

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012259.D
 Acq On : 28 Aug 2019 17:24
 Operator : SY/VA
 Sample : K4560-01RE
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 28 18:47:03 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	238605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	391997	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	292153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	84993	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	145934	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
35) Dibromofluoromethane	7.88	113	118740	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
50) Toluene-d8	10.32	98	467255	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.62	95	122929	36.76	ug/l	0.00
Spiked Amount			Recovery	=	73.52%	

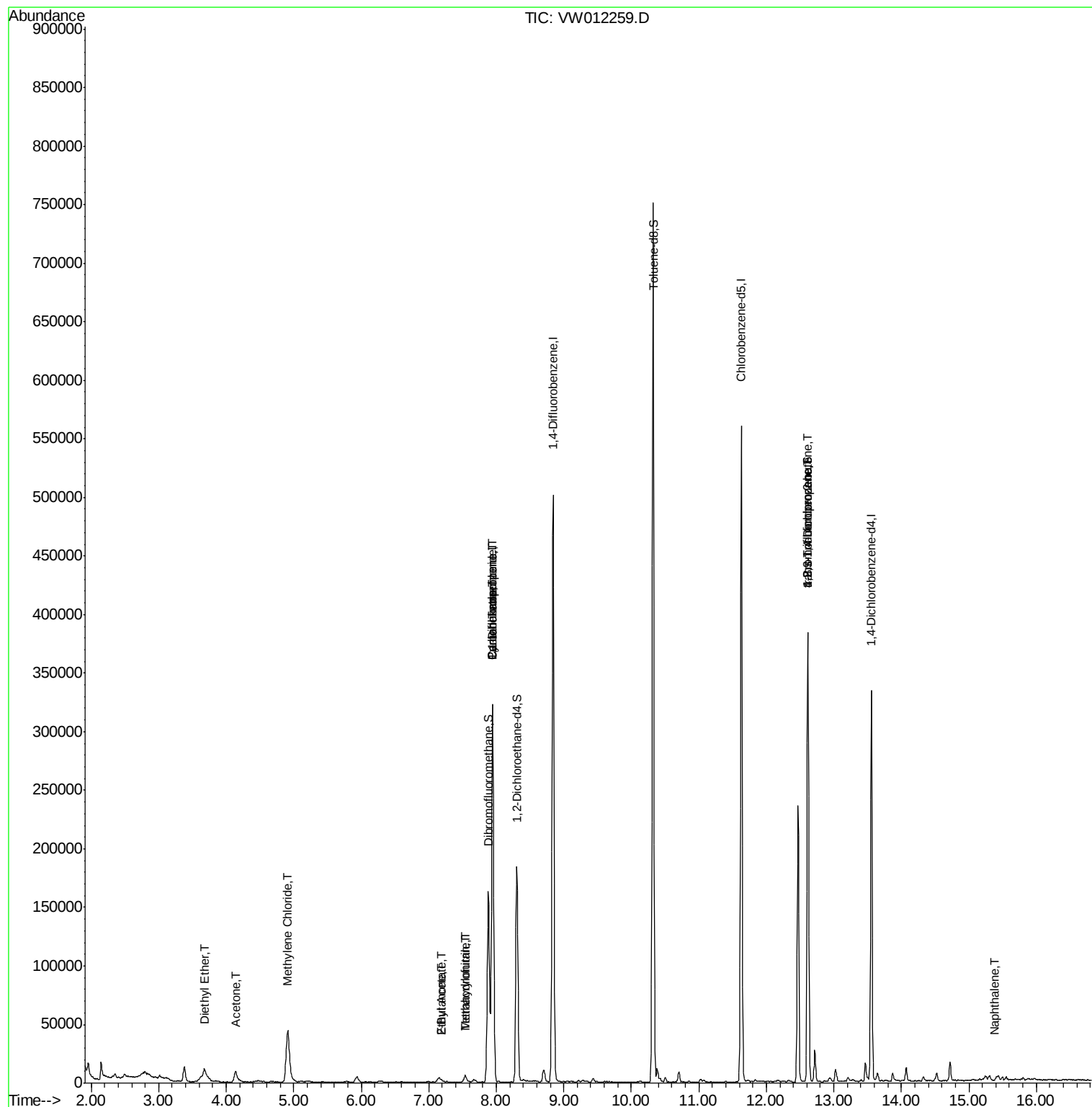
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	3296	2.482	ug/l #	1
16) Acetone	4.14	43	18336	25.289	ug/l	95
20) Methylene Chloride	4.91	84	33910	12.371	ug/l	97
25) 2-Butanone	7.19	43	2392	2.428	ug/l	98
29) Tetrahydrofuran	7.54	42	5115	8.653	ug/l	95
31) Cyclohexane	7.94	56	5665	1.109	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20446	5.047	ug/l #	51
37) Ethyl Acetate	7.19	43	2454	1.106	ug/l #	73
38) Carbon Tetrachloride	7.95	117	23560	6.720	ug/l #	17
41) Methacrylonitrile	7.53	41	3132	2.401	ug/l #	54
76) 1,2,3-Trichloropropane	12.62	75	64463	77.875	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	64463	170.745	ug/l #	6
95) Naphthalene	15.38	128	196	4.377	ug/l #	83

(#) = 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
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: VW012259.D

Acq: 28 Aug 2019 17:24

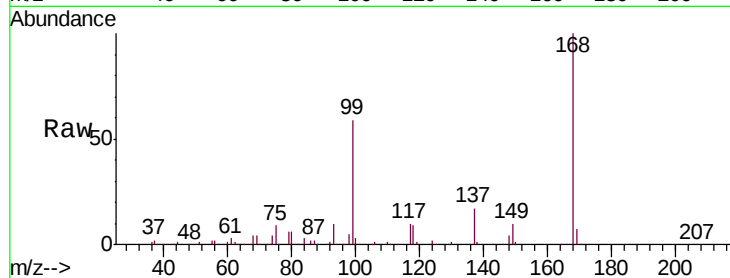
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 238605

Ion Ratio Lower Upper

168 100

99 59.4 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

120000

100000

80000

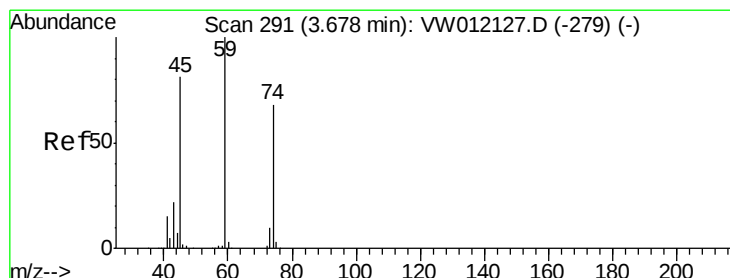
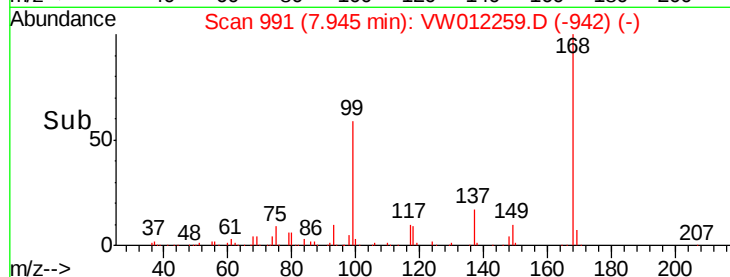
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.482 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012259.D

