

Data File : VW012738.D
Acq On : 07 Sep 2019 23:21
Operator : SY/VA
Sample : K4554-43
Misc : 4.70G/5ML/MSVOA_W/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-4-(0-2)

Quant Time: Sep 08 05:16:29 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	250531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	397982	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	313983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	106768	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	146330	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
35) Dibromofluoromethane	7.88	113	115780	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
50) Toluene-d8	10.32	98	453390	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	12.62	95	132406	39.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.70%	

Target Compounds

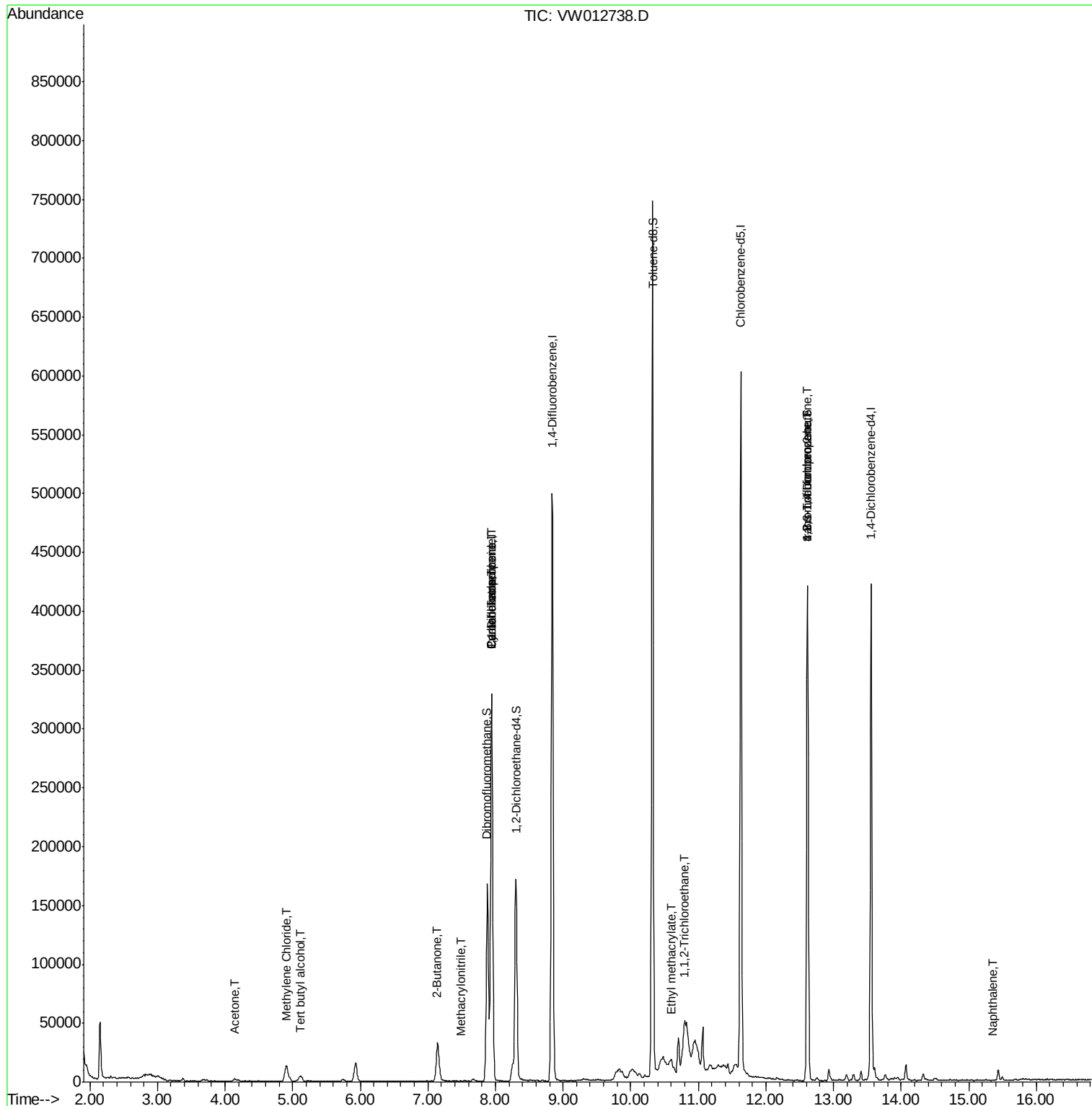
						Qvalue
11) Tert butyl alcohol	5.11	59	4104	19.162	ug/l #	74
16) Acetone	4.14	43	3772	4.943	ug/l #	84
20) Methylene Chloride	4.90	84	9700	4.063	ug/l	95
25) 2-Butanone	7.15	43	2278	21.548	ug/l #	53
31) Cyclohexane	7.94	56	6232	1.515	ug/l #	12
36) 1,1-Dichloropropene	7.94	75	20333	5.750	ug/l #	53
38) Carbon Tetrachloride	7.95	117	24623	7.064	ug/l #	17
41) Methacrylonitrile	7.49	41	95	3.896	ug/l #	20
55) 1,1,2-Trichloroethane	10.79	97	2346	1.216	ug/l #	17
56) Ethyl methacrylate	10.60	69	5889	2.085	ug/l #	20
76) 1,2,3-Trichloropropane	12.62	75	73195	67.044	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	73195	141.802	ug/l #	6
95) Naphthalene	15.36	128	80	4.455	ug/l #	69

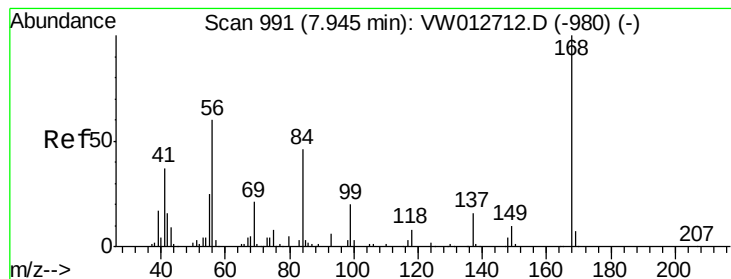
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012738.D

Acq: 07 Sep 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

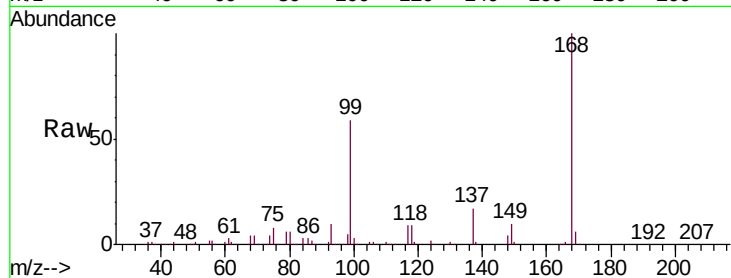
SB-4-(0-2)

Tgt Ion:168 Resp: 250531

Ion Ratio Lower Upper

168 100

99 58.6 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

120000

100000

80000

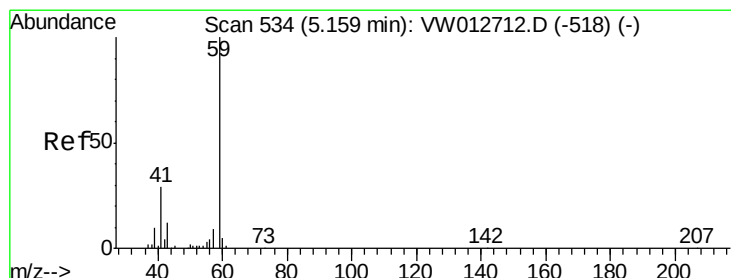
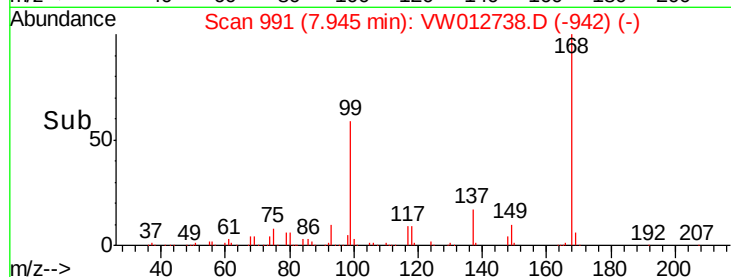
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 19.162 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.05 min

