

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090819\
 Data File : VW012810.D
 Acq On : 09 Sep 2019 09:25
 Operator : SY/VA
 Sample : K4760-07
 Misc : 5.62G/5ML/MSVOA W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 09 10:47:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	264265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	400613	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	315117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	113477	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	143223	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
35) Dibromofluoromethane	7.88	113	115319	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
50) Toluene-d8	10.32	98	474153	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.62	95	149500	44.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.26%	

Target Compounds

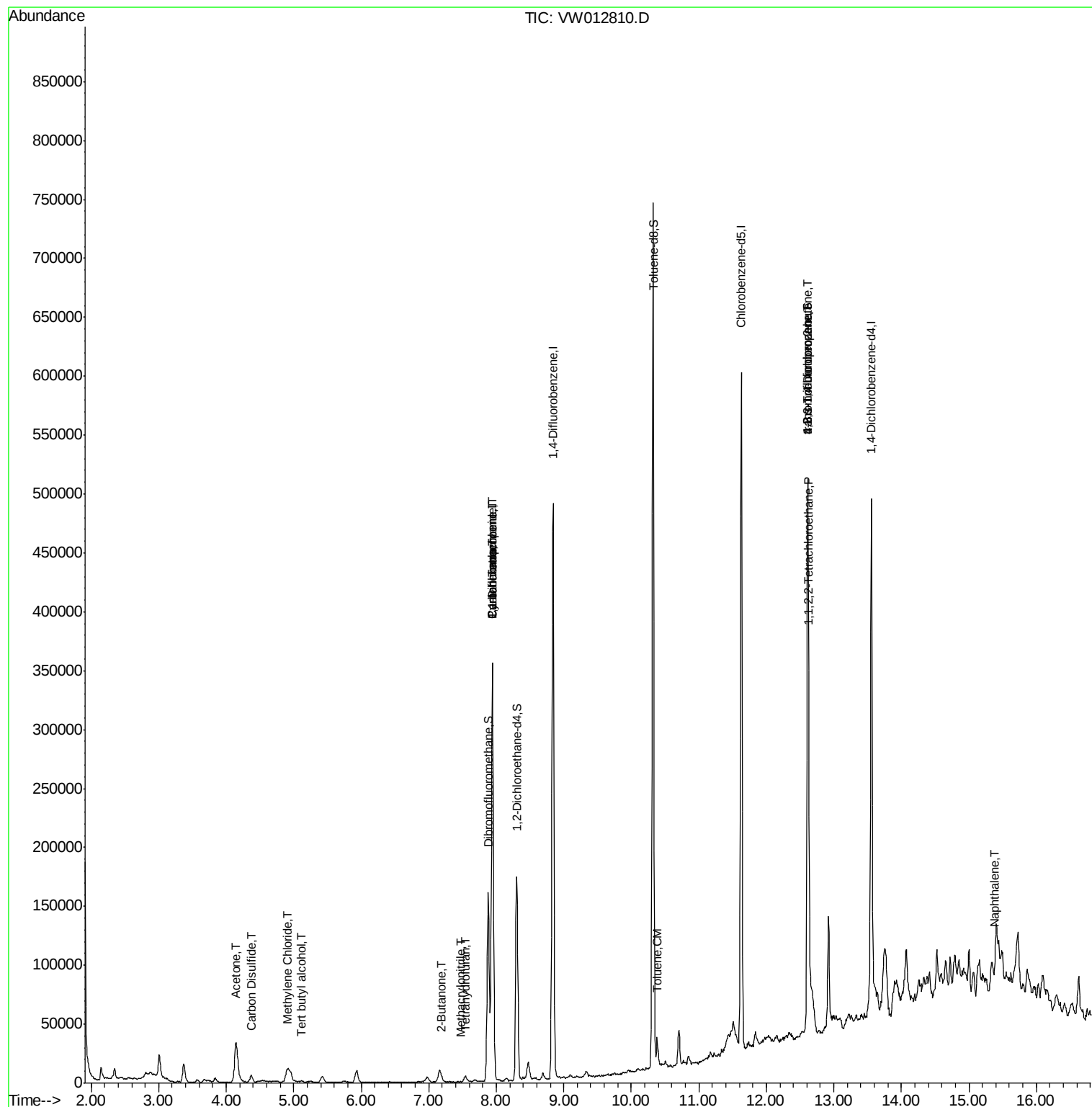
						Qvalue
11) Tert butyl alcohol	5.12	59	1221	5.405	ug/l #	72
16) Acetone	4.14	43	79393	98.629	ug/l	96
17) Carbon Disulfide	4.37	76	12182	2.630	ug/l	100
20) Methylene Chloride	4.90	84	6323	2.511	ug/l	85
25) 2-Butanone	7.20	43	4669	23.309	ug/l #	65
29) Tetrahydrofuran	7.54	42	4526	6.963	ug/l #	84
31) Cyclohexane	7.94	56	7120	1.640	ug/l #	37
36) 1,1-Dichloropropene	7.95	75	21531	6.049	ug/l #	53
38) Carbon Tetrachloride	7.95	117	25264	7.200	ug/l #	16
41) Methacrylonitrile	7.46	41	97	3.897	ug/l #	57
52) Toluene	10.38	92	9099	1.476	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.63	83	11002	6.731	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	71525	61.641	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	71525	130.374	ug/l #	10
95) Naphthalene	15.37	128	327	4.502	ug/l #	1

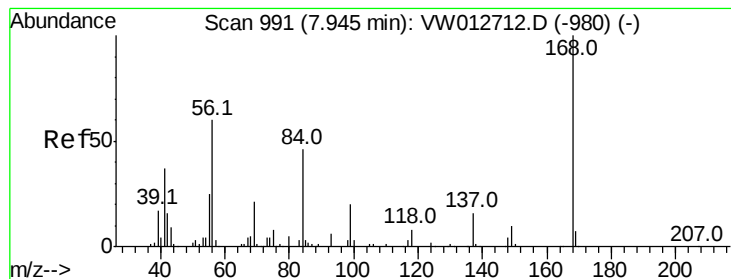
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 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: VW012810.D

Acq: 09 Sep 2019 09:25

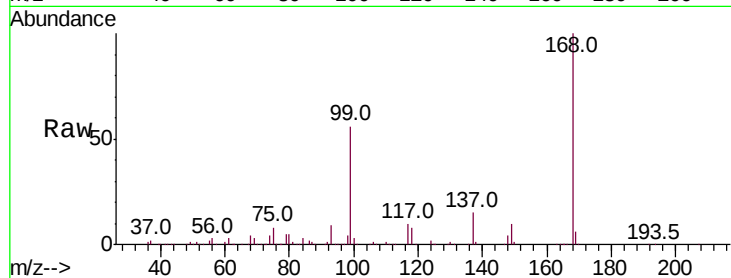
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 264265

Ion Ratio Lower Upper

168 100

99 55.9 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

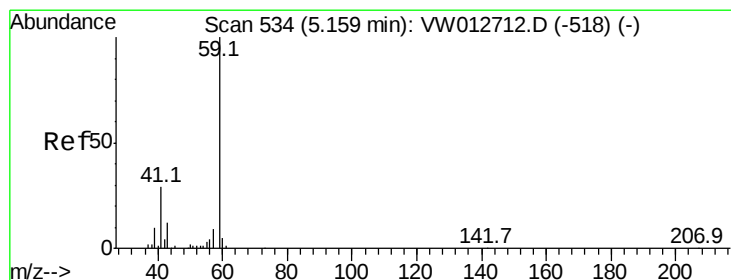
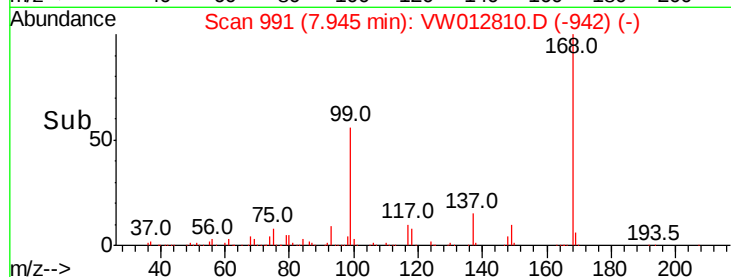
7.95

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.405 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.04 min

