

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083119\
 Data File : VW012392.D
 Acq On : 31 Aug 2019 11:44
 Operator : SY/VA
 Sample : K4475-11
 Misc : 3.51G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 31 17:18:13 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	203659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	331247	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	249222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	72310	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	134271	55.46	ug/l	0.00
Spiked Amount			Recovery	=	110.92%	
35) Dibromofluoromethane	7.88	113	105698	53.46	ug/l	0.00
Spiked Amount			Recovery	=	106.92%	
50) Toluene-d8	10.32	98	395619	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.62	95	100585	35.59	ug/l	0.00
Spiked Amount			Recovery	=	71.18%	

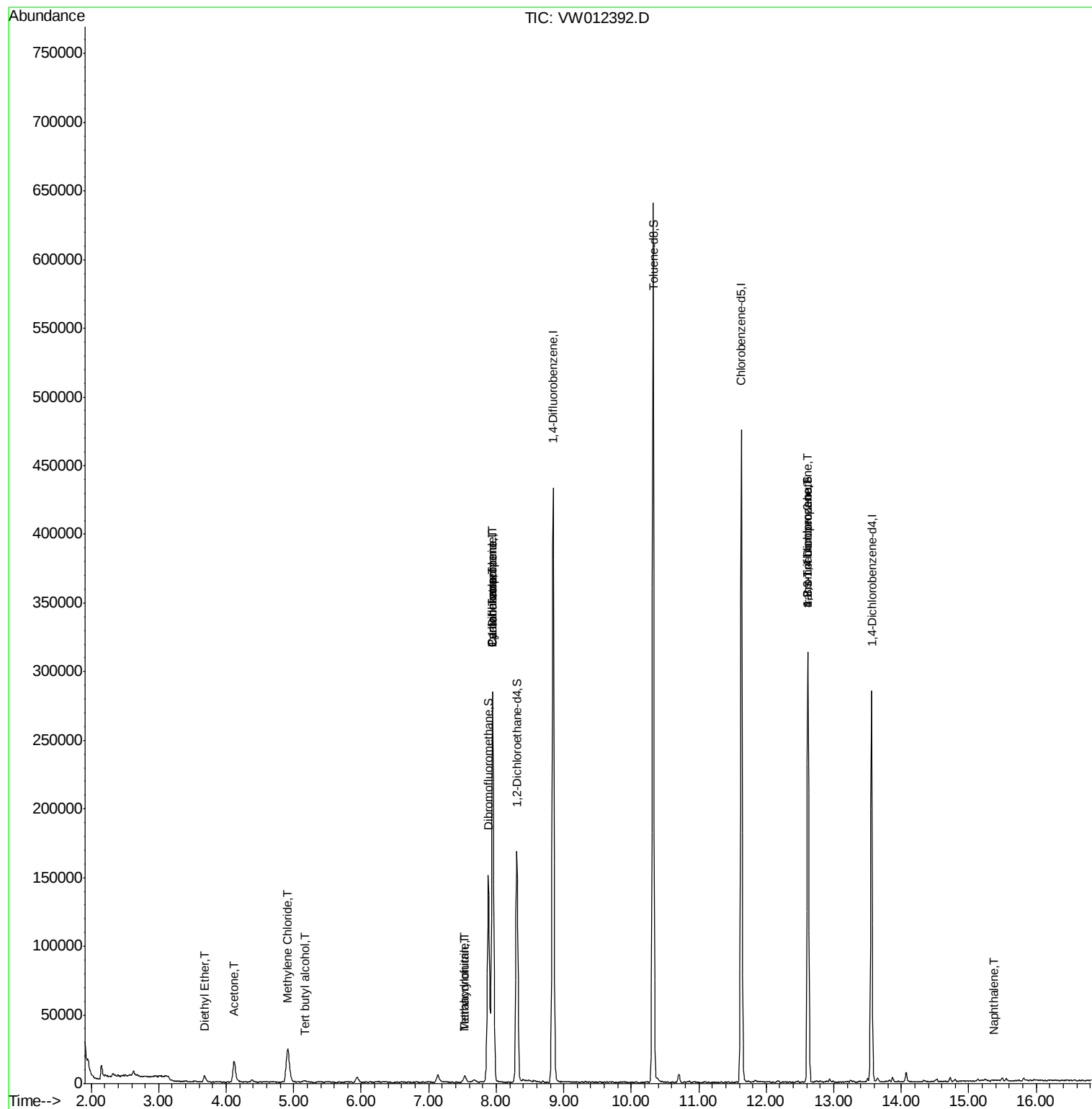
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2236	1.973	ug/l	92
11) Tert butyl alcohol	5.17	59	1172	8.044	ug/l #	71
16) Acetone	4.11	43	29323	47.382	ug/l #	89
20) Methylene Chloride	4.92	84	17607	7.526	ug/l	93
29) Tetrahydrofuran	7.53	42	4566	9.050	ug/l	94
31) Cyclohexane	7.95	56	5503	1.262	ug/l #	15
36) 1,1-Dichloropropene	7.95	75	18154	5.303	ug/l #	52
38) Carbon Tetrachloride	7.95	117	20214	6.823	ug/l #	17
41) Methacrylonitrile	7.53	41	2740	2.485	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	54908	77.967	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	54908	170.945	ug/l #	6
95) Naphthalene	15.36	128	609	4.525	ug/l #	86

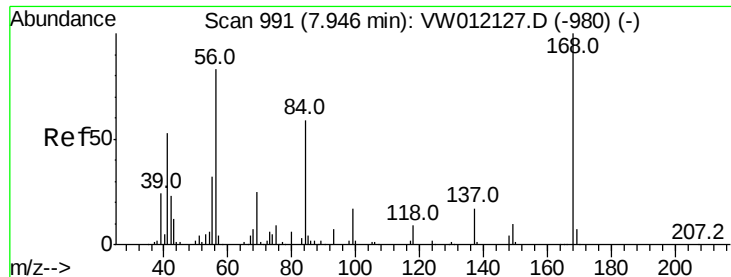
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW083119\
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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: VW012392.D

Acq: 31 Aug 2019 11:44

Instrument :

MSVOA_W

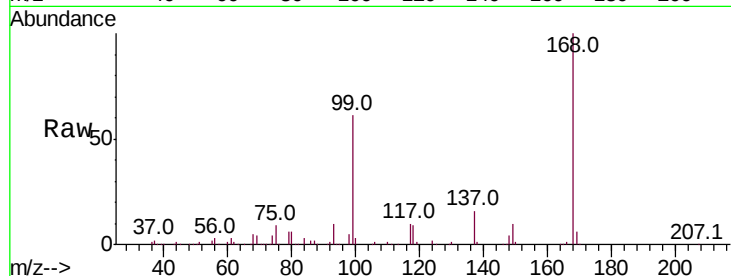
ClientSampleId :