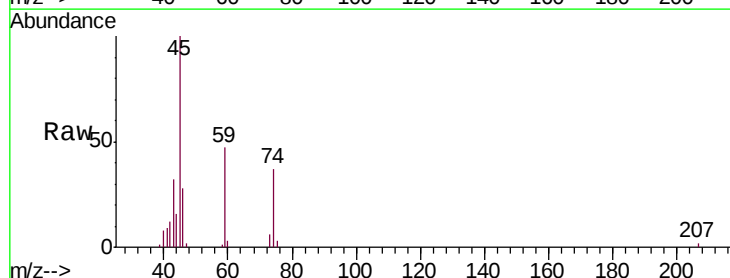
Acq: 28 Aug 2019 17:24

Tgt Ion: 74 Resp: 3296

Ion Ratio Lower Upper

74 100

45 820.8 59.2 177.6#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

5000

4000

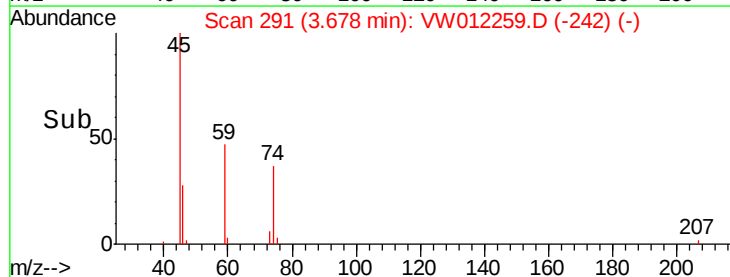
3000

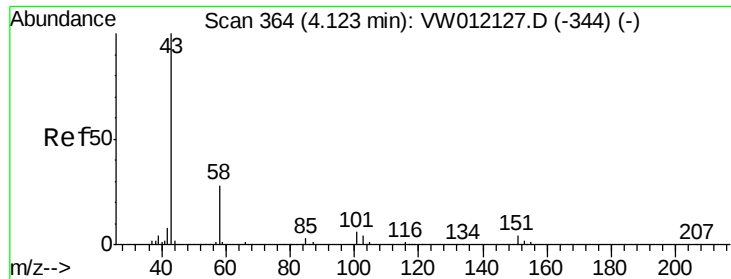
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1000

0

Time-->

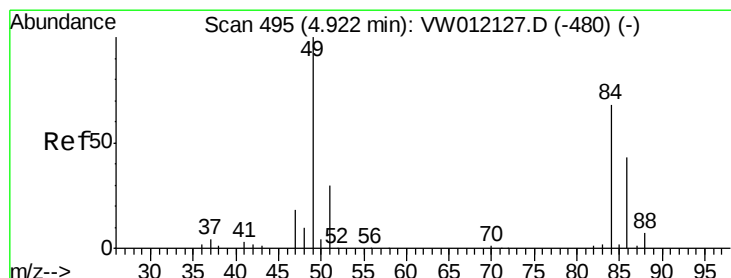
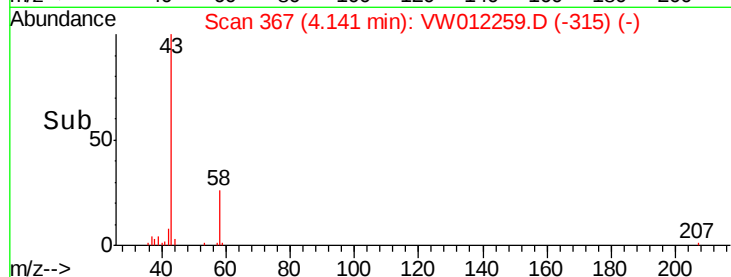
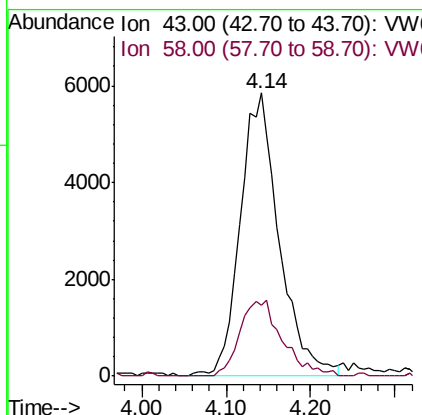
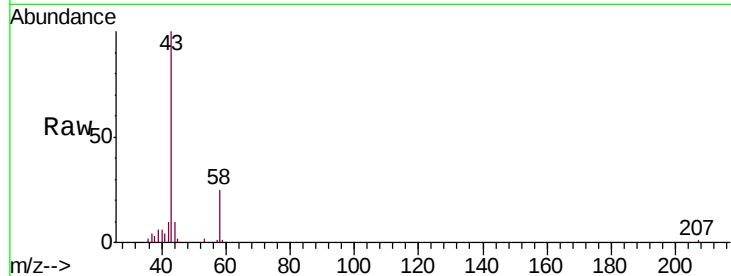




#16
Acetone
Concen: 25.289 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012259.D
Acq: 28 Aug 2019 17:24

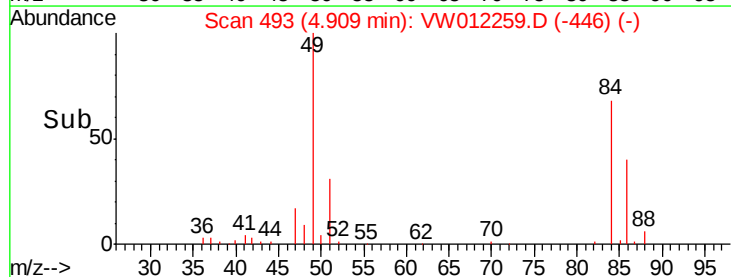
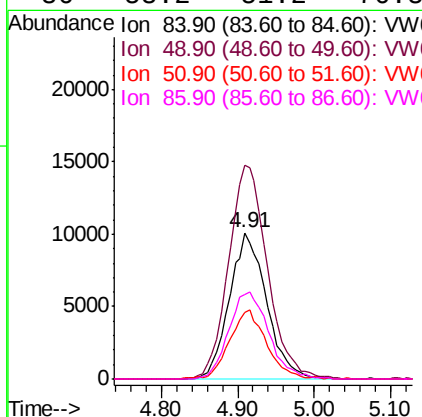
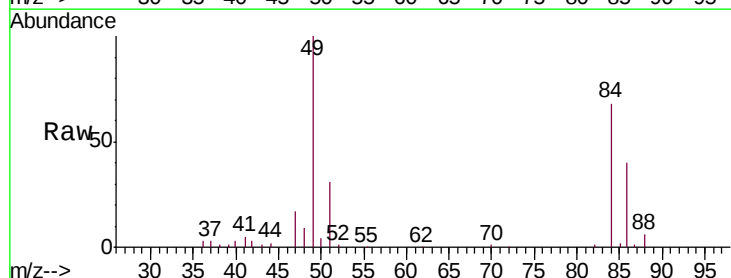
Instrument :
MSVOA_W
ClientSampleId :

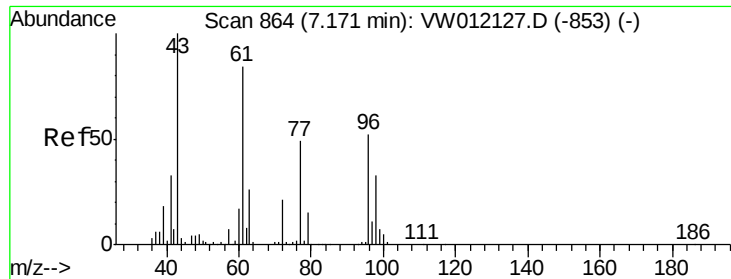
Tot Ion: 43 Resp: 18336
Ion Ratio Lower Upper
43 100
58 25.2 22.4 33.6