Lab File: VW012738.D

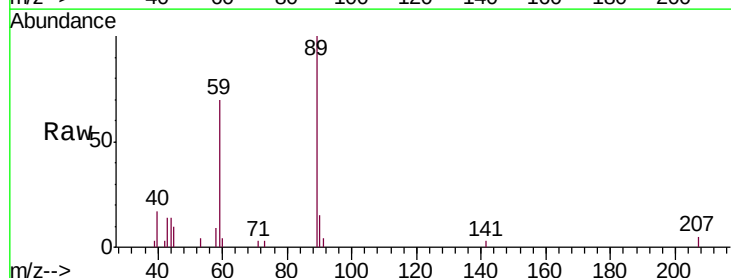
Acq: 07 Sep 2019 23:21

Tgt Ion: 59 Resp: 4104

Ion Ratio Lower Upper

59 100

57 0.5 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

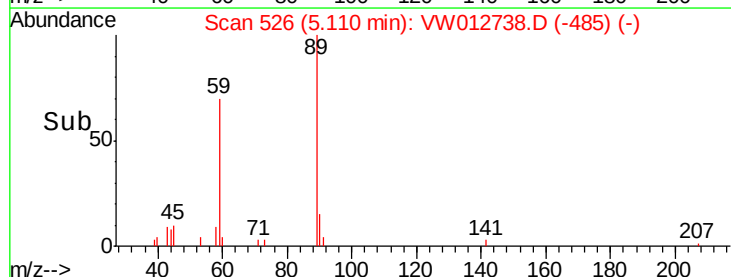
5.11

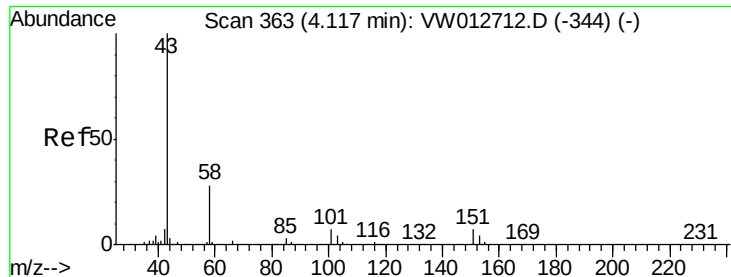
1000

500

0

Time--> 5.00 5.10 5.20





#16

Acetone

Concen: 4.943 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012738.D

Acq: 07 Sep 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

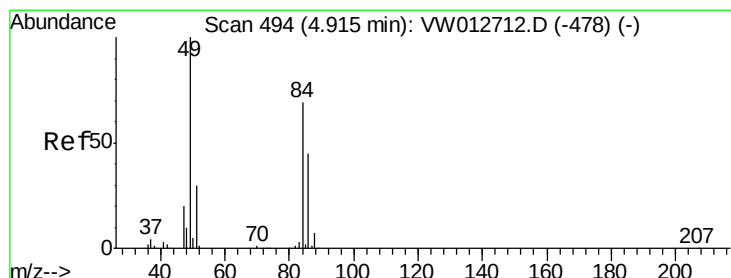
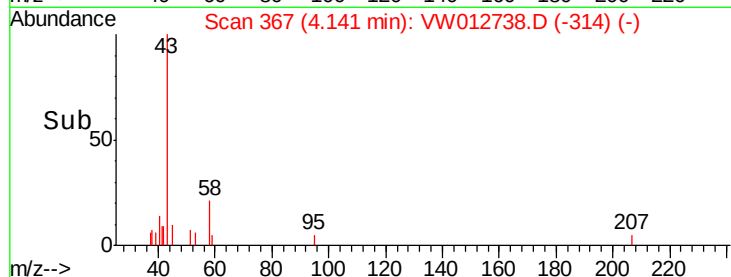
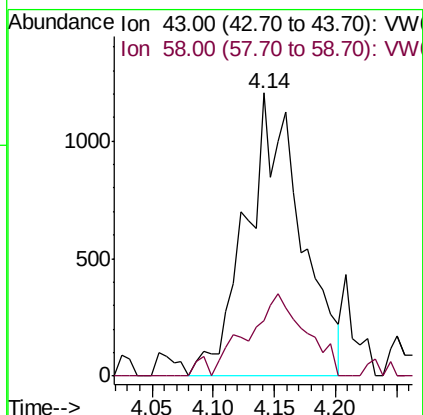
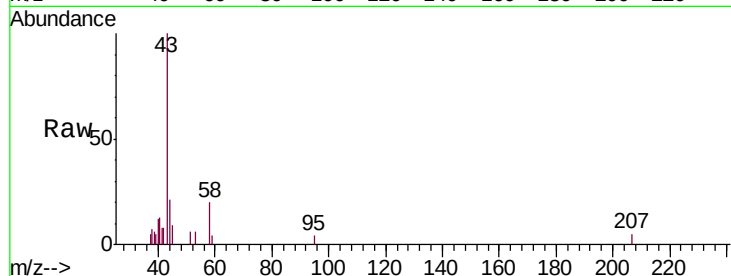
SB-4-(0-2)

Tgt Ion: 43 Resp: 3772

Ion Ratio Lower Upper

43 100

58 19.9 22.6 33.8#



#20

Methylene Chloride

Concen: 4.063 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW012738.D

Acq: 07 Sep 2019 23:21

Tgt Ion: 84 Resp: 9700

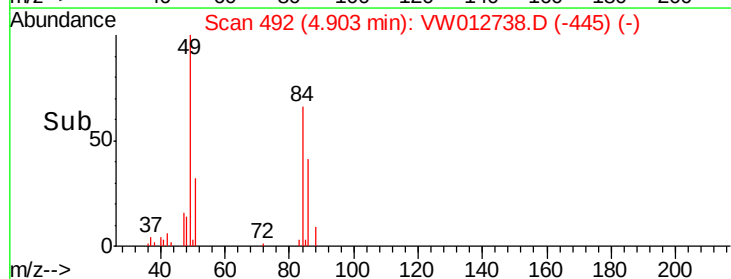
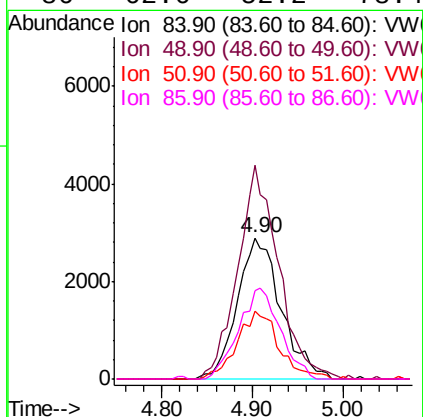
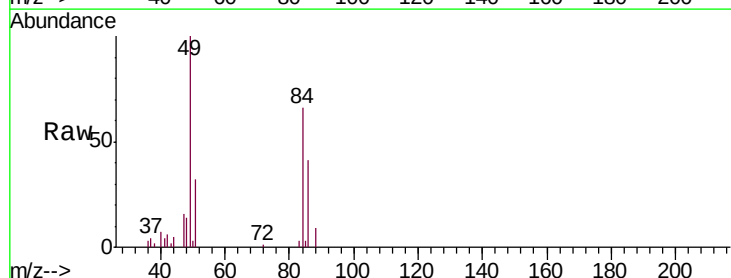
Ion Ratio Lower Upper

