

Data File : VW012726.D
Acq On : 07 Sep 2019 18:12
Operator : SY/VA
Sample : K4554-21
Misc : 5.18G/5ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-9-(0-2)

Quant Time: Sep 08 05:13:06 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	242457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	371901	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	302132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	130583	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	146372	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	
35) Dibromofluoromethane	7.88	113	112316	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
50) Toluene-d8	10.32	98	443739	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.62	95	139216	44.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.54%	

Target Compounds

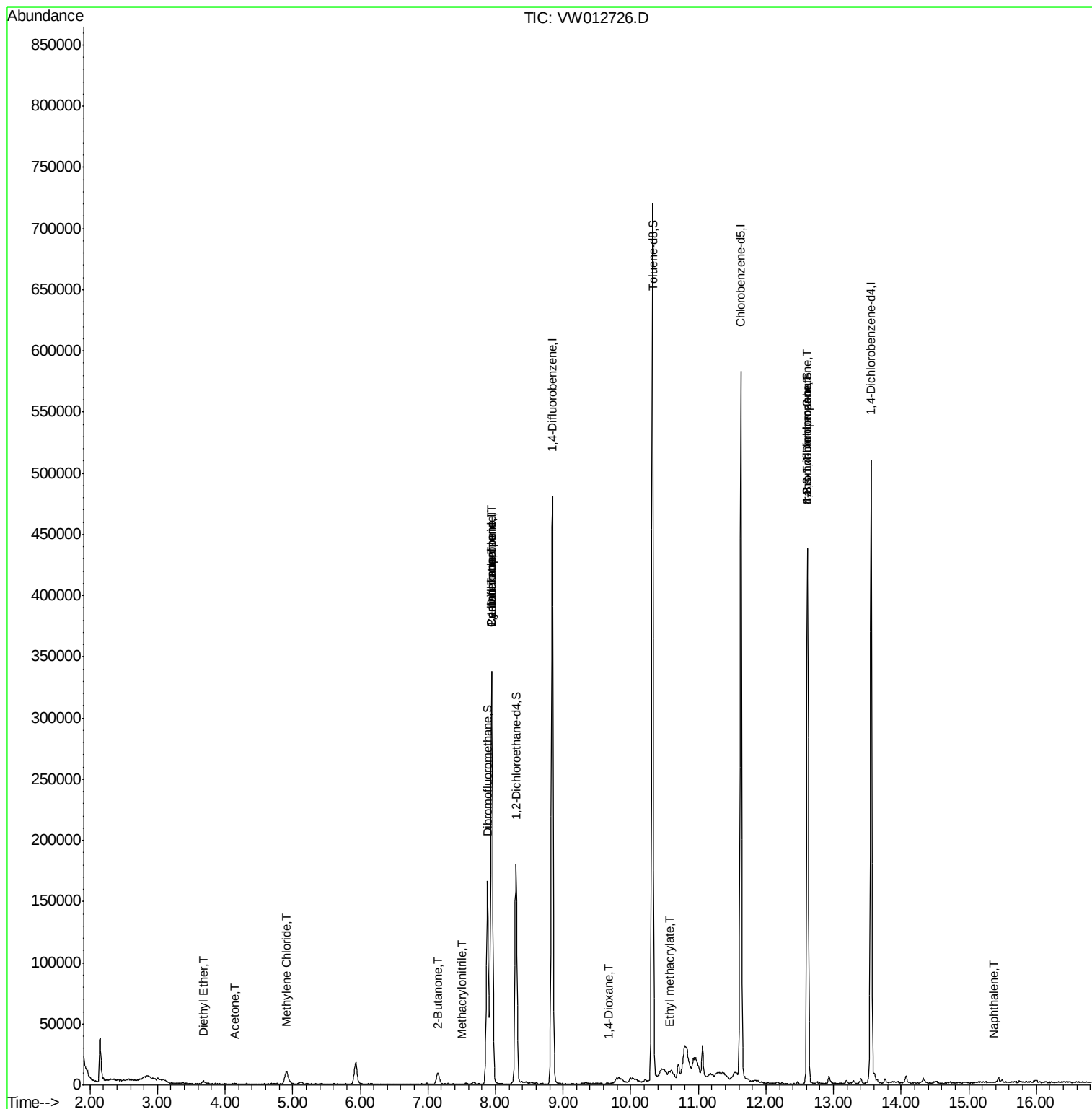
						Qvalue
8) Diethyl Ether	3.68	74	1176	1.035	ug/l	85
16) Acetone	4.15	43	931	1.261	ug/l #	86
20) Methylene Chloride	4.92	84	7397	3.201	ug/l #	81
25) 2-Butanone	7.15	43	588	20.178	ug/l #	53
31) Cyclohexane	7.95	56	5964	1.498	ug/l #	5
36) 1,1-Dichloropropene	7.94	75	19966	6.042	ug/l #	50
38) Carbon Tetrachloride	7.95	117	24513	7.525	ug/l #	17
41) Methacrylonitrile	7.50	41	108	3.908	ug/l #	27
49) 1,4-Dioxane	9.67	88	31	1.303	ug/l #	1
56) Ethyl methacrylate	10.58	69	3026	1.147	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	76034	56.943	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76034	120.438	ug/l #	6
95) Naphthalene	15.36	128	286	4.487	ug/l #	69

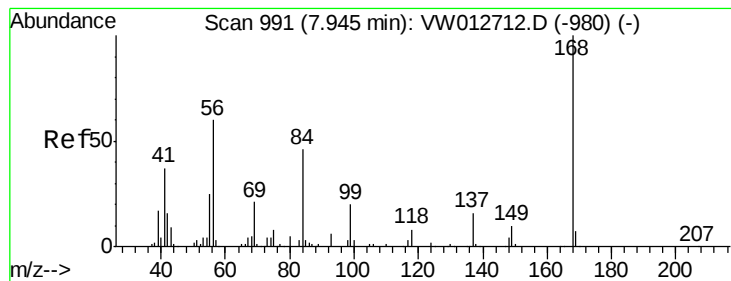
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012726.D

Acq: 07 Sep 2019 18:12

Instrument :

MSVOA_W

ClientSampleId :

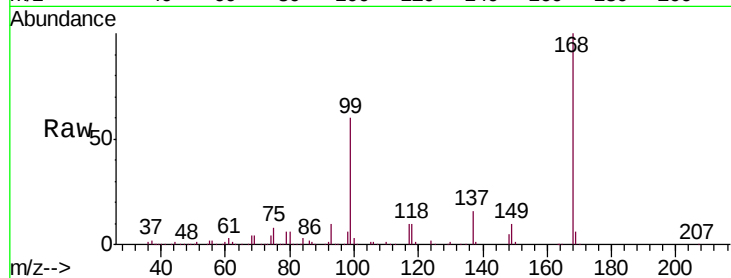
SB-9-(0-2)

Tgt Ion:168 Resp: 242457

Ion Ratio Lower Upper

168 100

99 59.9 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

120000

100000

80000

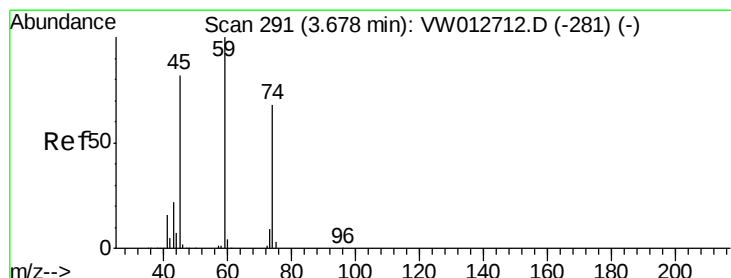
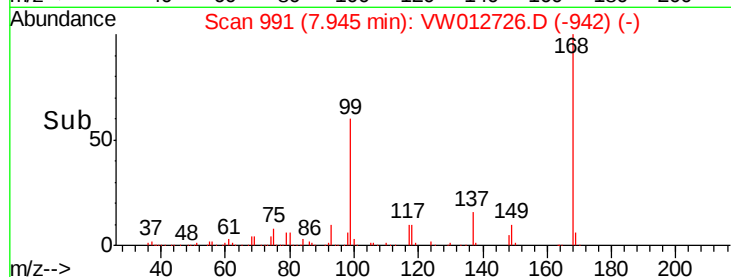
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.035 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012726.D