Lab File: VW012810.D

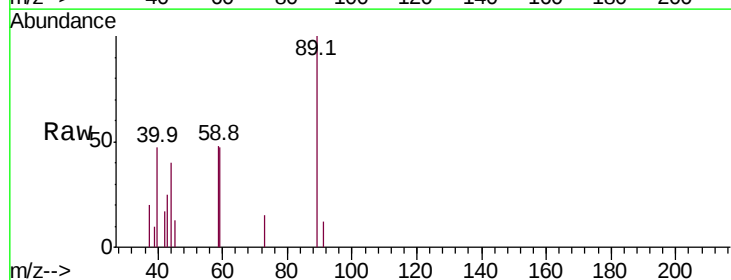
Acq: 09 Sep 2019 09:25

Tgt Ion: 59 Resp: 1221

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

500

400

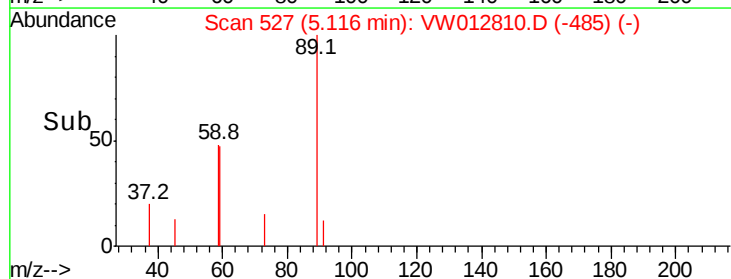
300

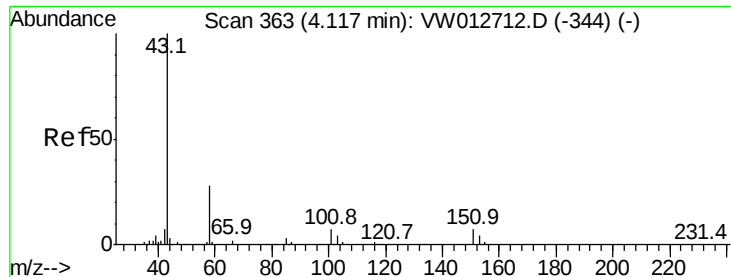
200

100

0

Time-->





#16

Acetone

Concen: 98.629 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012810.D

Acq: 09 Sep 2019 09:25

Instrument :

MSVOA_W

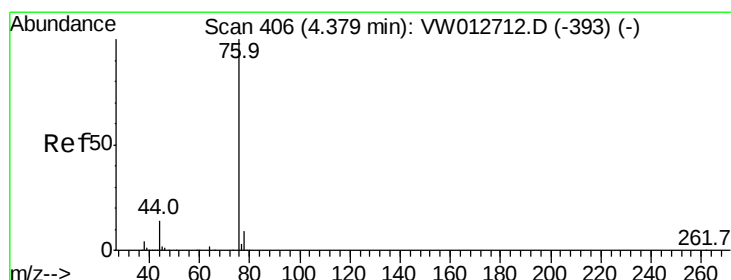
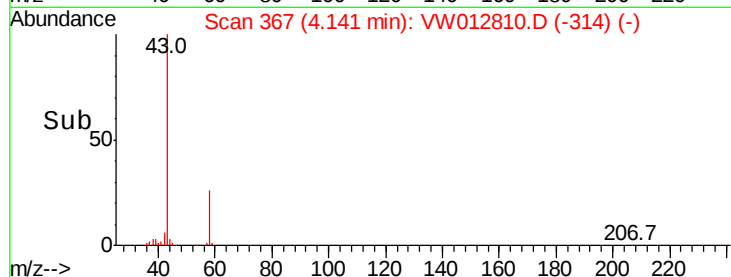
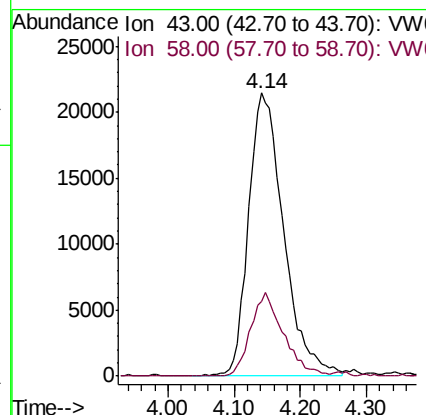
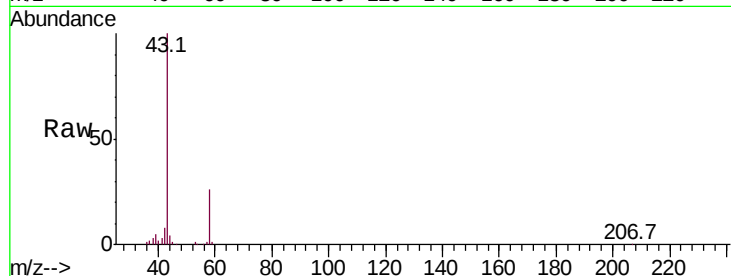
ClientSampleId :

Tot Ion: 43 Resp: 79393

Ion Ratio Lower Upper

43 100

58 26.1 22.6 33.8



#17

Carbon Disulfide

Concen: 2.630 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012810.D

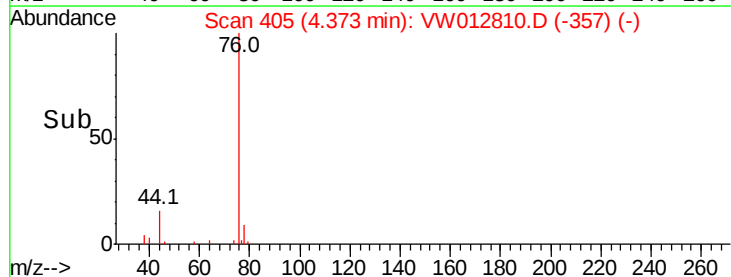
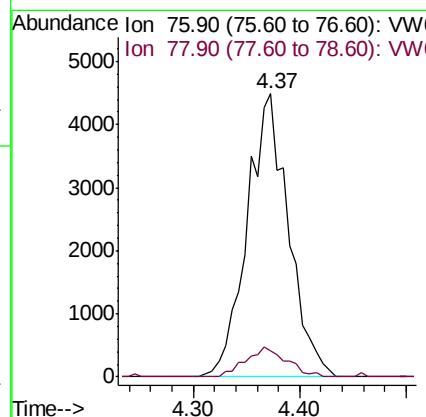
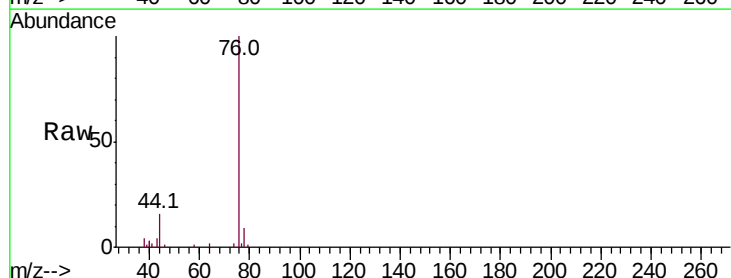
Acq: 09 Sep 2019 09:25