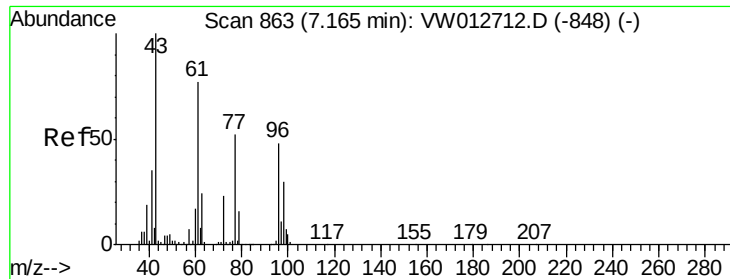
84 100

49 151.0 115.4 173.0

51 48.1 34.9 52.3

86 62.6 52.2 78.4





#25

2-Butanone

Concen: 21.548 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW012738.D

Acq: 07 Sep 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

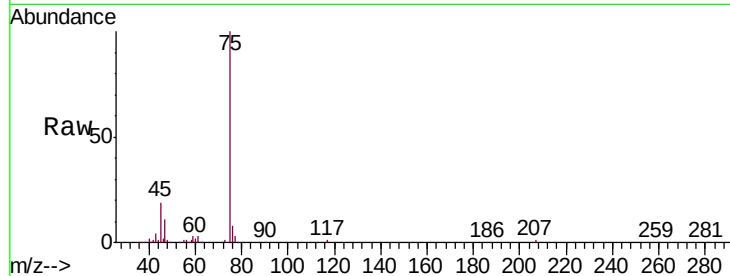
SB-4-(0-2)

Tgt Ion: 43 Resp: 2278

Ion Ratio Lower Upper

43 100

72 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.15

800

600

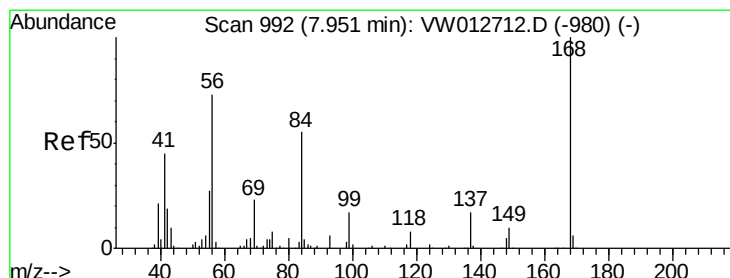
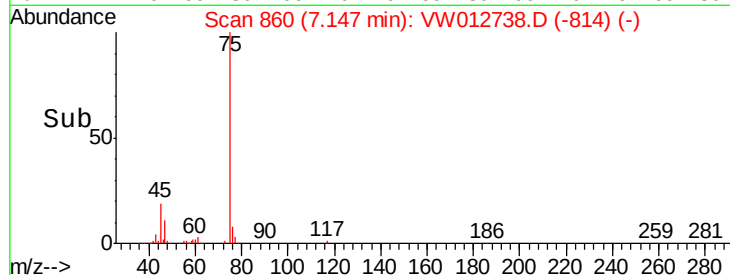
400

200

0

7.05 7.10 7.15 7.20

Time-->



#31

Cyclohexane

Concen: 1.515 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012738.D

Acq: 07 Sep 2019 23:21

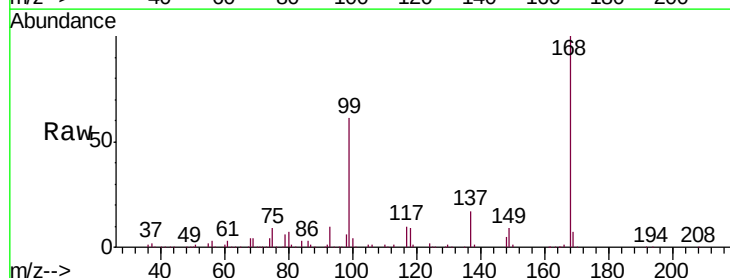
Tgt Ion: 56 Resp: 6232

Ion Ratio Lower Upper

56 100

69 140.1 25.7 38.5#

84 112.0 60.4 90.6#



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

6000

5000

4000

3000

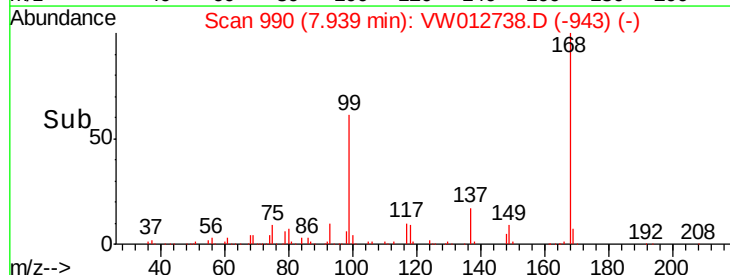
2000

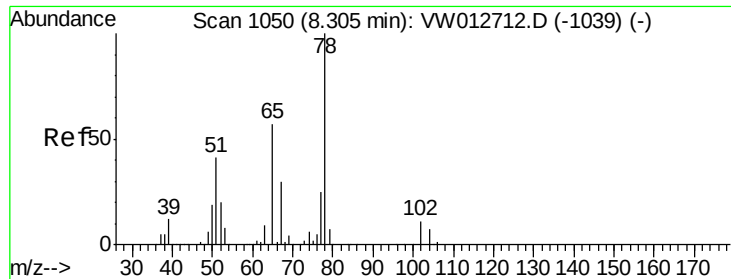
1000

0

7.85 7.90 7.95 8.00

Time-->

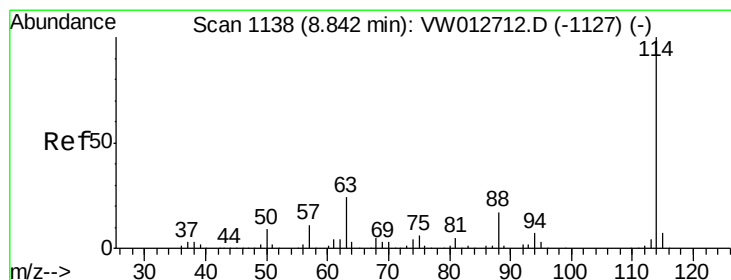
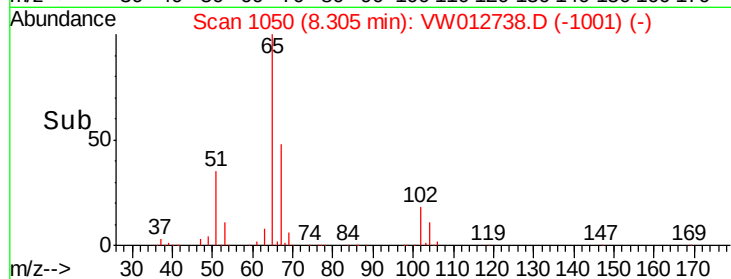
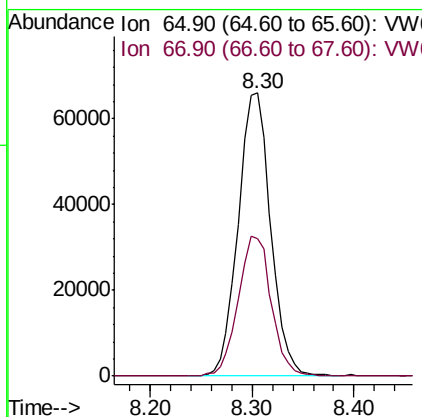
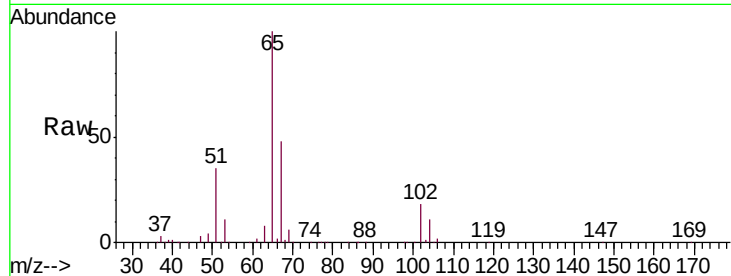