#20
Methylene Chloride
Concen: 12.371 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012259.D
Acq: 28 Aug 2019 17:24

Tgt Ion: 84 Resp: 33910
Ion Ratio Lower Upper
84 100
49 145.6 117.8 176.8
51 45.7 35.6 53.4
86 58.2 51.2 76.8

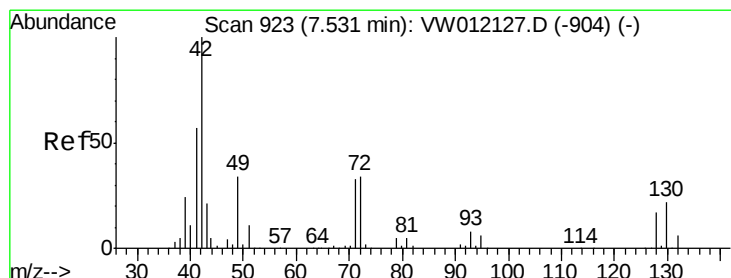
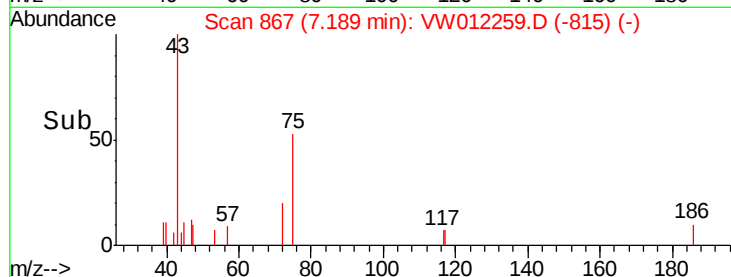
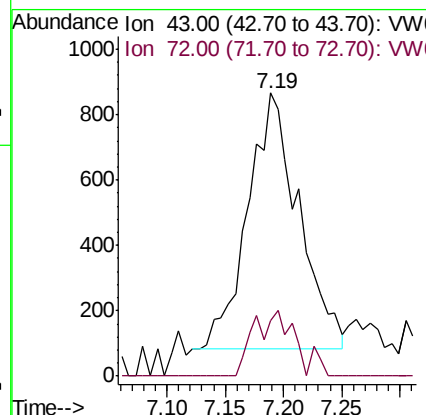
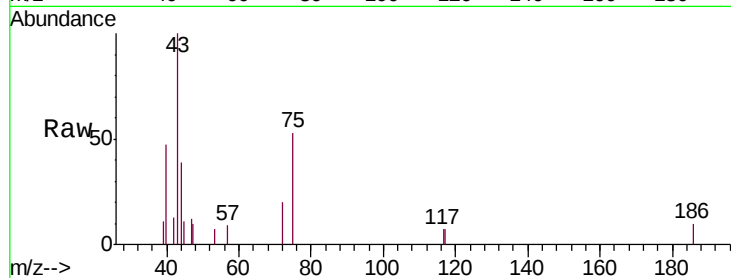




#25
2-Butanone
Concen: 2.428 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW012259.D
Acq: 28 Aug 2019 17:24

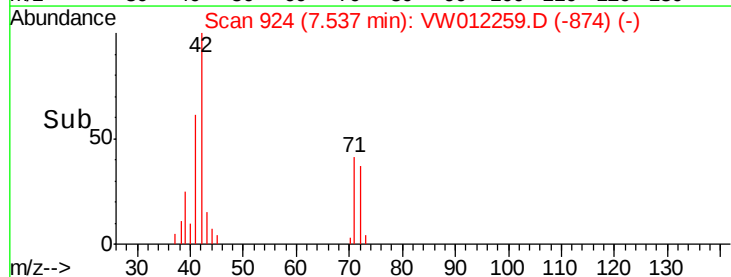
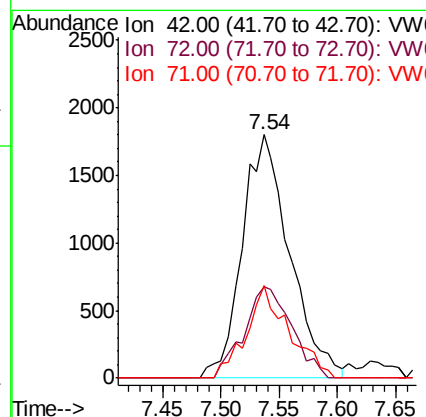
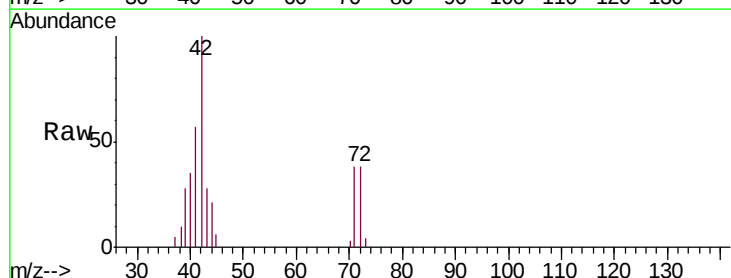
Instrument :
MSVOA_W
ClientSampled :

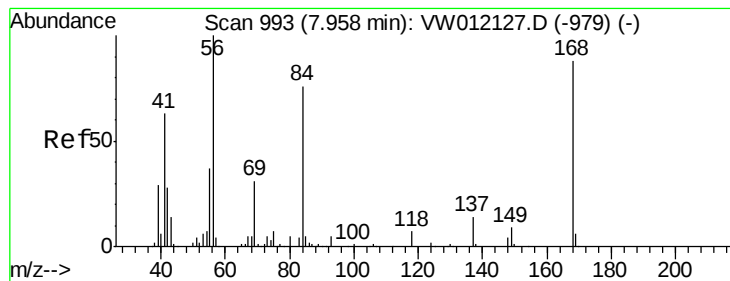
Tot Ion: 43 Resp: 2392
Ion Ratio Lower Upper
43 100
72 21.6 16.6 24.8



#29
Tetrahydrofuran
Concen: 8.653 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012259.D
Acq: 28 Aug 2019 17:24

Tgt Ion: 42 Resp: 5115
Ion Ratio Lower Upper
42 100
72 37.4 27.3 40.9
71 34.1 25.5 38.3





#31

Cyclohexane

Concen: 1.109 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012259.D

Acq: 28 Aug 2019 17:24

Instrument :
MSVOA_W
ClientSampled :