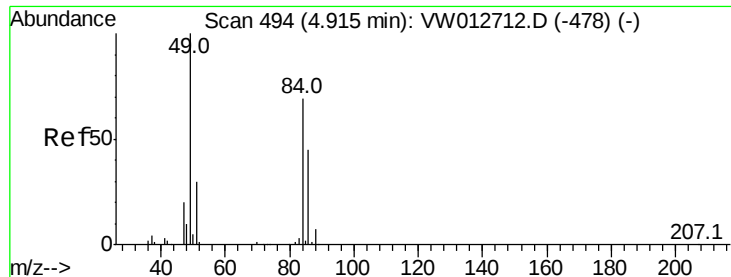
Tgt Ion: 76 Resp: 12182

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

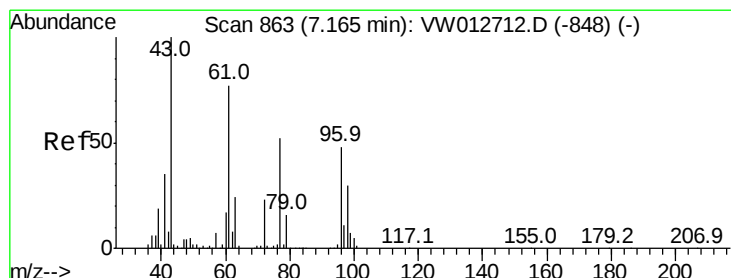
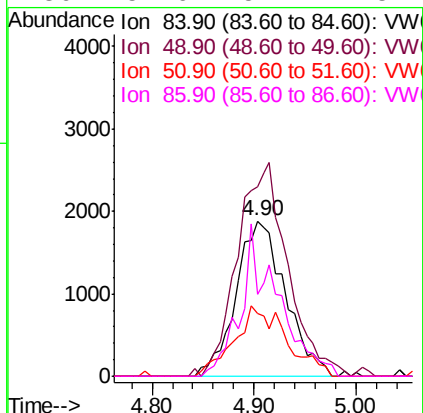
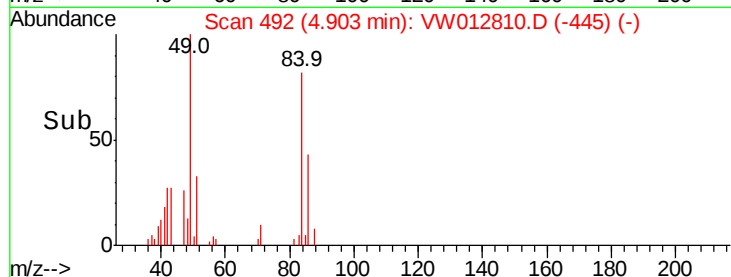
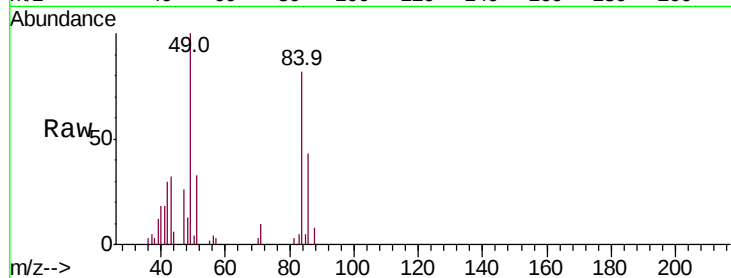




#20
Methvlene Chloride
Concen: 2.511 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW012810.D
Acq: 09 Sep 2019 09:25

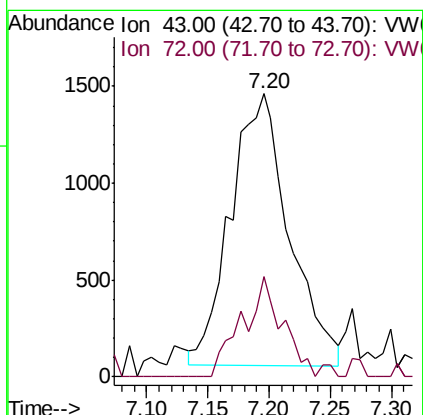
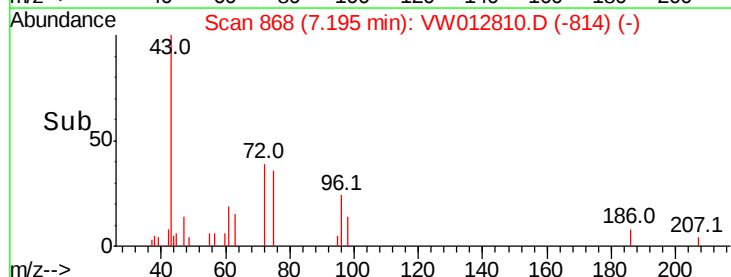
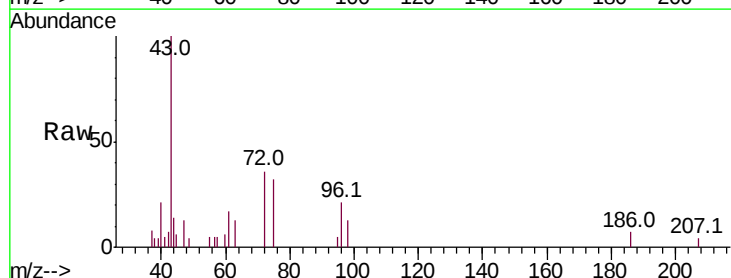
Instrument :
MSVOA_W
ClientSampleId :

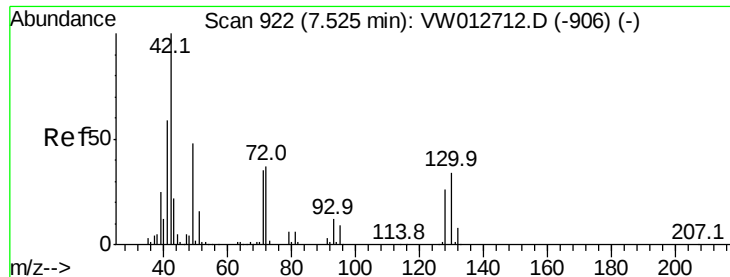
Tot Ion: 84 Resp: 6323
Ion Ratio Lower Upper
84 100
49 121.9 115.4 173.0
51 40.2 34.9 52.3
86 52.6 52.2 78.4



#25
2-Butanone
Concen: 23.309 ug/l
RT: 7.20 min Scan# 868
Delta R.T. 0.03 min
Lab File: VW012810.D
Acq: 09 Sep 2019 09:25

Tgt Ion: 43 Resp: 4669
Ion Ratio Lower Upper
43 100
72 39.2 18.0 27.0#

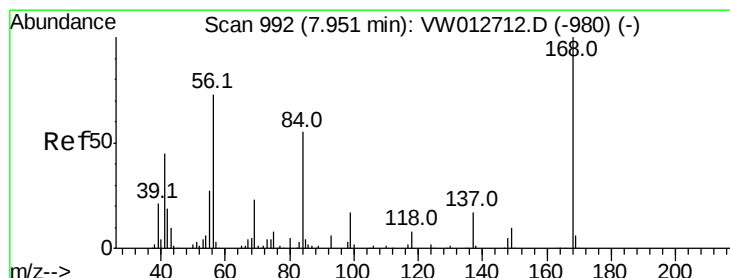
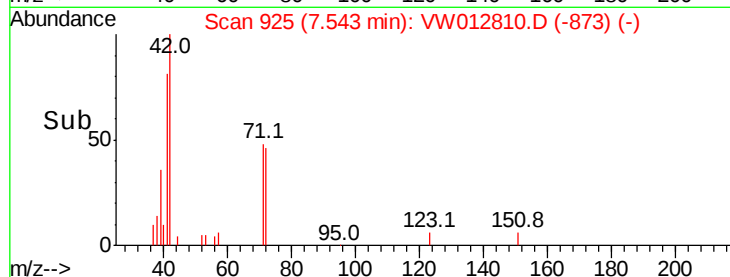
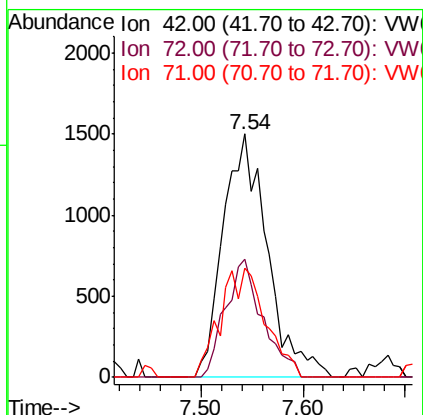
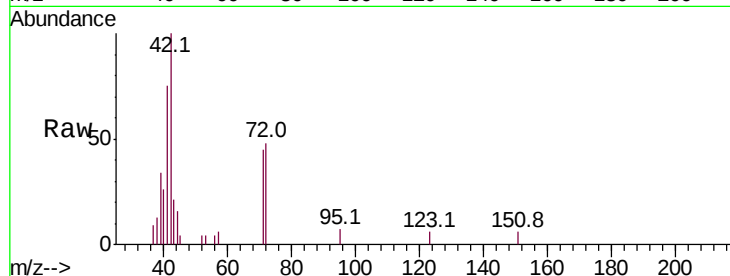




#29
Tetrahydrofuran
Concen: 6.963 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.02 min
Lab File: VW012810.D
Acq: 09 Sep 2019 09:25

