

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081019\
 Data File : VW011791.D
 Acq On : 09 Aug 2019 01:56
 Operator : SY/VA
 Sample : K4228-10
 Misc : 5.15G/5ML/MSVOA_W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-F3-(1)

Quant Time: Aug 09 05:39:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

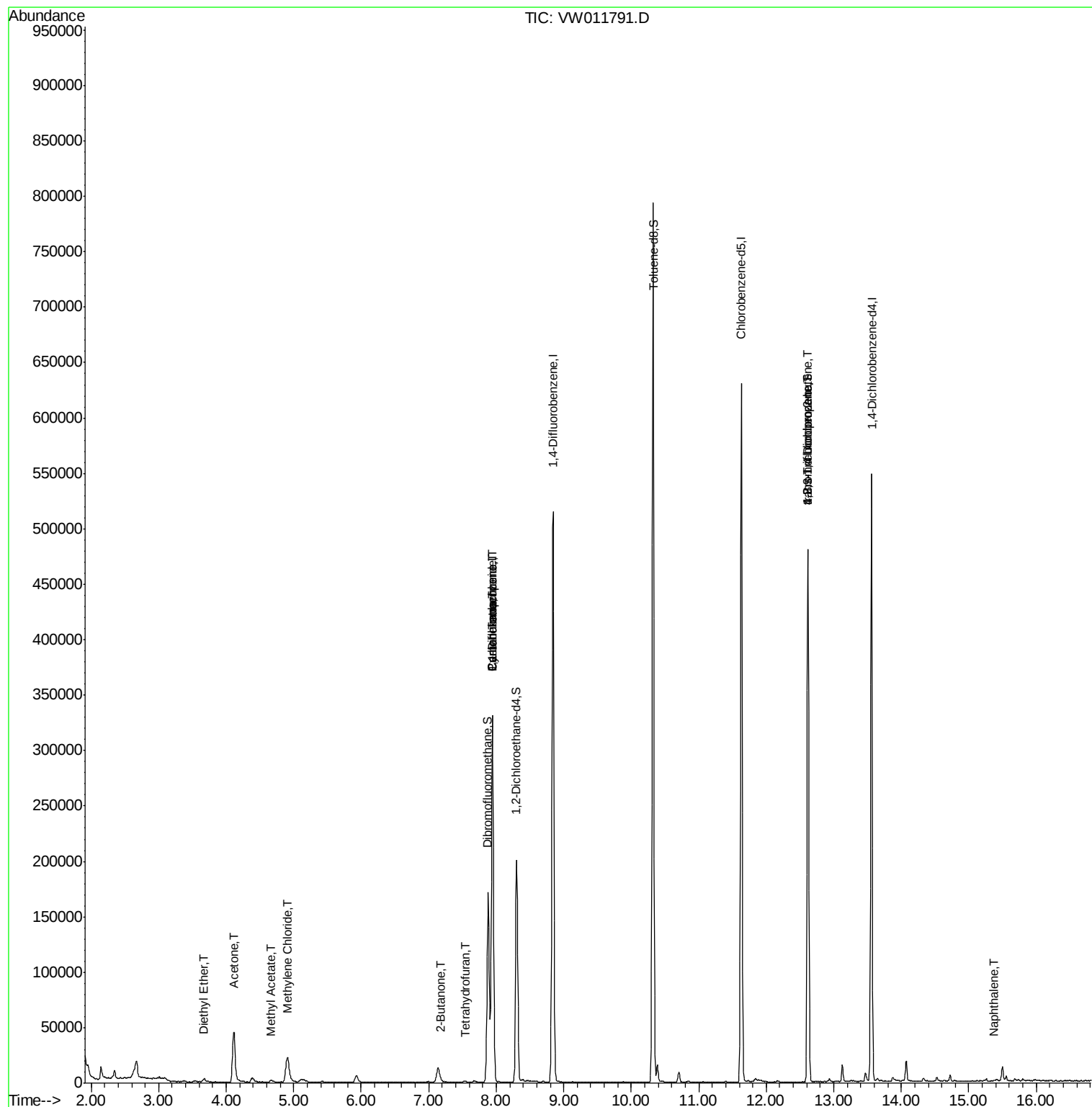
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	241682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	403090	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	330797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	131518	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	158254	57.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.04%	
35) Dibromofluoromethane	7.88	113	121549	53.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.50%	
50) Toluene-d8	10.32	98	494709	53.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.86%	
62) 4-Bromofluorobenzene	12.62	95	155678	47.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.32%	
Target Compounds						
8) Diethyl Ether	3.68	74	1641	1.152	ug/l	84
11) Tert butyl alcohol	5.15	59	2145	Below Cal	#	82
16) Acetone	4.11	43	83770	94.894	ug/l	100
18) Methyl Acetate	4.67	43	3307	1.668	ug/l	99
20) Methylene Chloride	4.91	84	16798	5.517	ug/l	92
25) 2-Butanone	7.18	43	2011	1.741	ug/l #	85
29) Tetrahydrofuran	7.54	42	794	1.203	ug/l #	41
31) Cyclohexane	7.95	56	6319	1.218	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21147	5.045	ug/l #	52
38) Carbon Tetrachloride	7.94	117	24764	6.902	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	82625	59.374	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	82625	136.836	ug/l #	6
95) Naphthalene	15.36	128	378	2.136	ug/l #	69

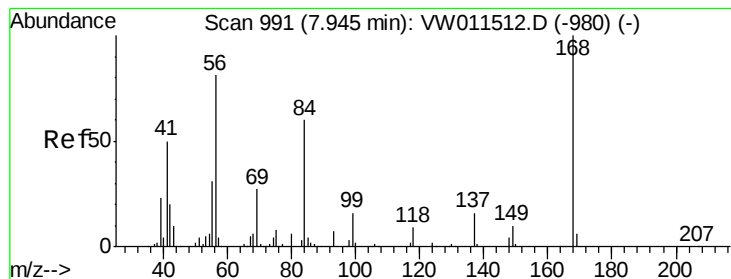
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW081019\
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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: VW011791.D