#33
 1,2-Dichloroethane-d4
 Concen: 52.275 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012738.D
 Acq: 07 Sep 2019 23:21

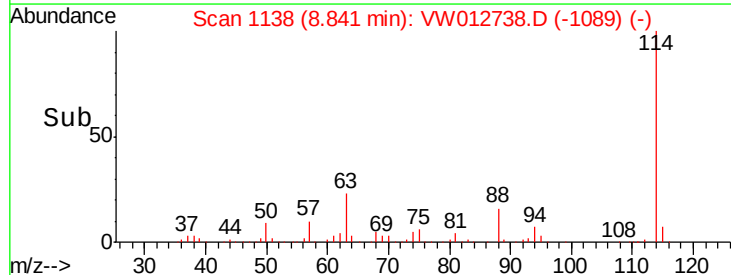
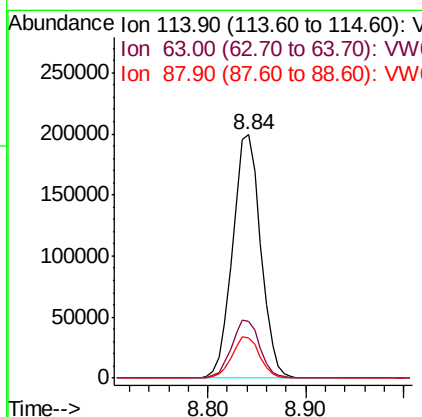
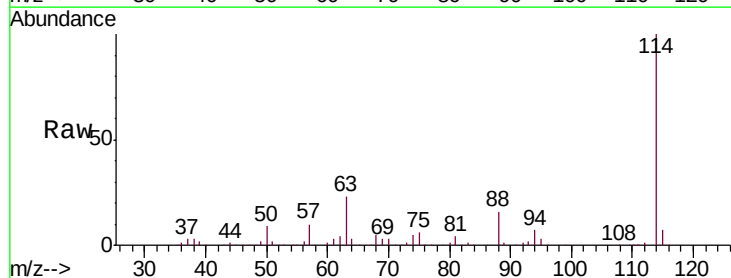
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-4-(0-2)

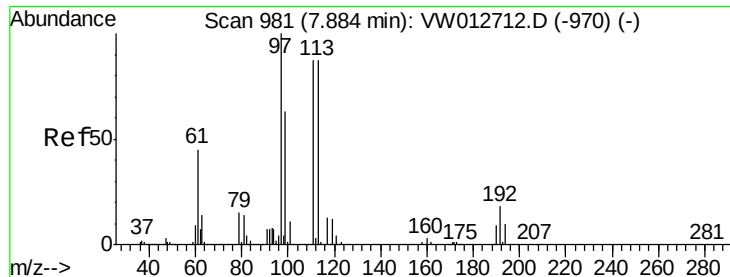
Tgt Ion: 65 Resp: 146330
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012738.D
 Acq: 07 Sep 2019 23:21

Tgt Ion: 114 Resp: 397982
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 47.2
 88 16.4 0.0 34.0

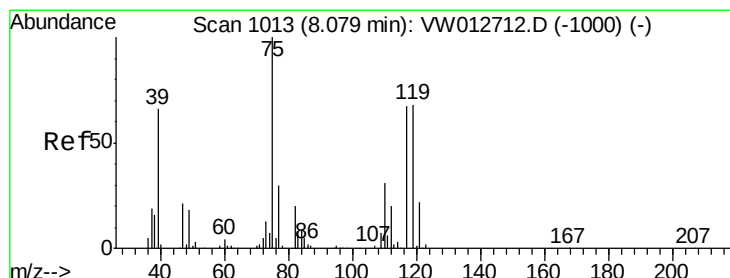
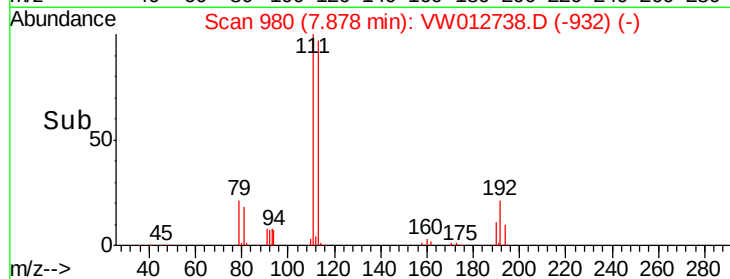
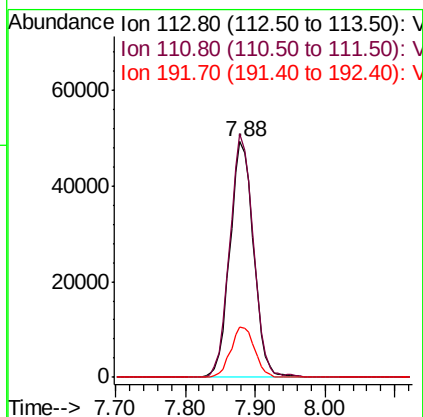
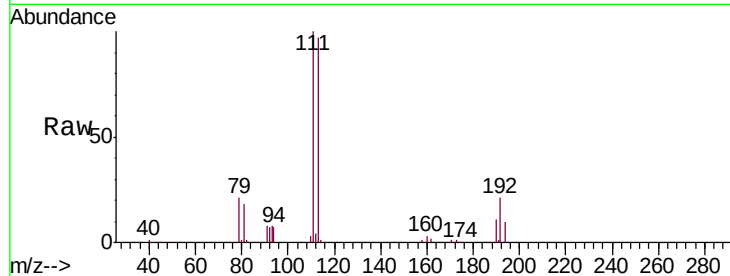




#35
 Dibromofluoromethane
 Concen: 48.933 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012738.D
 Acq: 07 Sep 2019 23:21

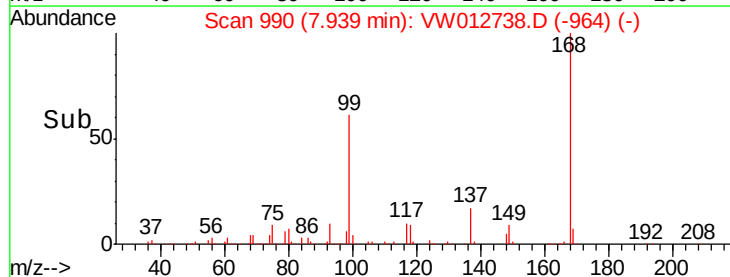
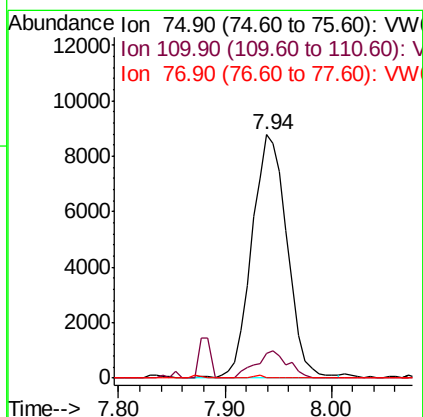
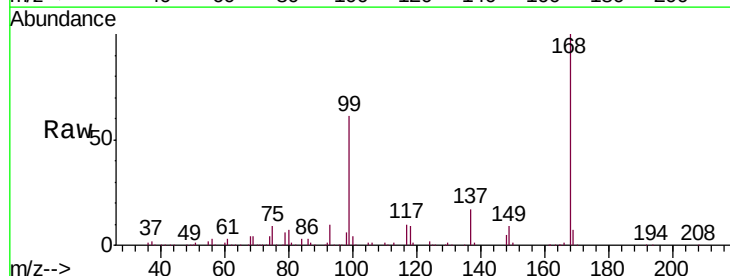
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-4-(0-2)

