

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083119\
 Data File : VW012397.D
 Acq On : 31 Aug 2019 13:52
 Operator : SY/VA
 Sample : K4493-19
 Misc : 4.33G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 31 17:19:05 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

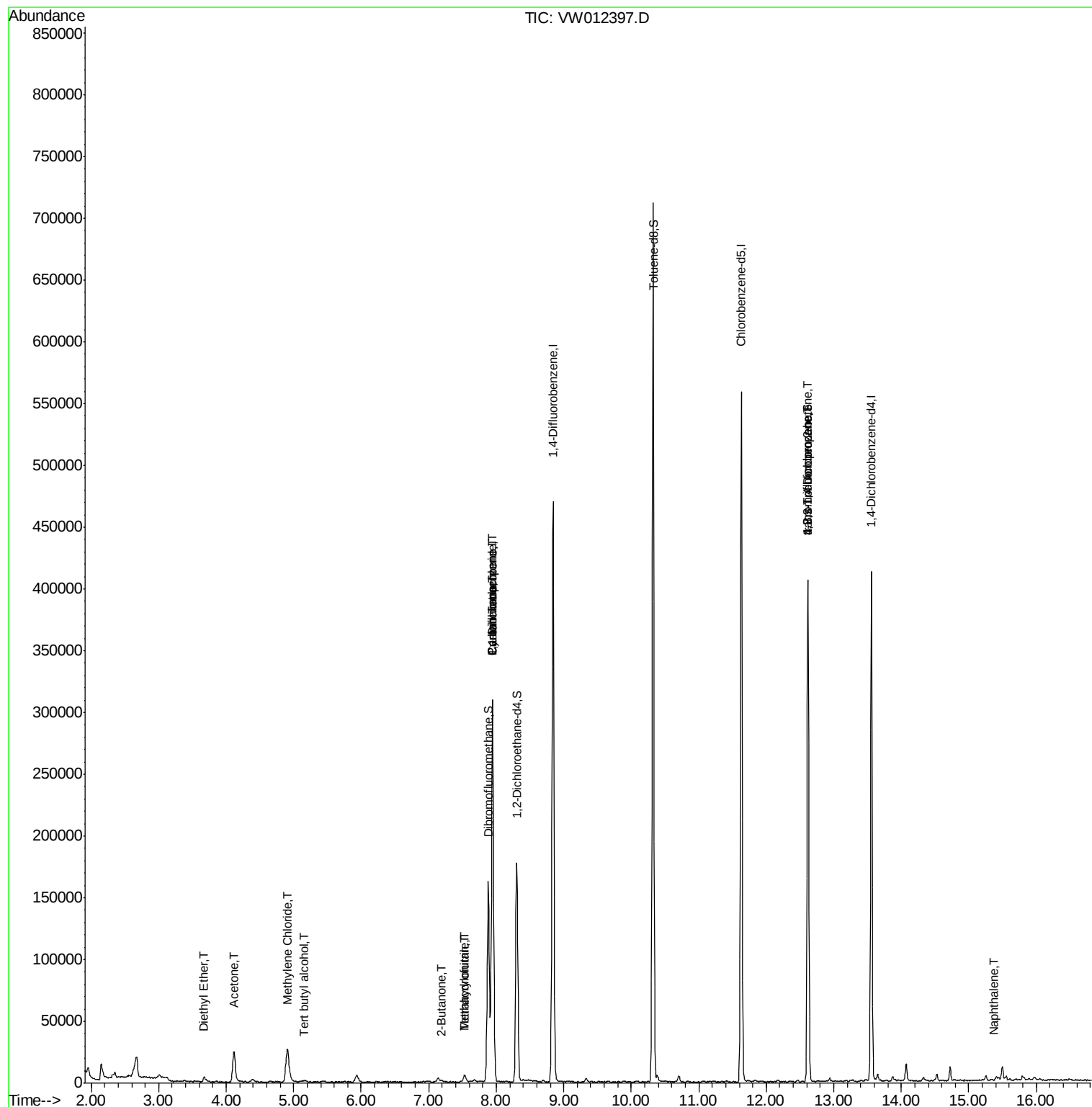
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	220899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	361807	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	292786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	103334	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	142389	54.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.44%	
35) Dibromofluoromethane	7.88	113	112239	51.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.94%	
50) Toluene-d8	10.32	98	441878	50.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.62	95	129549	41.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.94%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	2098	1.707	ug/l	97
11) Tert butyl alcohol	5.15	59	337	2.133	ug/l #	16
16) Acetone	4.11	43	45514	67.805	ug/l	96
20) Methylene Chloride	4.90	84	18749	7.389	ug/l	94
25) 2-Butanone	7.18	43	1296	1.421	ug/l #	56
29) Tetrahydrofuran	7.54	42	4953	9.051	ug/l	99
31) Cyclohexane	7.95	56	5734	1.212	ug/l #	15
36) 1,1-Dichloropropene	7.95	75	19580	5.237	ug/l #	51
38) Carbon Tetrachloride	7.95	117	22668	7.005	ug/l #	16
41) Methacrylonitrile	7.53	41	3486	2.895	ug/l #	54
76) 1,2,3-Trichloropropane	12.62	75	70480	70.032	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70480	153.547	ug/l #	6
95) Naphthalene	15.36	128	280	4.387	ug/l #	69

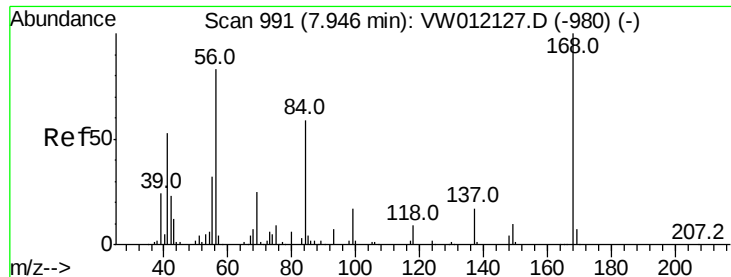
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW012397.D

Acq: 31 Aug 2019 13:52

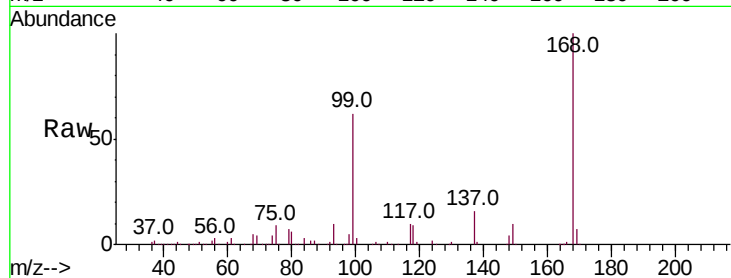
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 220899

Ion Ratio Lower Upper

168 100

99 61.7 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

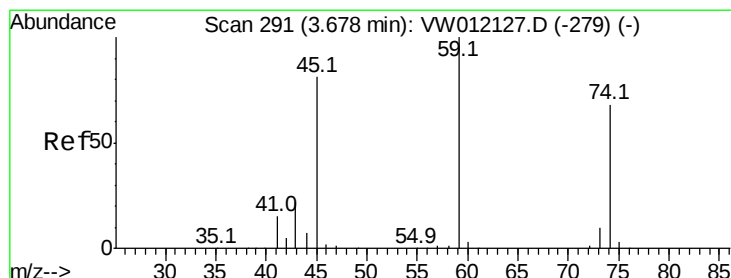
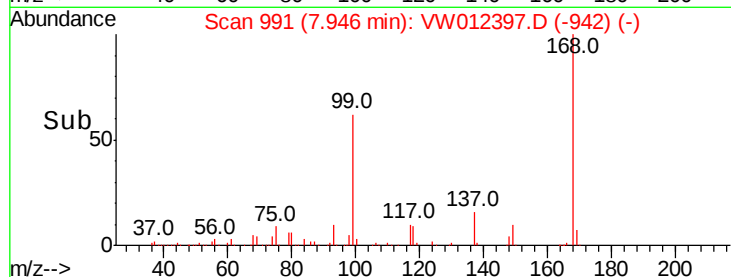
40000