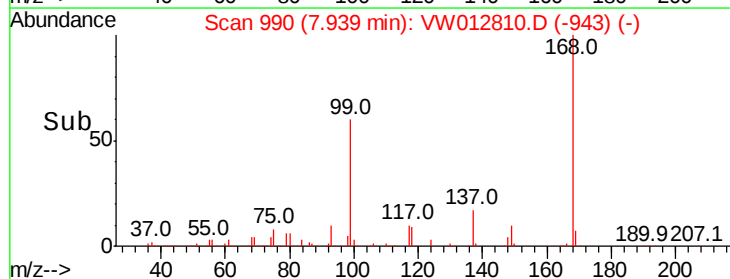
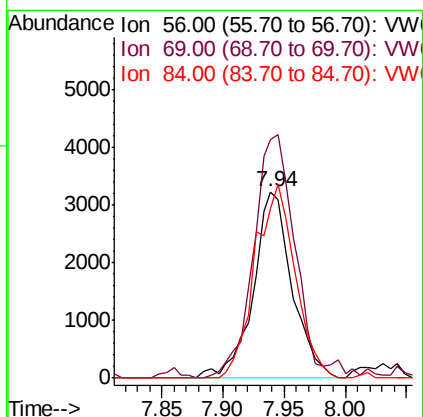
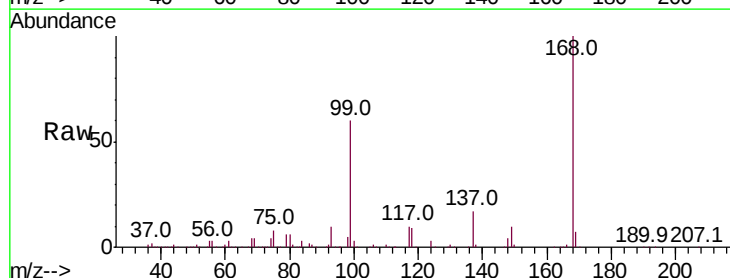
Instrument :
MSVOA_W
ClientSampled :

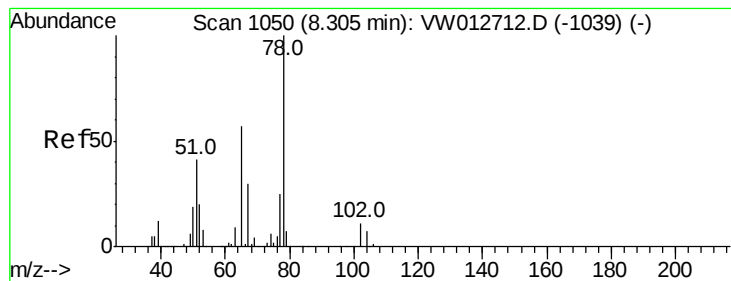
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	28.4	42.6
71	20.8	27.1	40.7#



#31
Cyclohexane
Concen: 1.640 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012810.D
Acq: 09 Sep 2019 09:25

Tgt Ion	Ratio	Lower	Upper
56	100		
69	126.3	25.7	38.5#
84	90.8	60.4	90.6#





#33

1,2-Dichloroethane-d4

Concen: 48.506 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012810.D

Acq: 09 Sep 2019 09:25

Instrument :

MSVOA_W

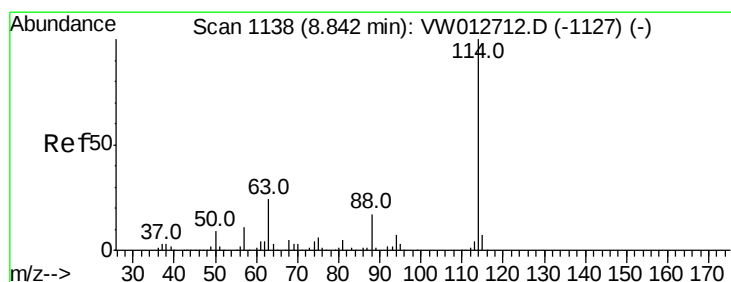
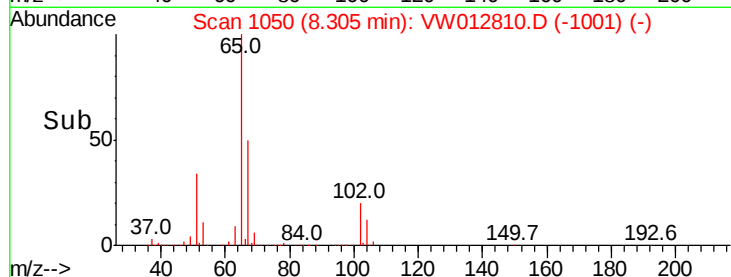
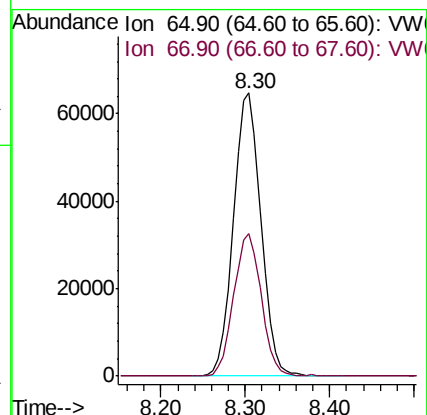
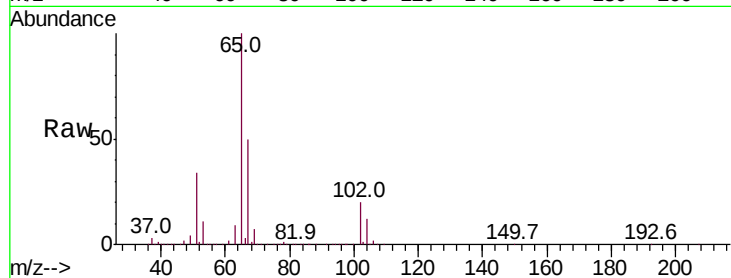
ClientSampleId :

Tot Ion: 65 Resp: 143223

Ion Ratio Lower Upper

65 100

67 50.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012810.D

Acq: 09 Sep 2019 09:25

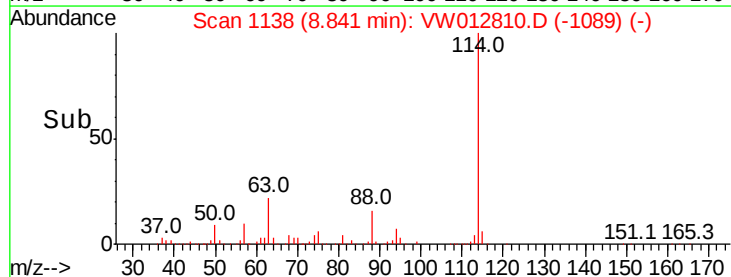
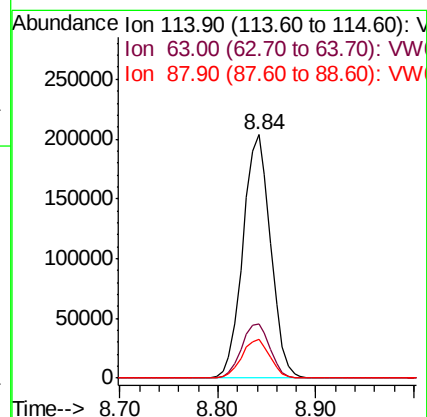
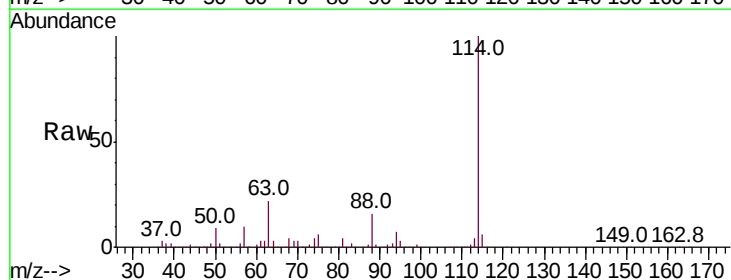
Tgt Ion: 114 Resp: 400613