Tot Ion:168 Resp: 203659

Ion Ratio Lower Upper

168 100

99 61.2 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

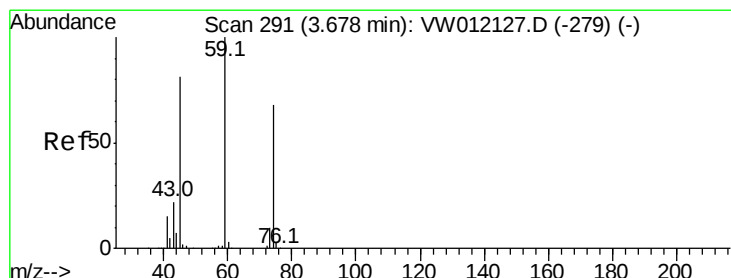
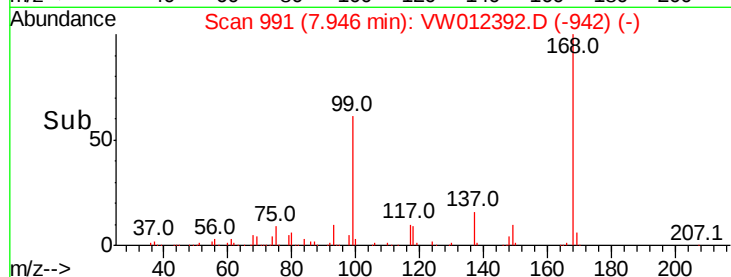
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.973 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012392.D

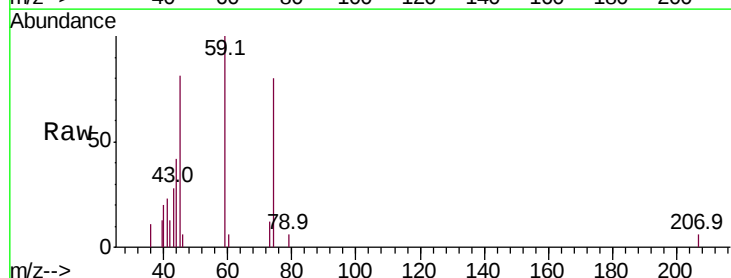
Acq: 31 Aug 2019 11:44

Tgt Ion: 74 Resp: 2236

Ion Ratio Lower Upper

74 100

45 127.7 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

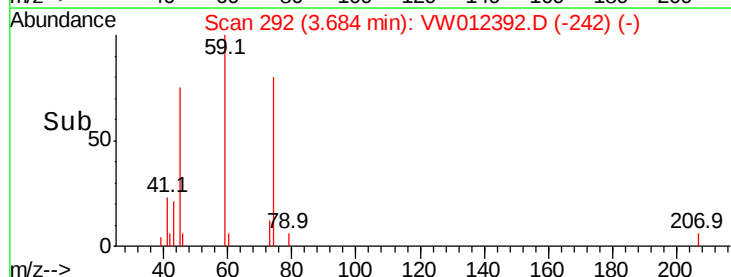
3.68

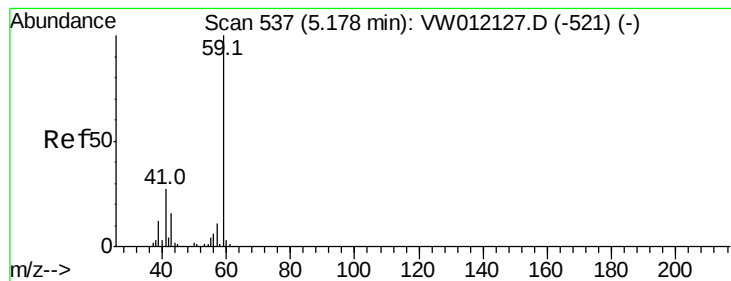
1000

500

0

Time--> 3.60 3.65 3.70 3.75



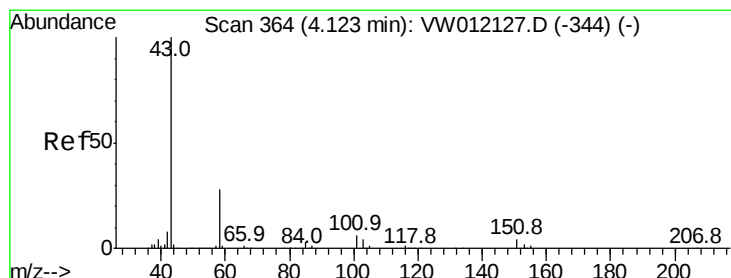
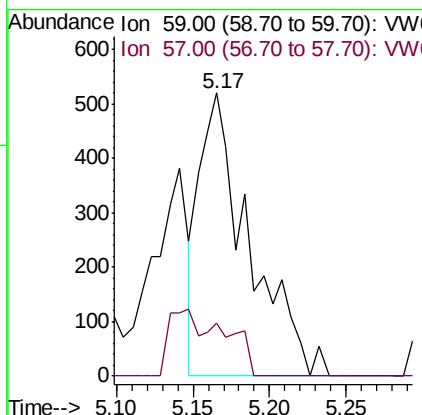
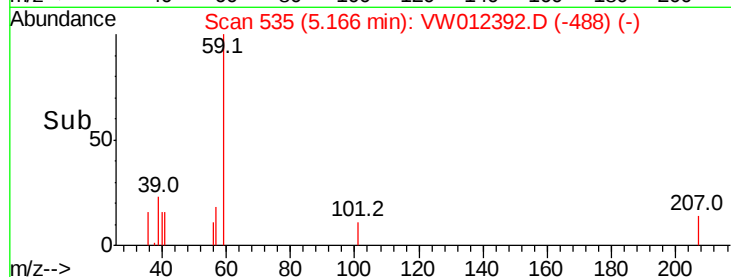
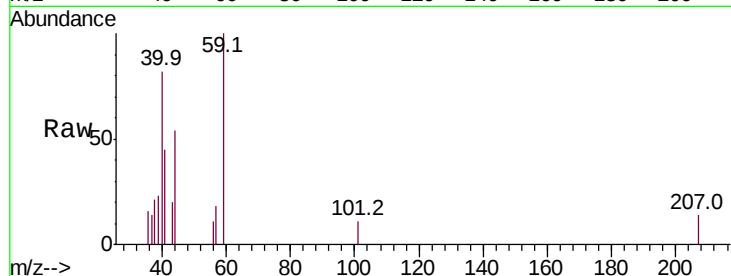


#11

Tert butyl alcohol
Concen: 8.044 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW012392.D
Acq: 31 Aug 2019 11:44

Instrument :
MSVOA_W
ClientSampleId :

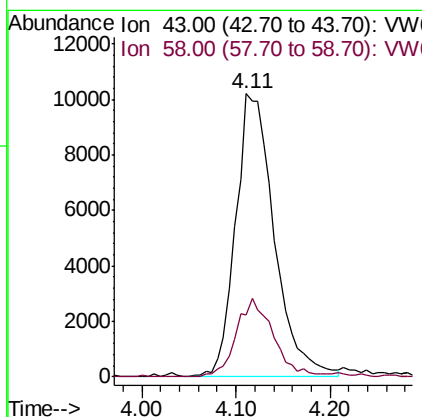
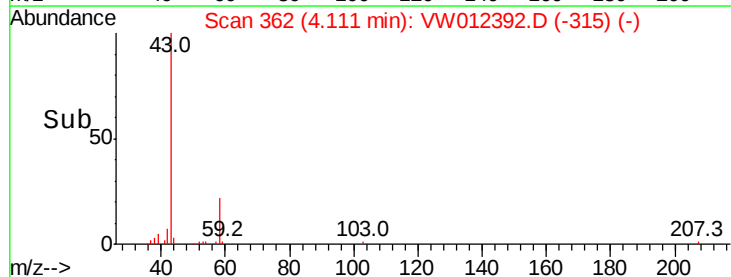
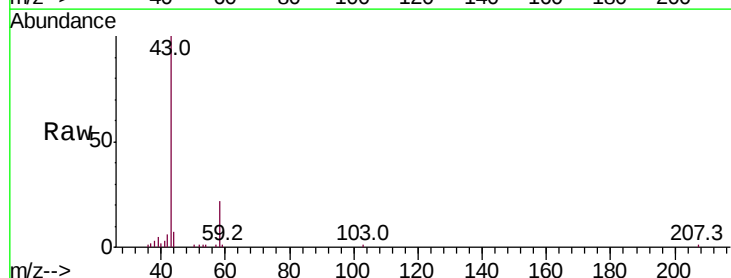
Tot Ion: 59 Resp: 1172
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