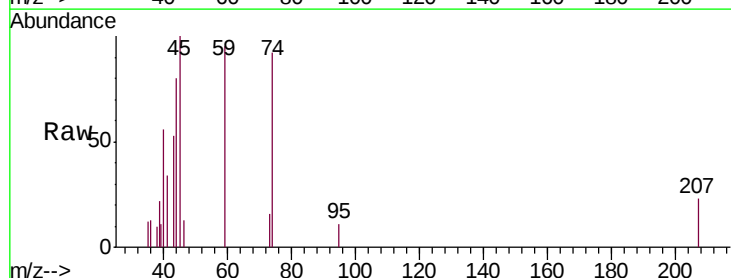
Acq: 07 Sep 2019 18:12

Tgt Ion: 74 Resp: 1176

Ion Ratio Lower Upper

74 100

45 134.1 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

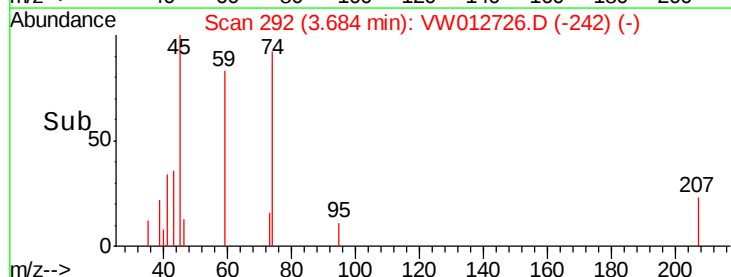
600

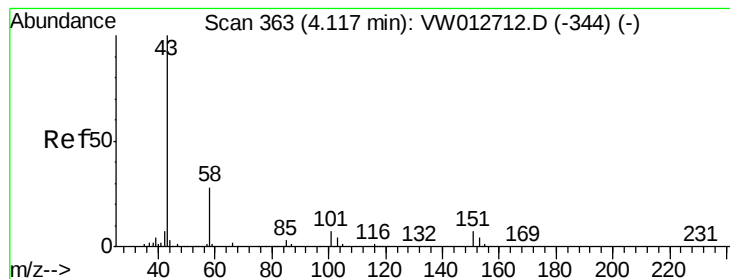
400

200

0

Time--> 3.60 3.65 3.70 3.75





#16

Acetone

Concen: 1.261 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW012726.D

Acq: 07 Sep 2019 18:12

Instrument :

MSVOA_W

ClientSampleId :

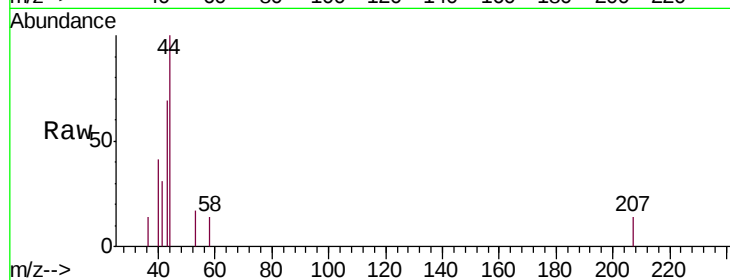
SB-9-(0-2)

Tgt Ion: 43 Resp: 931

Ion Ratio Lower Upper

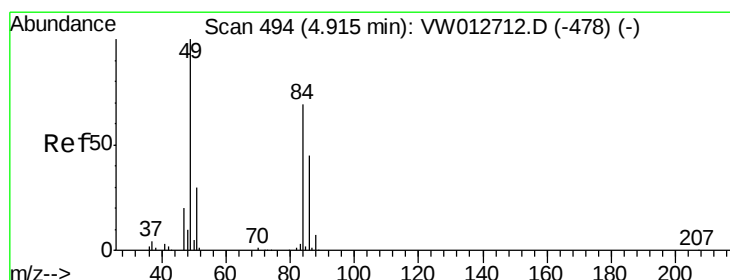
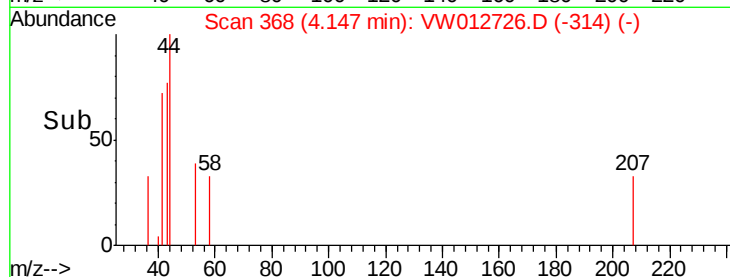
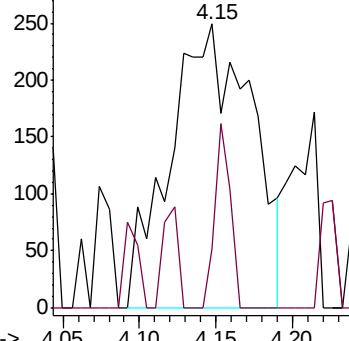
43 100

58 20.9 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 3.201 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW012726.D

Acq: 07 Sep 2019 18:12

Tgt Ion: 84 Resp: 7397

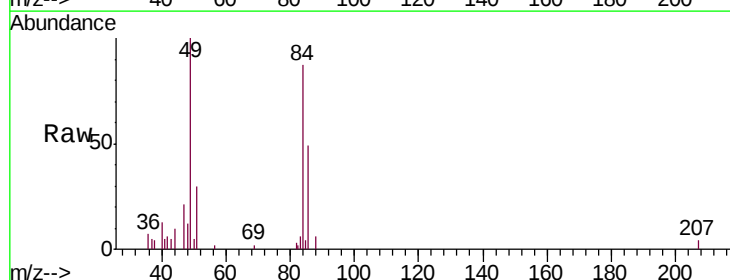
Ion Ratio Lower Upper

84 100

49 114.6 115.4 173.0#

51 34.7 34.9 52.3#

86 56.5 52.2 78.4

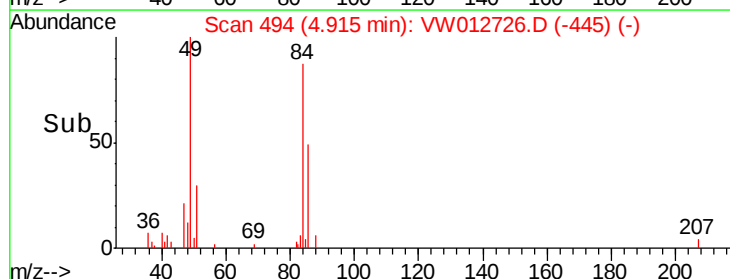
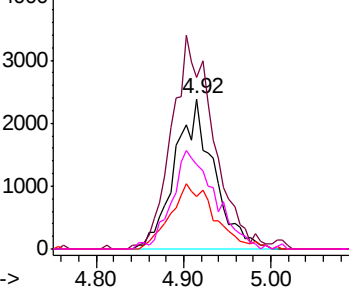


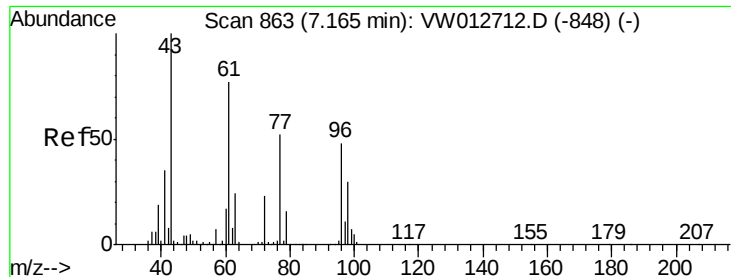
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 20.178 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW012726.D