20000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 1.707 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012397.D

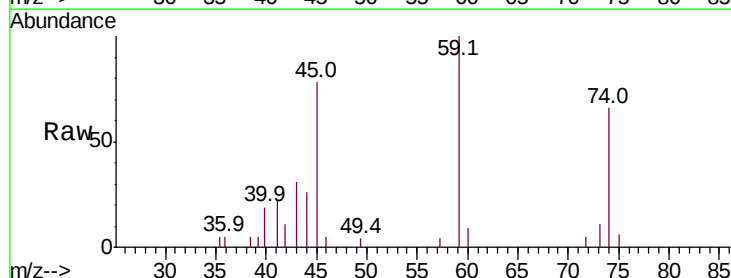
Acq: 31 Aug 2019 13:52

Tgt Ion: 74 Resp: 2098

Ion Ratio Lower Upper

74 100

45 121.4 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

1200

1000

800

600

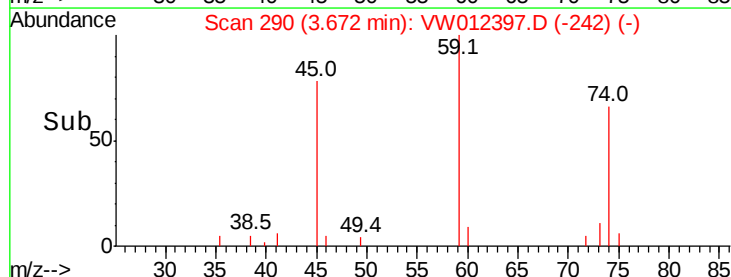
400

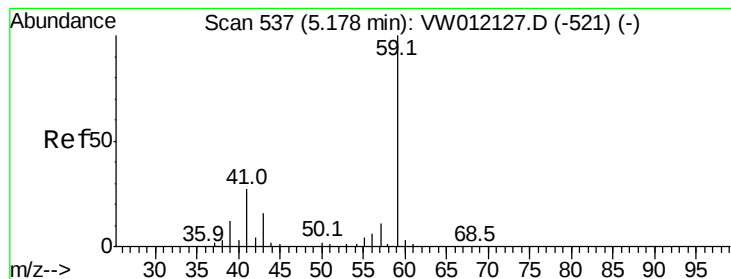
200

0

3.60 3.65 3.70 3.75

Time-->



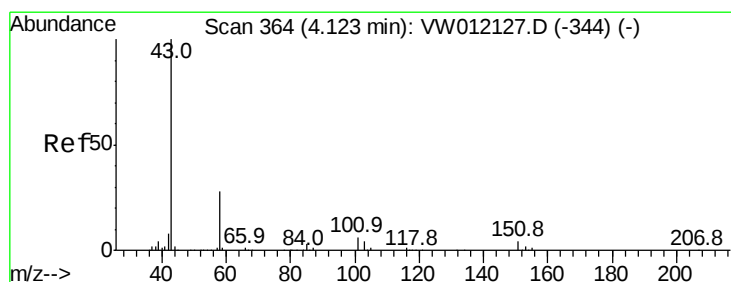
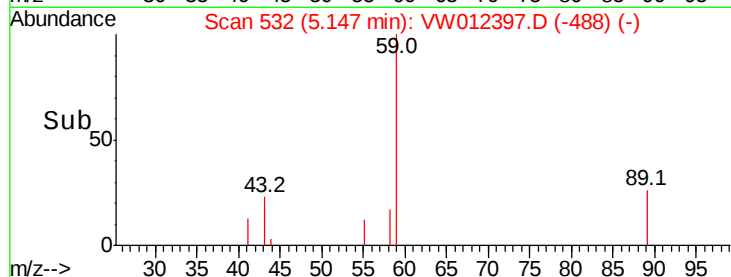
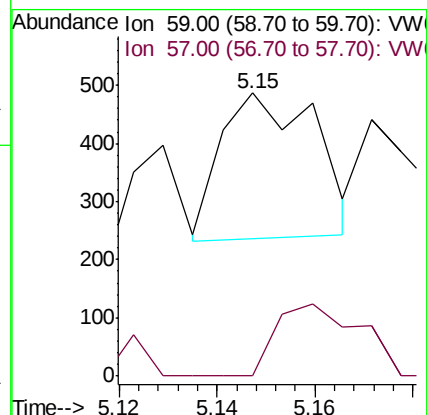
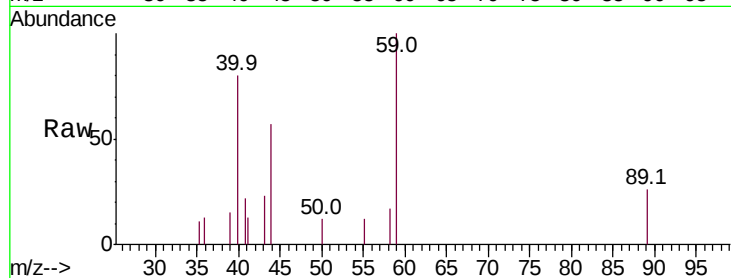


#11

Tert butyl alcohol
 Concen: 2.133 ug/l
 RT: 5.15 min Scan# 532
 Delta R.T. -0.03 min
 Lab File: VW012397.D
 Acq: 31 Aug 2019 13:52

Instrument :
 MSVOA_W
 ClientSampled :

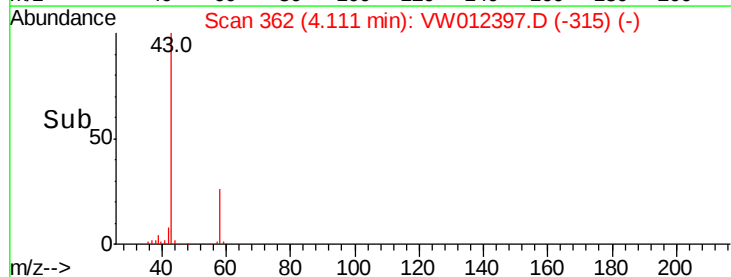
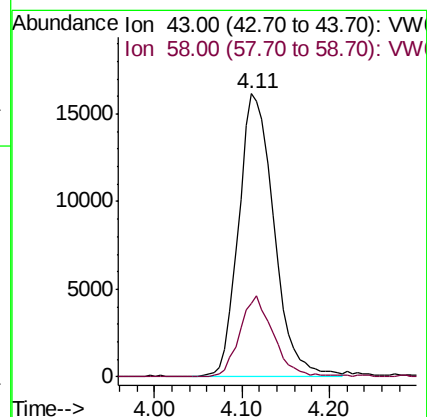
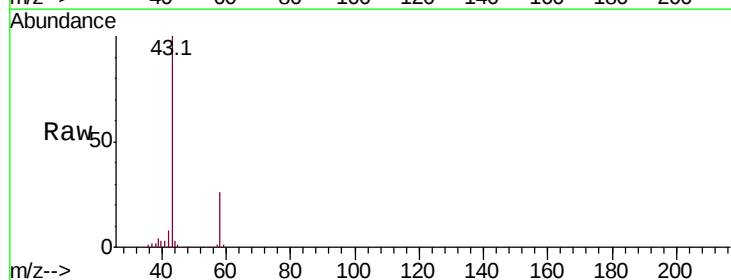
Tot Ion: 59 Resp: 337
 Ion Ratio Lower Upper
 59 100
 57 43.3 9.0 13.4#