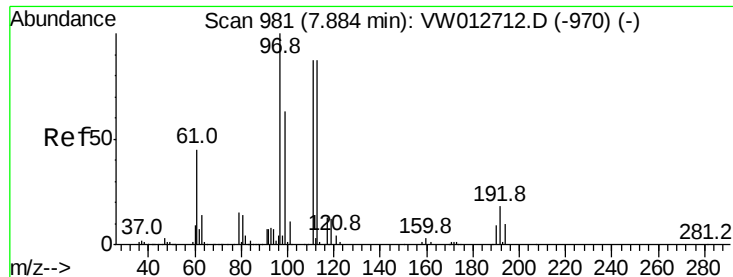
Ion Ratio Lower Upper

114 100

63 22.5 0.0 47.2

88 15.7 0.0 34.0

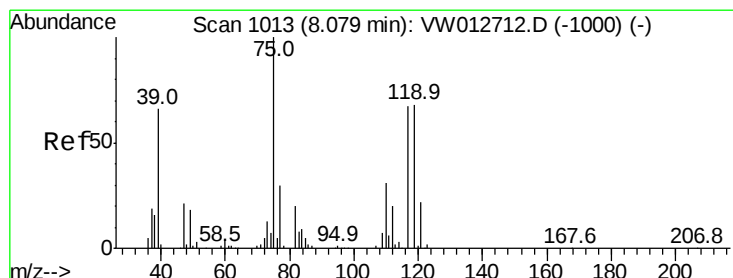
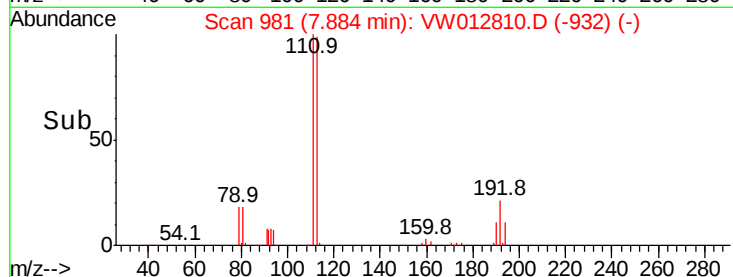
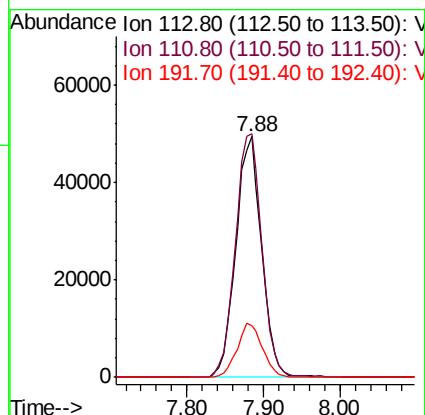
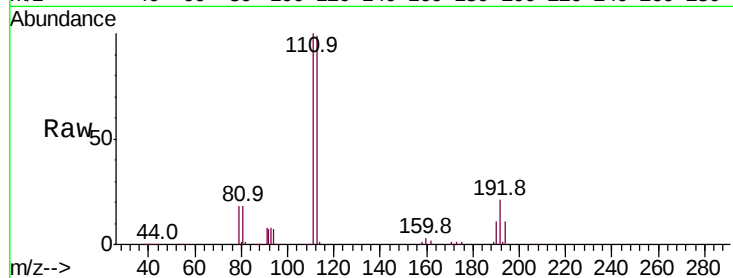




#35
 Dibromofluoromethane
 Concen: 48.418 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012810.D
 Acq: 09 Sep 2019 09:25

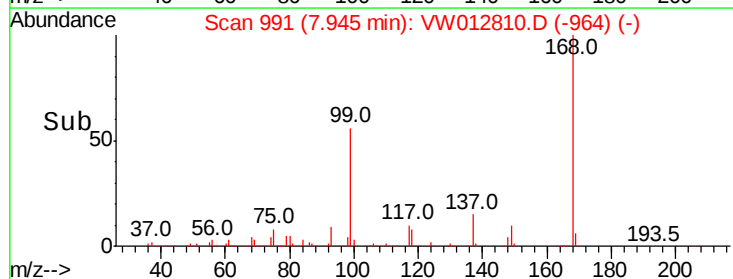
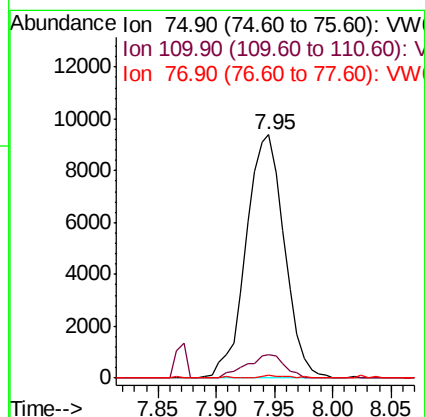
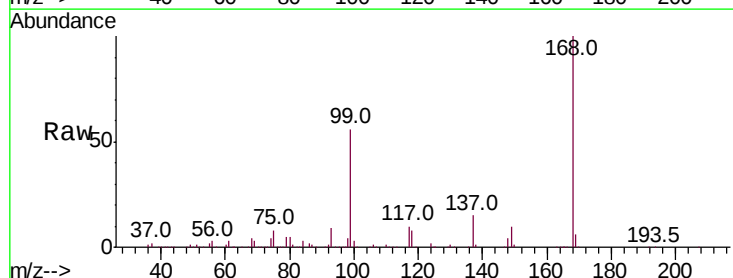
Instrument :
 MSVOA_W
 ClientSampleId :

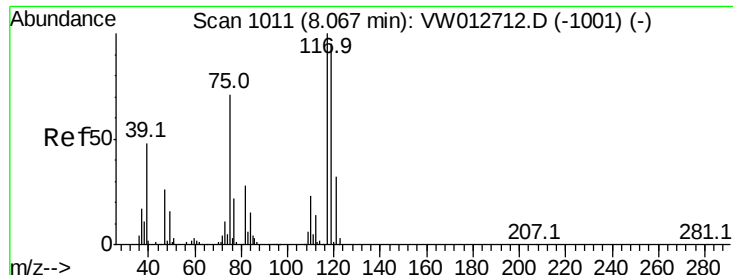
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	80.2	120.4
192	22.1	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 6.049 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012810.D
 Acq: 09 Sep 2019 09:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	15.9	47.7#
77	0.6	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 7.200 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012810.D

Acq: 09 Sep 2019 09:25

Instrument :
MSVOA_W
ClientSampled :

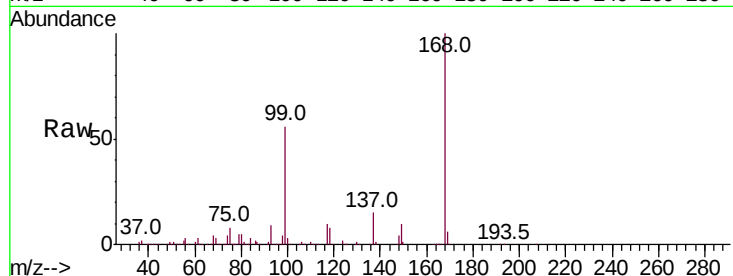
Tot Ion:117 Resp: 25264

Ion Ratio Lower Upper

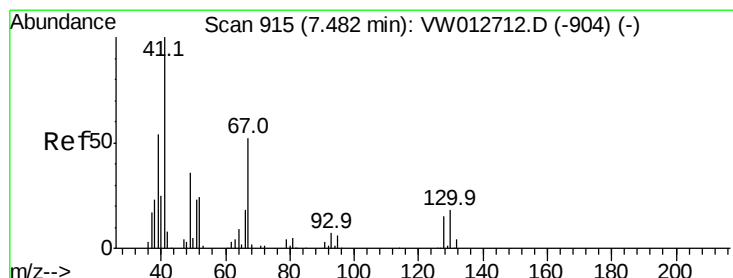
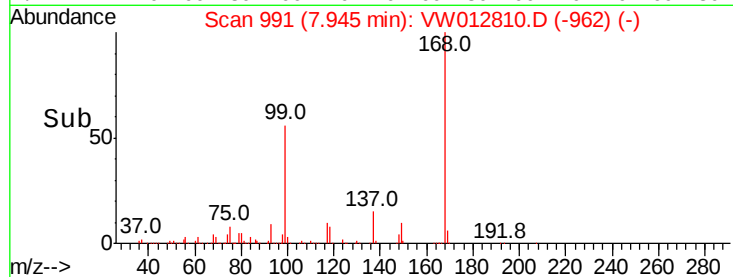
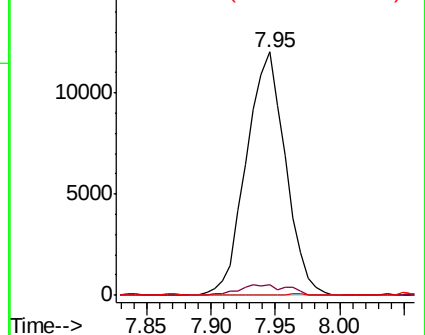
117 100