Acq: 07 Sep 2019 18:12

Instrument :

MSVOA_W

ClientSampled :

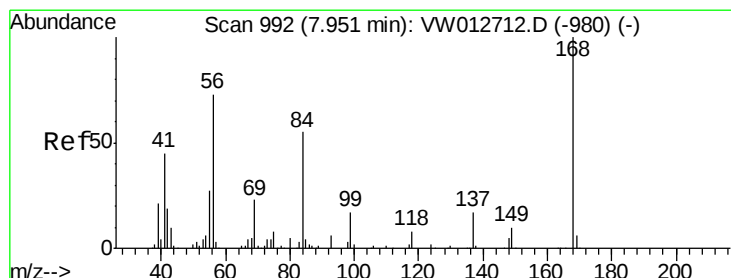
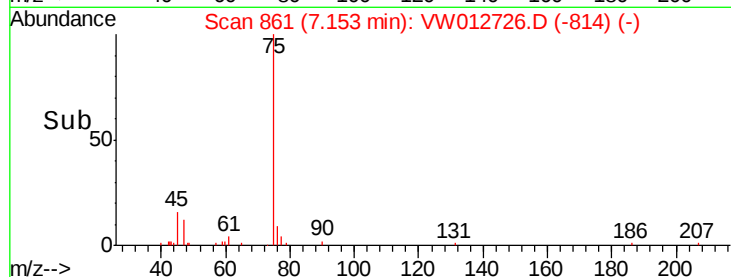
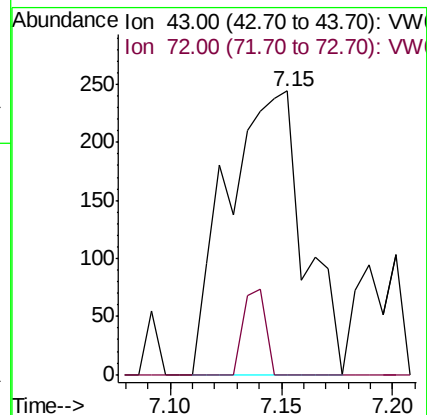
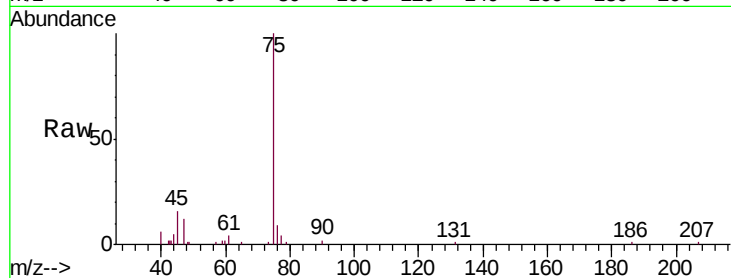
SB-9-(0-2)

Tgt Ion: 43 Resp: 588

Ion Ratio Lower Upper

43 100

72 0.0 18.0 27.0#



#31

Cyclohexane

Concen: 1.498 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012726.D

Acq: 07 Sep 2019 18:12

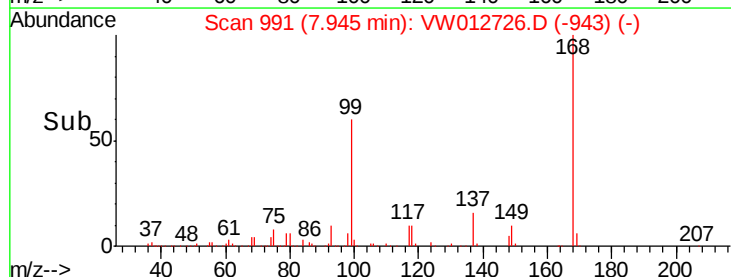
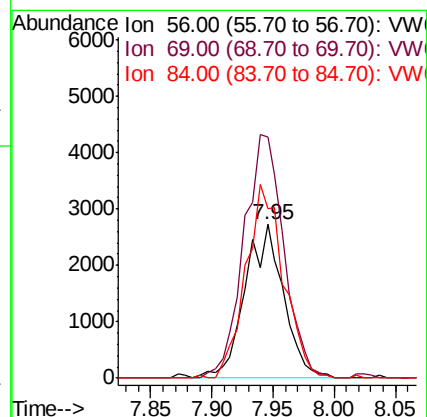
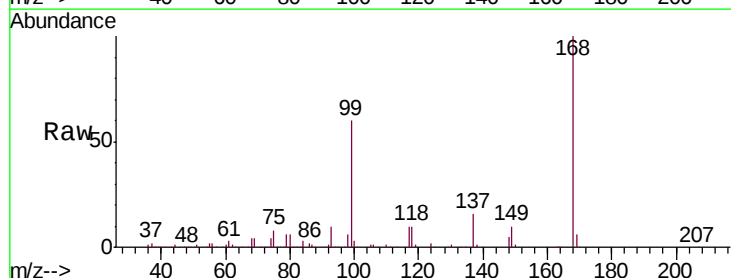
Tgt Ion: 56 Resp: 5964

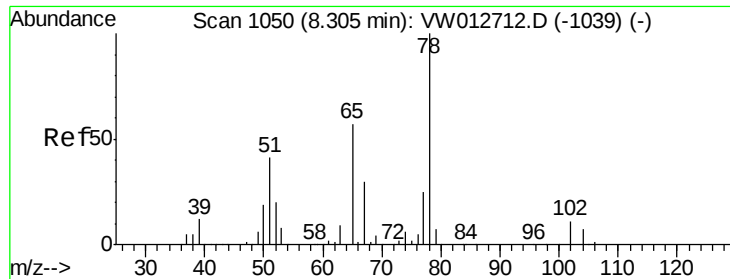
Ion Ratio Lower Upper

56 100

69 156.5 25.7 38.5#

84 109.8 60.4 90.6#

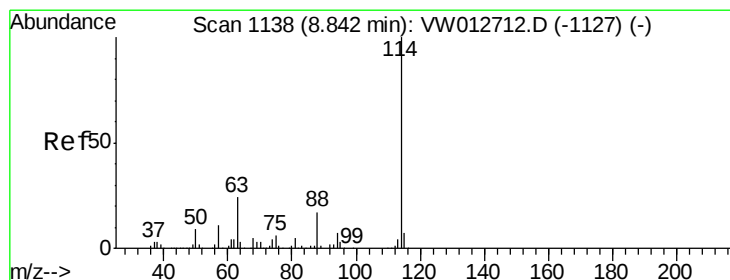
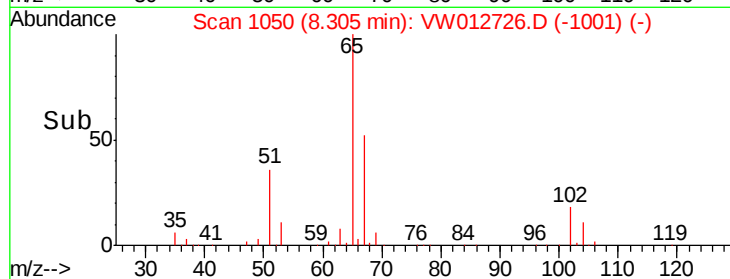
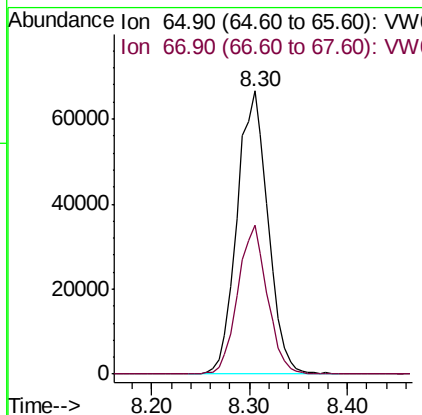
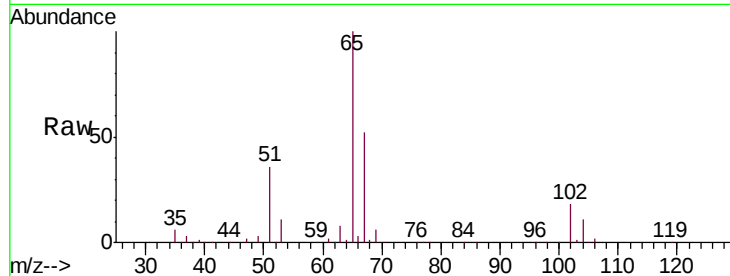