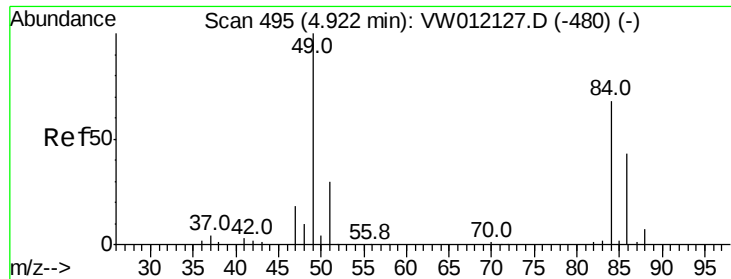


#16

Acetone
Concen: 47.382 ug/l
RT: 4.11 min Scan# 362
Delta R.T. -0.01 min
Lab File: VW012392.D
Acq: 31 Aug 2019 11:44

Tgt Ion: 43 Resp: 29323
Ion Ratio Lower Upper
43 100
58 22.1 22.4 33.6#

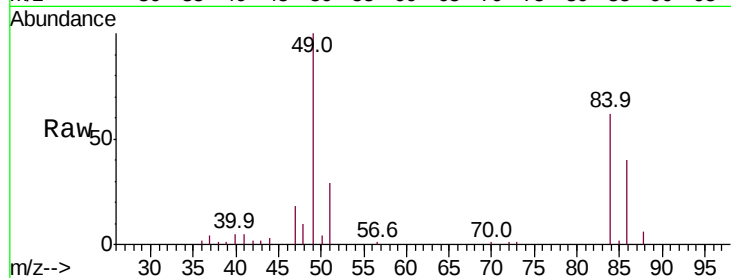




#20
Methvlene Chloride
Concen: 7.526 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012392.D
Acq: 31 Aug 2019 11:44

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	84	Resp:	17607
Ion	Ratio	Lower	Upper
84	100		
49	160.8	117.8	176.8
51	46.5	35.6	53.4
86	64.4	51.2	76.8



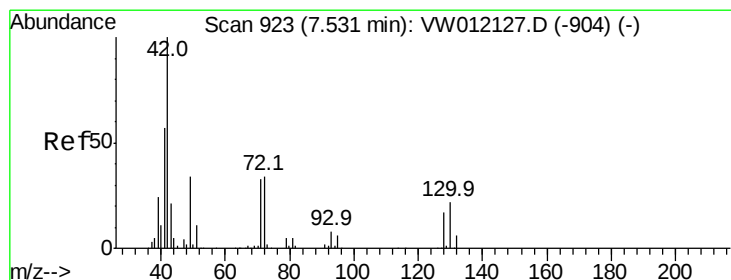
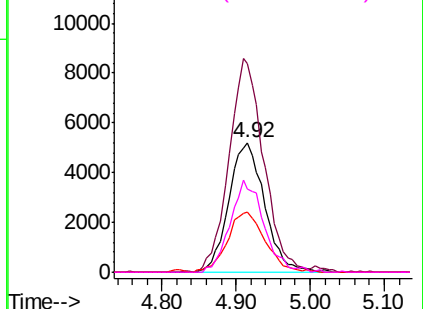
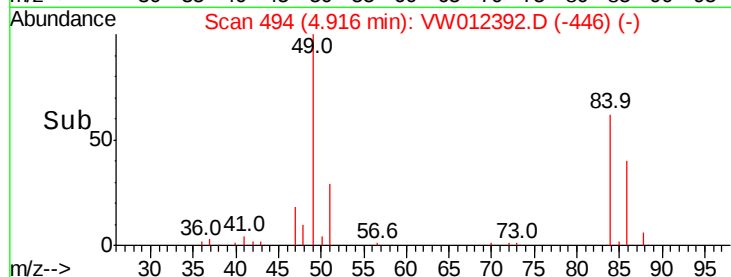
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

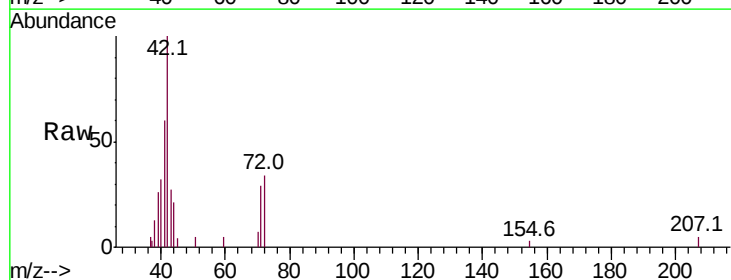
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#29
Tetrahydrofuran
Concen: 9.050 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012392.D
Acq: 31 Aug 2019 11:44

Tgt Ion:	42	Resp:	4566
Ion	Ratio	Lower	Upper
42	100		
72	32.3	27.3	40.9
71	26.8	25.5	38.3

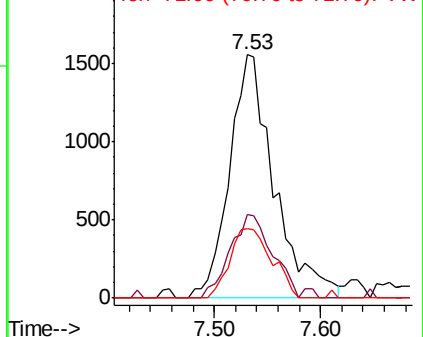
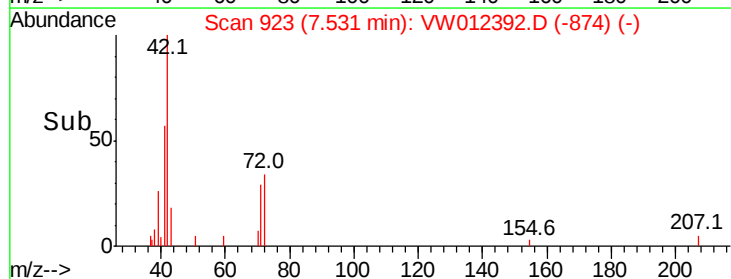


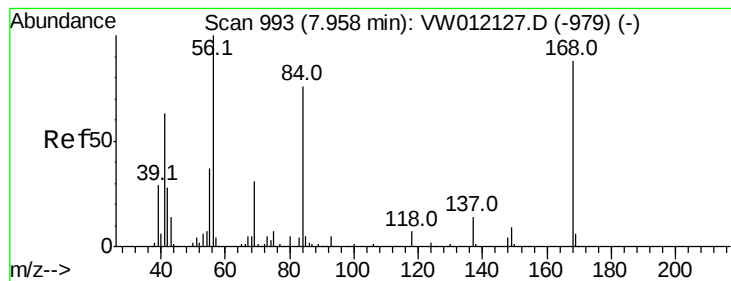
Abundance

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: 1.262 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