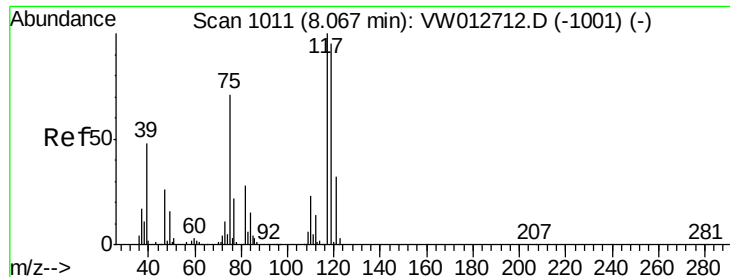
Tgt Ion: 113 Resp: 115780
 Ion Ratio Lower Upper
 113 100
 111 103.4 80.2 120.4
 192 21.6 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 5.750 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012738.D
 Acq: 07 Sep 2019 23:21

Tgt Ion: 75 Resp: 20333
 Ion Ratio Lower Upper
 75 100
 110 10.4 15.9 47.7#
 77 0.3 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 7.064 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012738.D

Acq: 07 Sep 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

SB-4-(0-2)

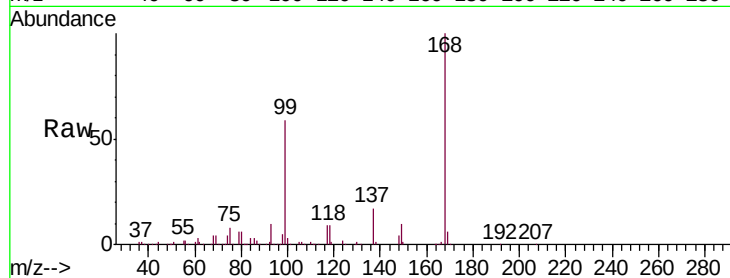
Tgt Ion: 117 Resp: 24623

Ion Ratio Lower Upper

117 100

119 5.7 76.2 114.2#

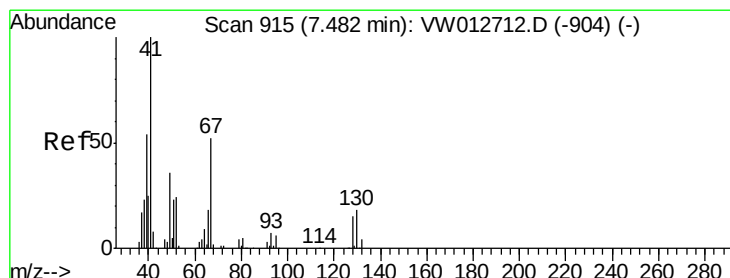
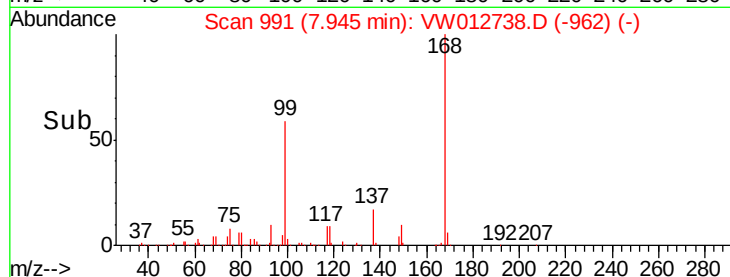
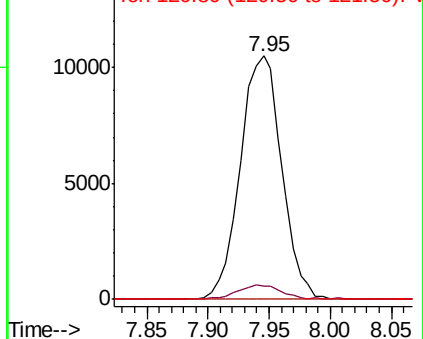
121 0.0 25.4 38.2#



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: 3.896 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW012738.D

Acq: 07 Sep 2019 23:21

Tgt Ion: 41 Resp: 95

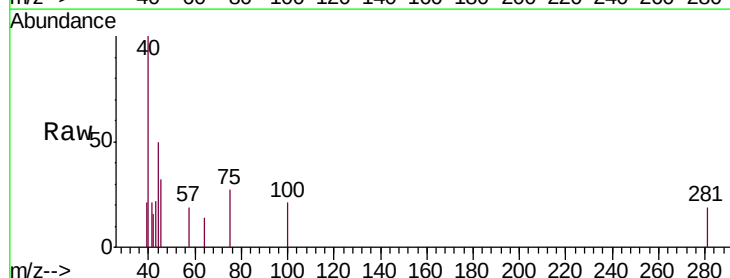
Ion Ratio Lower Upper

41 100

39 131.6 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

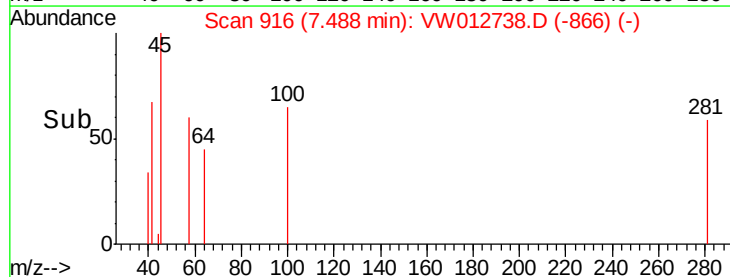
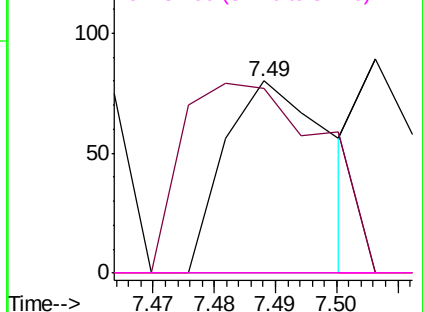


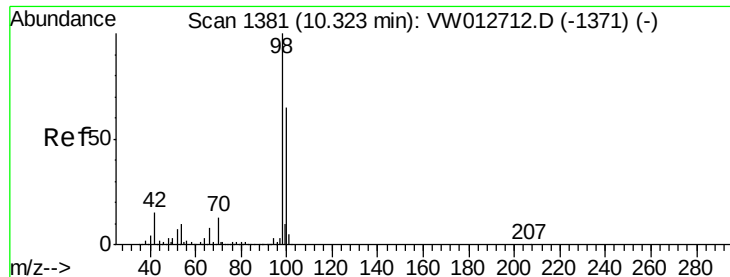
Abundance Ion 41.00 (40.70 to 41.70): VW

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: 48.910 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012738.D