#33
 1,2-Dichloroethane-d4
 Concen: 54.031 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012726.D
 Acq: 07 Sep 2019 18:12

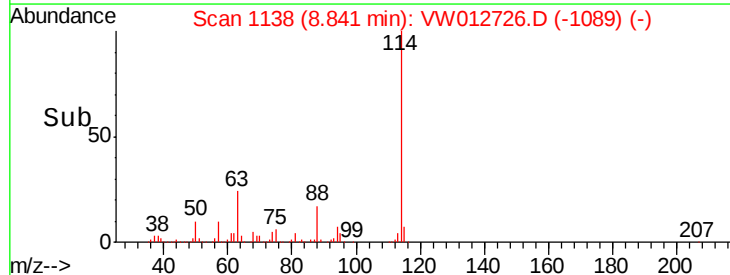
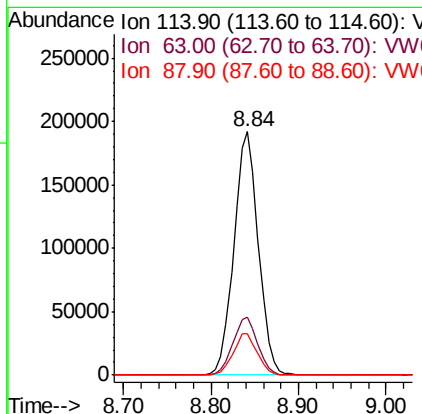
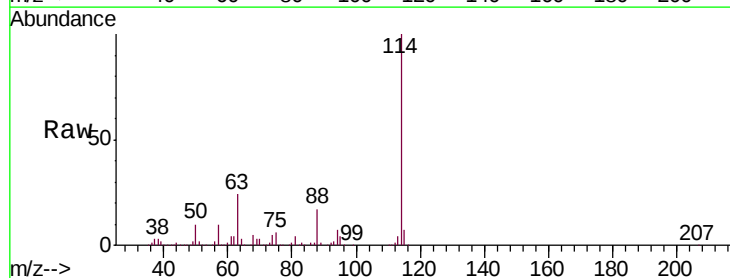
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-9-(0-2)

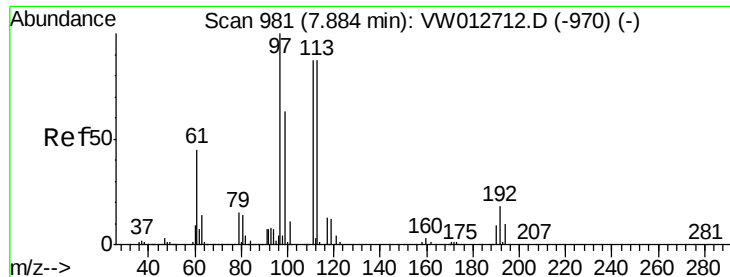
Tgt Ion: 65 Resp: 146372
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012726.D
 Acq: 07 Sep 2019 18:12

Tgt Ion: 114 Resp: 371901
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 47.2
 88 17.0 0.0 34.0

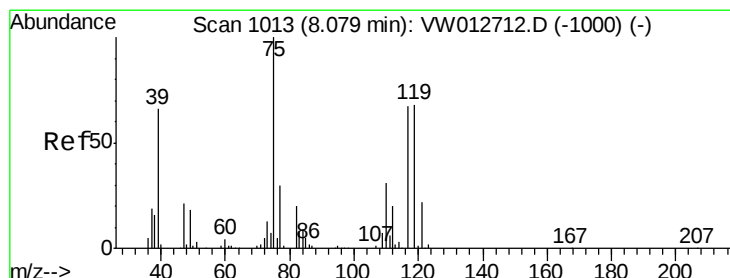
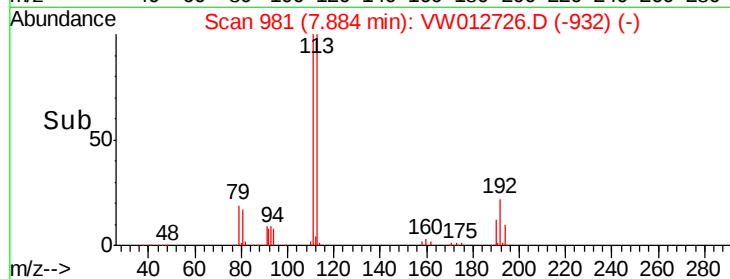
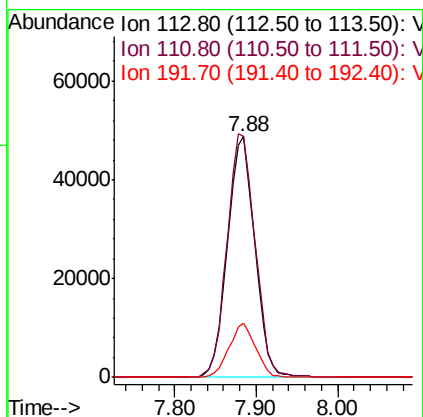
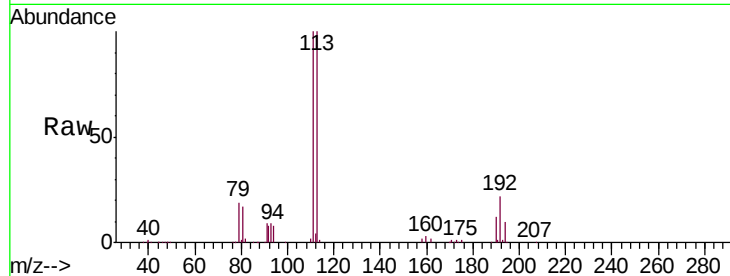




#35
 Dibromofluoromethane
 Concen: 50.797 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012726.D
 Acq: 07 Sep 2019 18:12

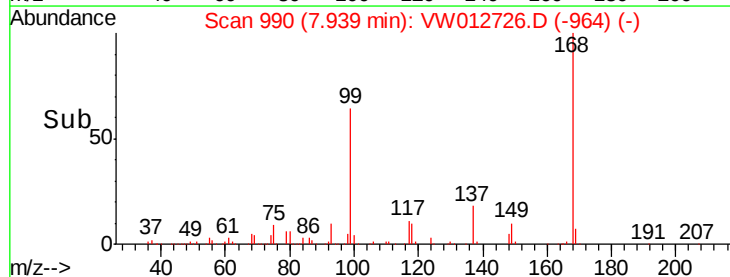
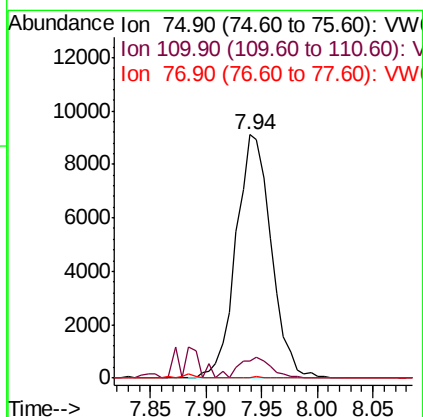
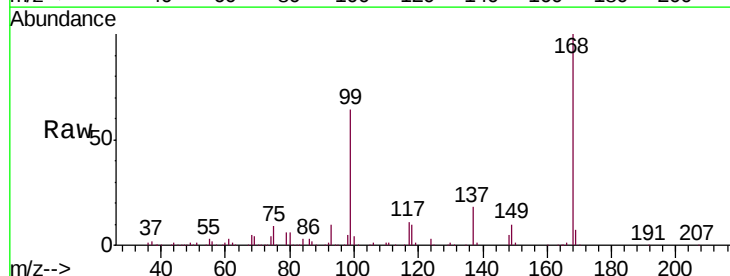
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-9-(0-2)