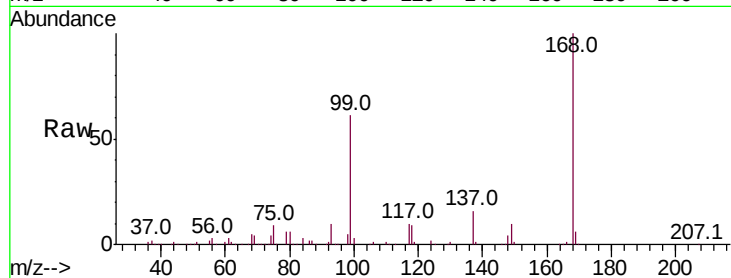
Lab File: VW012392.D

Acq: 31 Aug 2019 11:44

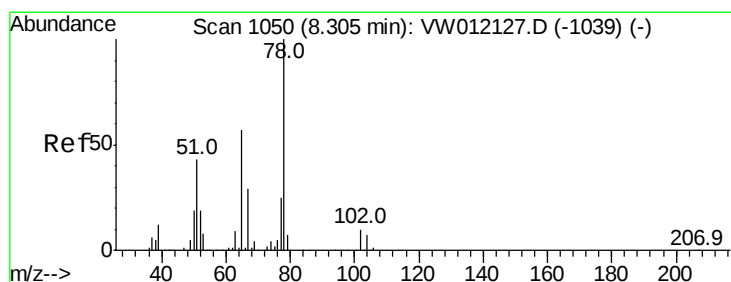
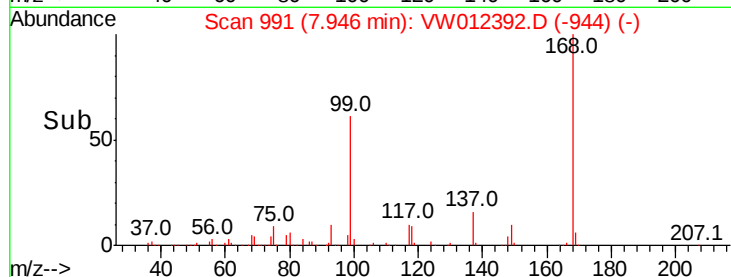
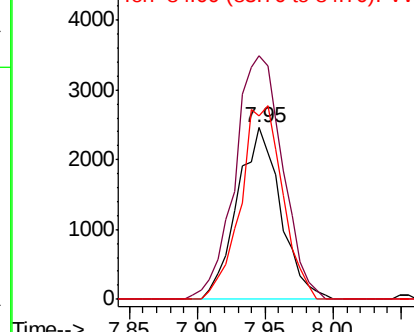
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 5503

Ion	Ratio	Lower	Upper
56	100		
69	142.1	24.9	37.3#
84	106.9	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: 55.461 ug/l

RT: 8.31 min Scan# 1050

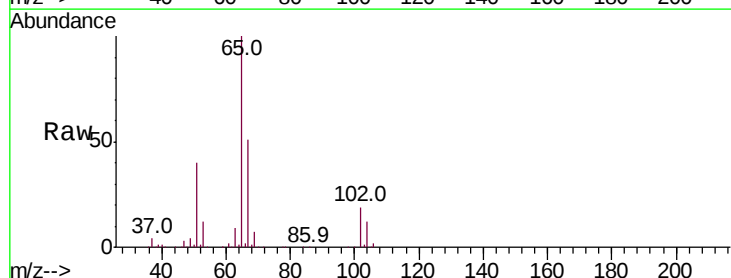
Delta R.T. -0.00 min

Lab File: VW012392.D

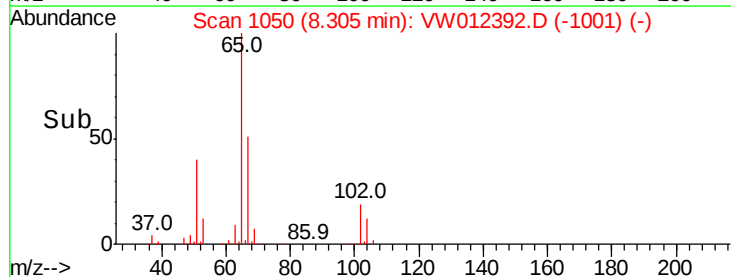
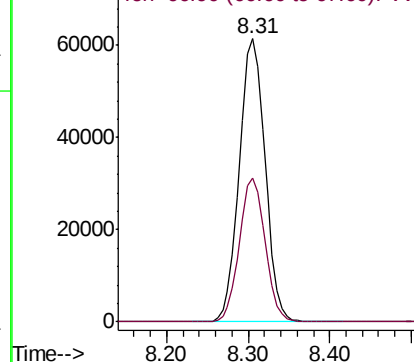
Acq: 31 Aug 2019 11:44

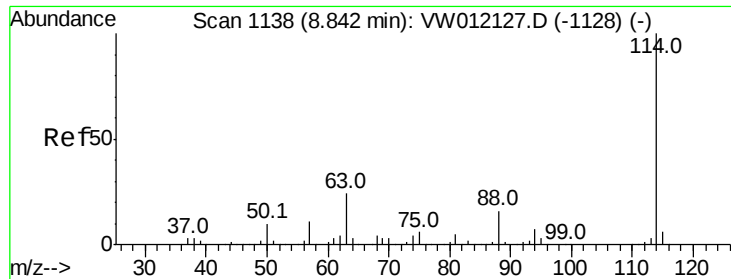
Tgt Ion: 65 Resp: 134271

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	102.6



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

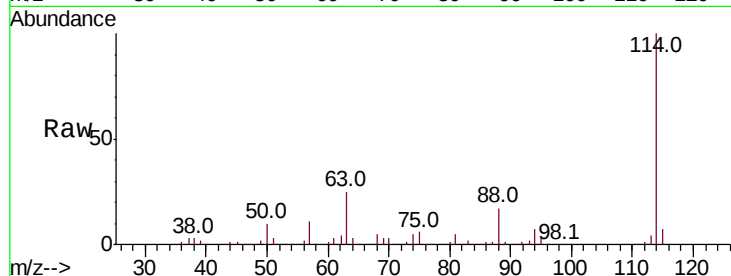




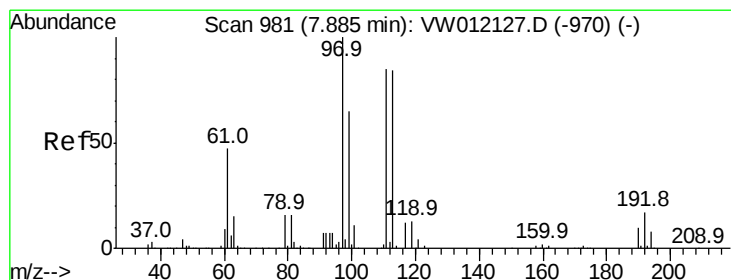
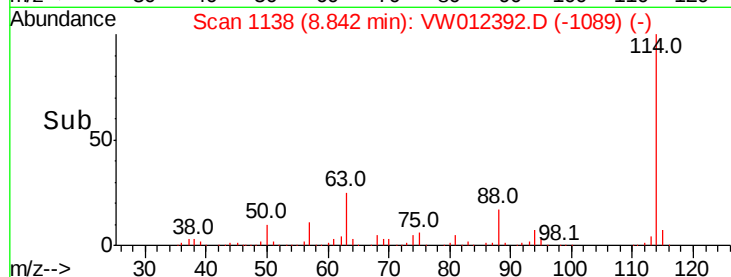
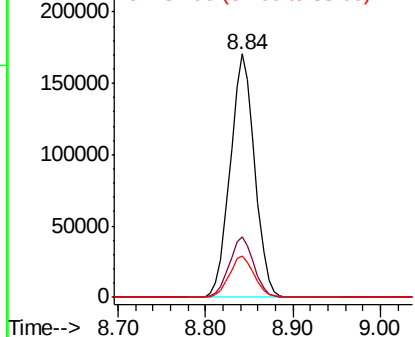
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012392.D
 Acq: 31 Aug 2019 11:44

