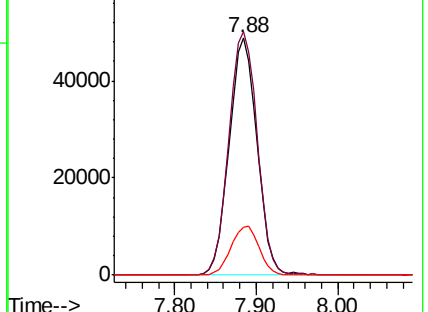
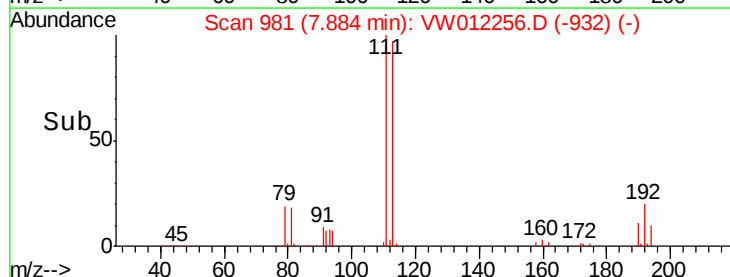
192 20.7 16.2 24.2

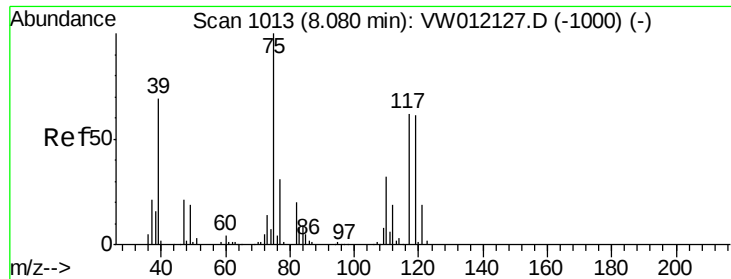


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

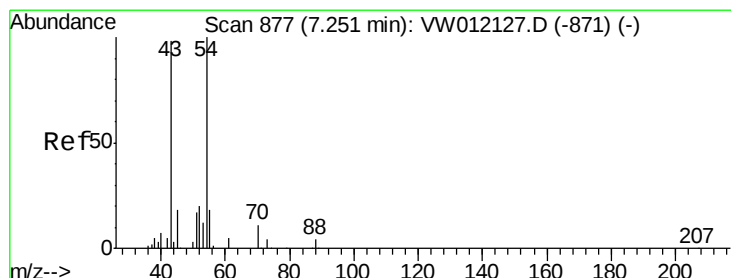
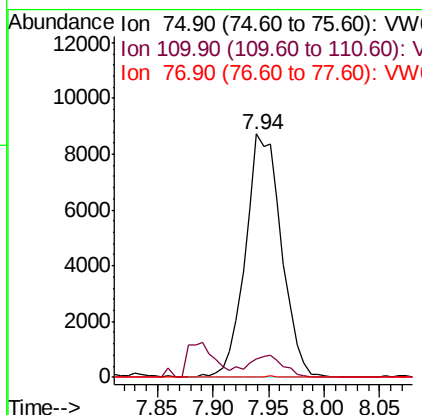
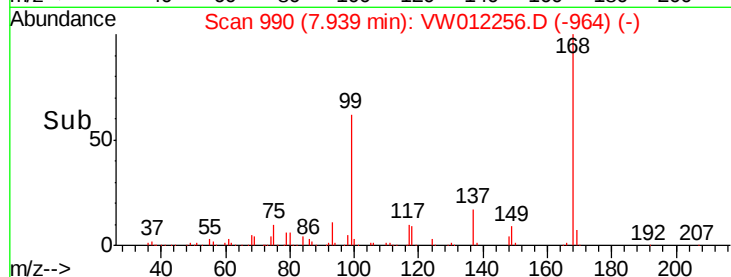
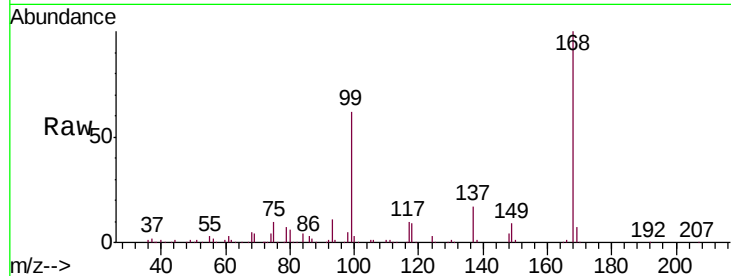