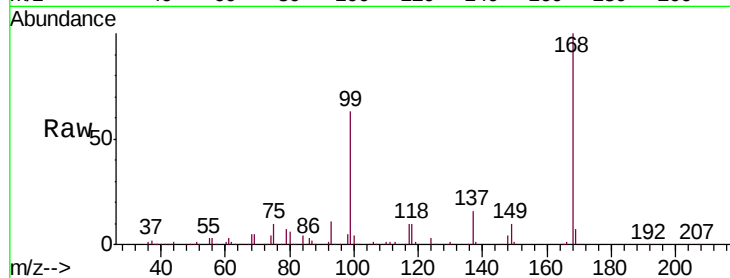
Tot Ion: 56 Resp: 5665

Ion Ratio Lower Upper

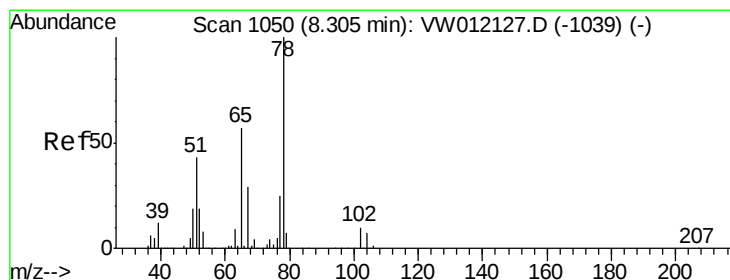
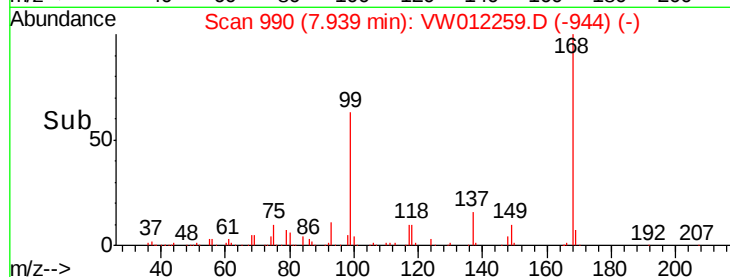
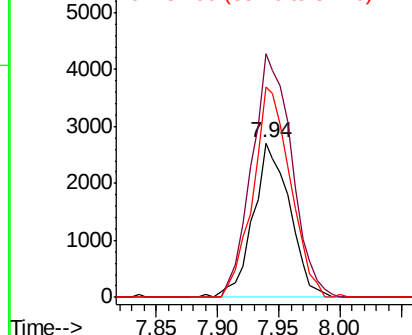
56 100

69 157.6 24.9 37.3#

84 135.7 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: 51.450 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012259.D

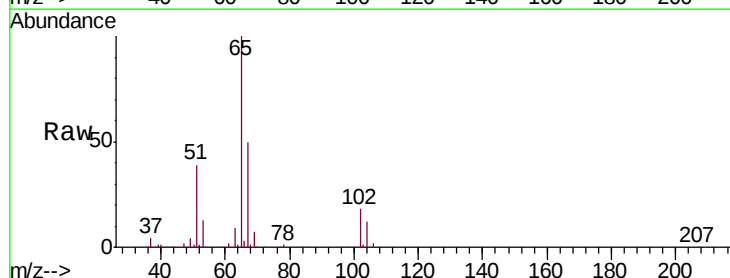
Acq: 28 Aug 2019 17:24

Tgt Ion: 65 Resp: 145934

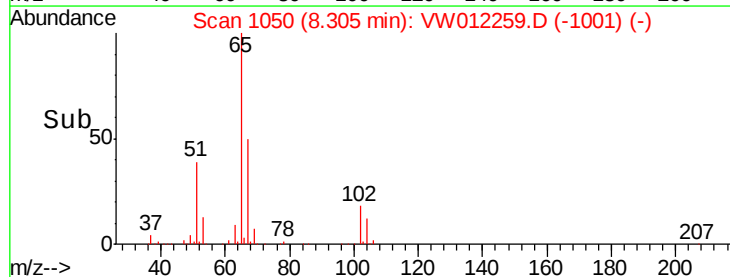
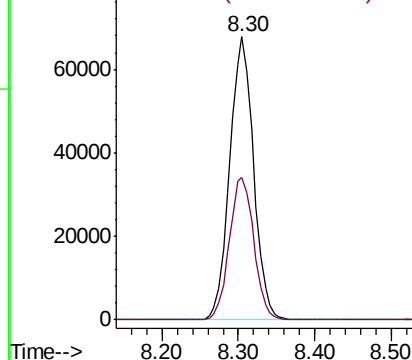
Ion Ratio Lower Upper

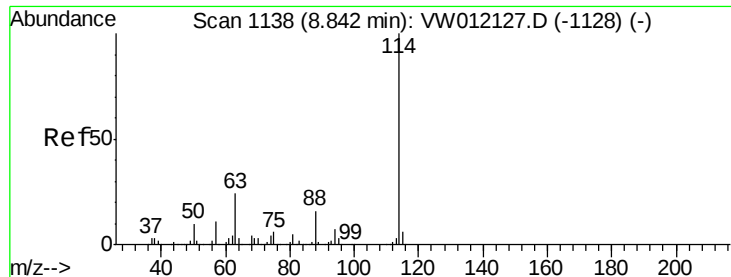
65 100

67 51.6 0.0 102.6



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

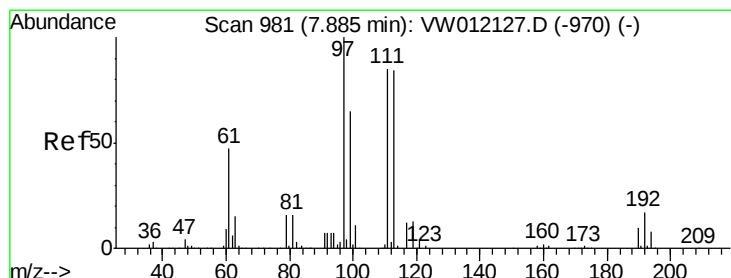
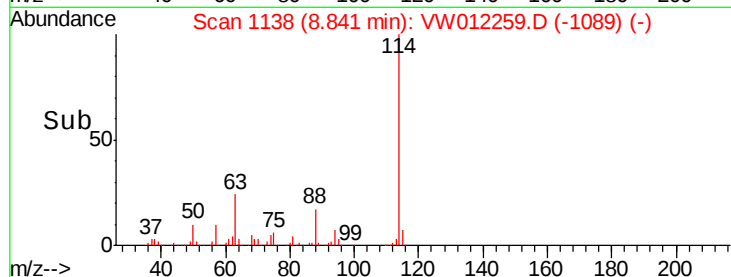
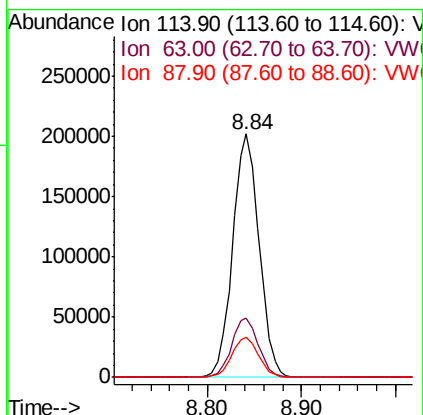
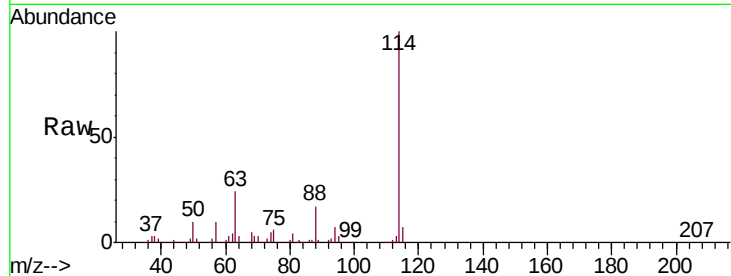




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012259.D
 Acq: 28 Aug 2019 17:24