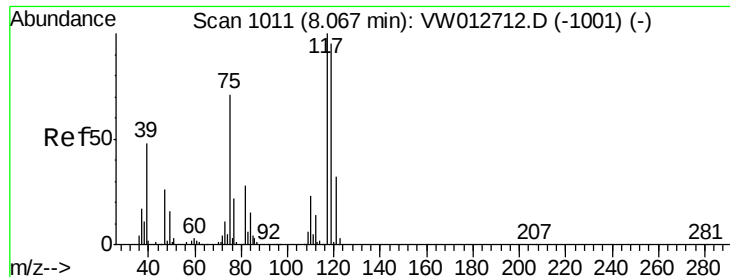
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.0	80.2	120.4
192	21.7	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 6.042 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012726.D
 Acq: 07 Sep 2019 18:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	15.9	47.7#
77	0.1	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 7.525 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012726.D

Acq: 07 Sep 2019 18:12

Instrument :

MSVOA_W

ClientSampleId :

SB-9-(0-2)

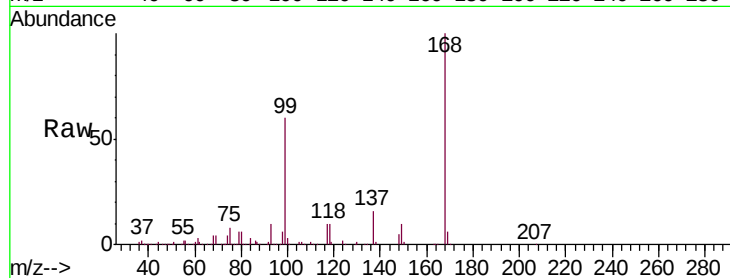
Tgt Ion:117 Resp: 24513

Ion Ratio Lower Upper

117 100

119 5.7 76.2 114.2#

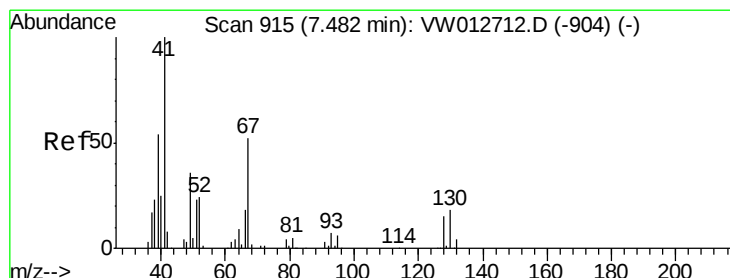
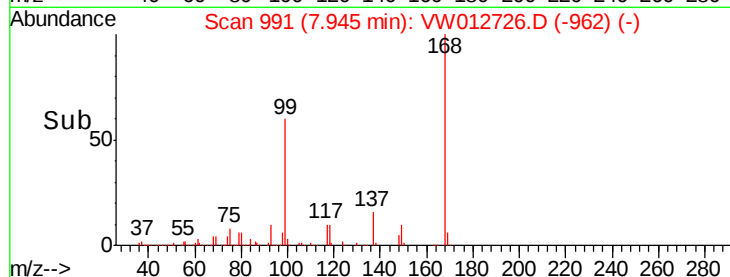
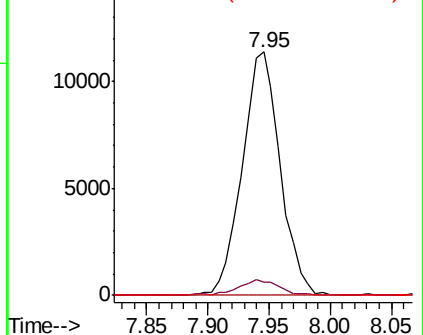
121 0.0 25.4 38.2#



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: 3.908 ug/l

RT: 7.50 min Scan# 918

Delta R.T. 0.02 min

Lab File: VW012726.D

Acq: 07 Sep 2019 18:12

Tgt Ion: 41 Resp: 108

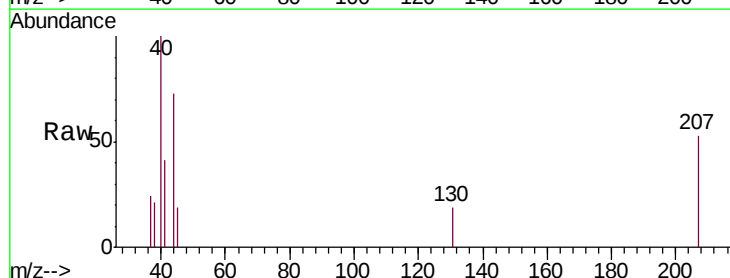
Ion Ratio Lower Upper

41 100

39 0.0 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

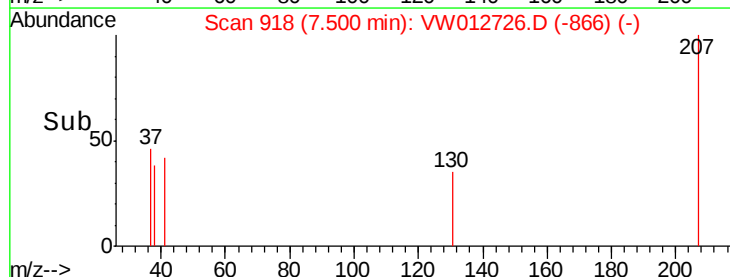
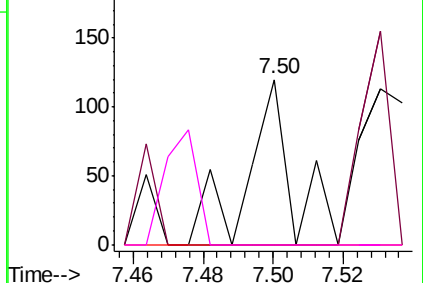


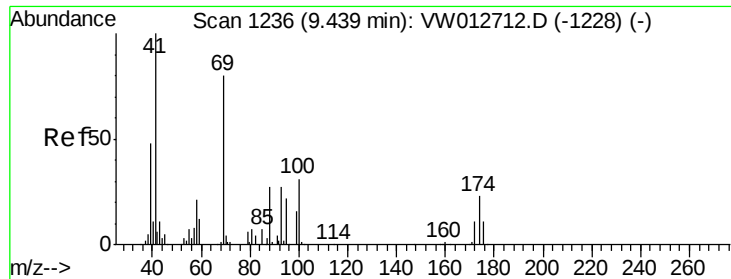
Abundance Ion 41.00 (40.70 to 41.70): VW