#36
 1,1-Dichloropropene
 Concen: 4.961 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012256.D
 Acq: 28 Aug 2019 16:06

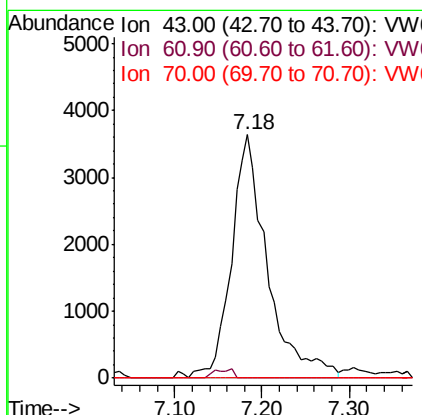
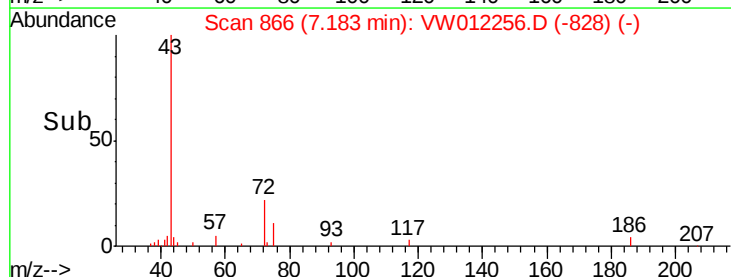
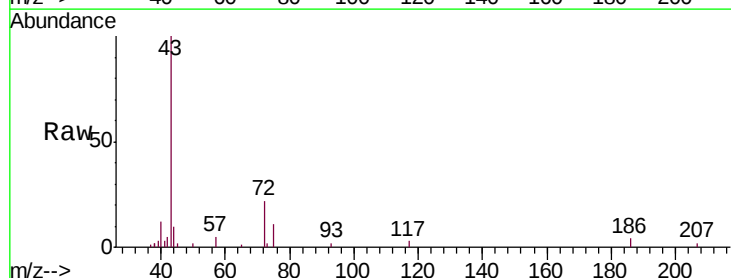
Instrument :
 MSVOA_W
 ClientSampleId :

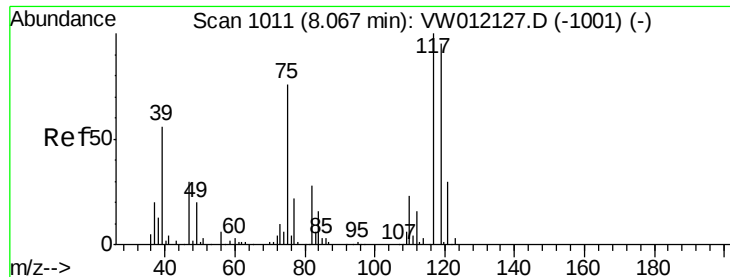
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	15.6	46.8#
77	0.1	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 4.789 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. -0.07 min
 Lab File: VW012256.D
 Acq: 28 Aug 2019 16:06