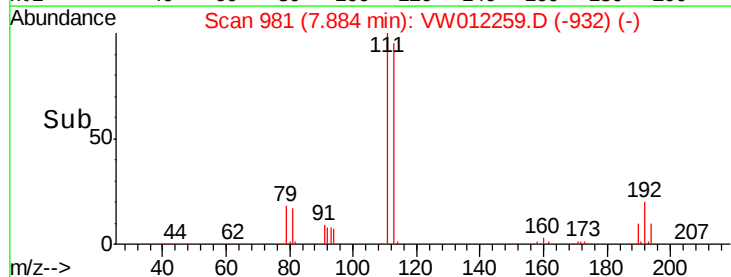
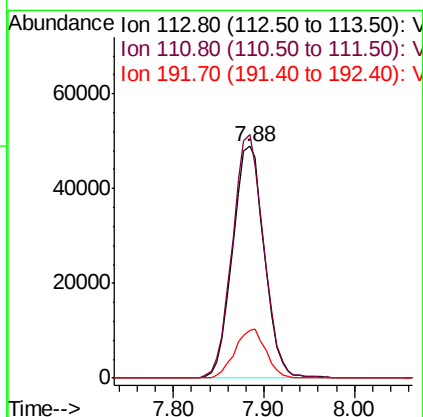
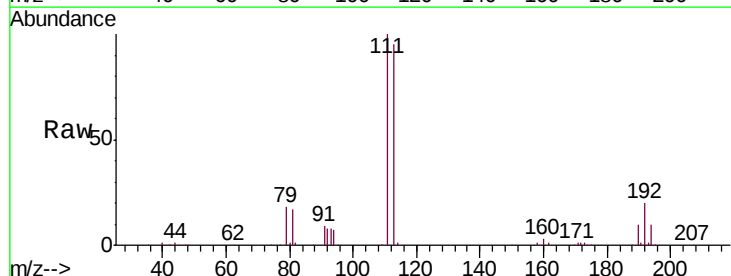
Instrument :
 MSVOA_W
 ClientSampled :

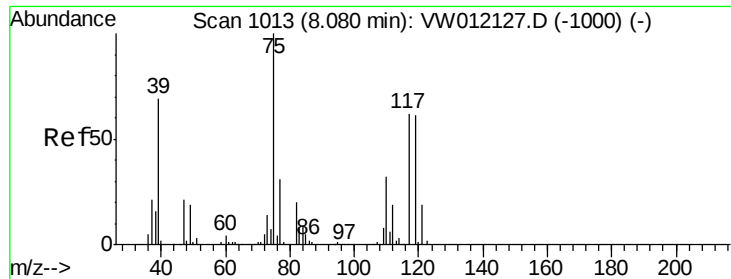
Tot Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	48.6
88	16.7	0.0	32.2



#35
 Dibromofluoromethane
 Concen: 50.747 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012259.D
 Acq: 28 Aug 2019 17:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.7	124.1
192	20.6	16.2	24.2

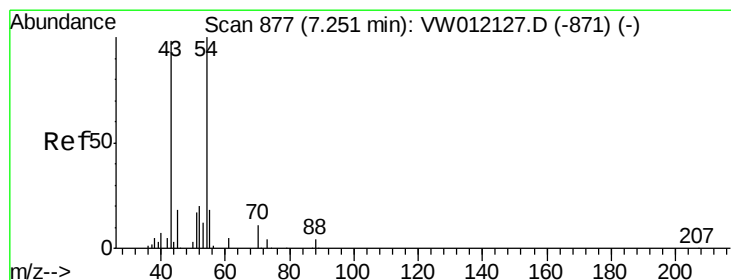
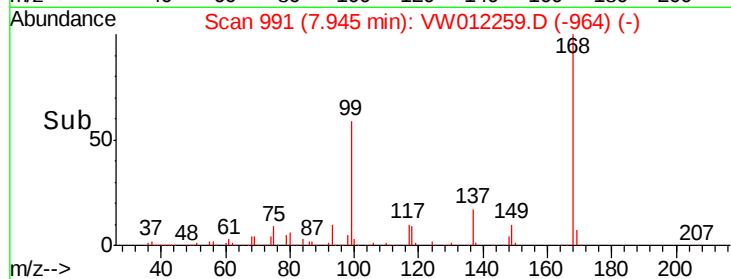
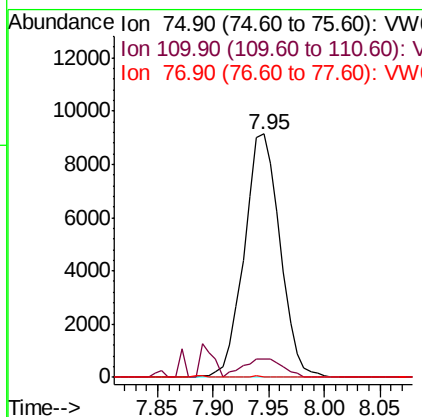
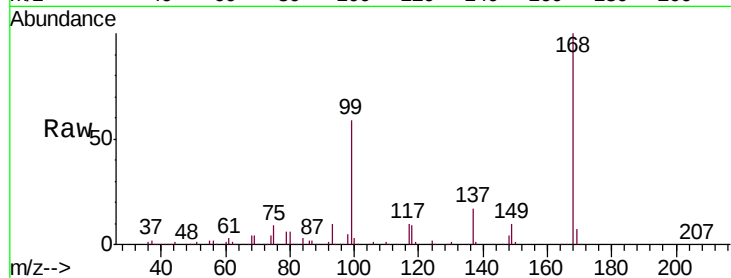




#36
 1,1-Dichloropropene
 Concen: 5.047 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012259.D
 Acq: 28 Aug 2019 17:24

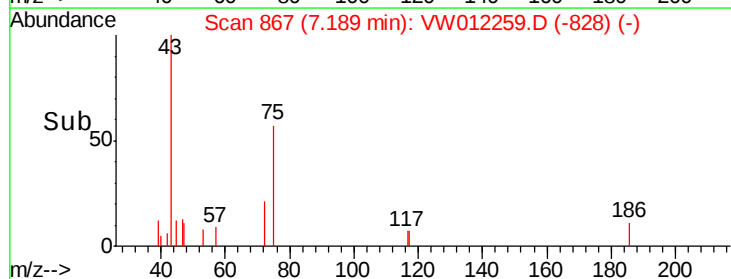
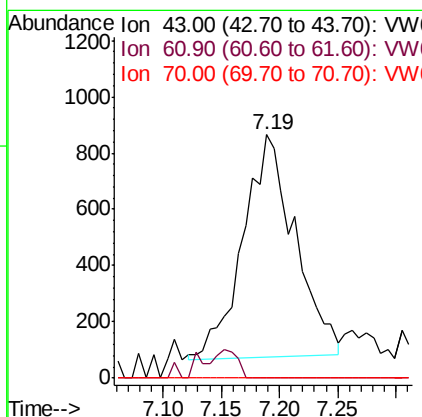
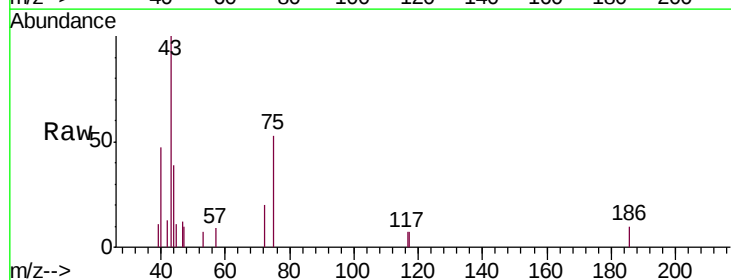
Instrument :
 MSVOA_W
 ClientSampled :

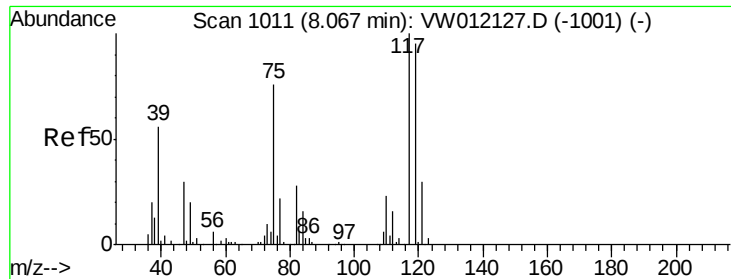
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	15.6	46.8#
77	0.1	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 1.106 ug/l
 RT: 7.19 min Scan# 867
 Delta R.T. -0.06 min
 Lab File: VW012259.D
 Acq: 28 Aug 2019 17:24