119 4.5 76.2 114.2#

121 0.0 25.4 38.2#



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: 3.897 ug/l

RT: 7.46 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW012810.D

Acq: 09 Sep 2019 09:25

Tgt Ion: 41 Resp: 97

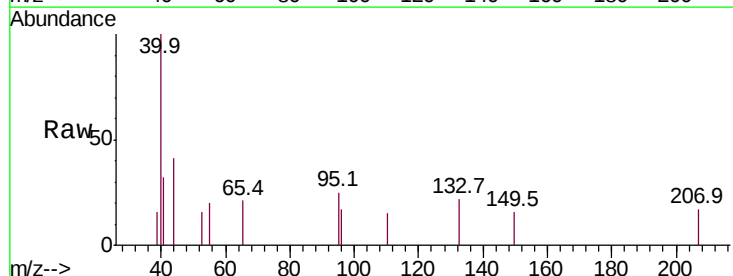
Ion Ratio Lower Upper

41 100

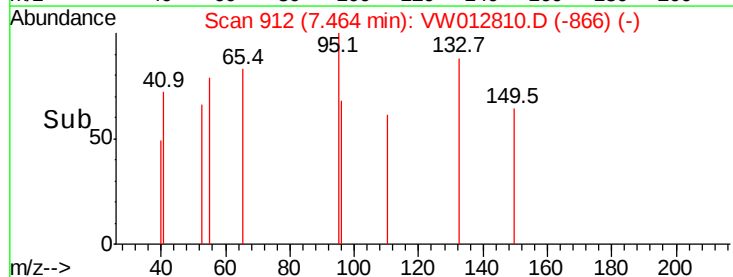
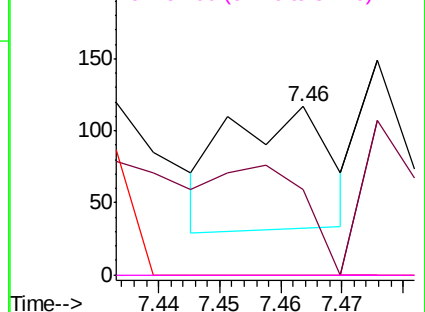
39 66.0 47.5 71.3

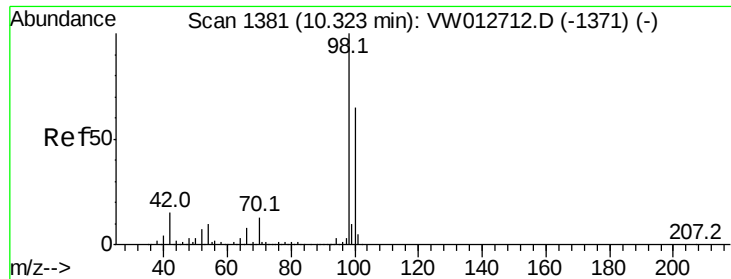
67 0.0 45.1 67.7#

52 0.0 20.2 30.2#



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

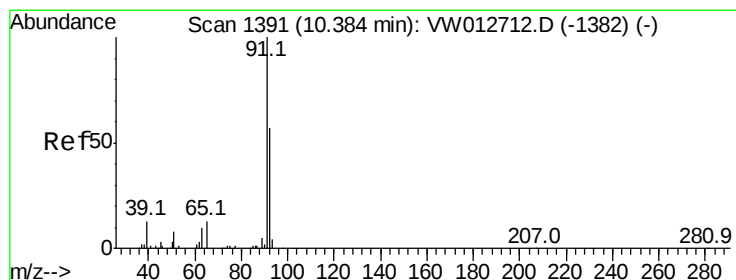
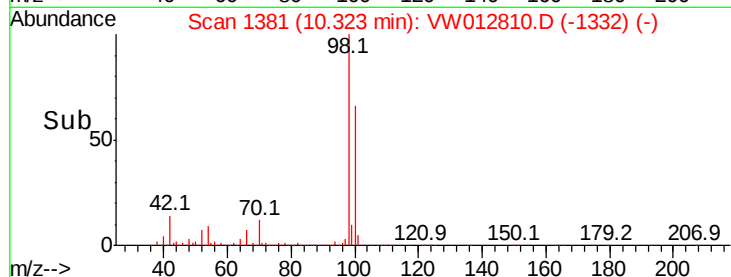
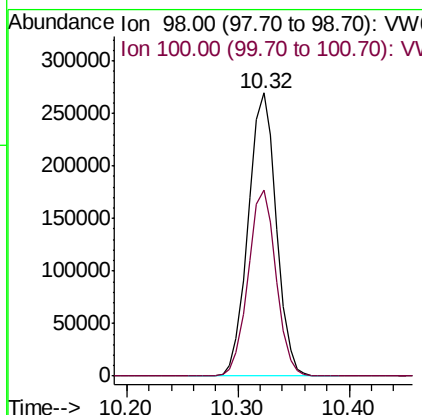
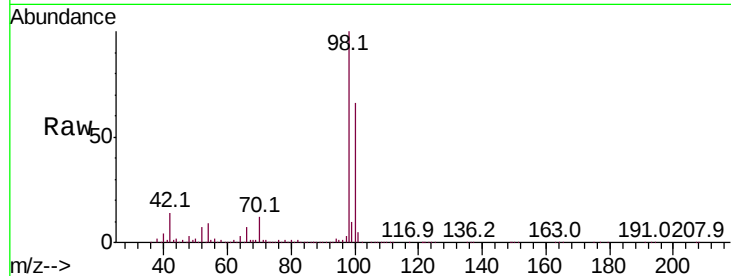




#50
Toluene-d8
Concen: 50.814 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012810.D
Acq: 09 Sep 2019 09:25

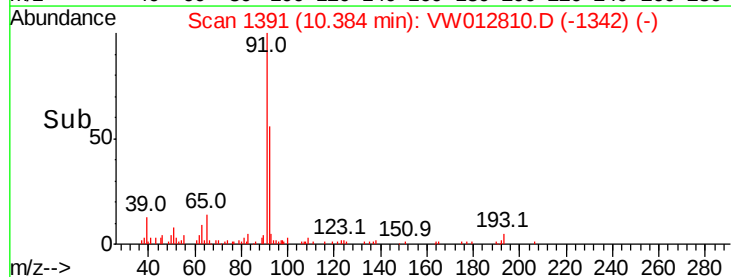
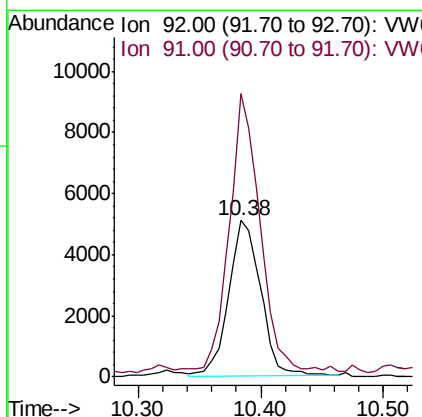
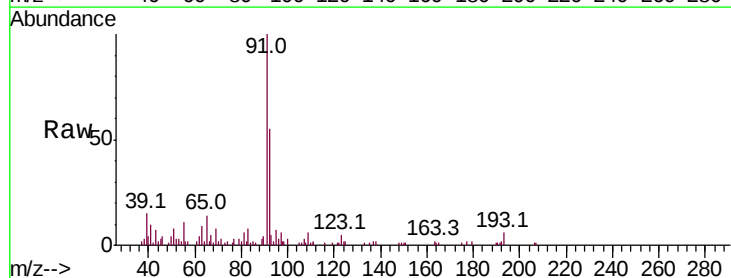
Instrument :
MSVOA_W
ClientSampleId :

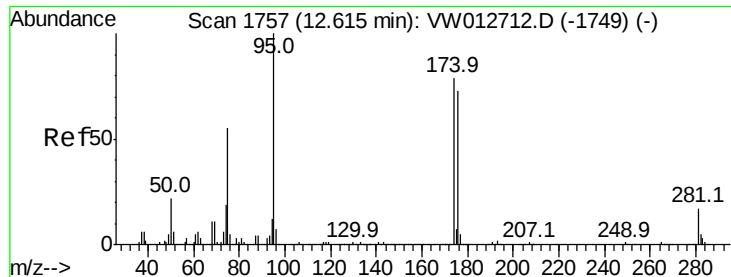
Tot Ion: 98 Resp: 474153
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4



#52
Toluene
Concen: 1.476 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW012810.D
Acq: 09 Sep 2019 09:25