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.0	0.0	48.6
88	17.0	0.0	32.2

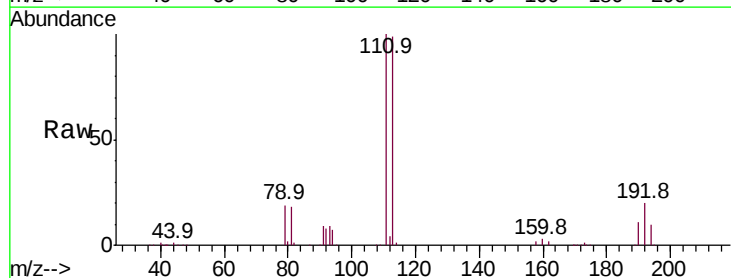


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

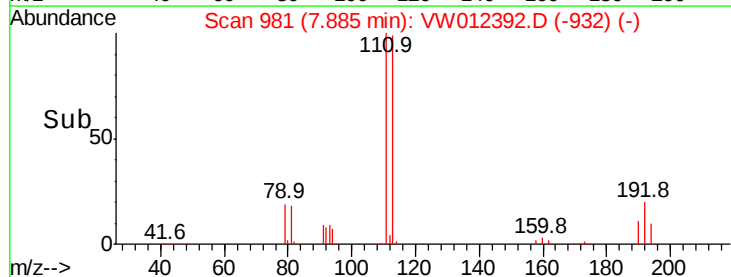
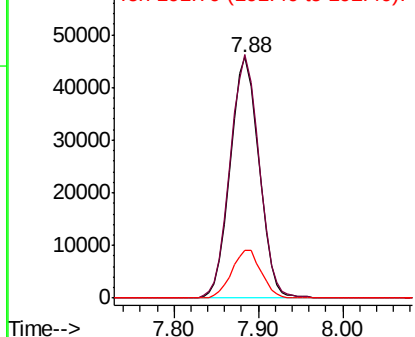


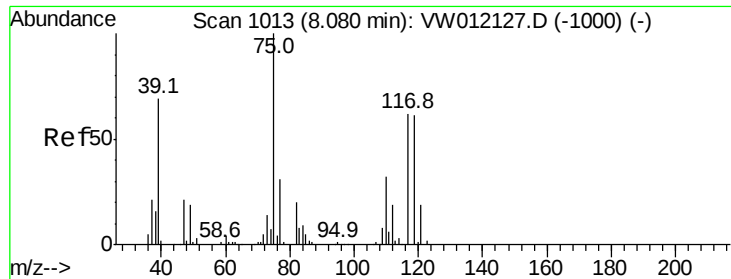
#35
 Dibromofluoromethane
 Concen: 53.458 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012392.D
 Acq: 31 Aug 2019 11:44

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.7	124.1
192	20.3	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

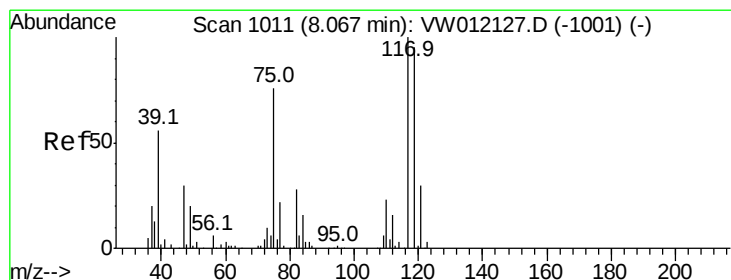
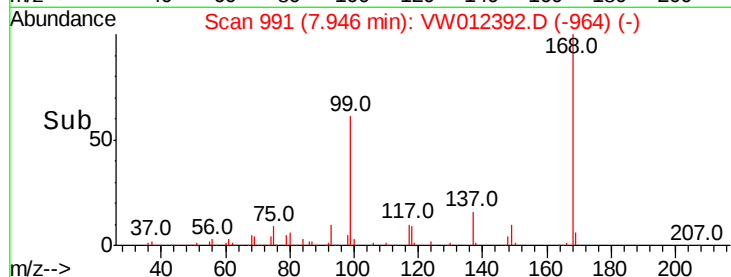
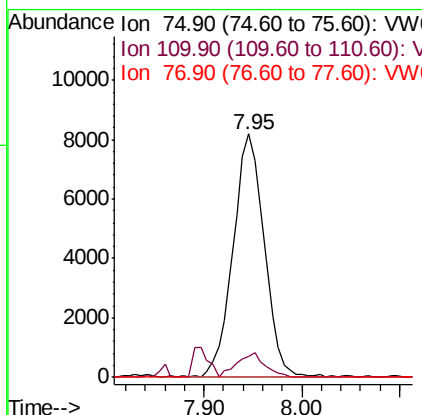
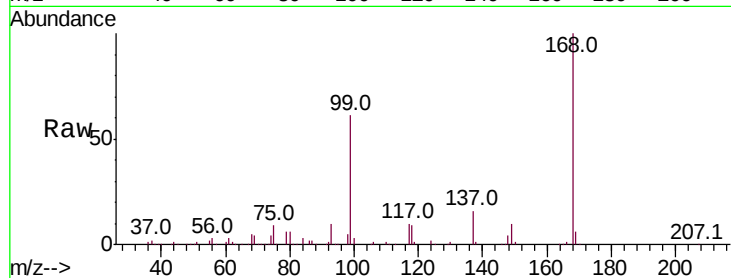




#36
 1,1-Dichloropropene
 Concen: 5.303 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012392.D
 Acq: 31 Aug 2019 11:44