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





#38

Carbon Tetrachloride

Concen: 6.720 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012259.D

Acq: 28 Aug 2019 17:24

Instrument :

MSVOA_W

ClientSampleId :

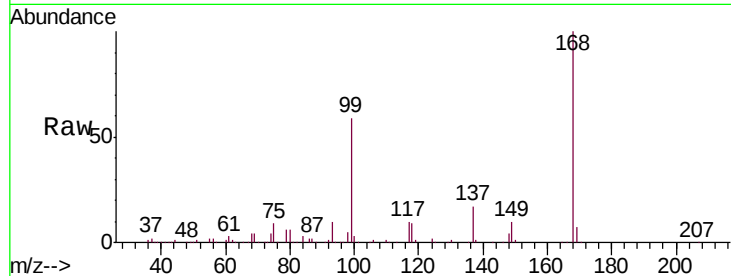
Tot Ion:117 Resp: 23560

Ion Ratio Lower Upper

117 100

119 6.3 76.2 114.2#

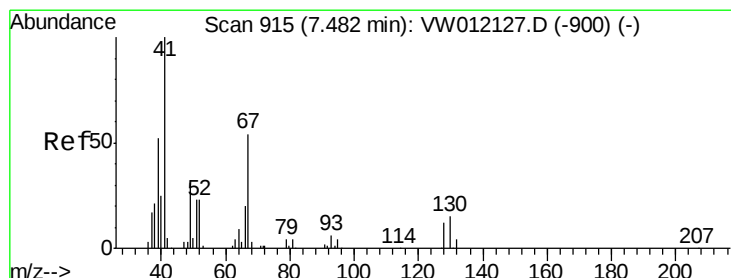
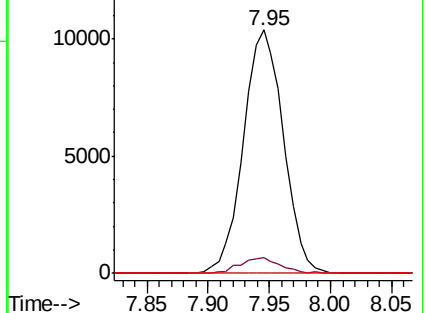
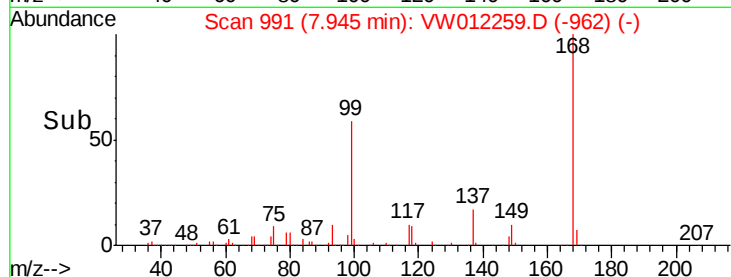
121 0.0 23.8 35.8#



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



#41

Methacrylonitrile

Concen: 2.401 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012259.D

Acq: 28 Aug 2019 17:24

Tgt Ion: 41 Resp: 3132

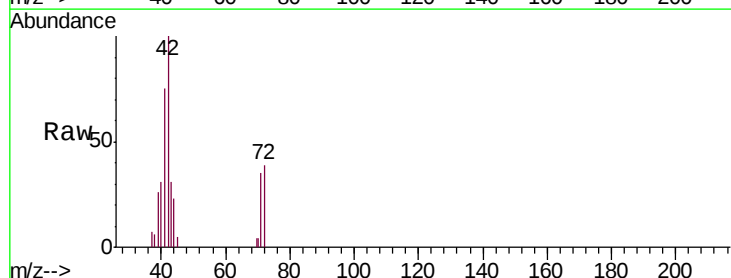
Ion Ratio Lower Upper

41 100

39 48.8 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

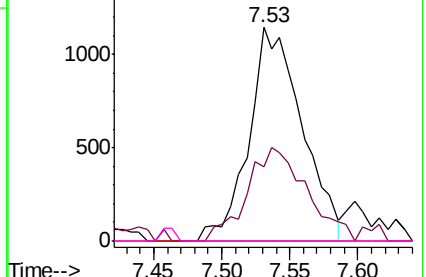
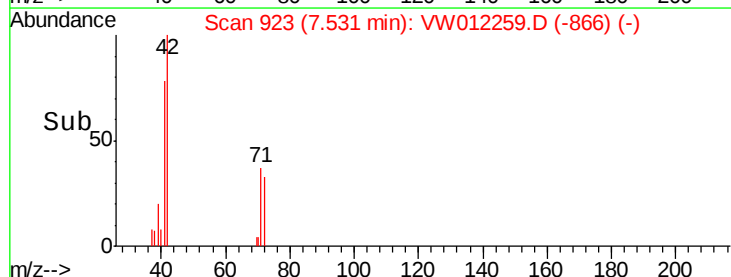


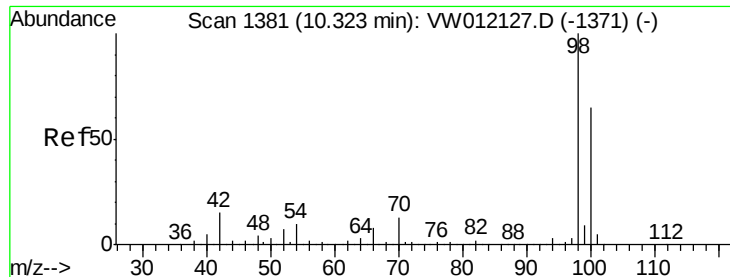
Abundance Ion 41.00 (40.70 to 41.70): VW

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: 49.250 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012259.D

Acq: 28 Aug 2019 17:24

Instrument :

MSVOA_W

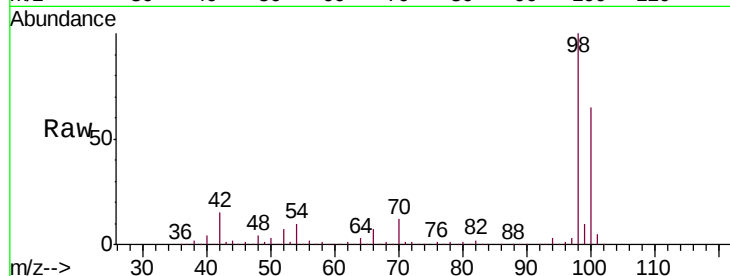
ClientSampleId :

Tot Ion: 98 Resp: 467255

Ion Ratio Lower Upper

98 100

100 65.9 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

300000

250000

200000

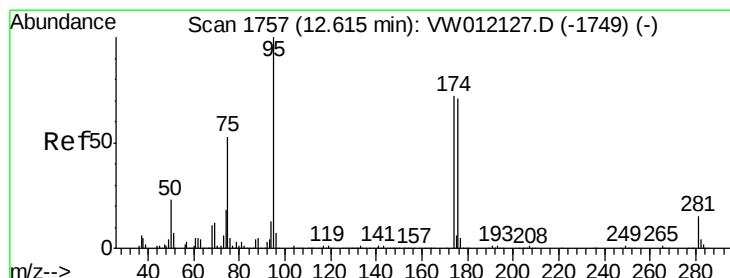
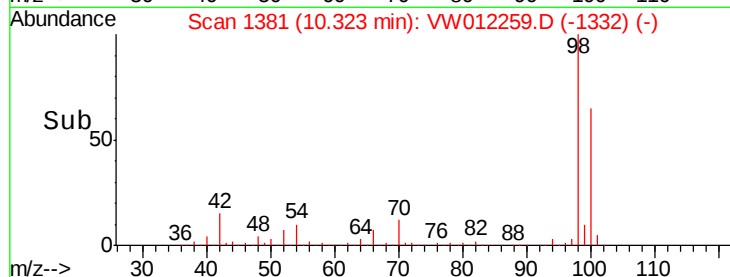
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#62