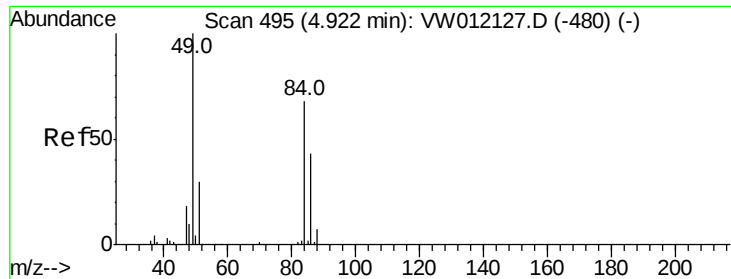


#16

Acetone
 Concen: 67.805 ug/l
 RT: 4.11 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VW012397.D
 Acq: 31 Aug 2019 13:52

Tgt Ion: 43 Resp: 45514
 Ion Ratio Lower Upper
 43 100
 58 25.7 22.4 33.6





#20

Methylene Chloride

Concen: 7.389 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW012397.D

Acq: 31 Aug 2019 13:52

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 84 Resp: 18749

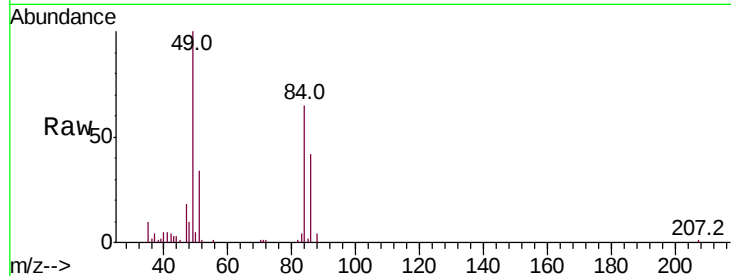
Ion Ratio Lower Upper

84 100

49 154.3 117.8 176.8

51 52.1 35.6 53.4

86 65.3 51.2 76.8

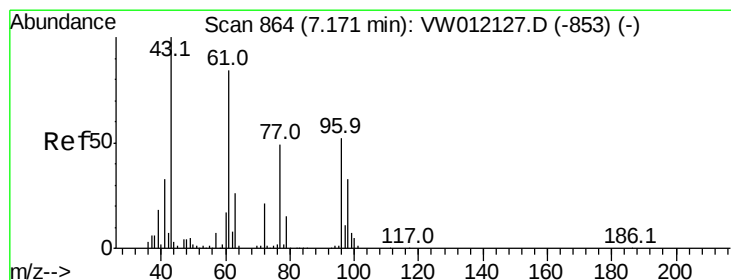
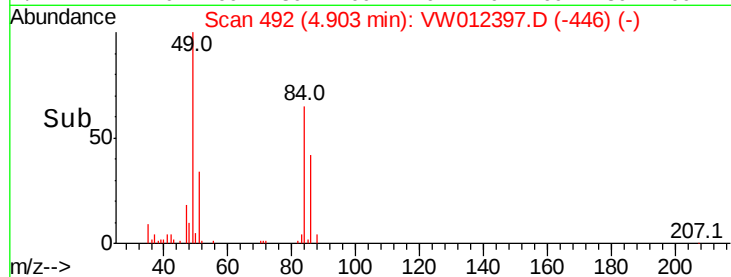
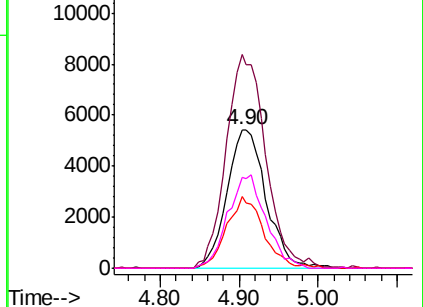


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.421 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012397.D

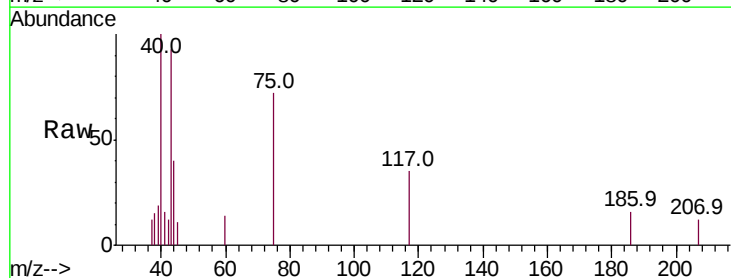
Acq: 31 Aug 2019 13:52

Tgt Ion: 43 Resp: 1296

Ion Ratio Lower Upper

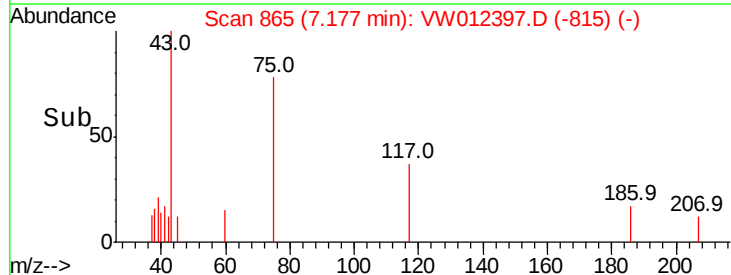
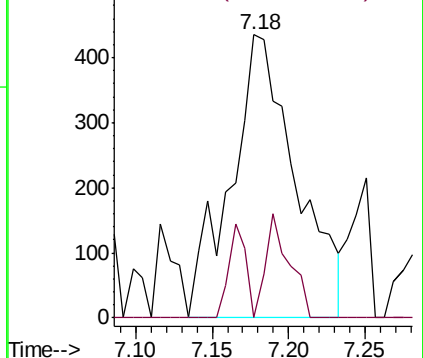
43 100

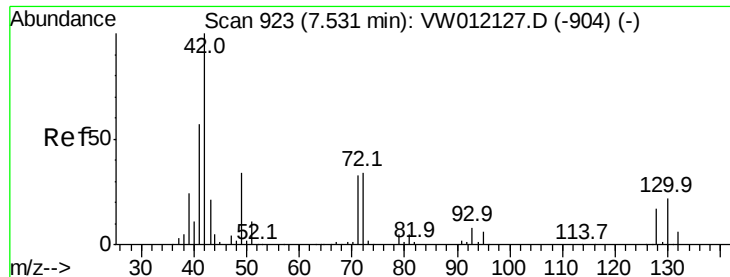
72 0.0 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 9.051 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012397.D

Acq: 31 Aug 2019 13:52

Instrument :
MSVOA_W
ClientSampleId :