Acq: 09 Aug 2019 01:56

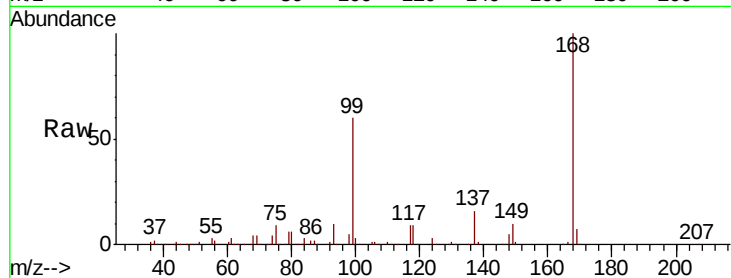
Instrument :
MSVOA_W
ClientSampleId :
2S-F3-(1)

Tgt Ion: 168 Resp: 241682

Ion Ratio Lower Upper

168 100

99 60.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

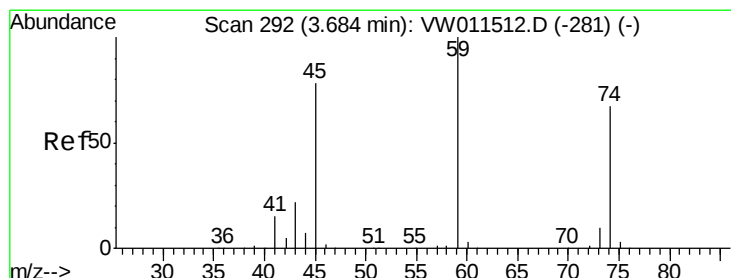
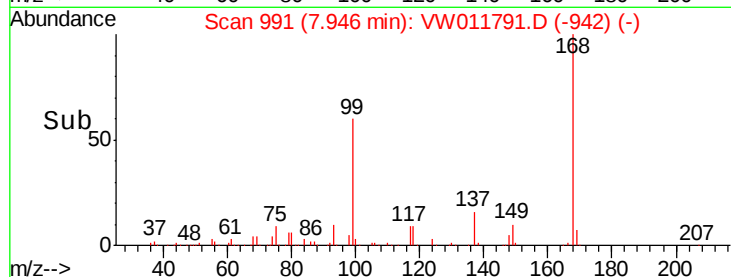
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.152 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW011791.D