4-Bromofluorobenzene

Concen: 36.758 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012259.D

Acq: 28 Aug 2019 17:24

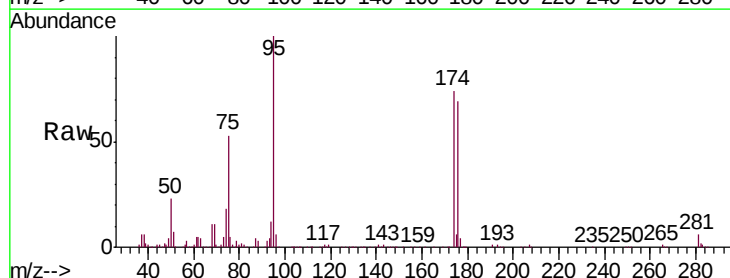
Tgt Ion: 95 Resp: 122929

Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.8

176 73.8 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

100000

80000

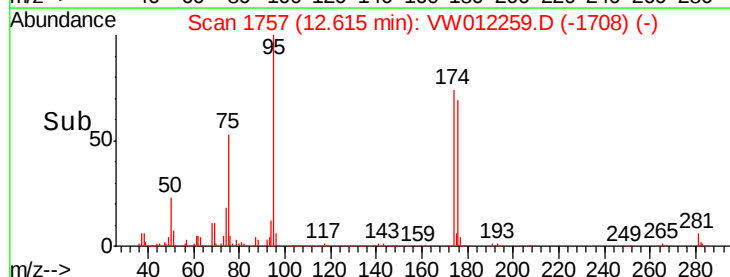
60000

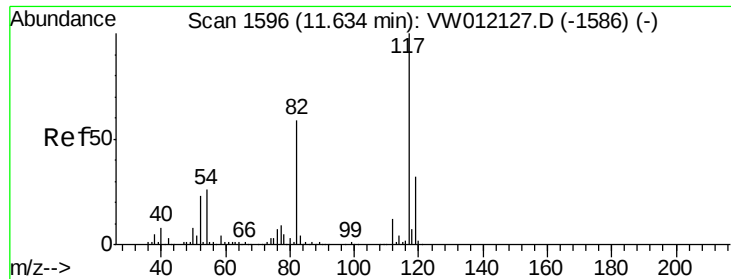
40000

20000

0

Time--> 12.50 12.60 12.70





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012259.D

Acq: 28 Aug 2019 17:24

Instrument :

MSVOA_W

ClientSampleId :

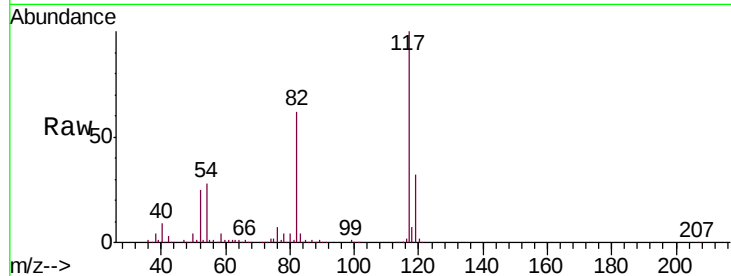
Tot Ion:117 Resp: 292153

Ion Ratio Lower Upper

117 100

82 61.9 47.4 71.2

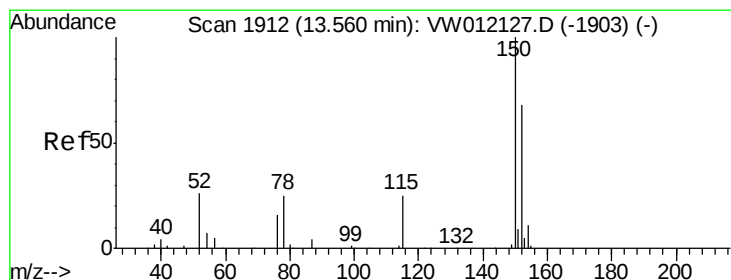
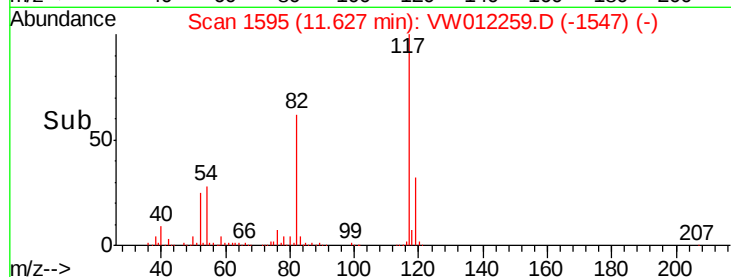
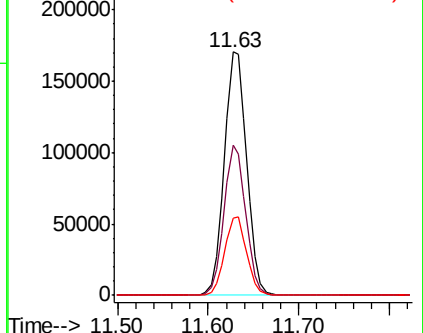
119 31.5 25.4 38.2



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: VW012259.D

Acq: 28 Aug 2019 17:24

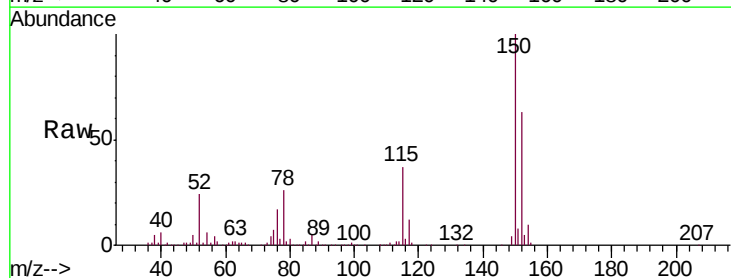
Tgt Ion:152 Resp: 84993

Ion Ratio Lower Upper

152 100

115 60.3 30.1 90.3

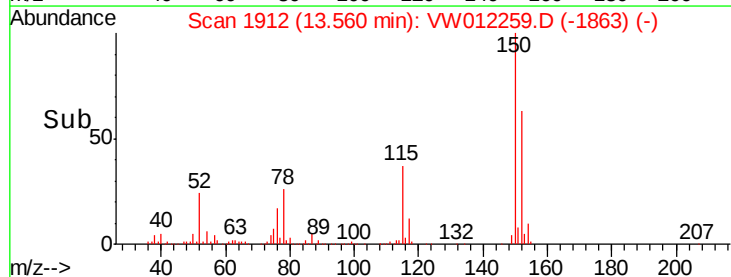
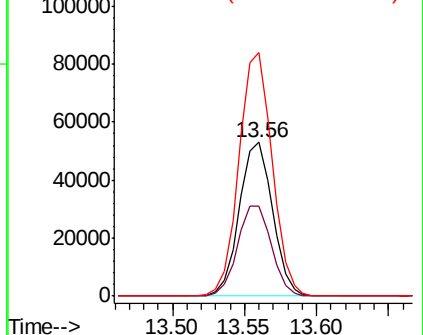
150 158.3 0.0 345.8