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

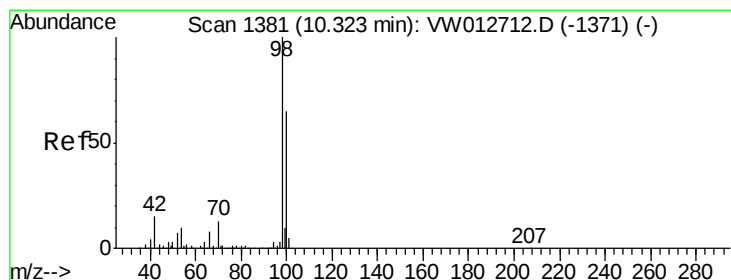
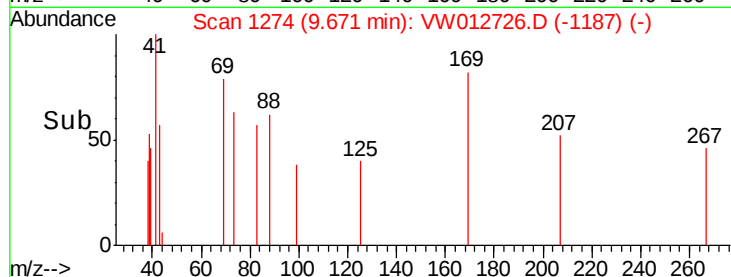
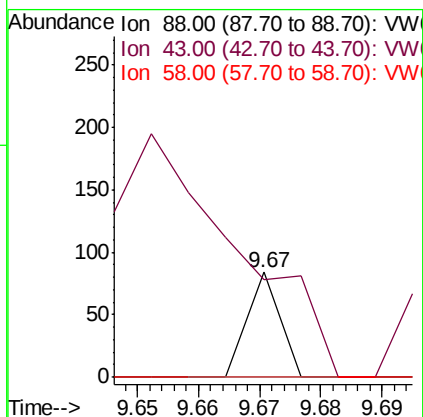
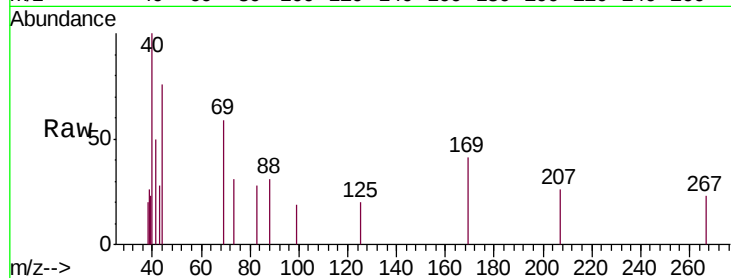




#49
1,4-Dioxane
Concen: 1.303 ug/l
RT: 9.67 min Scan# 1274
Delta R.T. 0.23 min
Lab File: VW012726.D
Acq: 07 Sep 2019 18:12

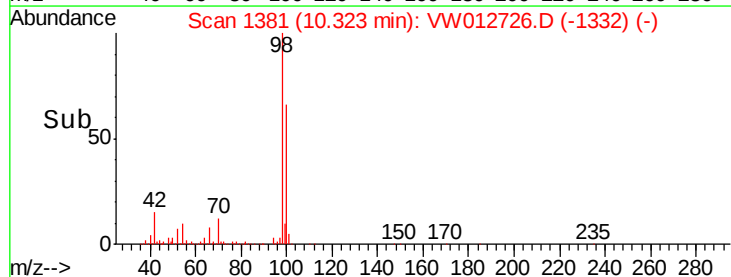
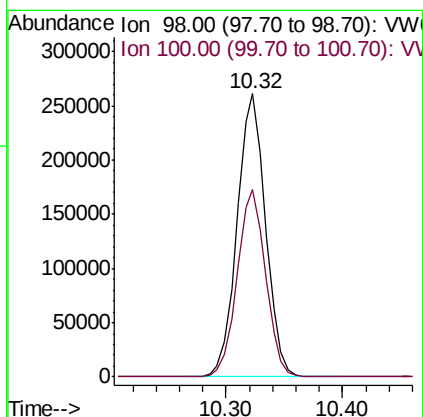
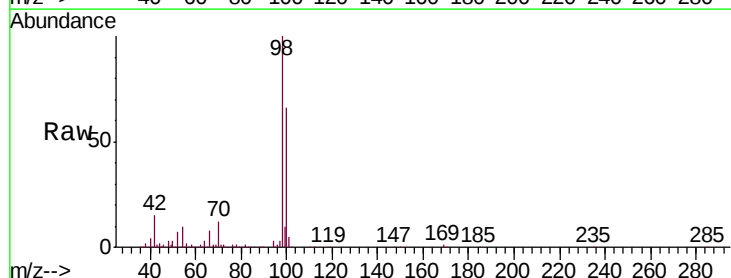
Instrument :
MSVOA_W
ClientSampled :
SB-9-(0-2)

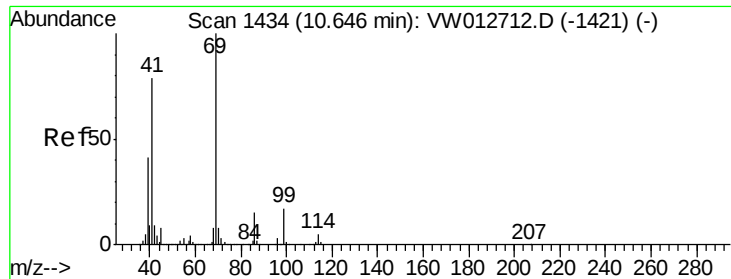
Tgt Ion: 88 Resp: 31
Ion Ratio Lower Upper
88 100
43 1138.7 34.8 52.2#
58 0.0 64.1 96.1#



#50
Toluene-d8
Concen: 51.226 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012726.D
Acq: 07 Sep 2019 18:12

Tgt Ion: 98 Resp: 443739
Ion Ratio Lower Upper
98 100
100 66.1 52.2 78.4

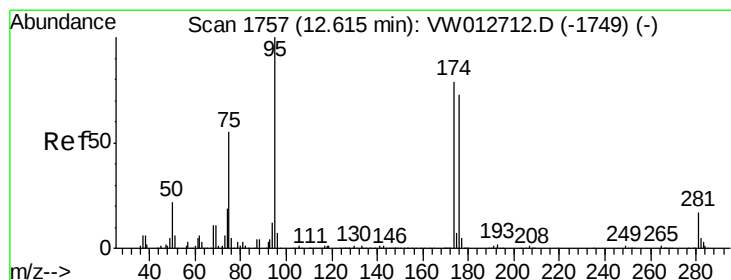
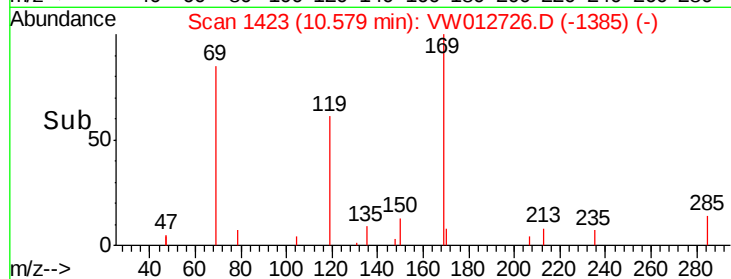
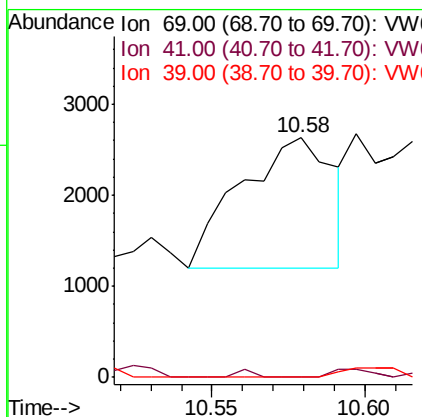
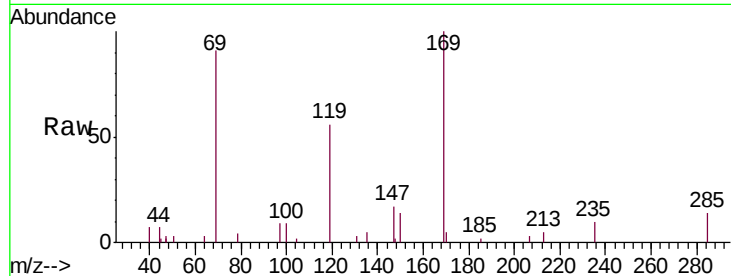




#56
Ethyl methacrylate
Concen: 1.147 ug/l
RT: 10.58 min Scan# 1423
Delta R.T. -0.07 min
Lab File: VW012726.D
Acq: 07 Sep 2019 18:12