Tgt Ion	Ratio	Lower	Upper
43	100		
61	1.8	9.2	13.8#
70	0.0	6.9	10.3#

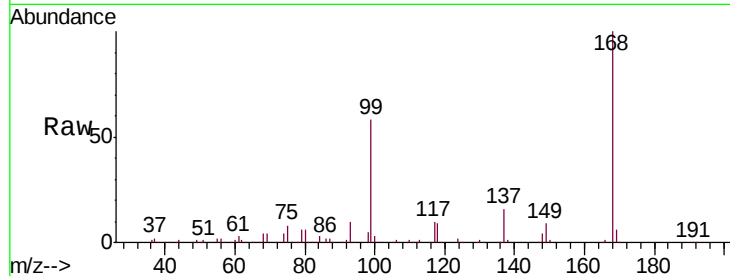




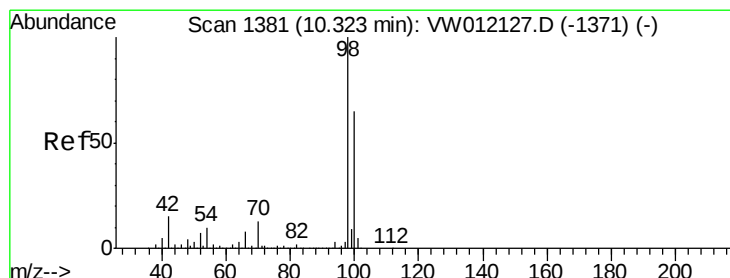
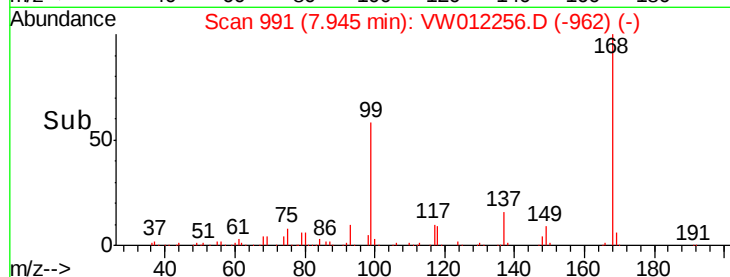
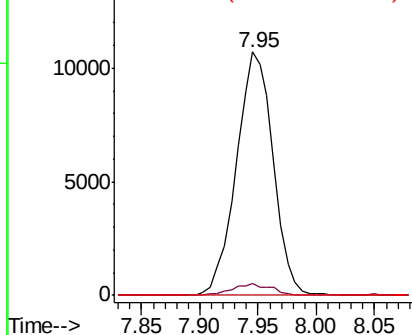
#38
Carbon Tetrachloride
Concen: 6.868 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012256.D
Acq: 28 Aug 2019 16:06

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 23542
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 23.8 35.8#

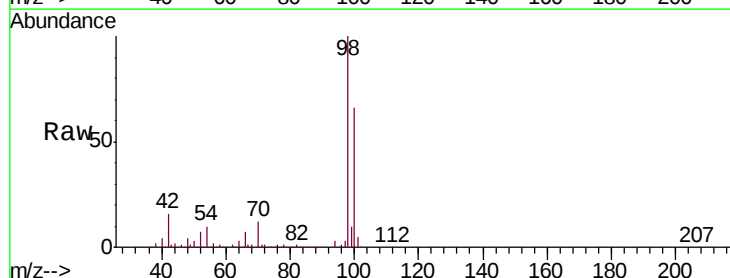


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

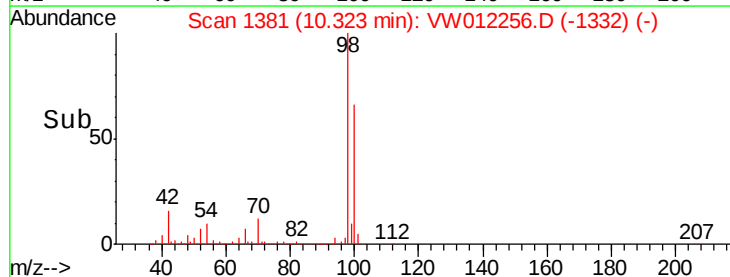
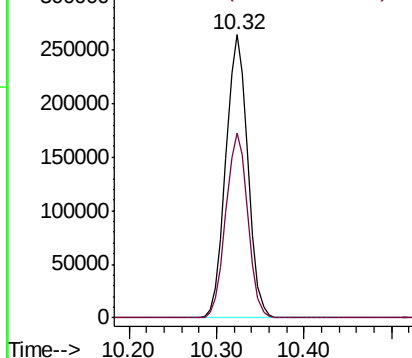