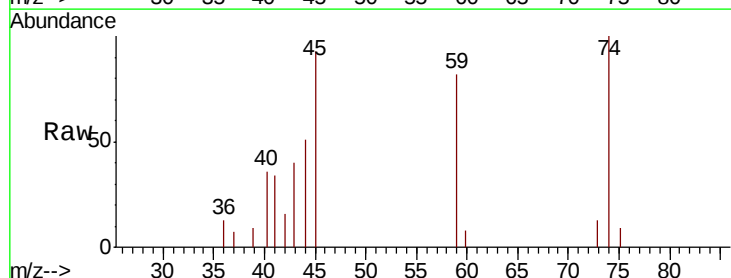
Acq: 09 Aug 2019 01:56

Tgt Ion: 74 Resp: 1641

Ion Ratio Lower Upper

74 100

45 137.1 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1000

800

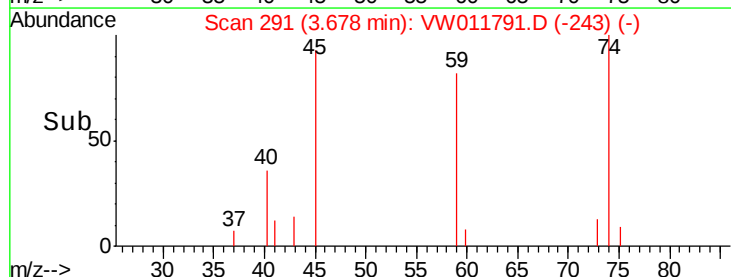
600

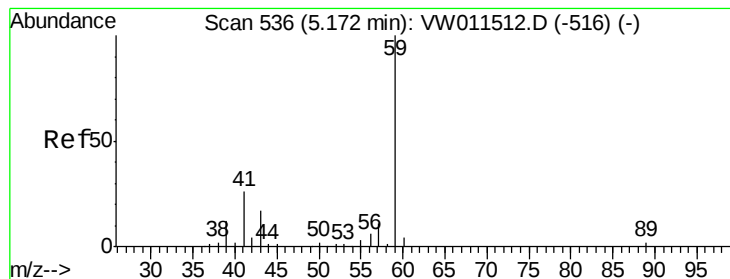
400

200

0

Time--> 3.60 3.65 3.70 3.75



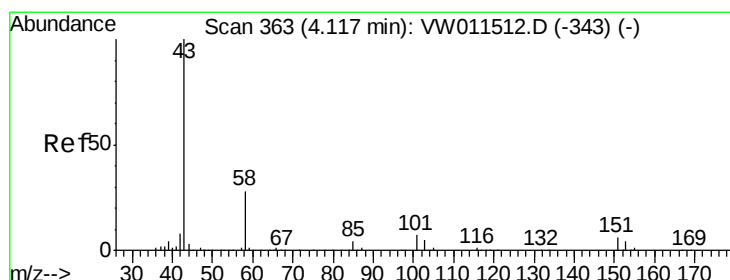
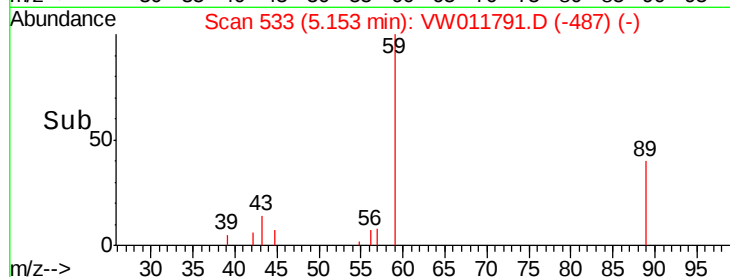
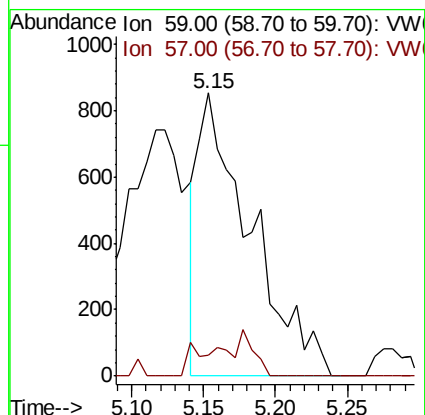
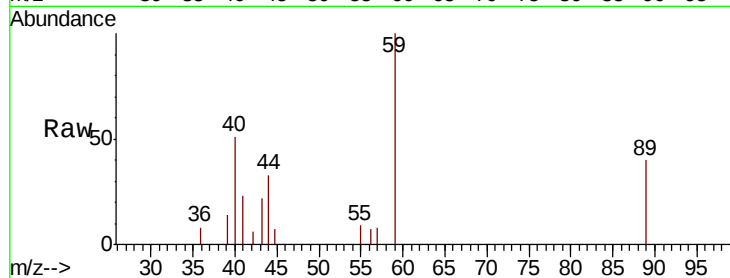


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.15 min Scan# 533
 Delta R.T. -0.02 min
 Lab File: VW011791.D
 Acq: 09 Aug 2019 01:56

Instrument :
 MSVOA_W
 ClientSampled :
 2S-F3-(1)

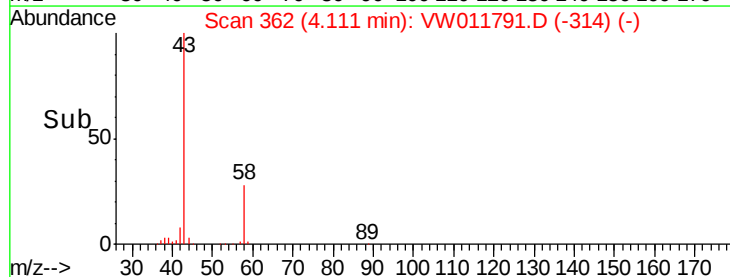
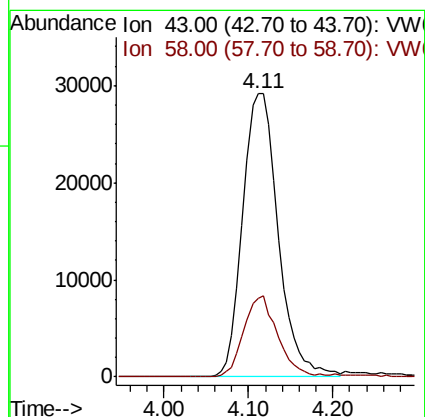
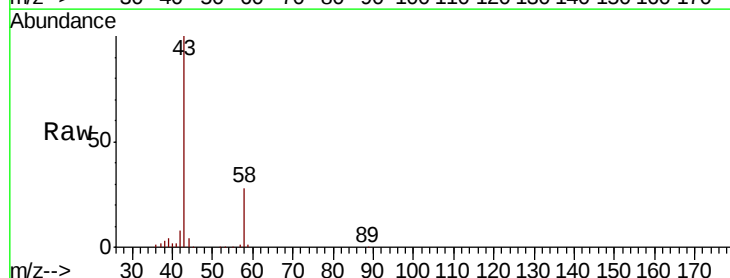
Tgt Ion: 59 Resp: 2145
 Ion Ratio Lower Upper
 59 100
 57 3.8 8.5 12.7#

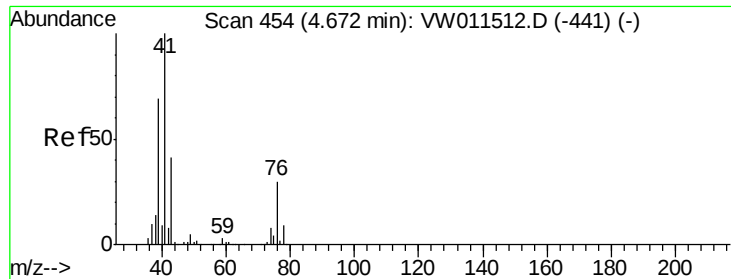


#16

Acetone
 Concen: 94.894 ug/l
 RT: 4.11 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VW011791.D
 Acq: 09 Aug 2019 01:56