Acq: 07 Sep 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

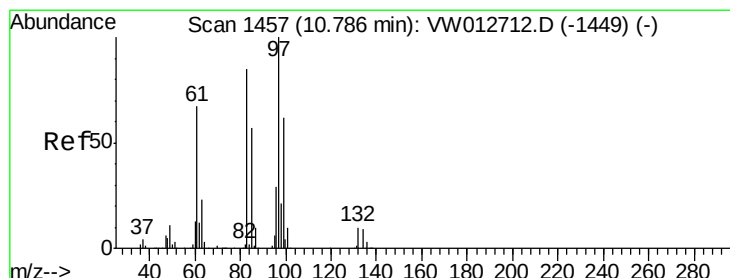
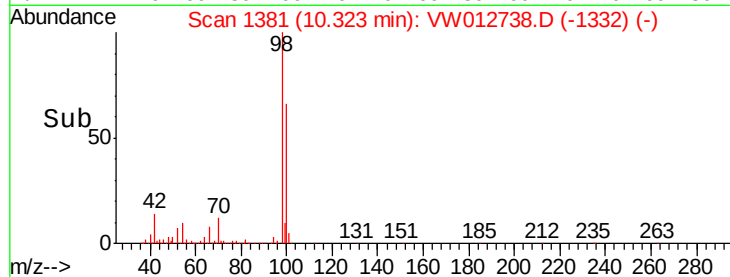
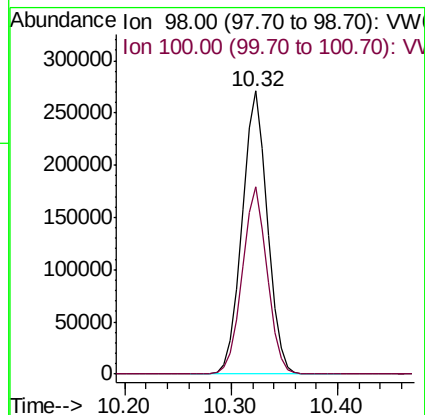
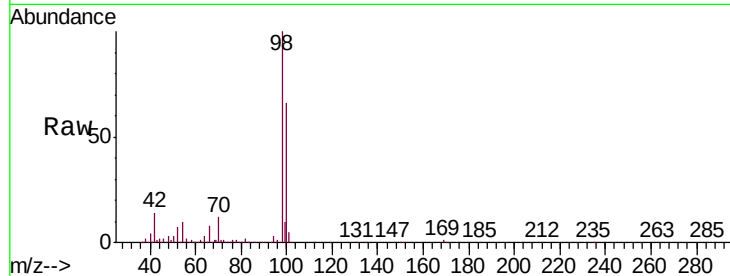
SB-4-(0-2)

Tgt Ion: 98 Resp: 453390

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.4



#55

1,1,2-Trichloroethane

Concen: 1.216 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW012738.D

Acq: 07 Sep 2019 23:21

Tgt Ion: 97 Resp: 2346

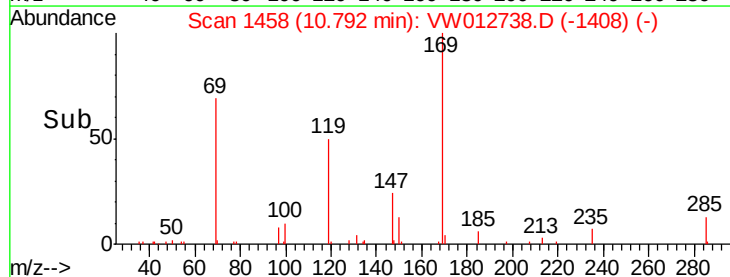
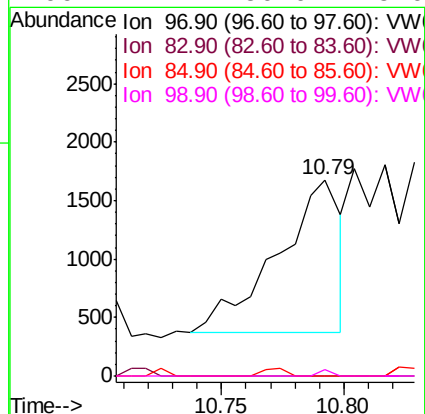
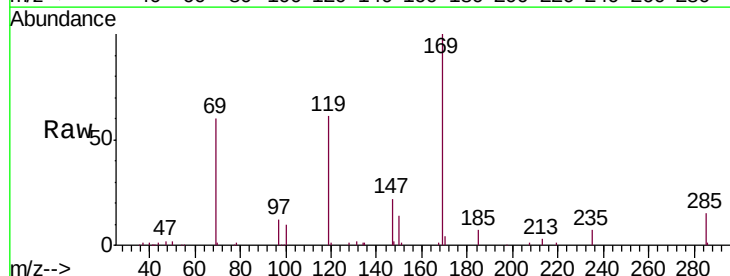
Ion Ratio Lower Upper

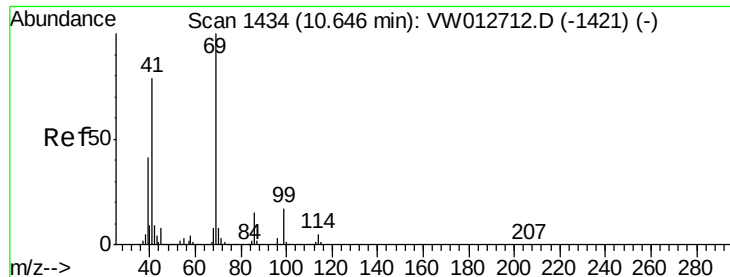
97 100

83 0.0 68.1 102.1#

85 0.0 45.3 67.9#

99 4.4 50.0 75.0#

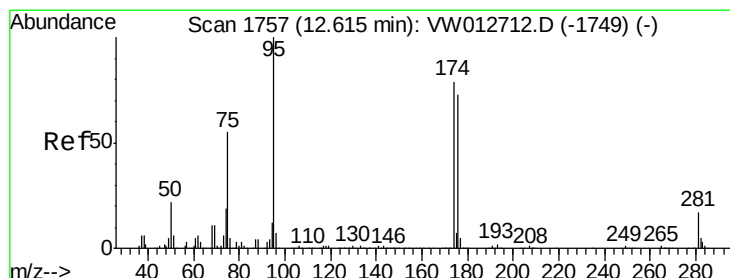
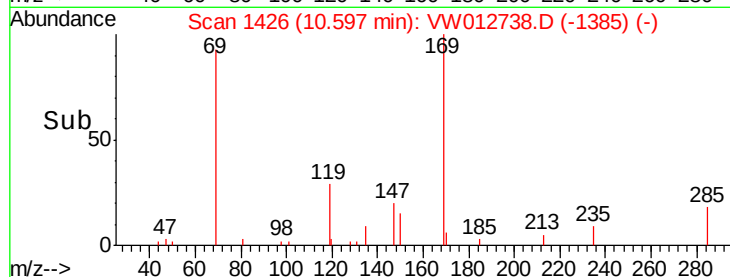
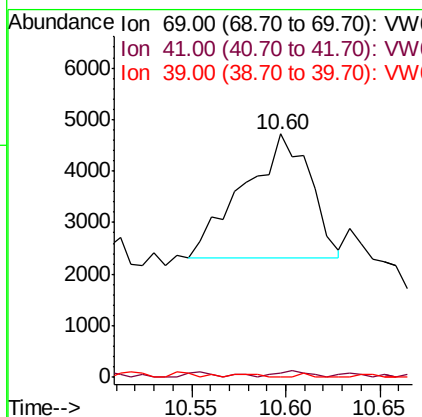
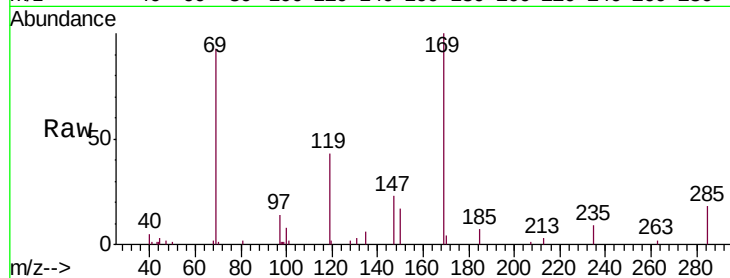