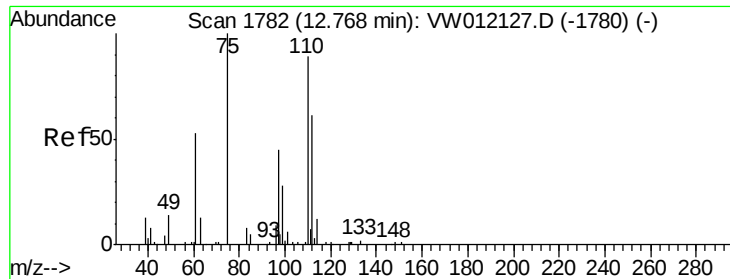


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



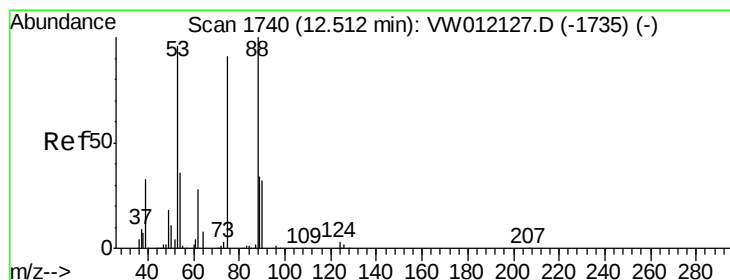
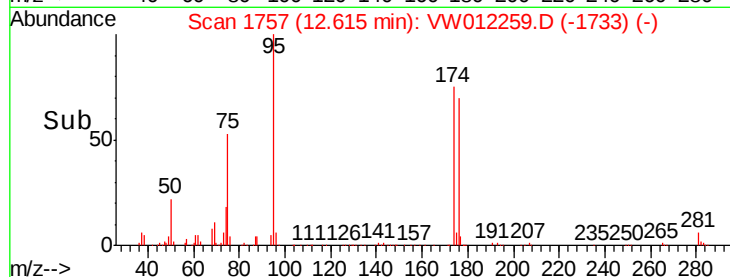
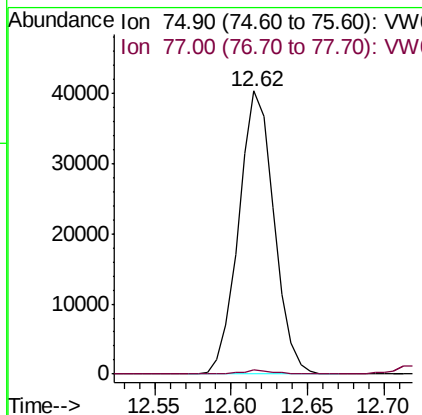
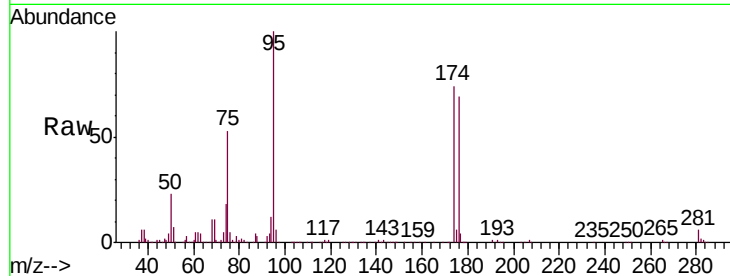


#76

1,2,3-Trichloropropane
Concen: 77.875 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012259.D
Acq: 28 Aug 2019 17:24

Instrument :
MSVOA_W
ClientSampleId :

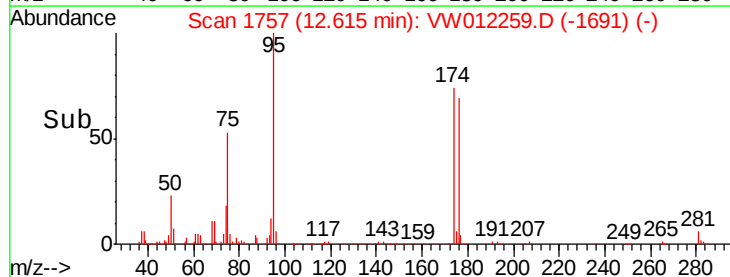
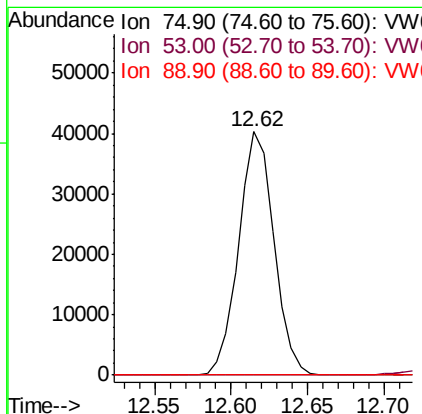
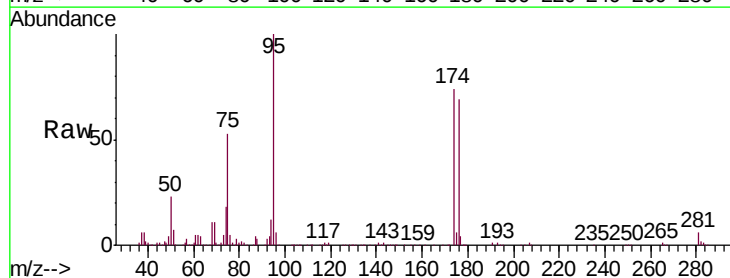
Tot Ion: 75 Resp: 64463
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

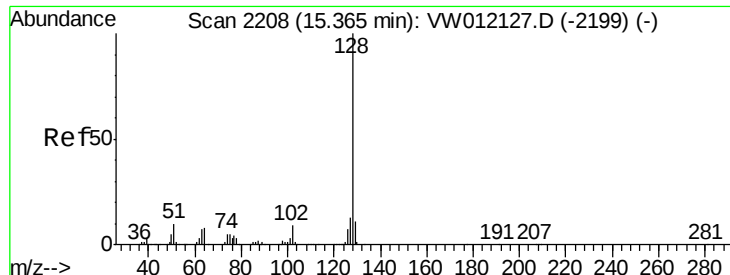


#81

trans-1,4-Dichloro-2-butene
Concen: 170.745 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012259.D
Acq: 28 Aug 2019 17:24

Tgt Ion: 75 Resp: 64463
Ion Ratio Lower Upper
75 100
53 0.0 89.4 134.0#
89 0.1 34.5 51.7#

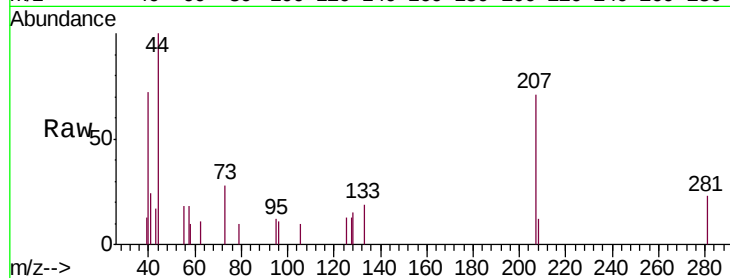




#95
Naphthalene
Concen: 4.377 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW012259.D
Acq: 28 Aug 2019 17:24

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.2	10.7	16.1#
129	0.0	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