Tgt Ion: 43 Resp: 83770
 Ion Ratio Lower Upper
 43 100
 58 27.7 22.3 33.5

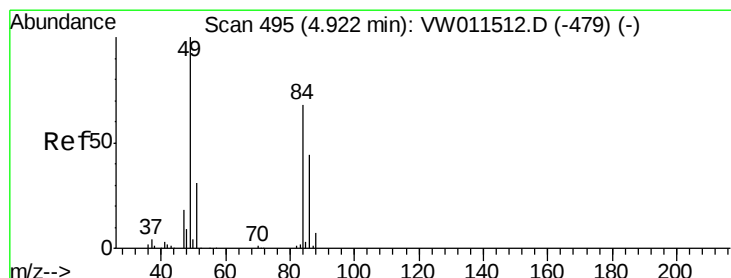
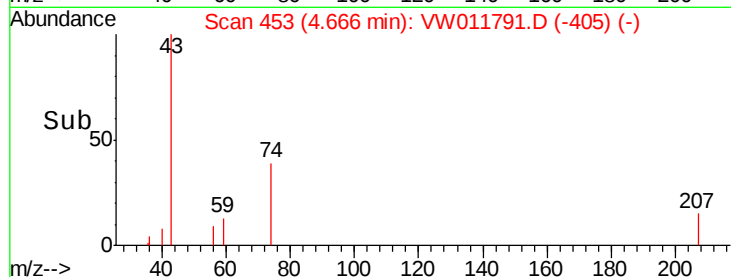
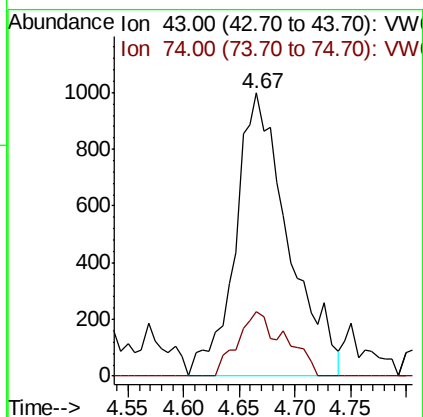
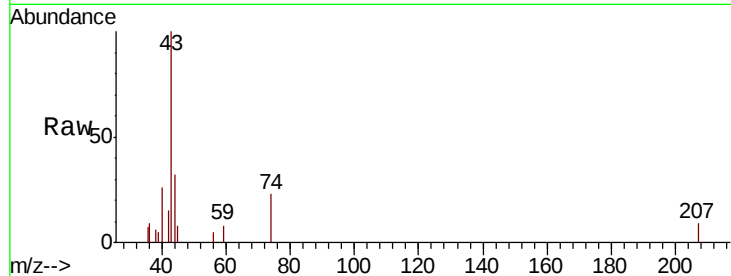




#18
Methyl Acetate
Concen: 1.668 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011791.D
Acq: 09 Aug 2019 01:56

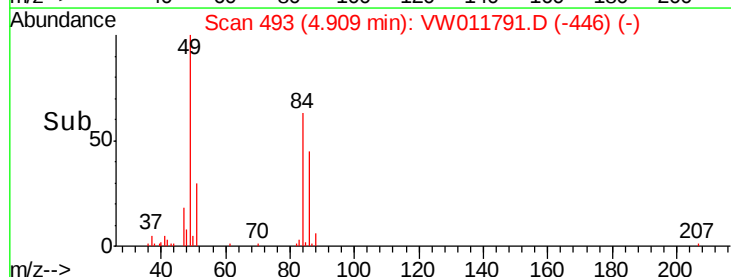
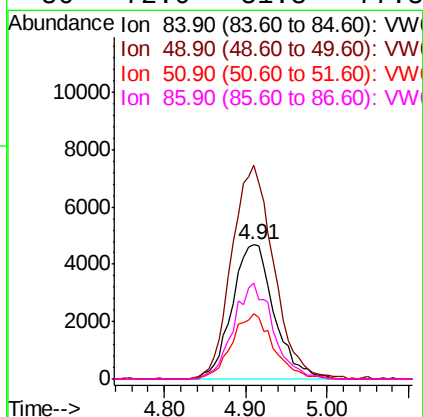
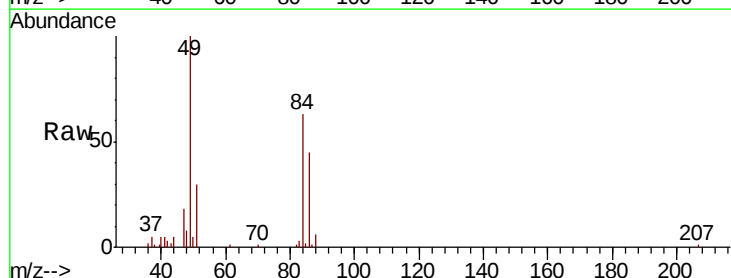
Instrument :
MSVOA_W
ClientSampleId :
2S-F3-(1)

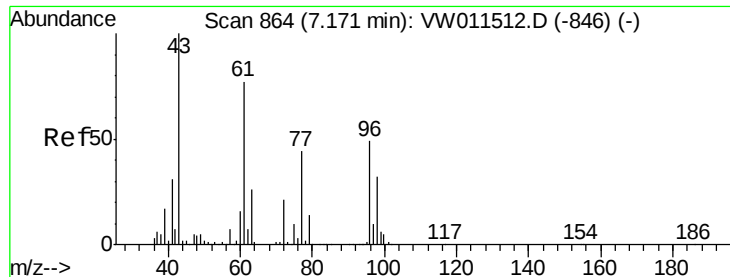
Tgt Ion: 43 Resp: 3307
Ion Ratio Lower Upper
43 100
74 20.3 15.9 23.9



#20
Methylene Chloride
Concen: 5.517 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011791.D
Acq: 09 Aug 2019 01:56

Tgt Ion: 84 Resp: 16798
Ion Ratio Lower Upper
84 100
49 159.4 117.8 176.6
51 48.4 37.0 55.4
86 72.0 51.8 77.8





#25

2-Butanone

Concen: 1.741 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW011791.D

Acq: 09 Aug 2019 01:56

Instrument :

MSVOA_W

ClientSampled :