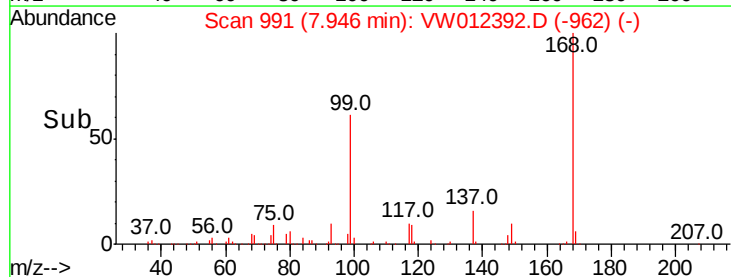
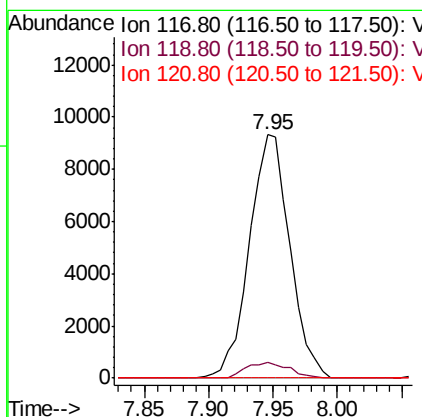
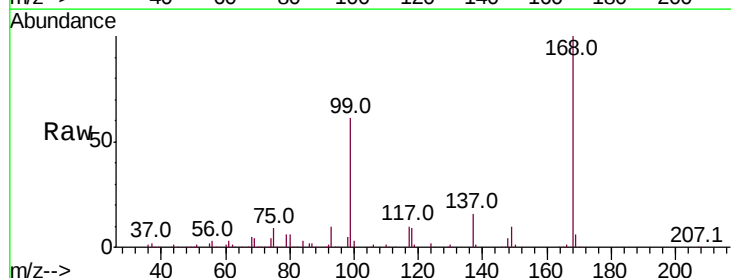
Instrument :
 MSVOA_W
 ClientSampleId :

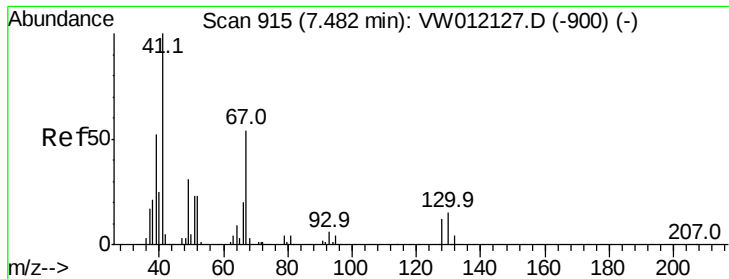
Tot Ion: 75 Resp: 18154
 Ion Ratio Lower Upper
 75 100
 110 9.0 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.823 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012392.D
 Acq: 31 Aug 2019 11:44

Tgt Ion: 117 Resp: 20214
 Ion Ratio Lower Upper
 117 100
 119 6.6 76.2 114.2#
 121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 2.485 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012392.D

Acq: 31 Aug 2019 11:44

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 41 Resp: 2740

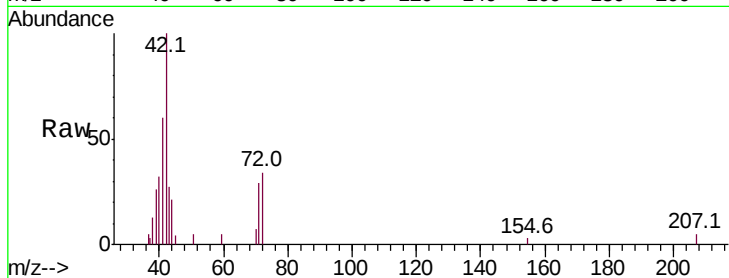
Ion Ratio Lower Upper

41 100

39 52.5 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

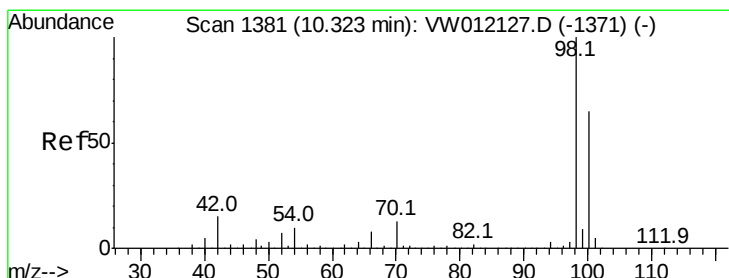
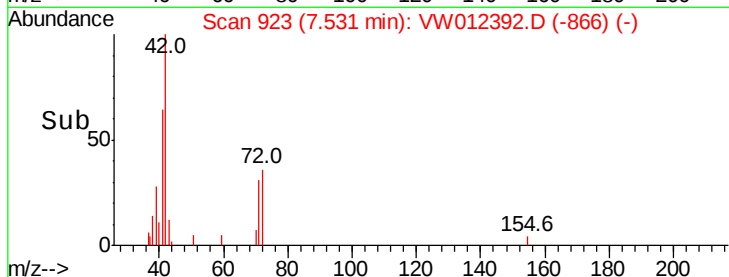
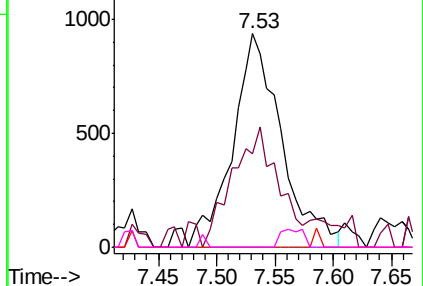


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 49.347 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012392.D

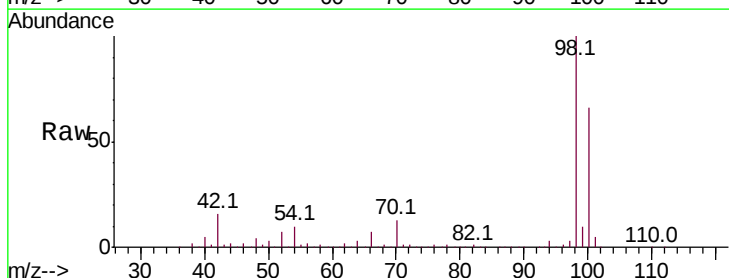
Acq: 31 Aug 2019 11:44

Tgt Ion: 98 Resp: 395619

Ion Ratio Lower Upper

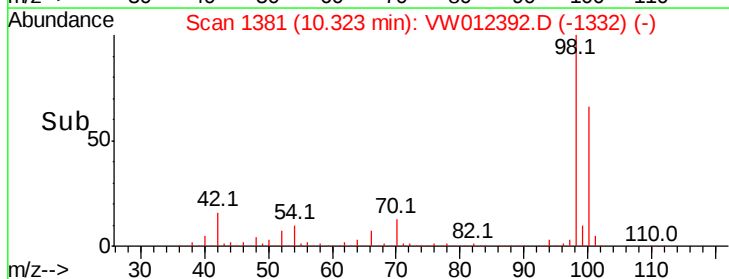
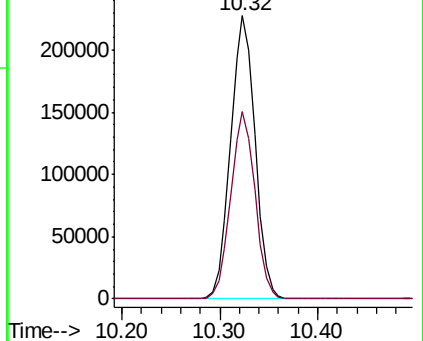
98 100