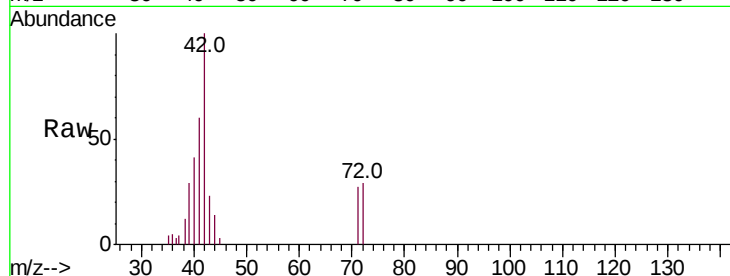
Tot Ion: 42 Resp: 4953

Ion Ratio Lower Upper

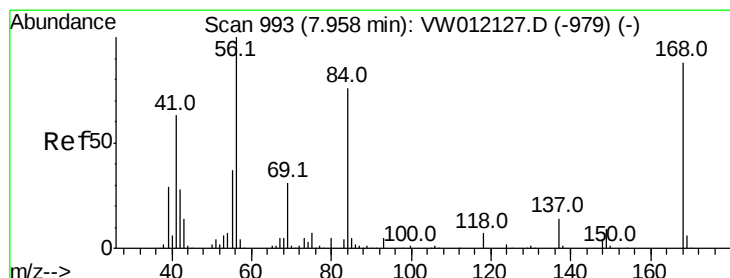
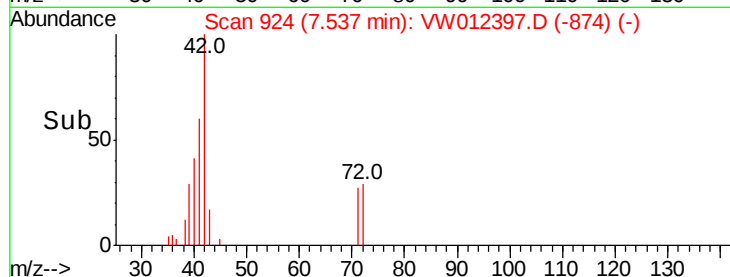
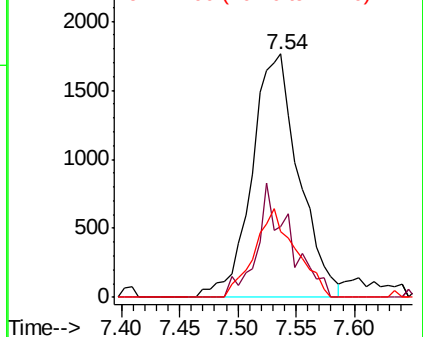
42 100

72 33.0 27.3 40.9

71 32.1 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: 1.212 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012397.D

Acq: 31 Aug 2019 13:52

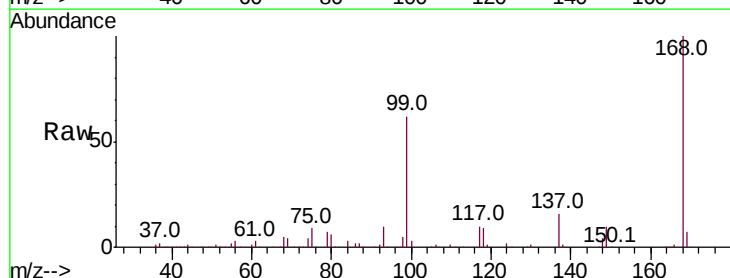
Tgt Ion: 56 Resp: 5734

Ion Ratio Lower Upper

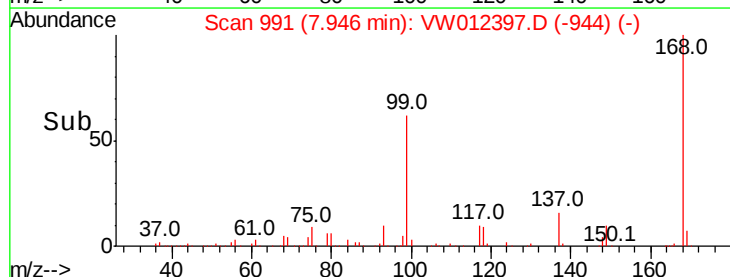
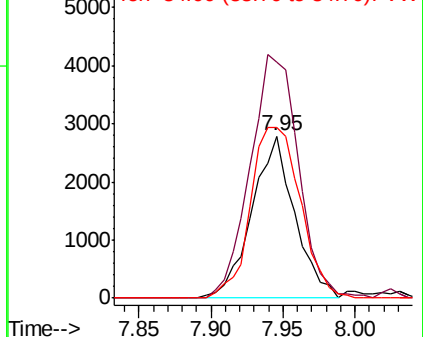
56 100

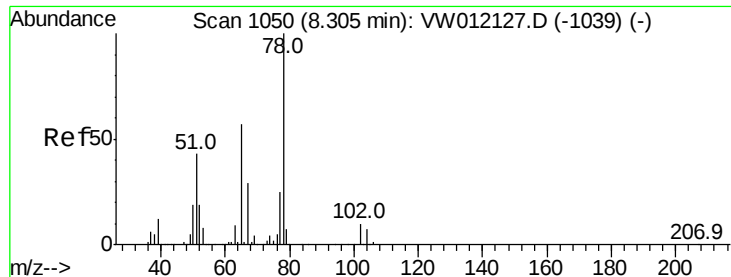
69 145.6 24.9 37.3#

84 105.2 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: 54.224 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012397.D

Acq: 31 Aug 2019 13:52

Instrument :

MSVOA_W

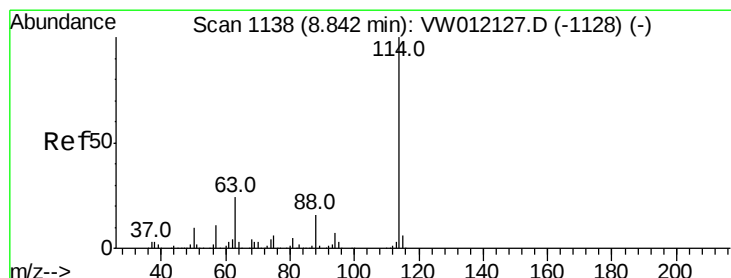
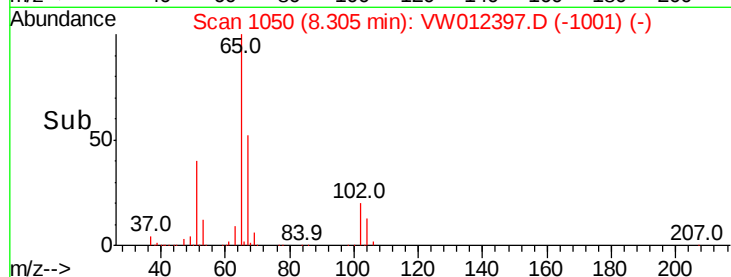
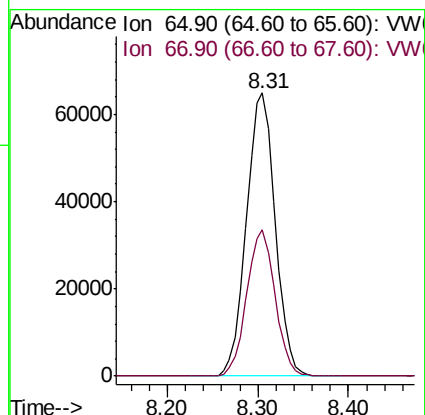
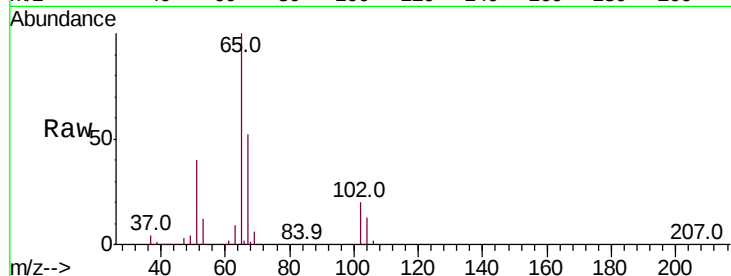
ClientSampleId :