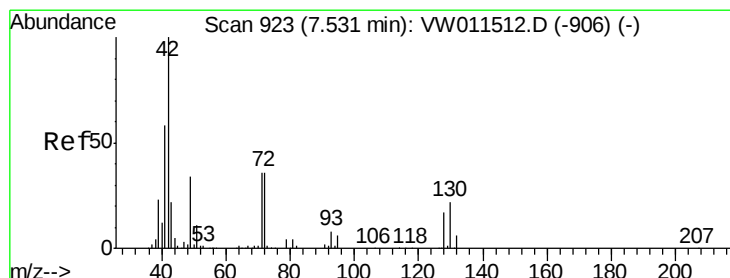
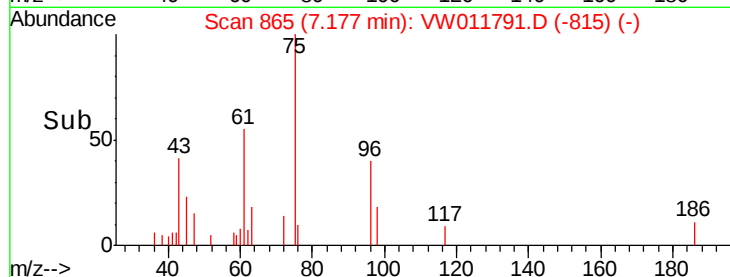
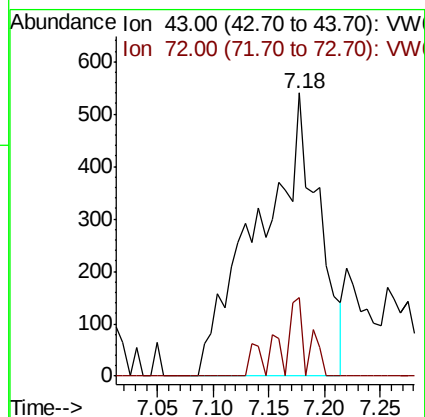
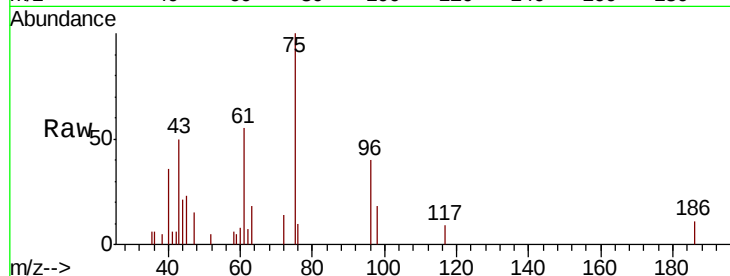
2S-F3-(1)

Tgt Ion: 43 Resp: 2011

Ion Ratio Lower Upper

43 100

72 27.8 16.6 24.8#



#29

Tetrahydrofuran

Concen: 1.203 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW011791.D

Acq: 09 Aug 2019 01:56

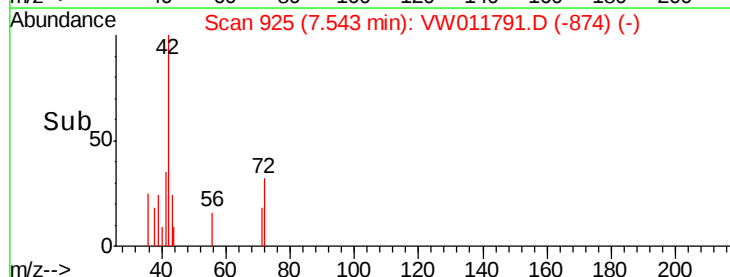
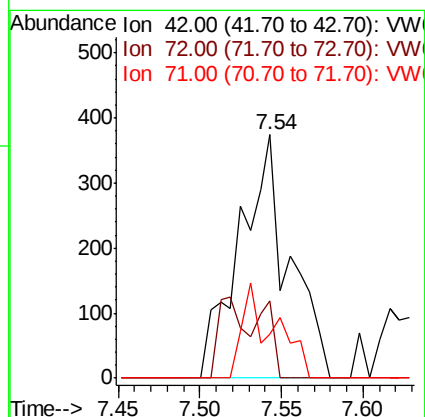
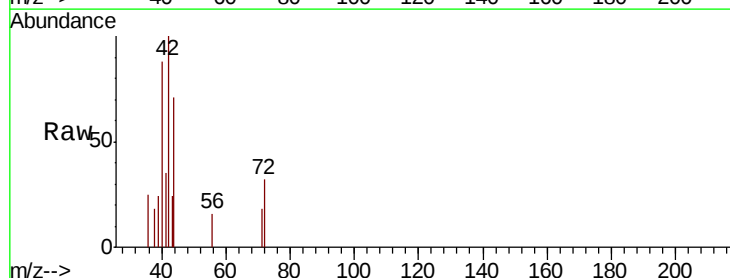
Tgt Ion: 42 Resp: 794

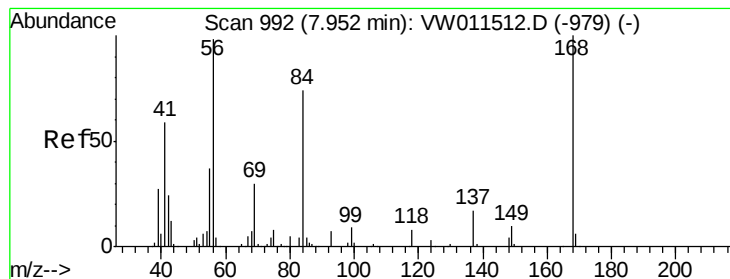
Ion Ratio Lower Upper

42 100

72 0.0 27.1 40.7#

71 0.0 26.2 39.4#





#31

Cyclohexane

Concen: 1.218 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011791.D

Acq: 09 Aug 2019 01:56

Instrument :

MSVOA_W

ClientSampled :

2S-F3-(1)