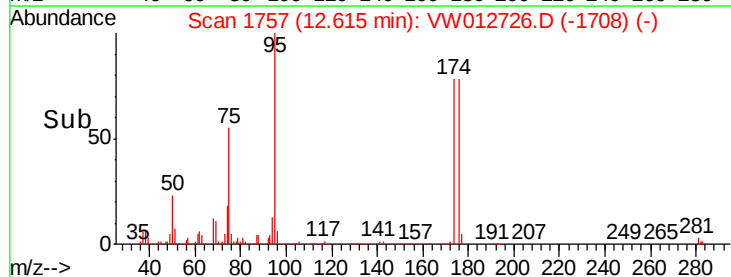
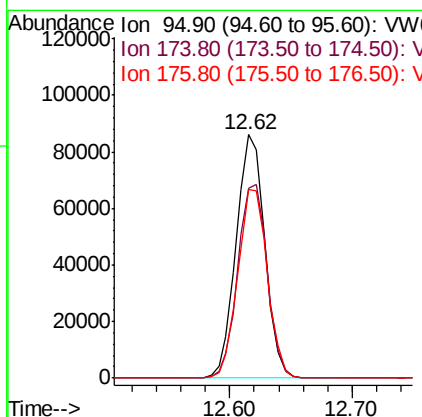
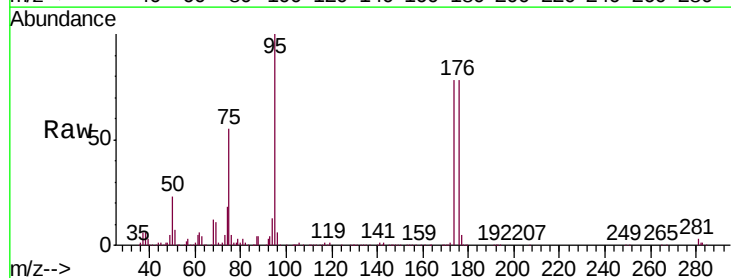
Instrument :
MSVOA_W
ClientSampleId :
SB-9-(0-2)

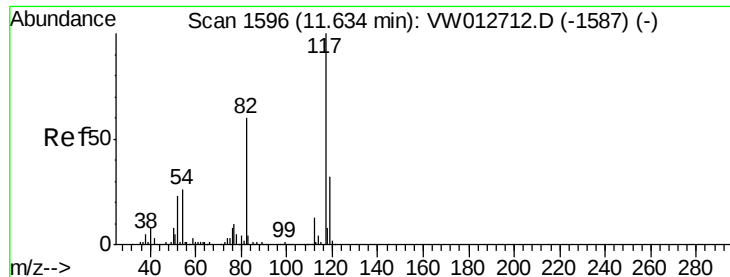
Tgt Ion: 69 Resp: 3026
Ion Ratio Lower Upper
69 100
41 1.0 64.4 96.6#
39 0.0 31.1 46.7#



#62
4-Bromofluorobenzene
Concen: 44.270 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012726.D
Acq: 07 Sep 2019 18:12

Tgt Ion: 95 Resp: 139216
Ion Ratio Lower Upper
95 100
174 82.2 0.0 161.0
176 80.2 0.0 156.4

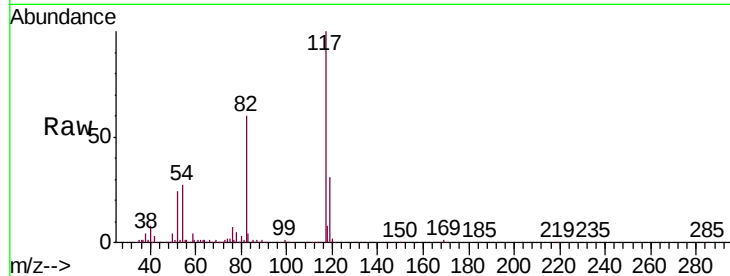




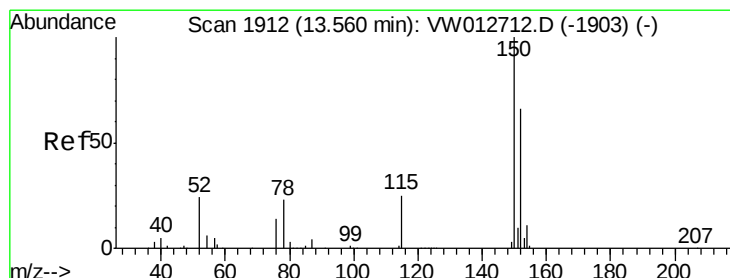
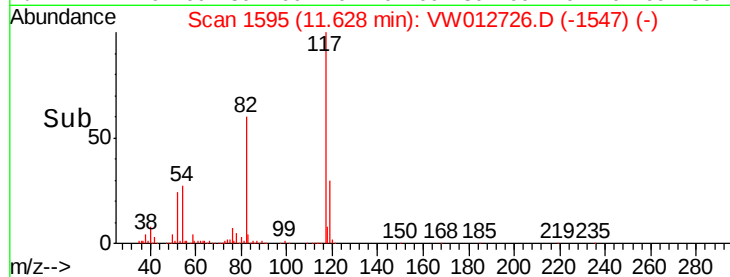
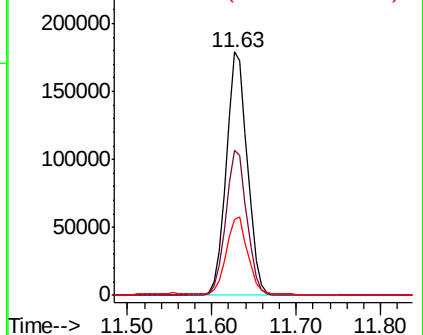
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012726.D
Acq: 07 Sep 2019 18:12

Instrument :
MSVOA_W
ClientSampleId :
SB-9-(0-2)

Tgt Ion:117 Resp: 302132
Ion Ratio Lower Upper
117 100
82 59.7 48.2 72.4
119 30.8 25.8 38.6

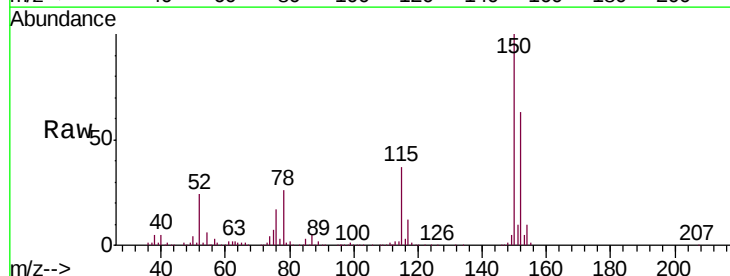


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

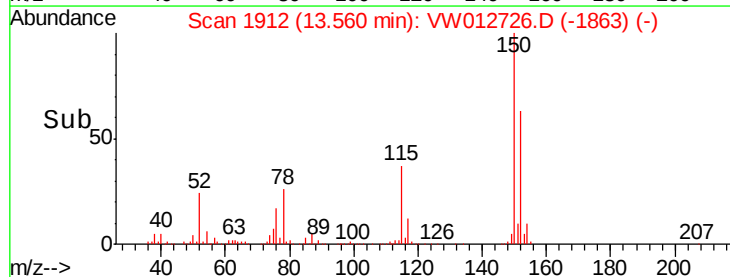
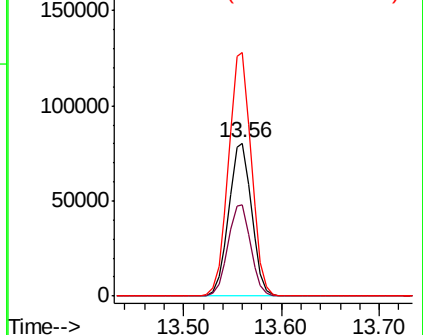