Tgt Ion: 92 Resp: 9099
Ion Ratio Lower Upper
92 100
91 166.1 137.0 205.4

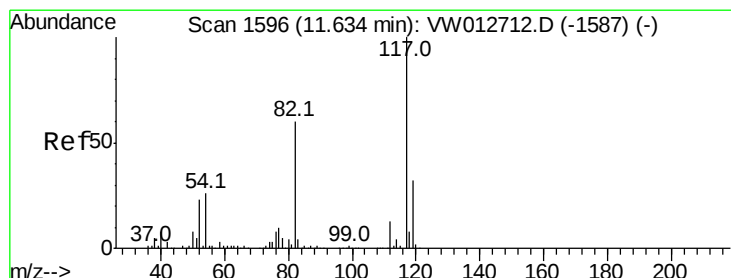
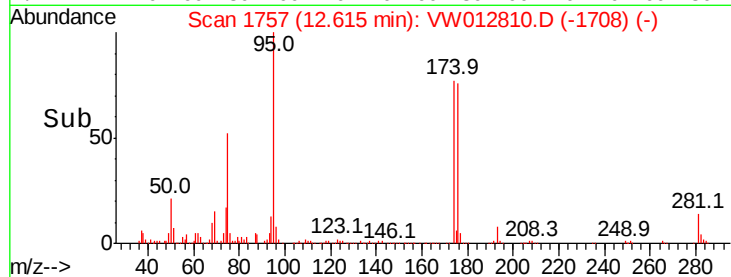
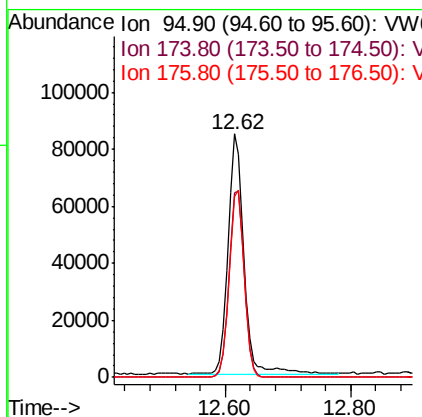
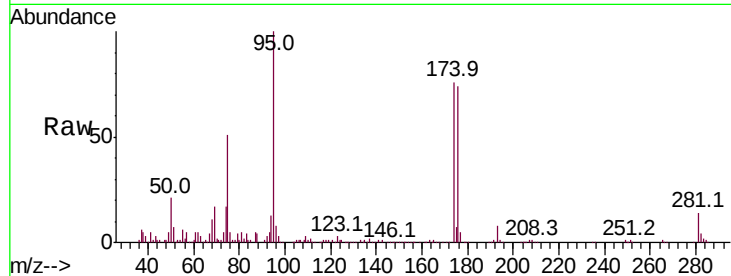




#62
4-Bromofluorobenzene
Concen: 44.133 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012810.D
Acq: 09 Sep 2019 09:25

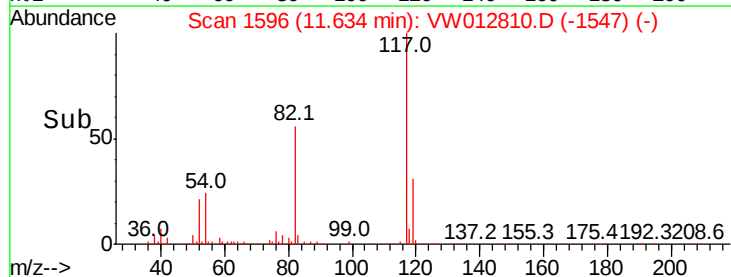
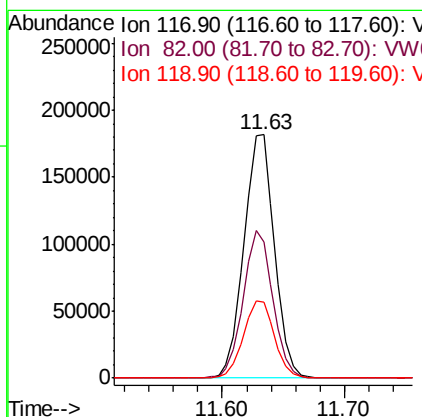
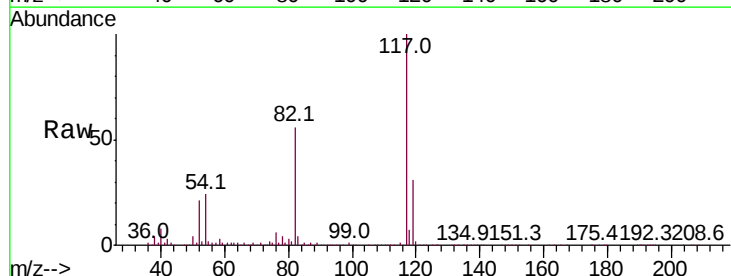
Instrument :
MSVOA_W
ClientSampleId :

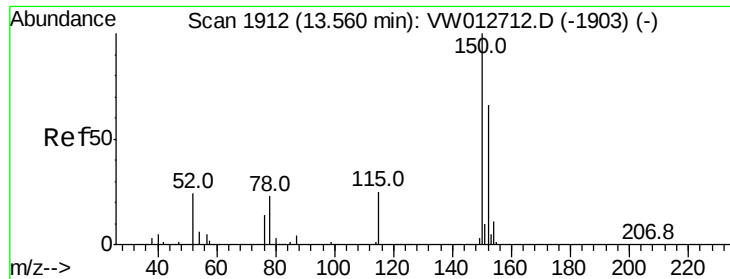
Tot Ion	95	Resp	149500
Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	161.0
176	72.1	0.0	156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012810.D
Acq: 09 Sep 2019 09:25

Tgt Ion	117	Resp	315117
Ion	Ratio	Lower	Upper
117	100		
82	55.5	48.2	72.4
119	31.4	25.8	38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012810.D

Acq: 09 Sep 2019 09:25

Instrument :

MSVOA_W

ClientSampleId :

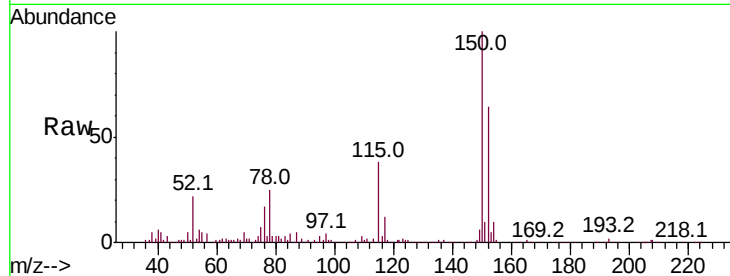
Tot Ion:152 Resp: 113477

Ion Ratio Lower Upper

152 100

115 57.7 30.0 90.1

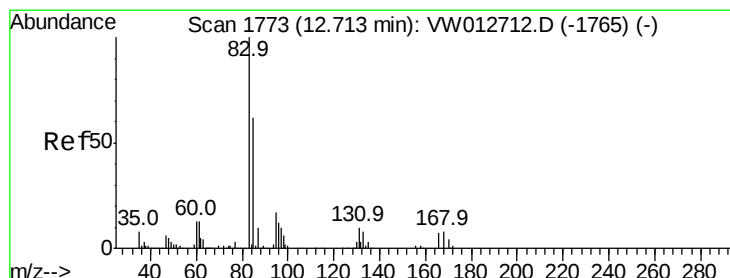
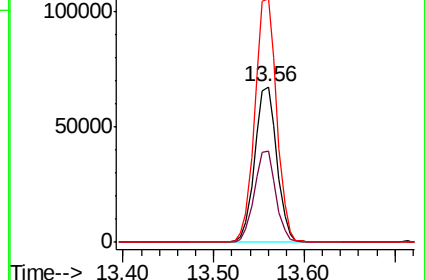
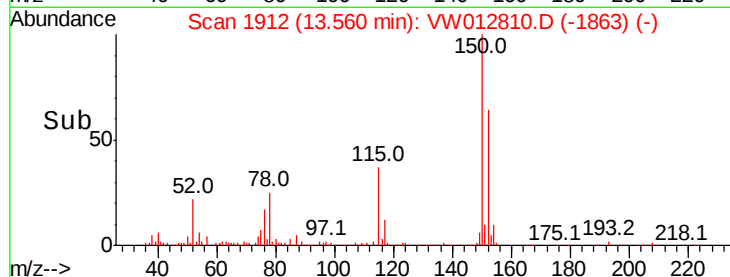
150 153.9 0.0 349.0