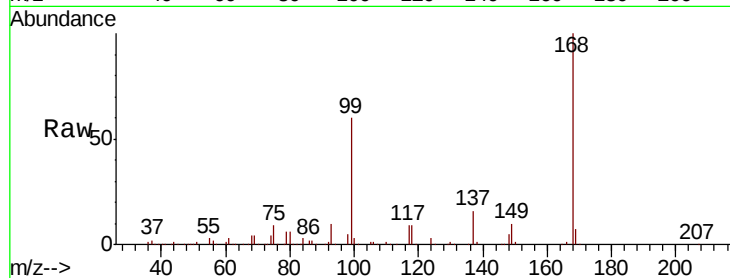
Tgt Ion: 56 Resp: 6319

Ion Ratio Lower Upper

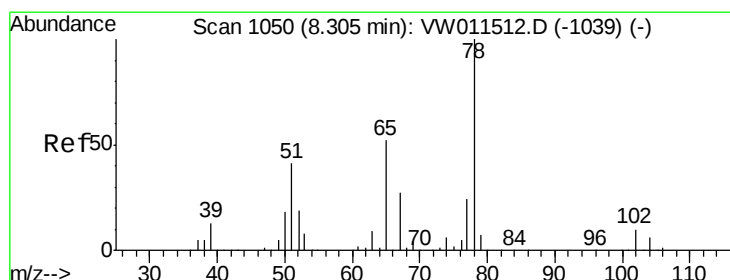
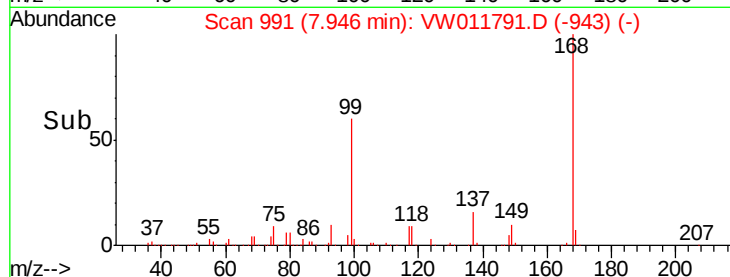
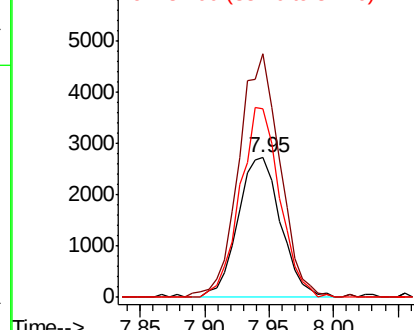
56 100

69 174.5 24.3 36.5#

84 134.9 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



#33

1,2-Dichloroethane-d4

Concen: 57.025 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011791.D

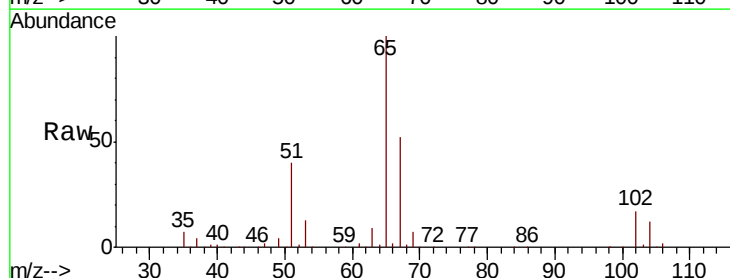
Acq: 09 Aug 2019 01:56

Tgt Ion: 65 Resp: 158254

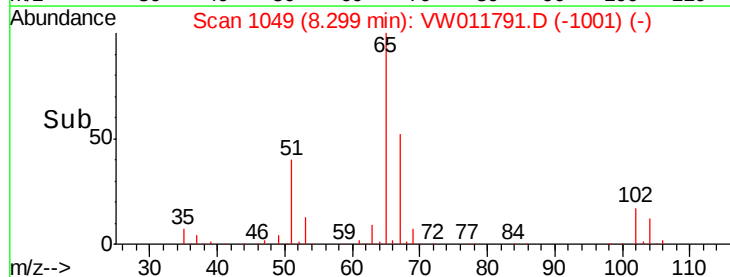
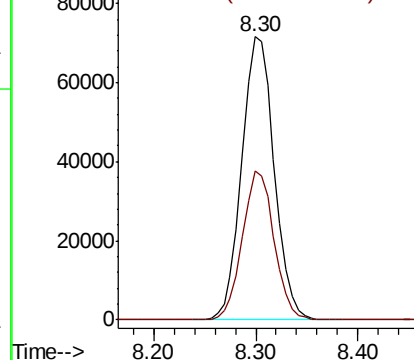
Ion Ratio Lower Upper