Tot Ion: 65 Resp: 142389

Ion Ratio Lower Upper

65 100

67 51.2 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: VW012397.D

Acq: 31 Aug 2019 13:52

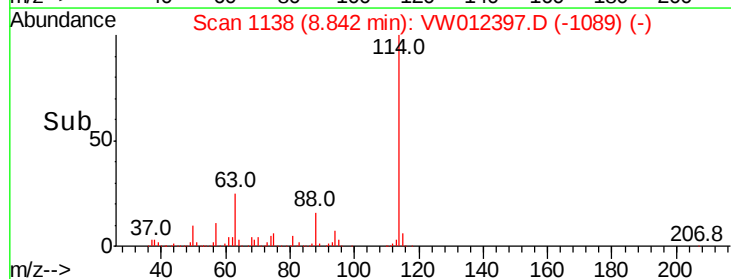
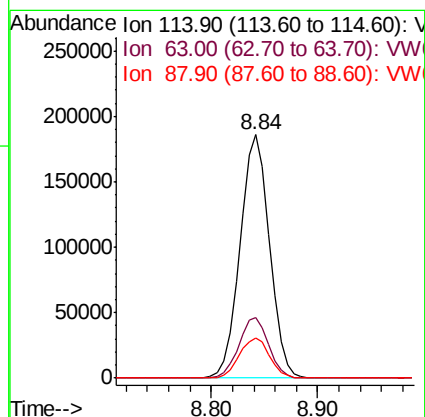
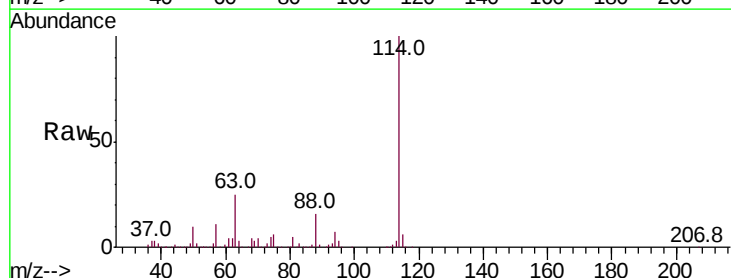
Tgt Ion: 114 Resp: 361807

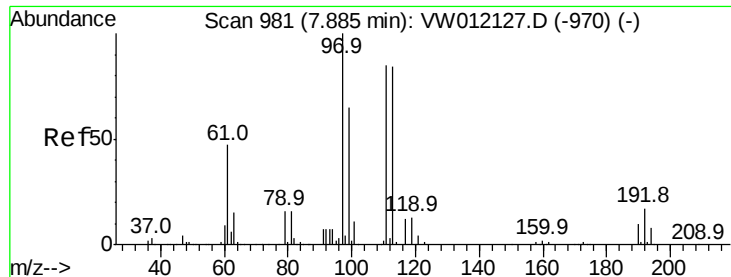
Ion Ratio Lower Upper

114 100

63 24.8 0.0 48.6

88 16.5 0.0 32.2

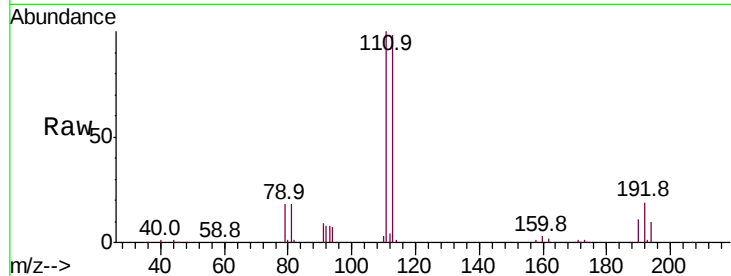




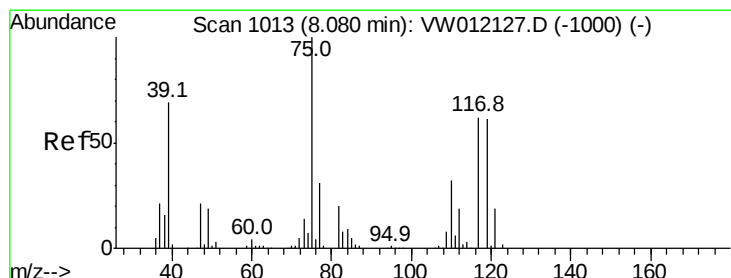
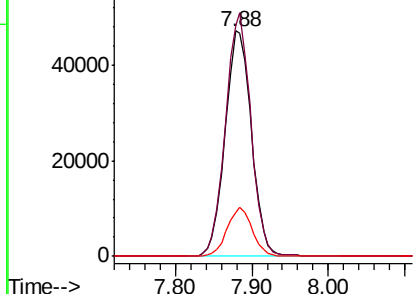
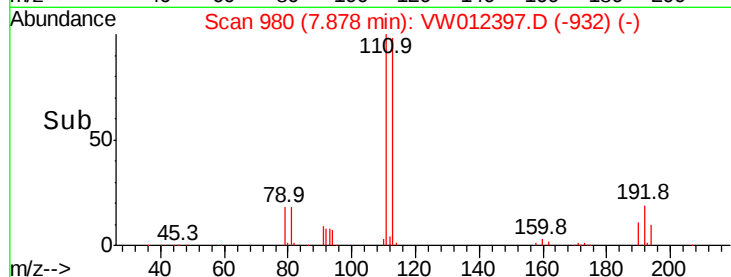
#35
 Dibromofluoromethane
 Concen: 51.971 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012397.D
 Acq: 31 Aug 2019 13:52

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.7	124.1
192	20.7	16.2	24.2

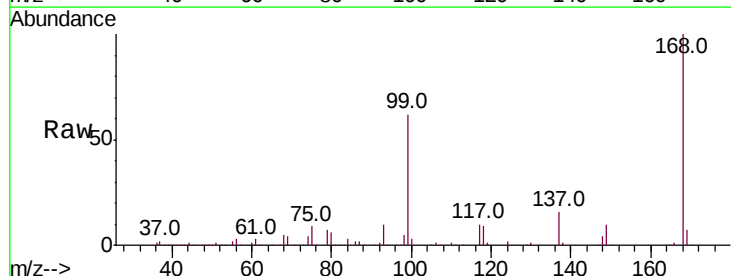


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

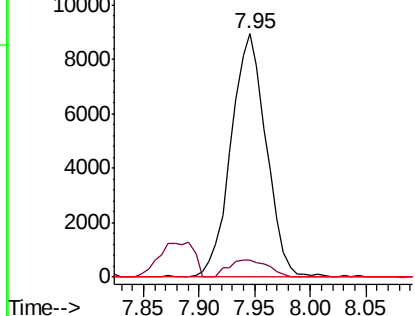
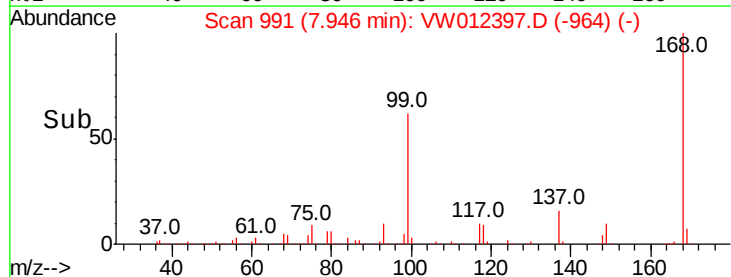


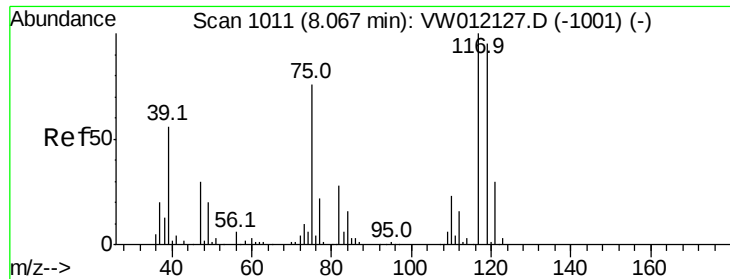
#36
 1,1-Dichloropropene
 Concen: 5.237 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012397.D
 Acq: 31 Aug 2019 13:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	15.6	46.8#
77	0.0	24.6	36.8#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