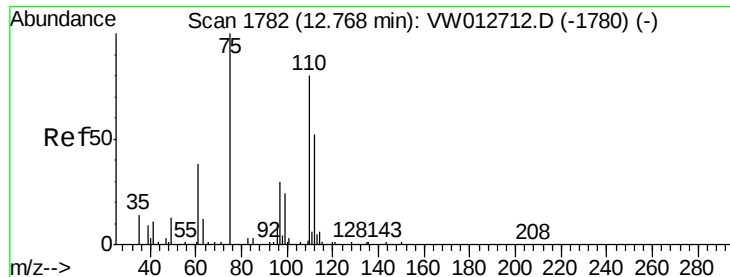
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012726.D
Acq: 07 Sep 2019 18:12

Tgt Ion:152 Resp: 130583
Ion Ratio Lower Upper
152 100
115 59.4 30.0 90.1
150 158.9 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





#76

1,2,3-Trichloropropane

Concen: 56.943 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012726.D

Acq: 07 Sep 2019 18:12

Instrument :

MSVOA_W

ClientSampleId :

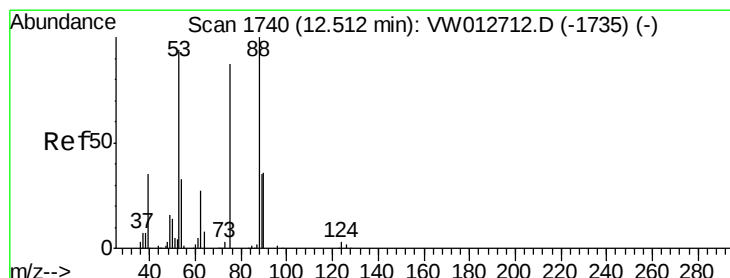
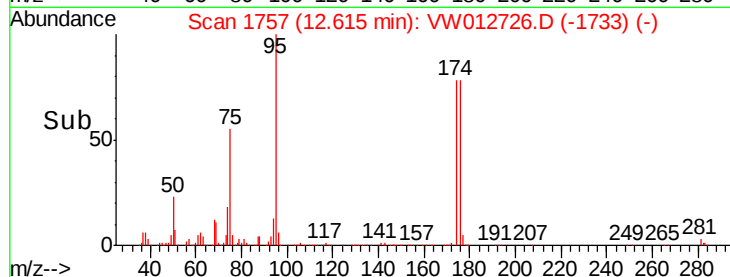
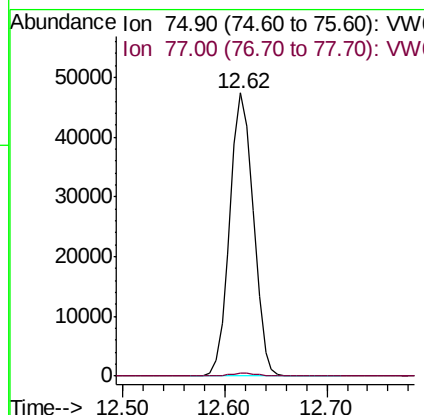
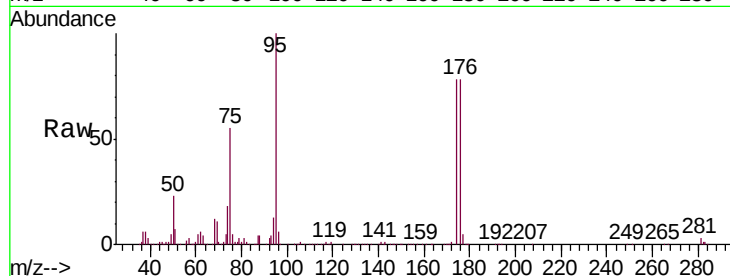
SB-9-(0-2)

Tgt Ion: 75 Resp: 76034

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 120.438 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012726.D

Acq: 07 Sep 2019 18:12

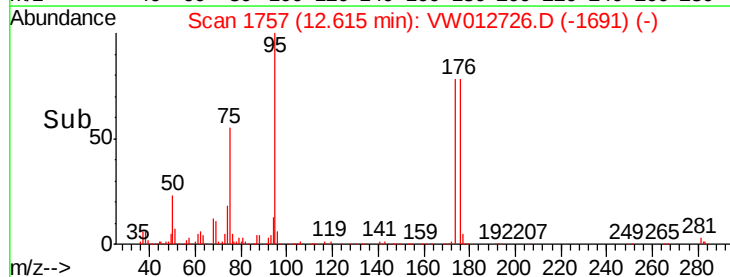
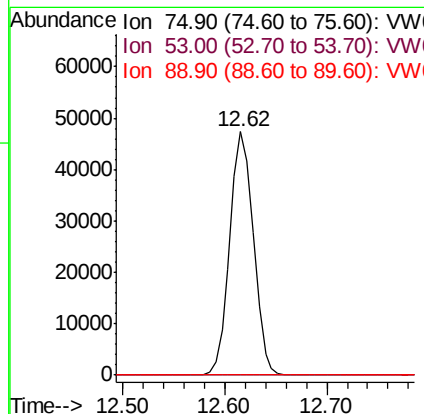
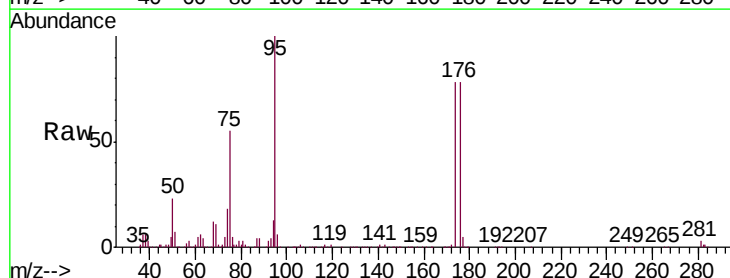
Tgt Ion: 75 Resp: 76034

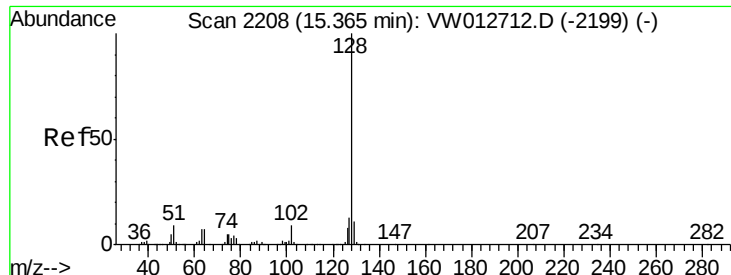
Ion Ratio Lower Upper

75 100

53 0.2 87.6 131.4#

89 0.0 35.5 53.3#





#95

Naphthalene

Concen: 4.487 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012726.D

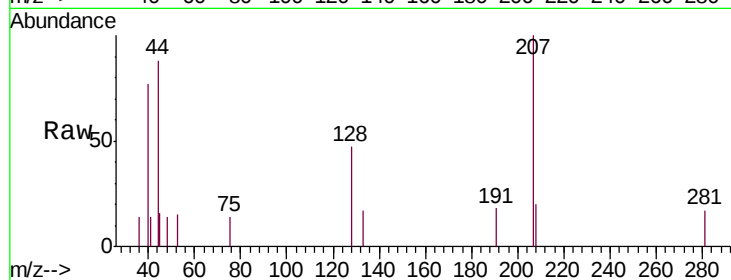
Acq: 07 Sep 2019 18:12

Instrument :

MSVOA_W

ClientSampleId :

SB-9-(0-2)



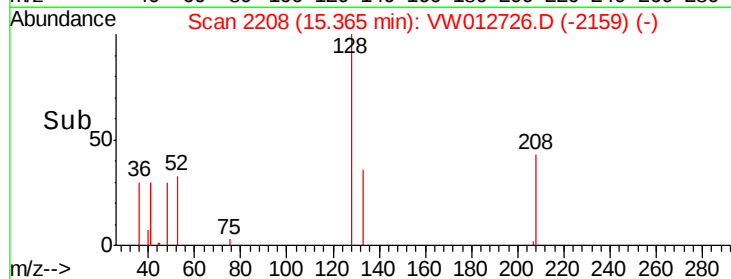
Tgt Ion:128 Resp: 286

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