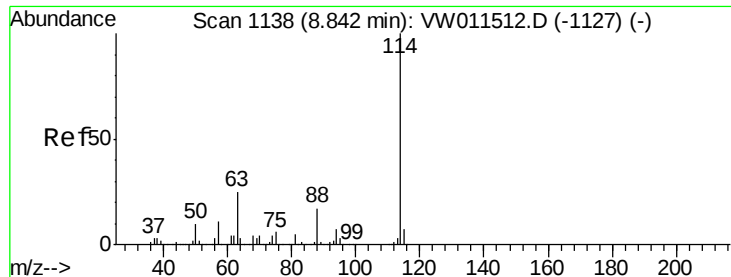
65 100

67 51.4 0.0 105.2



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

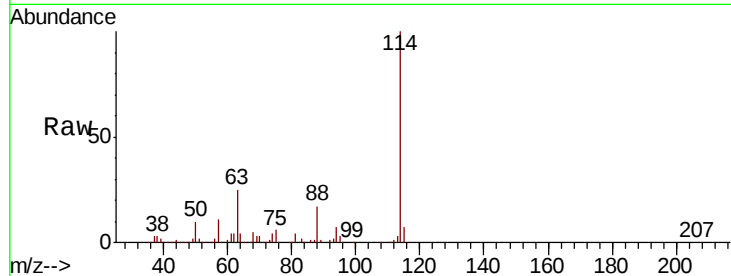




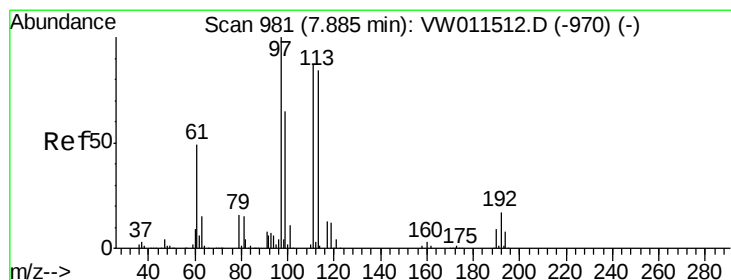
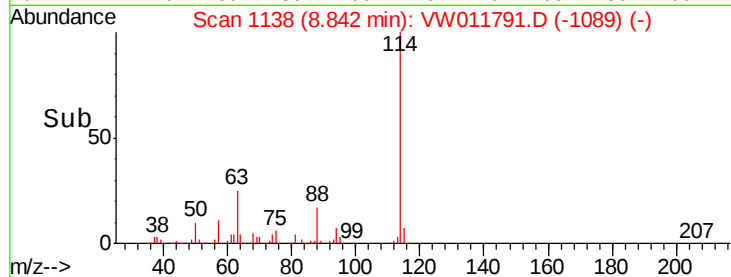
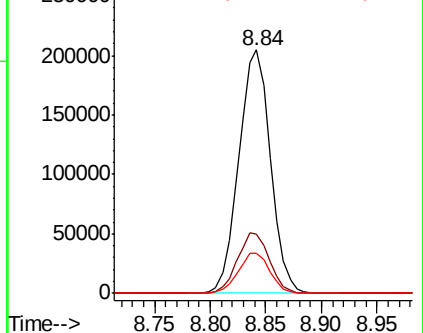
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011791.D
 Acq: 09 Aug 2019 01:56

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-F3-(1)

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	49.2
88	16.7	0.0	33.8

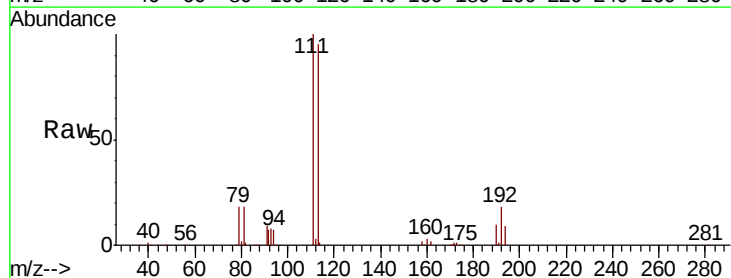


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

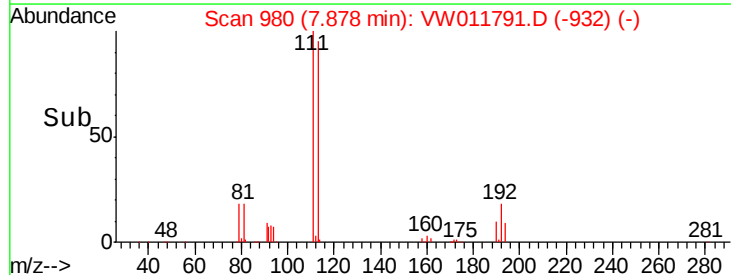
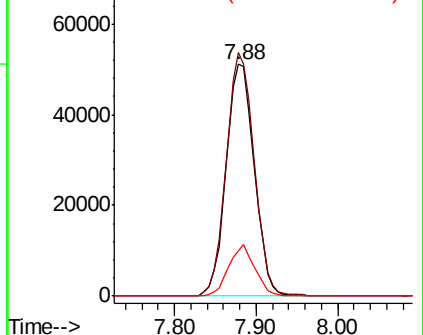


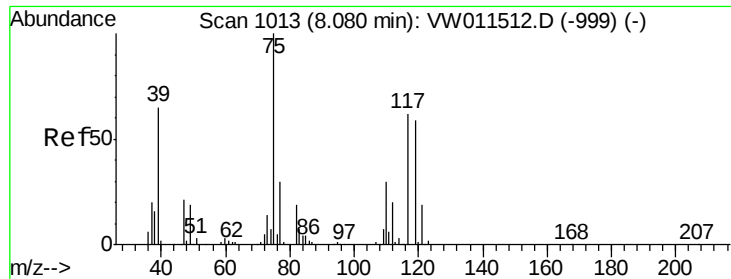
#35
 Dibromofluoromethane
 Concen: 53.749 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011791.D
 Acq: 09 Aug 2019 01:56

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.7	124.1
192	20.4	16.1	24.1



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

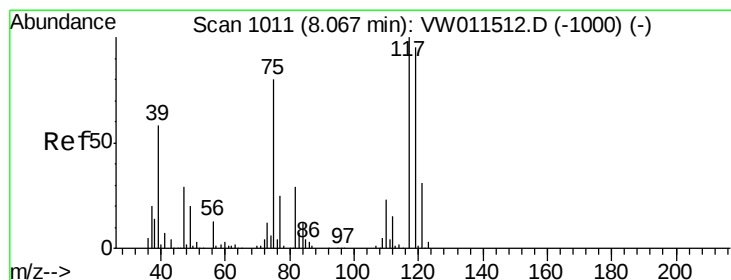
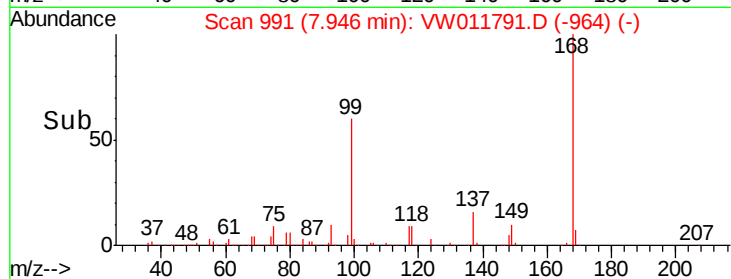
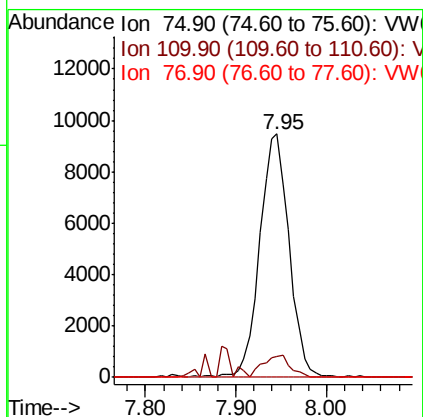
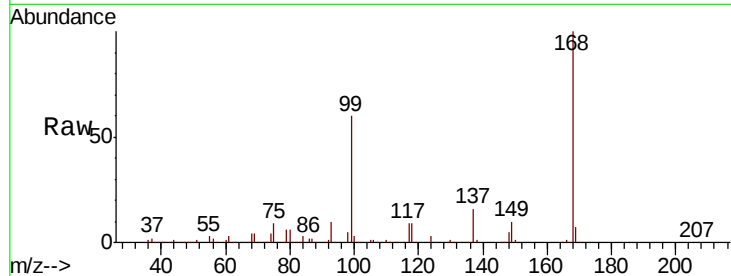