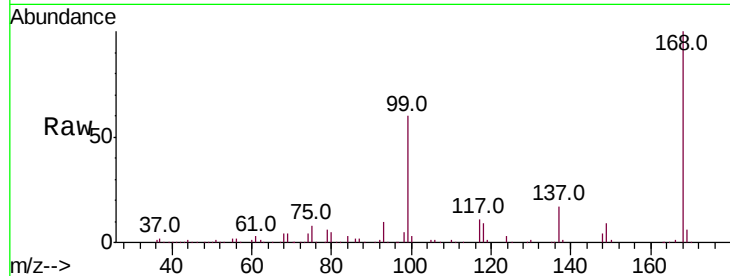




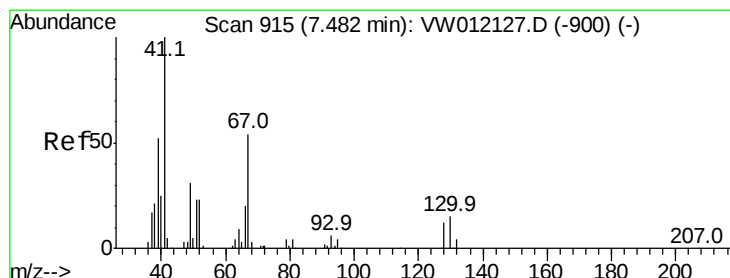
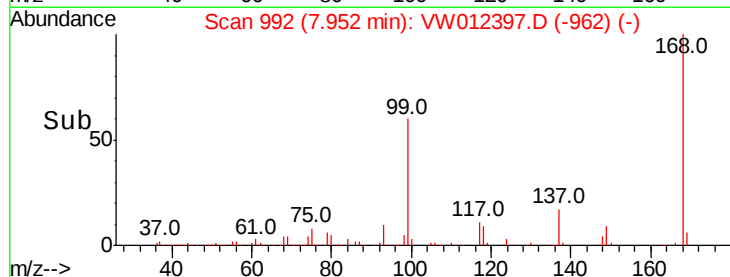
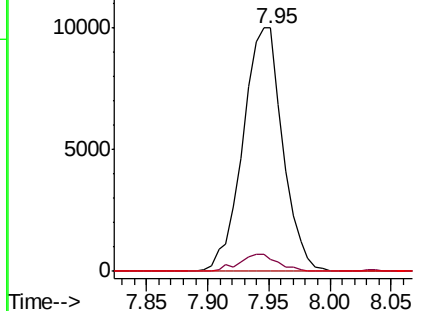
#38
Carbon Tetrachloride
Concen: 7.005 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW012397.D
Acq: 31 Aug 2019 13:52

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 22668
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.2#
121 0.0 23.8 35.8#

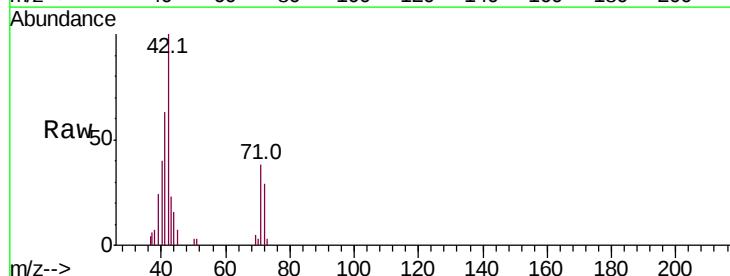


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

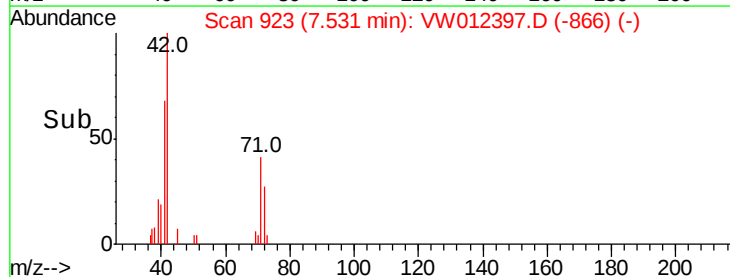
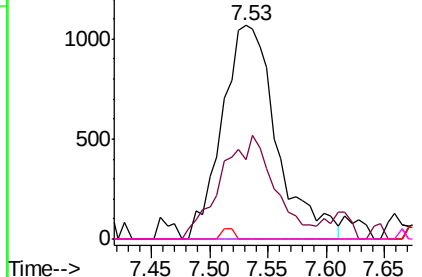


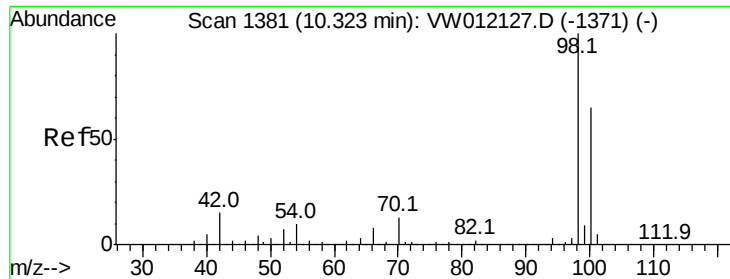
#41
Methacrylonitrile
Concen: 2.895 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012397.D
Acq: 31 Aug 2019 13:52

Tgt Ion: 41 Resp: 3486
Ion Ratio Lower Upper
41 100
39 48.1 45.8 68.8
67 1.1 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: 50.462 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012397.D

Acq: 31 Aug 2019 13:52

Instrument :

MSVOA_W

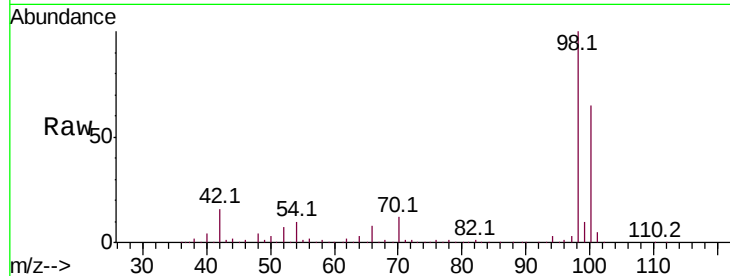
ClientSampled :

Tot Ion: 98 Resp: 441878

Ion Ratio Lower Upper

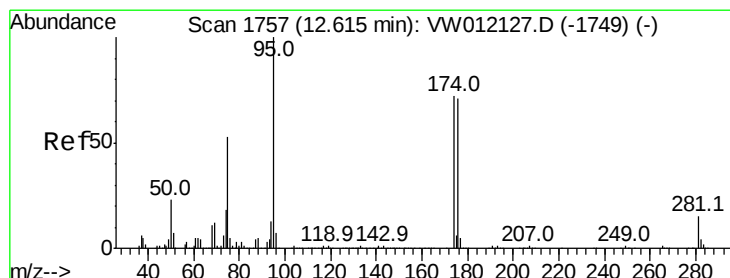
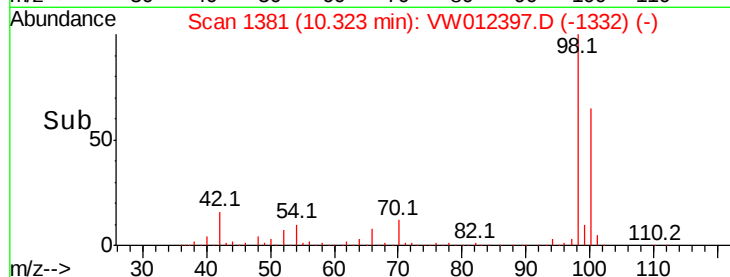
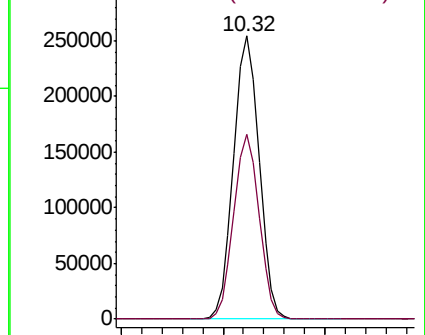
98 100