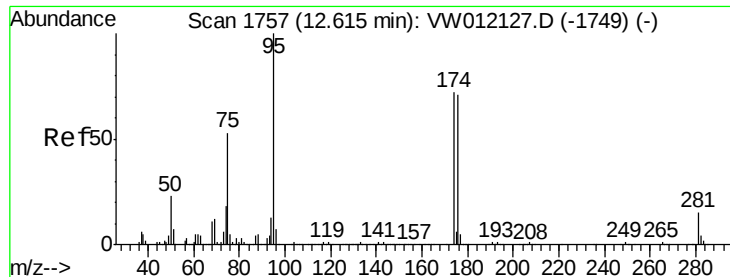
#50
Toluene-d8
Concen: 49.638 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012256.D
Acq: 28 Aug 2019 16:06

Tgt Ion: 98 Resp: 460404
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V

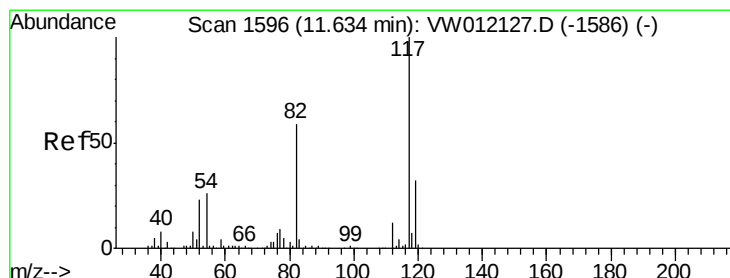
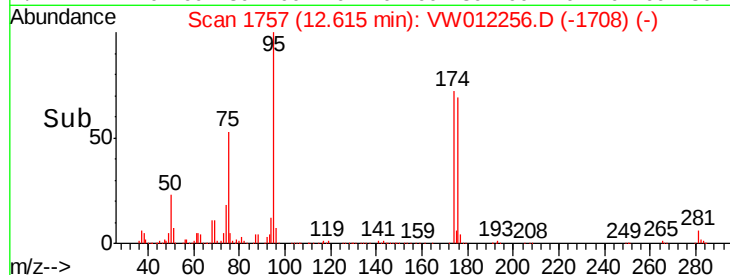
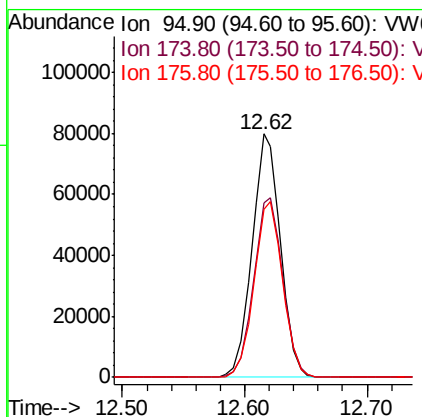
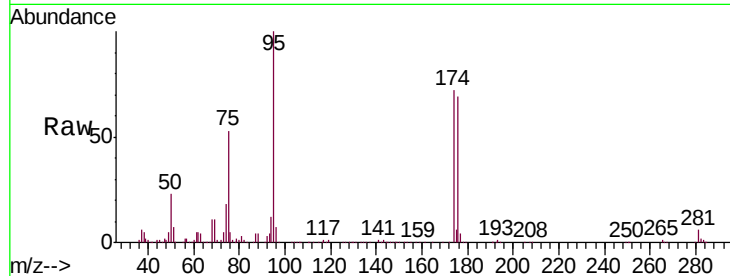