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



#75

1,1,2,2-Tetrachloroethane

Concen: 6.731 ug/l

RT: 12.63 min Scan# 1760

Delta R.T. -0.08 min

Lab File: VW012810.D

Acq: 09 Sep 2019 09:25

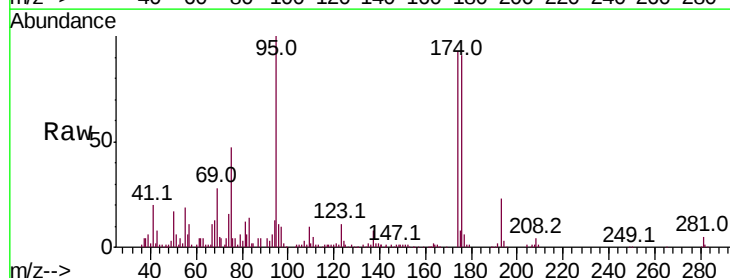
Tgt Ion: 83 Resp: 11002

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

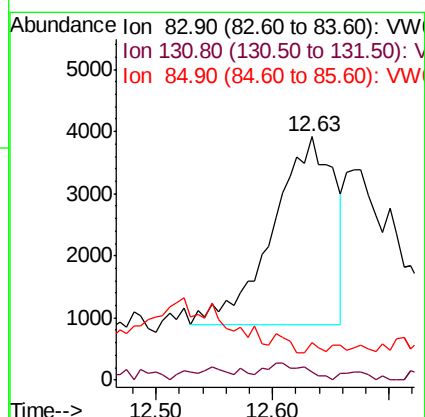
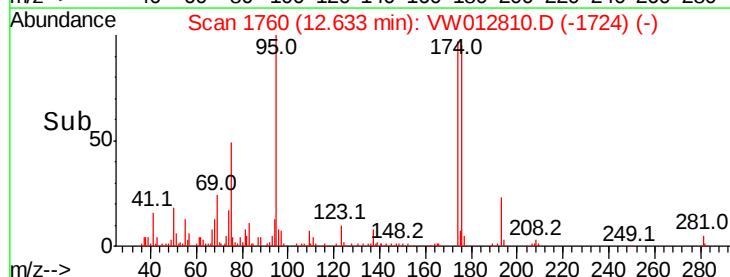
85 0.8 31.4 94.2#

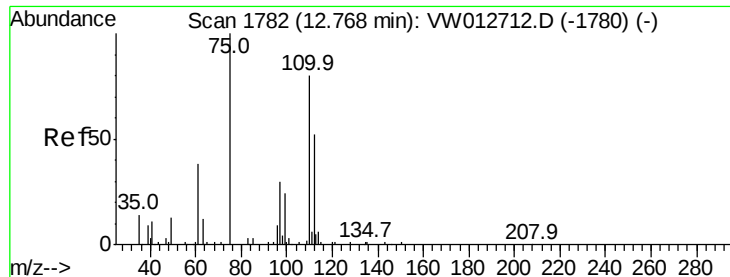


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 61.641 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012810.D

Acq: 09 Sep 2019 09:25

Instrument :

MSVOA_W

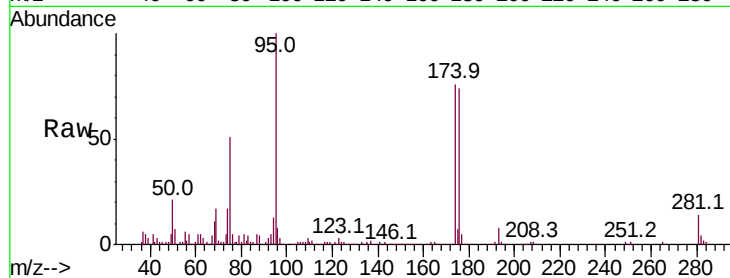
ClientSampleId :

Tot Ion: 75 Resp: 71525

Ion Ratio Lower Upper

75 100

77 2.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

40000

30000

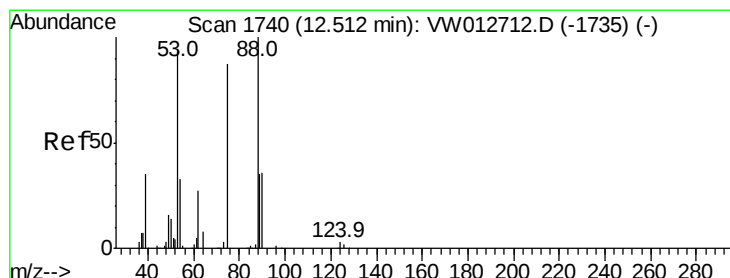
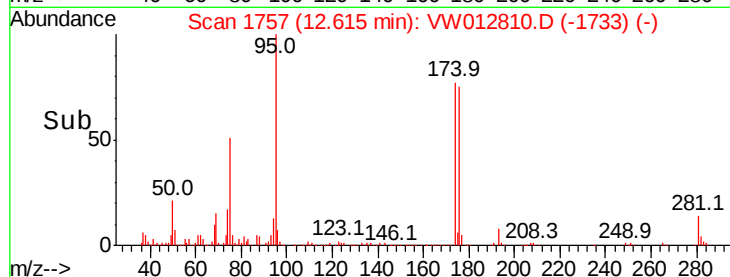
20000

10000

0

Time-->

12.60 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 130.374 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012810.D

Acq: 09 Sep 2019 09:25

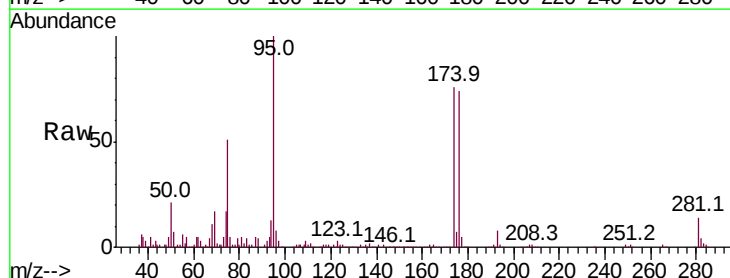
Tgt Ion: 75 Resp: 71525

Ion Ratio Lower Upper

75 100

53 5.2 87.6 131.4#

89 0.1 35.5 53.3#



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

60000

50000

40000

30000

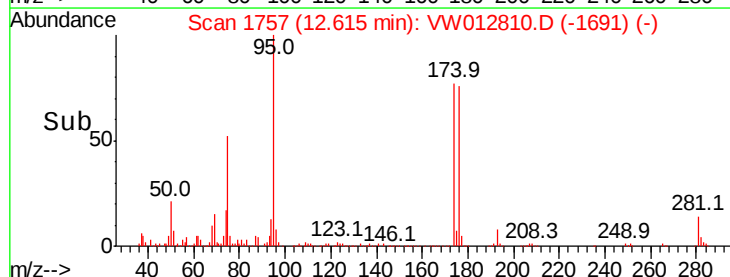
20000

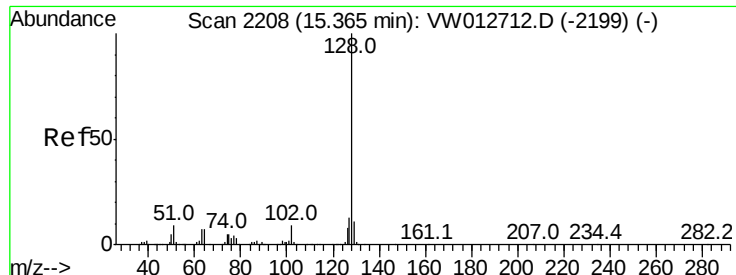
10000

0

Time-->

12.60 12.70





#95

Napthalene

Concen: 4.502 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012810.D

Acq: 09 Sep 2019 09:25

Instrument :

MSVOA_W

ClientSampleId :

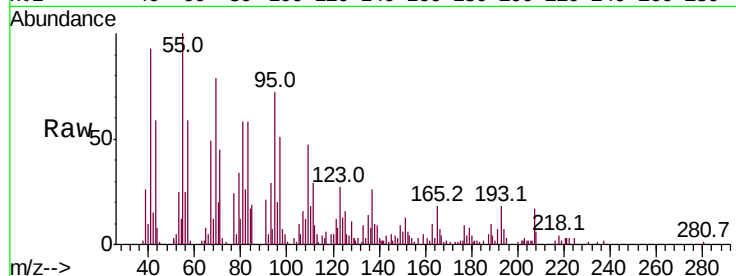
Tot Ion:128 Resp: 327

Ion Ratio Lower Upper

128 100

127 60.2 10.7 16.1#

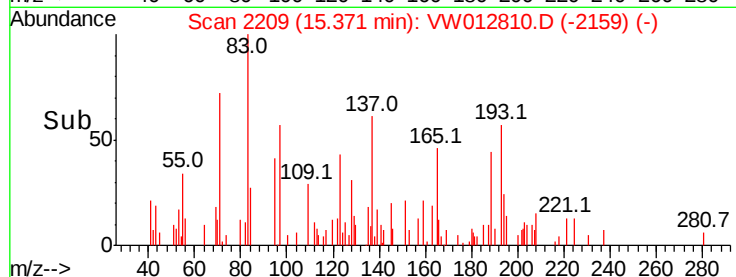
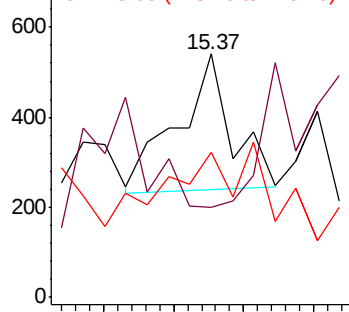
129 124.5 8.7 13.1#



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



Time-->