100 65.0 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: 41.970 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012397.D

Acq: 31 Aug 2019 13:52

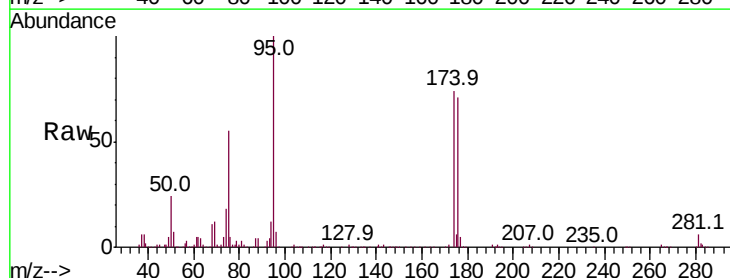
Tgt Ion: 95 Resp: 129549

Ion Ratio Lower Upper

95 100

174 76.2 0.0 150.8

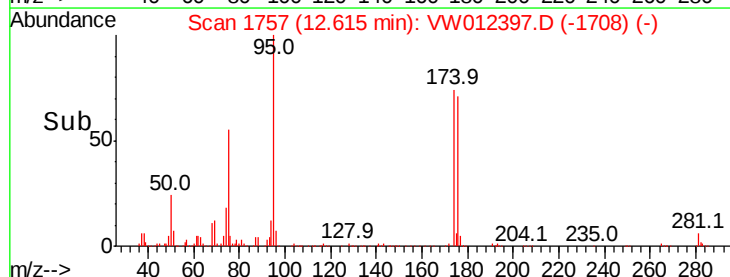
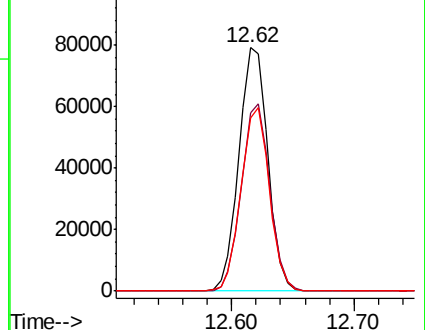
176 74.4 0.0 148.6

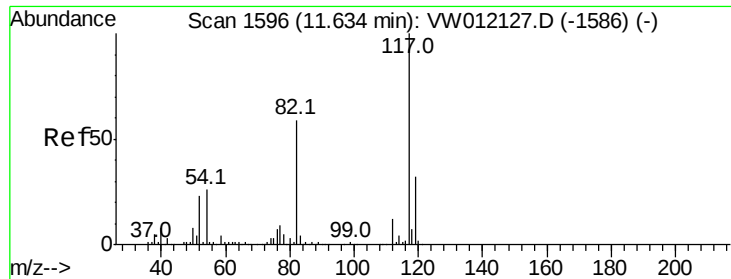


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

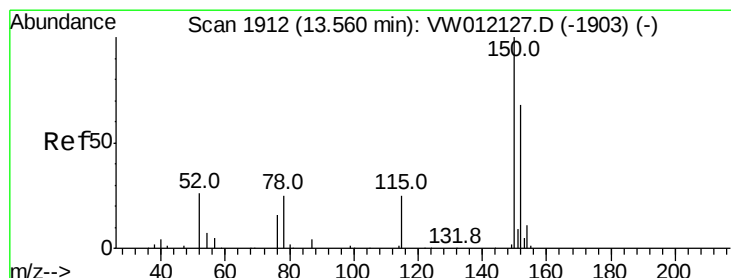
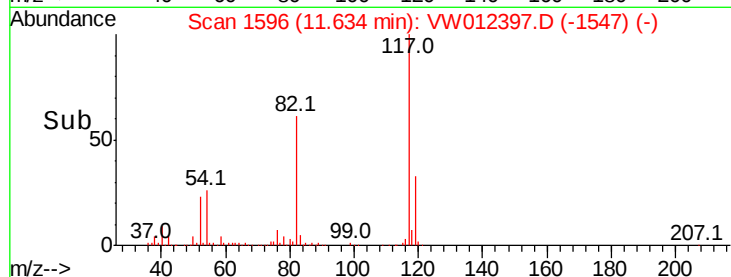
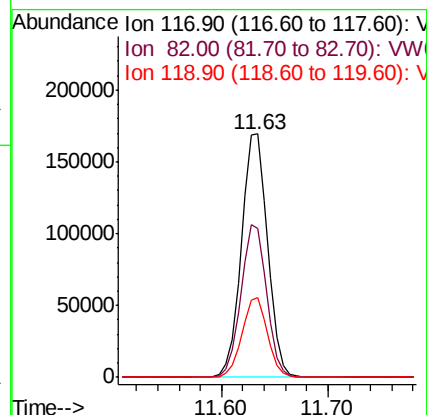
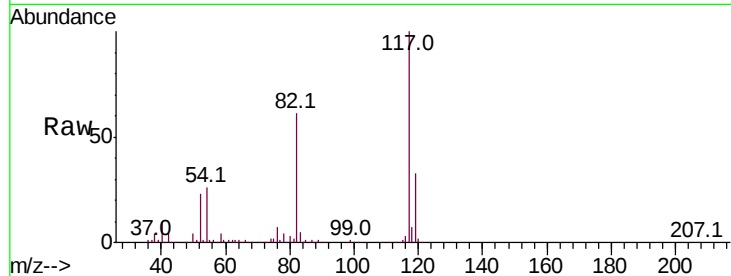




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012397.D
Acq: 31 Aug 2019 13:52

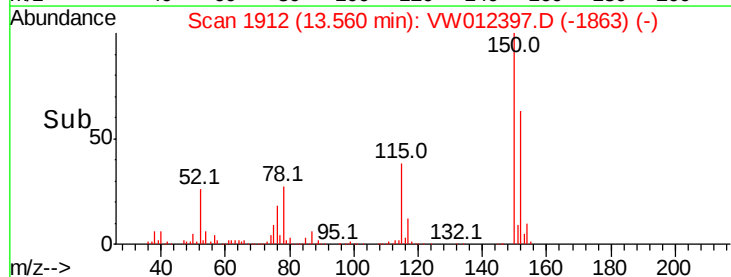
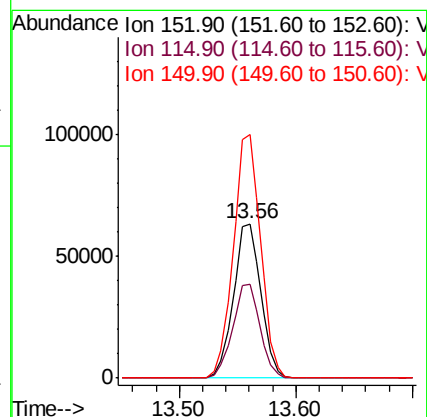
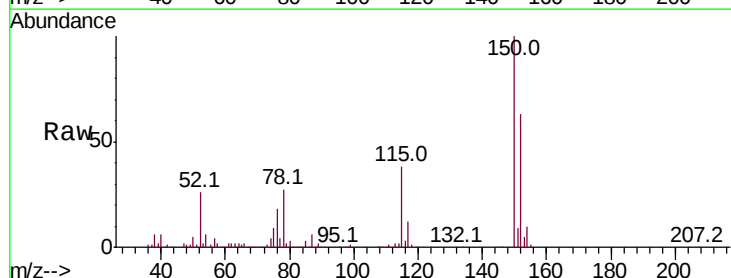
Instrument :
MSVOA_W
ClientSampled :