#62
4-Bromofluorobenzene
Concen: 39.408 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012256.D
Acq: 28 Aug 2019 16:06

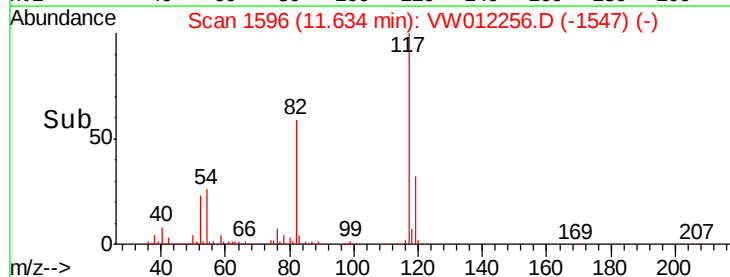
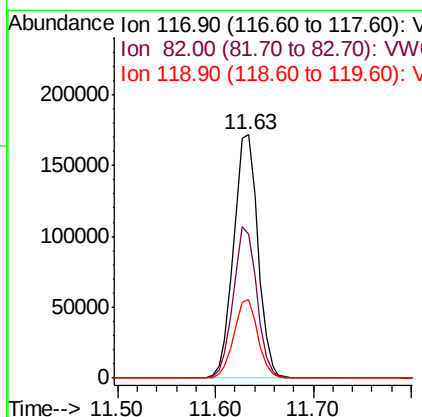
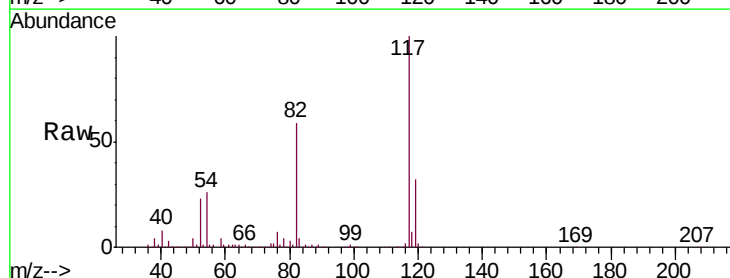
Instrument :
MSVOA_W
ClientSampleId :

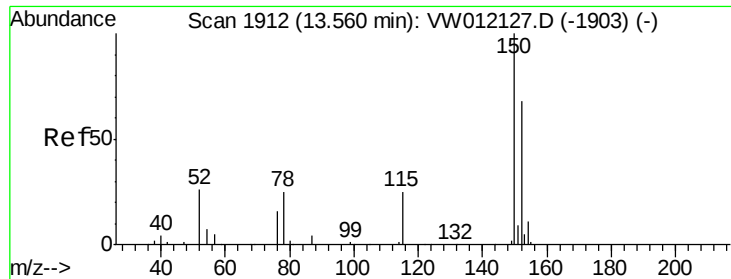
Tot Ion	95	Resp	128845
Ion Ratio	Lower	Upper	
95	100		
174	75.7	0.0	150.8
176	73.2	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012256.D
Acq: 28 Aug 2019 16:06

Tgt Ion	117	Resp	296983
Ion Ratio	Lower	Upper	
117	100		
82	59.1	47.4	71.2
119	32.4	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: VW012256.D

Acq: 28 Aug 2019 16:06

Instrument :

MSVOA_W

ClientSampleId :