#56
Ethyl methacrylate
Concen: 2.085 ug/l
RT: 10.60 min Scan# 1426
Delta R.T. -0.05 min
Lab File: VW012738.D
Acq: 07 Sep 2019 23:21

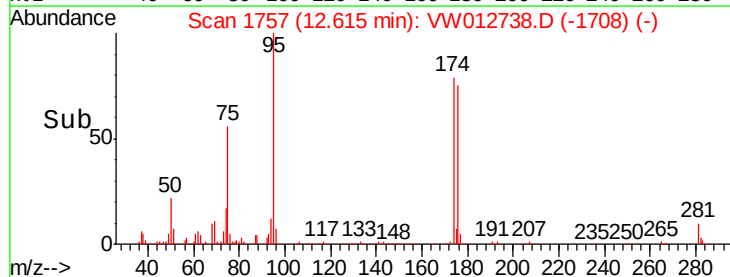
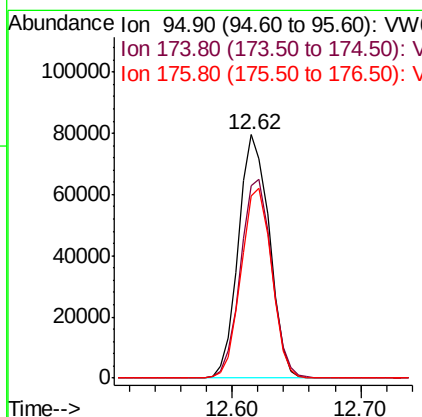
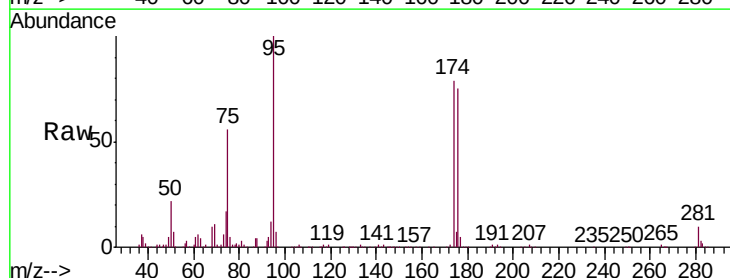
Instrument :
MSVOA_W
ClientSampleId :
SB-4-(0-2)

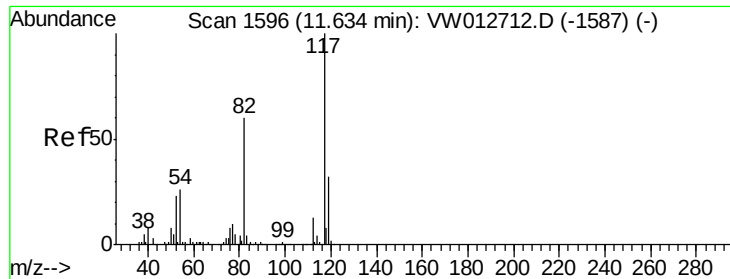
Tgt Ion: 69 Resp: 5889
Ion Ratio Lower Upper
69 100
41 2.7 64.4 96.6#
39 0.5 31.1 46.7#



#62
4-Bromofluorobenzene
Concen: 39.345 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012738.D
Acq: 07 Sep 2019 23:21

Tgt Ion: 95 Resp: 132406
Ion Ratio Lower Upper
95 100
174 82.1 0.0 161.0
176 77.2 0.0 156.4

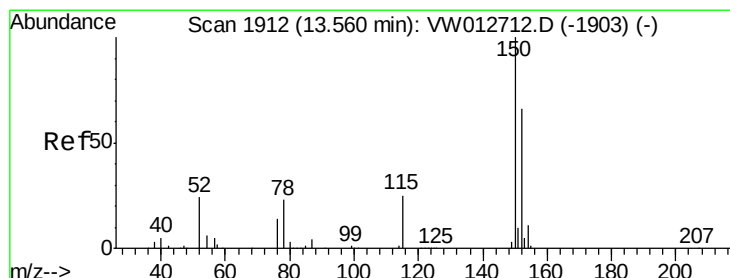
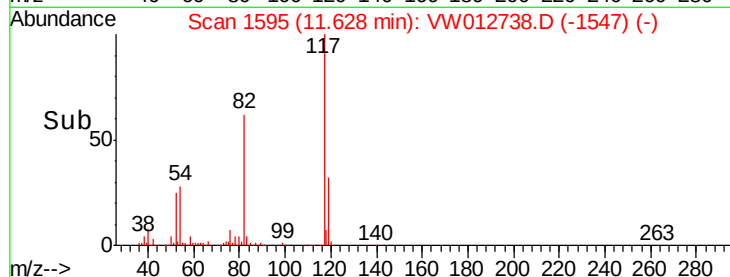
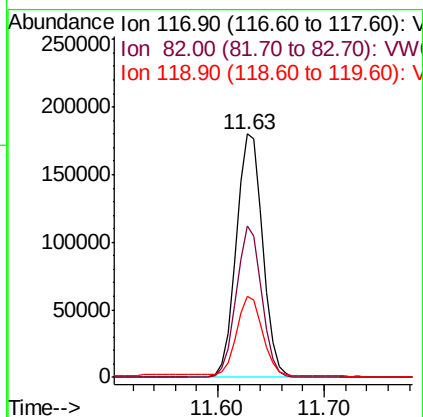
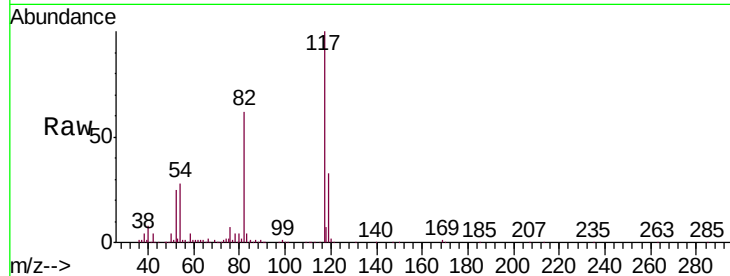




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012738.D
Acq: 07 Sep 2019 23:21

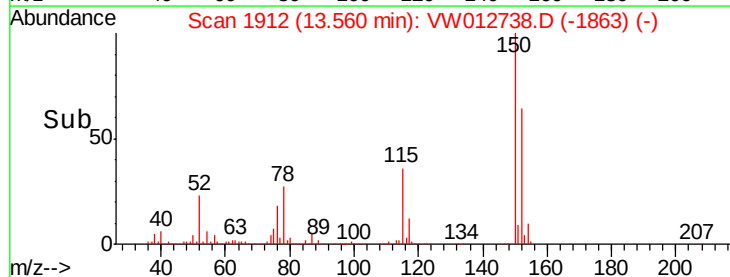
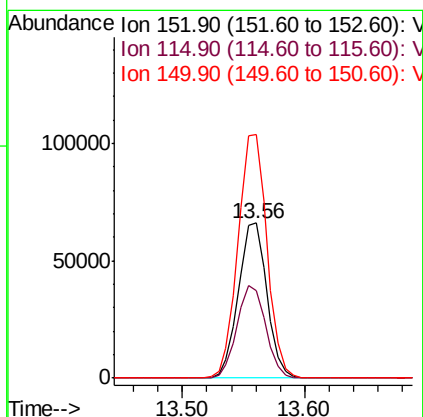
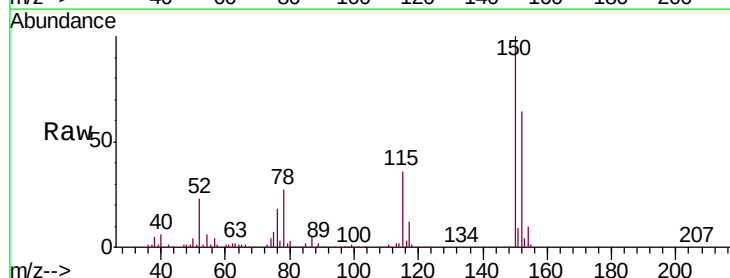
Instrument :
MSVOA_W
ClientSampleId :
SB-4-(0-2)