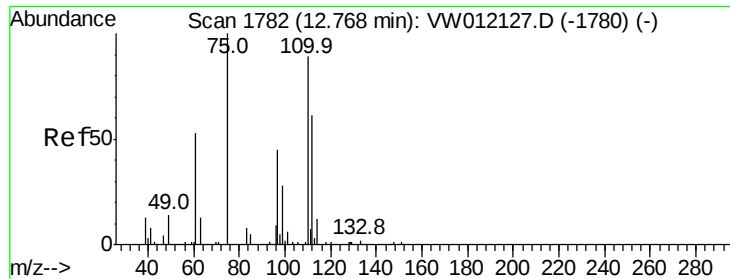
Tot Ion:117 Resp: 292786
Ion Ratio Lower Upper
117 100
82 61.2 47.4 71.2
119 32.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012397.D
Acq: 31 Aug 2019 13:52

Tgt Ion:152 Resp: 103334
Ion Ratio Lower Upper
152 100
115 60.8 30.1 90.3
150 157.2 0.0 345.8



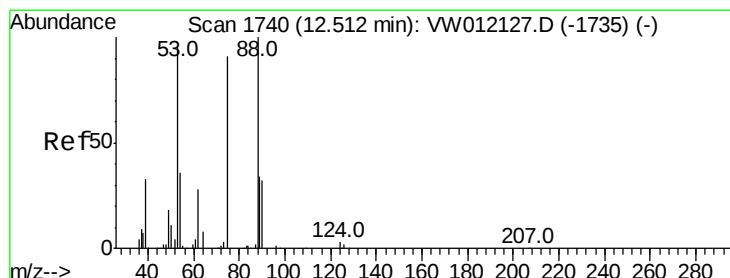
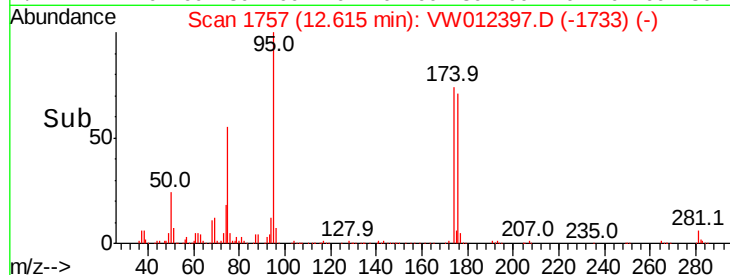
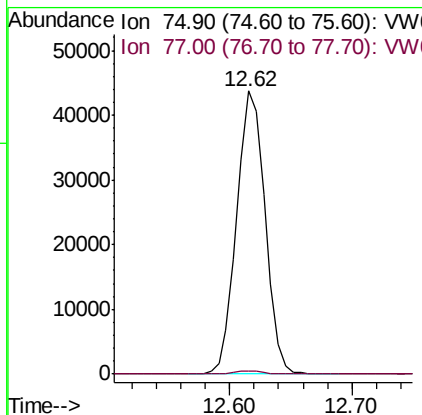
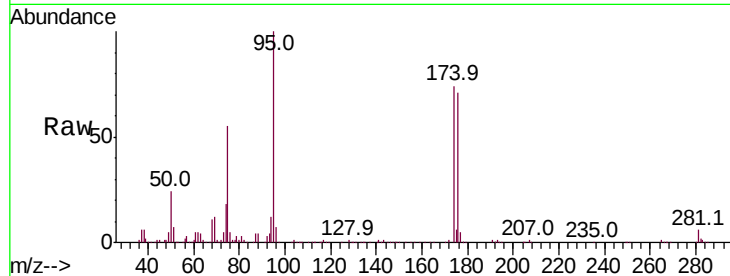


#76

1,2,3-Trichloropropane
Concen: 70.032 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012397.D
Acq: 31 Aug 2019 13:52

Instrument :
MSVOA_W
ClientSampleId :

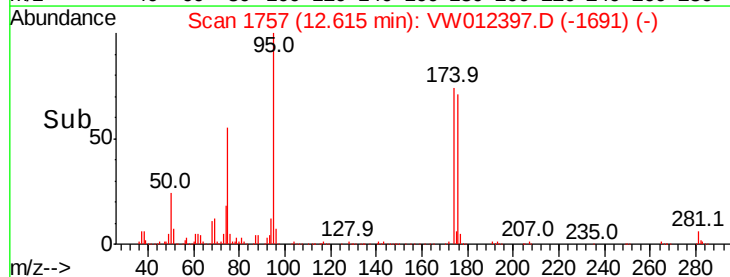
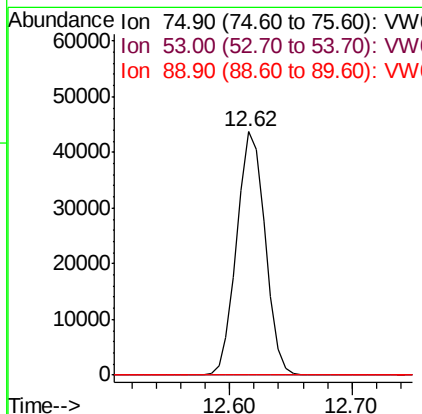
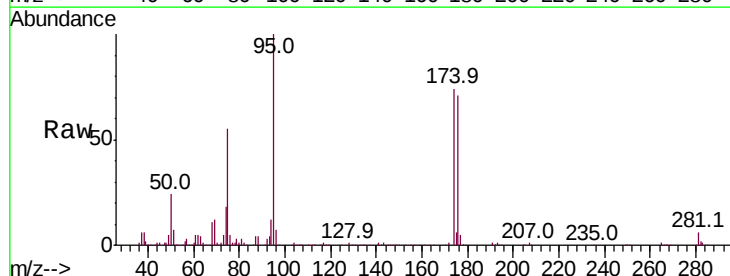
Tot Ion: 75 Resp: 70480
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

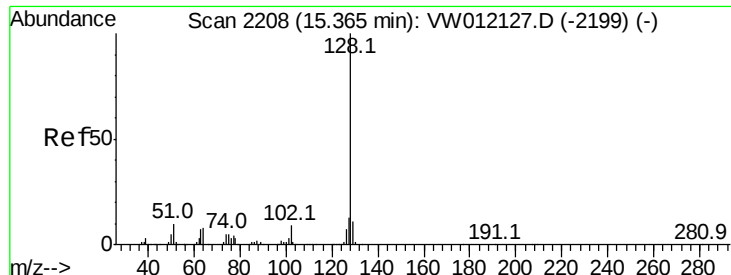


#81

trans-1,4-Dichloro-2-butene
Concen: 153.547 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012397.D
Acq: 31 Aug 2019 13:52

Tgt Ion: 75 Resp: 70480
Ion Ratio Lower Upper
75 100
53 0.3 89.4 134.0#
89 0.1 34.5 51.7#





#95

Naphthalene

Concen: 4.387 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012397.D

Acq: 31 Aug 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

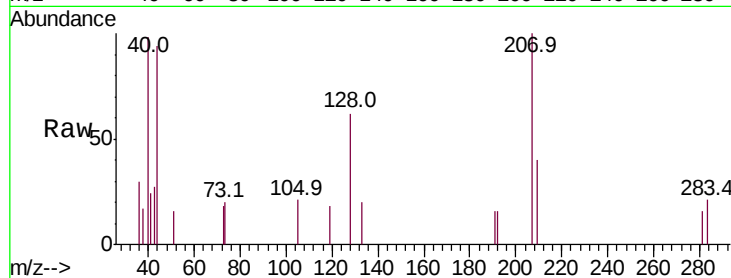
Tot Ion:128 Resp: 280

Ion Ratio Lower Upper

128 100

127 0.0 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