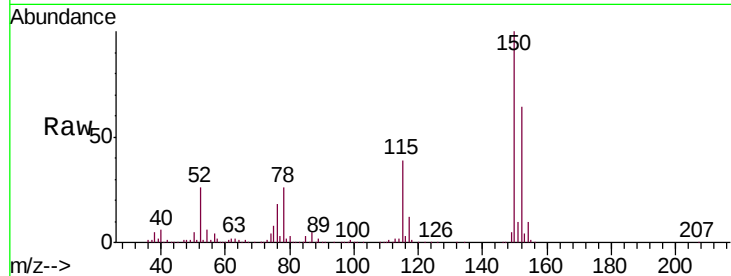
Tot Ion:152 Resp: 98667

Ion Ratio Lower Upper

152 100

115 60.1 30.1 90.3

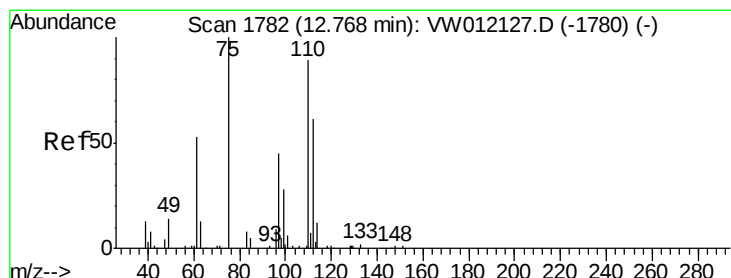
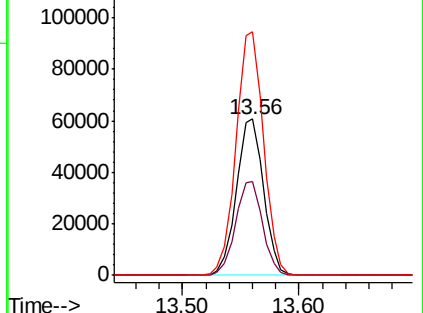
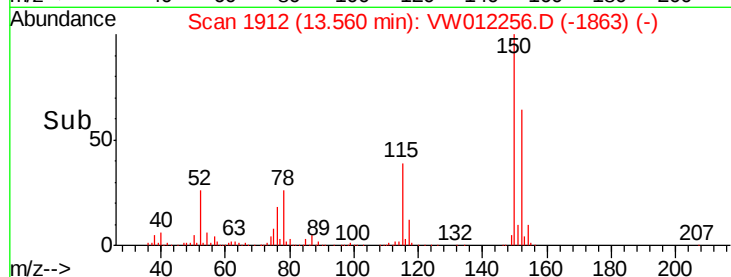
150 157.9 0.0 345.8



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: 70.995 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012256.D

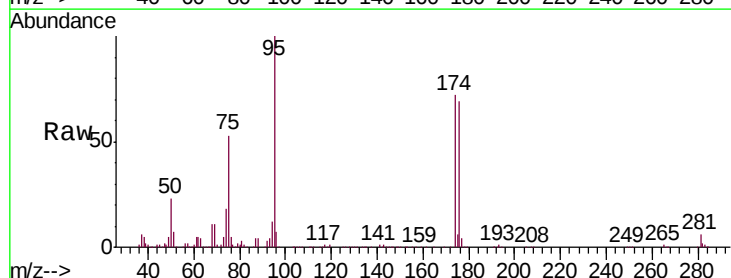
Acq: 28 Aug 2019 16:06

Tgt Ion: 75 Resp: 68222

Ion Ratio Lower Upper

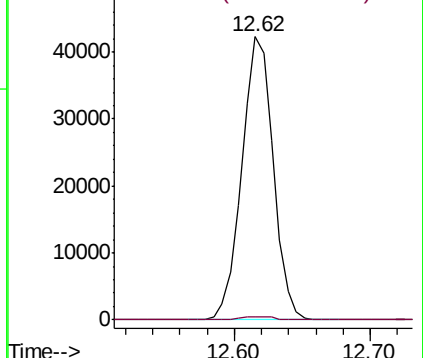
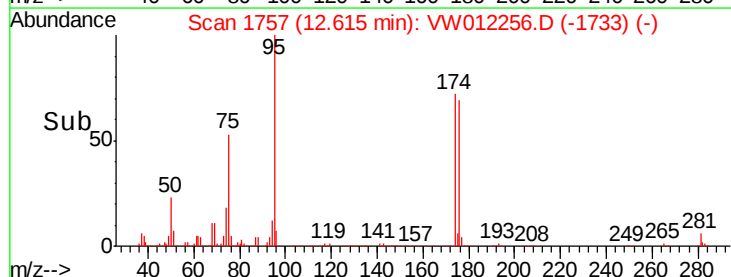
75 100