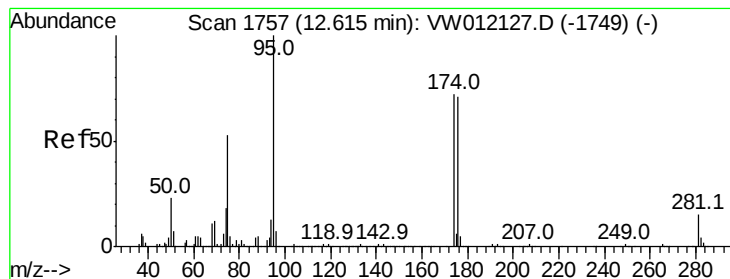
100 65.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 35.593 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012392.D

Acq: 31 Aug 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

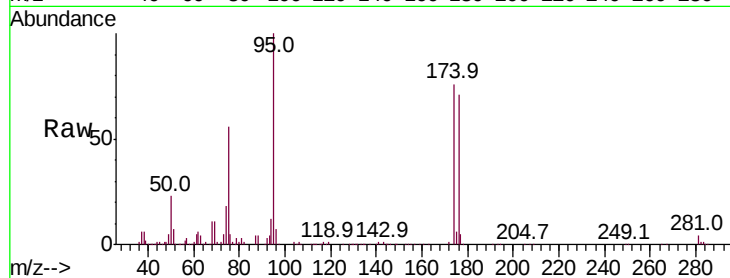
Tot Ion: 95 Resp: 100585

Ion Ratio Lower Upper

95 100

174 78.9 0.0 150.8

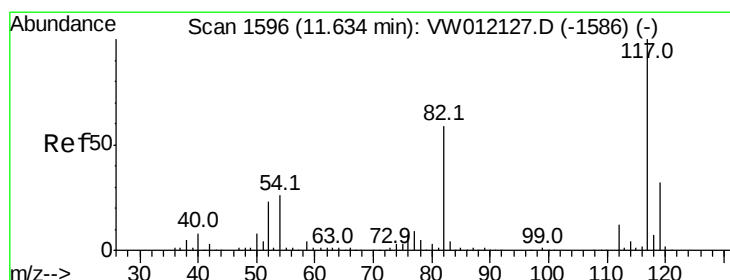
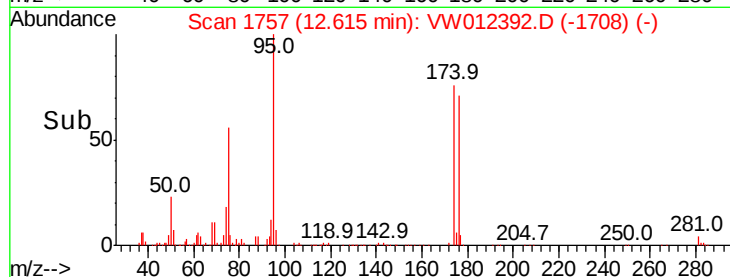
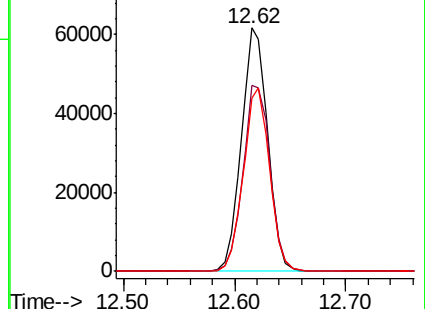
176 75.3 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW012392.D

Acq: 31 Aug 2019 11:44

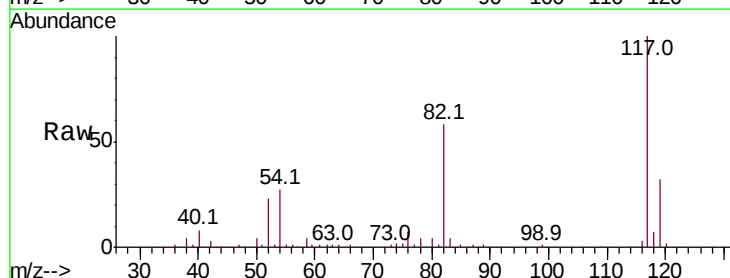
Tgt Ion: 117 Resp: 249222

Ion Ratio Lower Upper

117 100

82 58.4 47.4 71.2

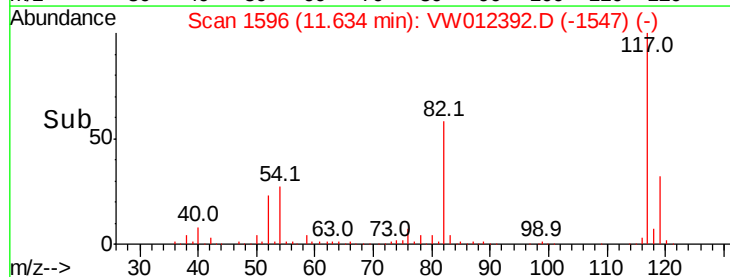
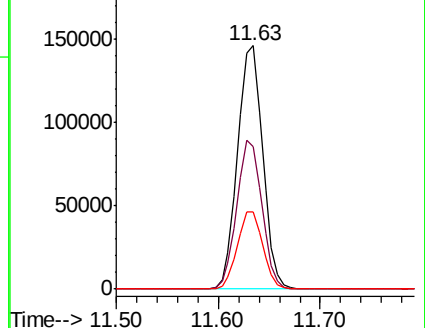
119 31.5 25.4 38.2