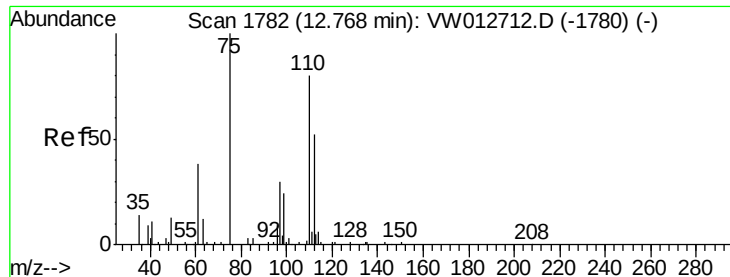
Tgt Ion:117 Resp: 313983
Ion Ratio Lower Upper
117 100
82 62.1 48.2 72.4
119 32.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012738.D
Acq: 07 Sep 2019 23:21

Tgt Ion:152 Resp: 106768
Ion Ratio Lower Upper
152 100
115 59.8 30.0 90.1
150 159.6 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 67.044 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012738.D

Acq: 07 Sep 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

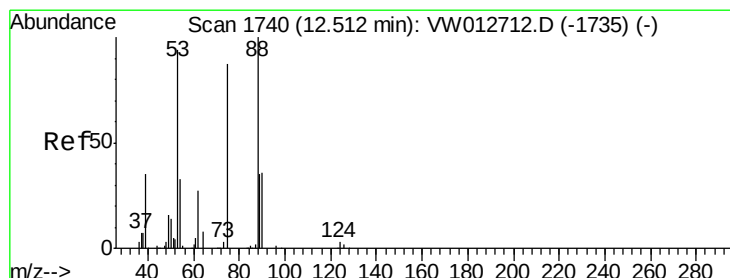
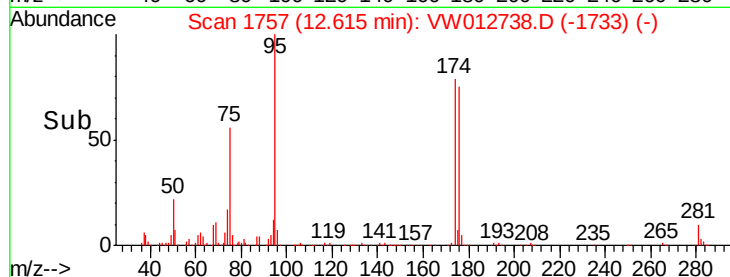
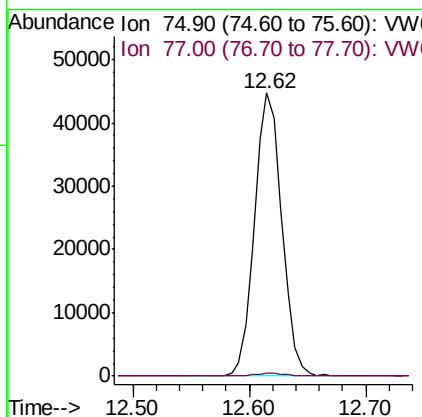
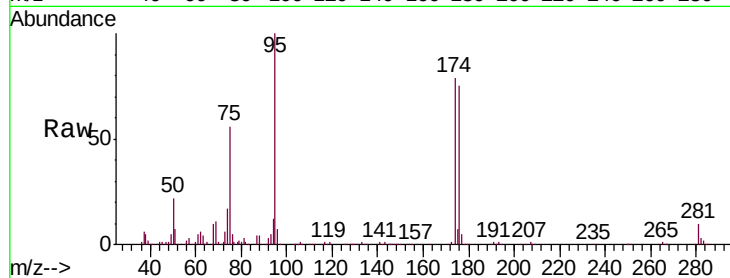
SB-4-(0-2)

Tgt Ion: 75 Resp: 73195

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 141.802 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012738.D

Acq: 07 Sep 2019 23:21

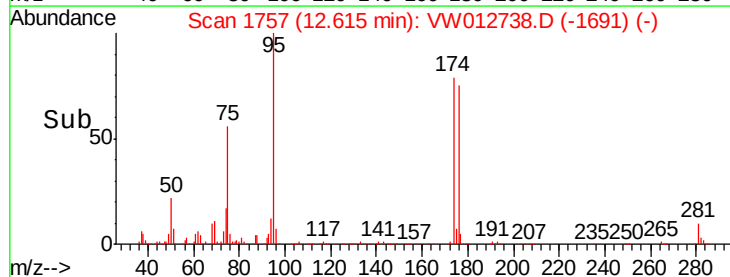
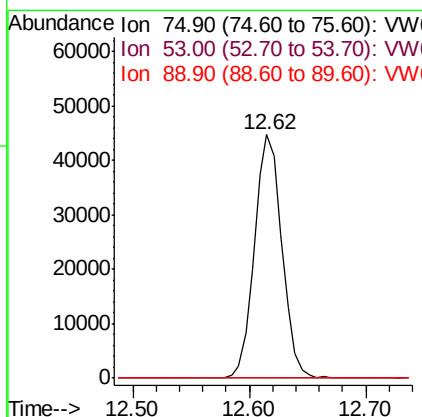
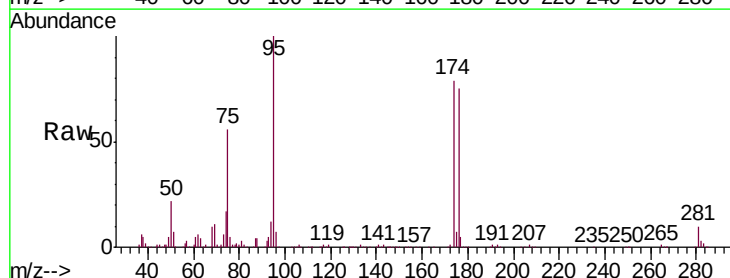
Tgt Ion: 75 Resp: 73195

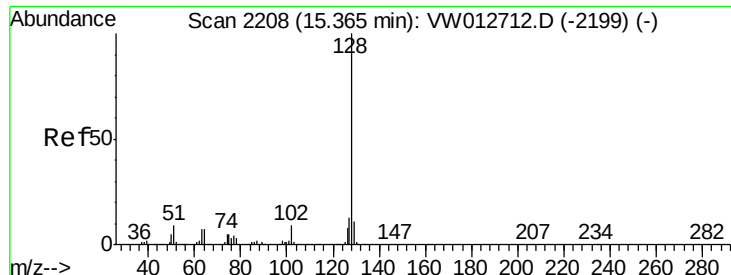
Ion Ratio Lower Upper

75 100

53 0.1 87.6 131.4#

89 0.0 35.5 53.3#

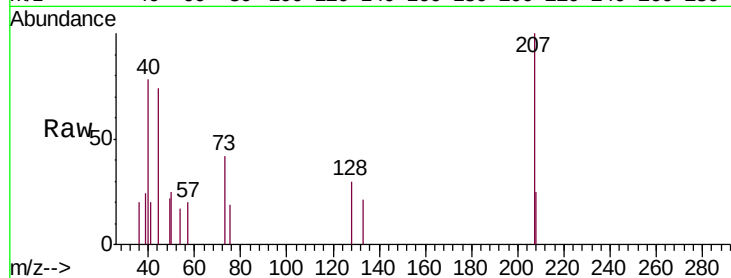




#95
 Naphthalene
 Concen: 4.455 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW012738.D
 Acq: 07 Sep 2019 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-4-(0-2)

Tgt 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