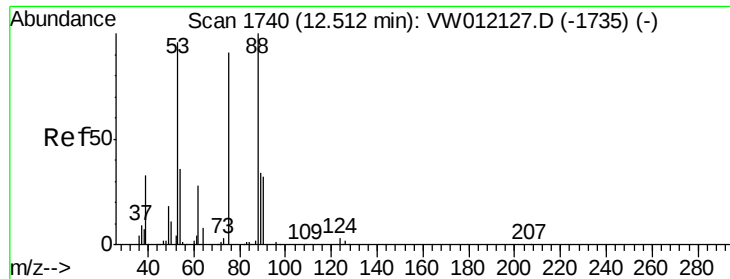
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

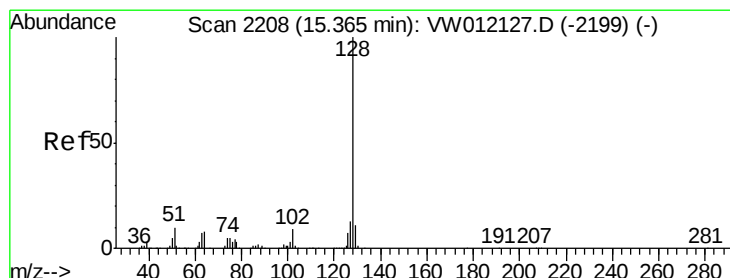
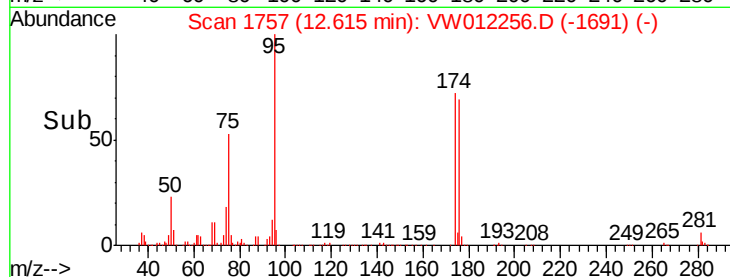
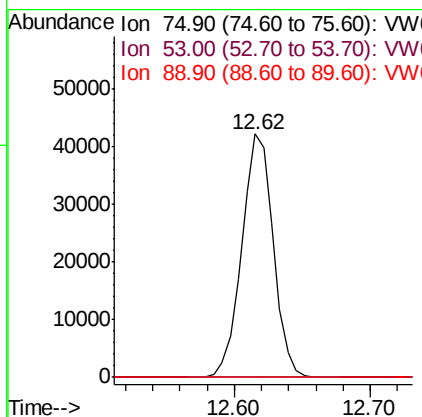
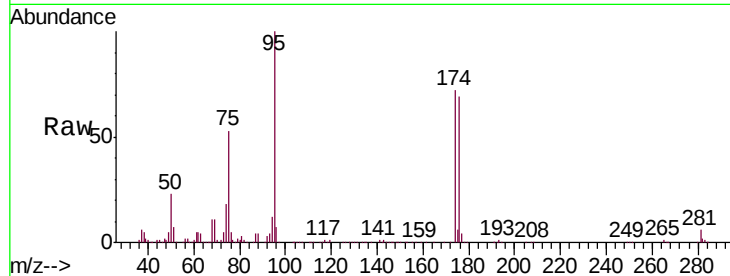




#81
trans-1,4-Dichloro-2-butene
Concen: 155.658 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012256.D
Acq: 28 Aug 2019 16:06

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 75 Resp: 68222
Ion Ratio Lower Upper
75 100
53 0.1 89.4 134.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.401 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012256.D
Acq: 28 Aug 2019 16:06

Tgt Ion: 128 Resp: 324
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 6.8 8.7 13.1#