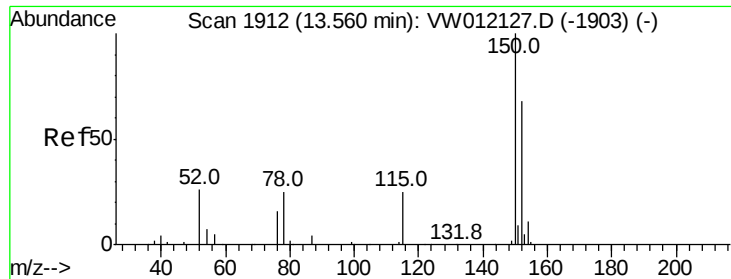


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012392.D

Acq: 31 Aug 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

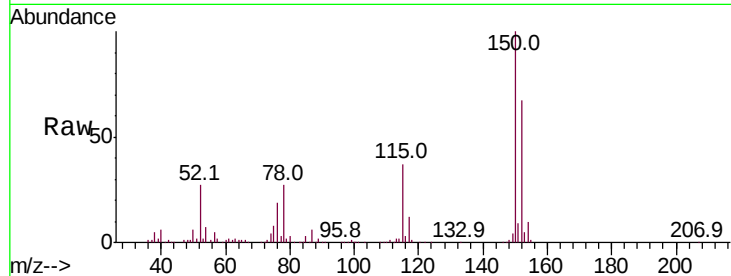
Tot Ion:152 Resp: 72310

Ion Ratio Lower Upper

152 100

115 59.3 30.1 90.3

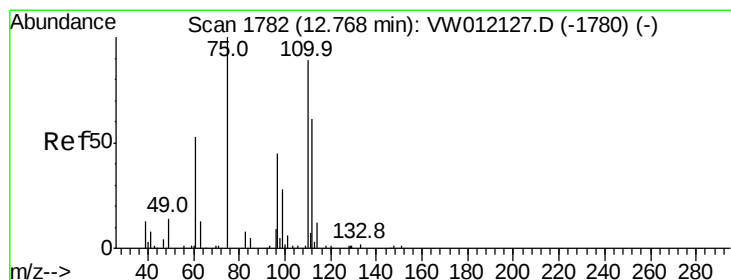
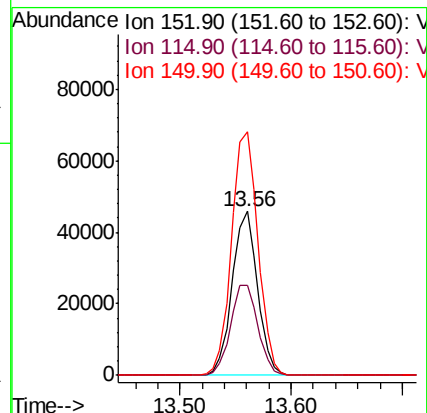
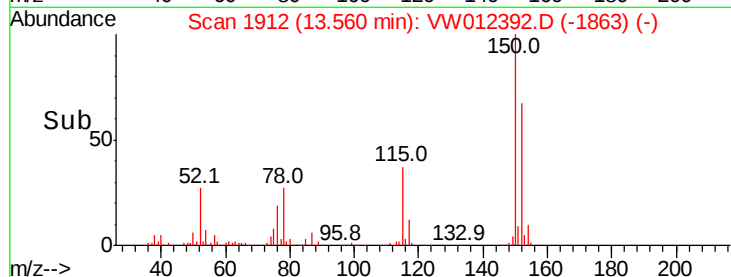
150 154.6 0.0 345.8



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: 77.967 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012392.D

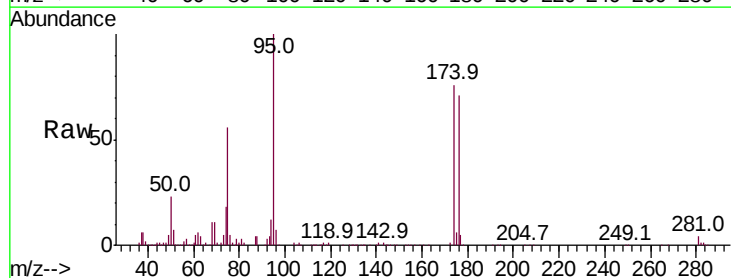
Acq: 31 Aug 2019 11:44

Tgt Ion: 75 Resp: 54908

Ion Ratio Lower Upper

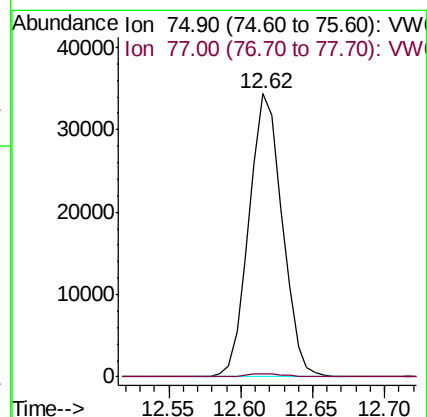
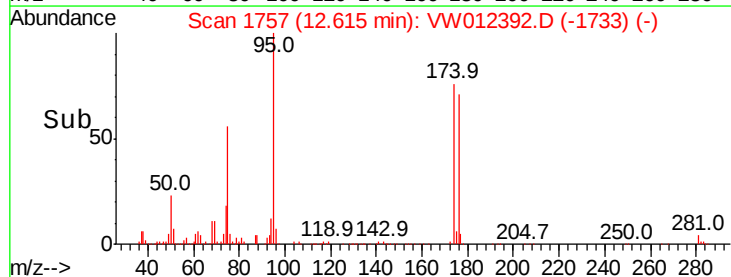
75 100

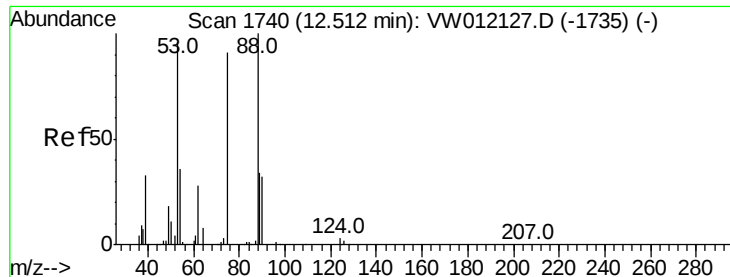
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

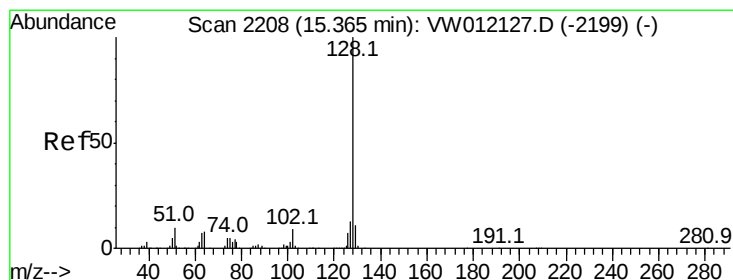
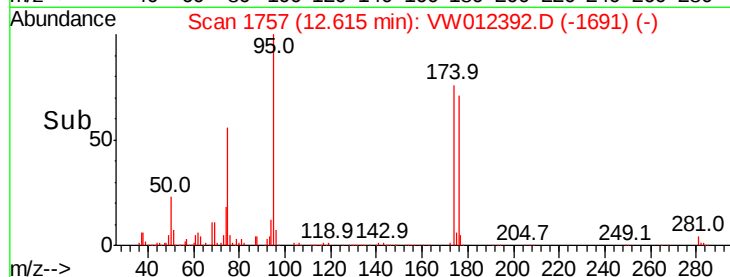
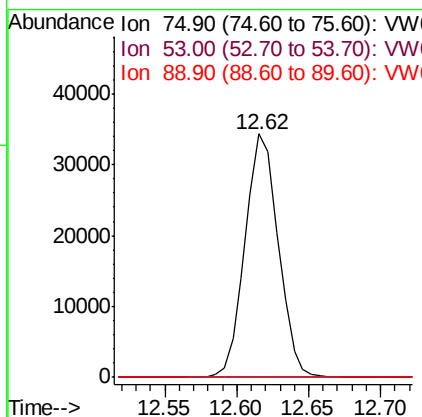
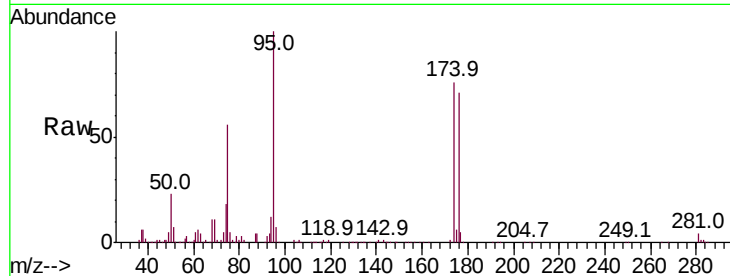




#81
trans-1,4-Dichloro-2-butene
Concen: 170.945 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012392.D
Acq: 31 Aug 2019 11:44

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 54908
Ion Ratio Lower Upper
75 100
53 0.1 89.4 134.0#
89 0.1 34.5 51.7#



#95
Naphthalene
Concen: 4.525 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012392.D
Acq: 31 Aug 2019 11:44

Tgt Ion: 128 Resp: 609
Ion Ratio Lower Upper
128 100
127 12.6 10.7 16.1
129 0.0 8.7 13.1#