#36
 1,1-Dichloropropene
 Concen: 5.045 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011791.D
 Acq: 09 Aug 2019 01:56

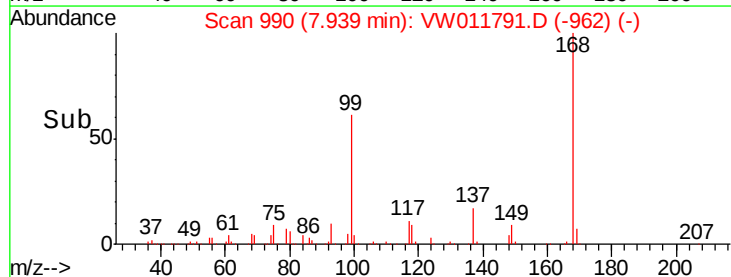
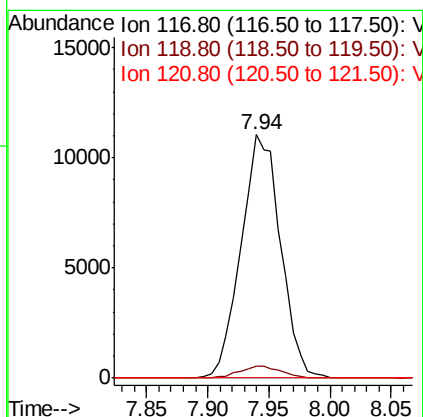
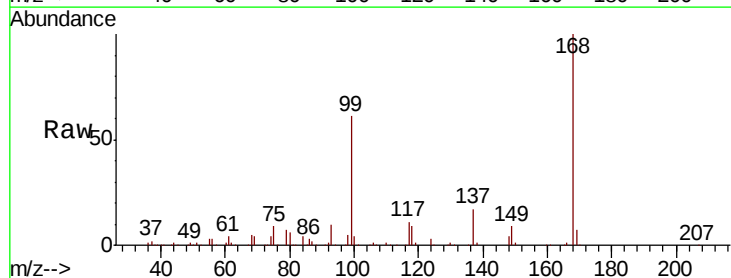
Instrument :
 MSVOA_W
 ClientSampled :
 2S-F3-(1)

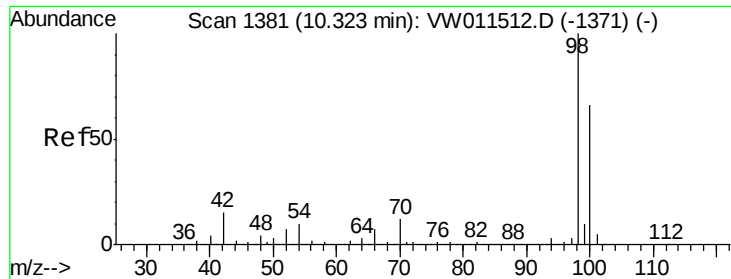
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.902 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW011791.D
 Acq: 09 Aug 2019 01:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	75.8	113.6#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 53.431 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011791.D

Acq: 09 Aug 2019 01:56

Instrument :

MSVOA_W

ClientSampleId :

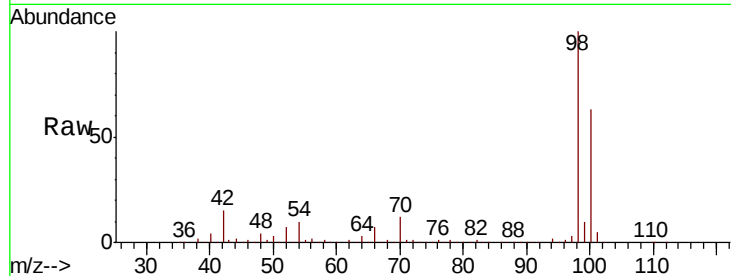
2S-F3-(1)

Tgt Ion: 98 Resp: 494709

Ion Ratio Lower Upper

98 100

100 64.5 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

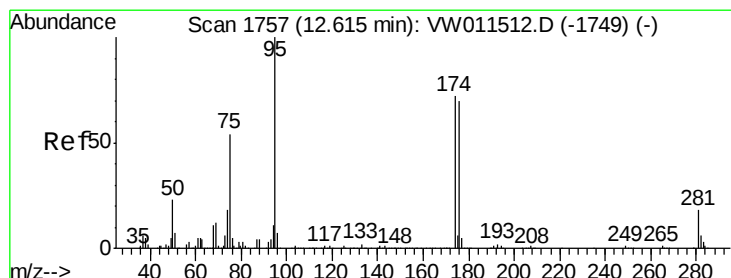
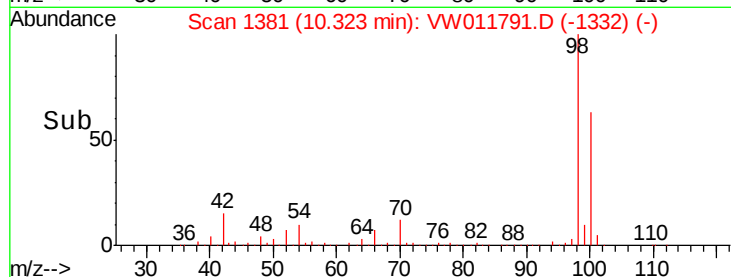
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.161 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011791.D

Acq: 09 Aug 2019 01:56

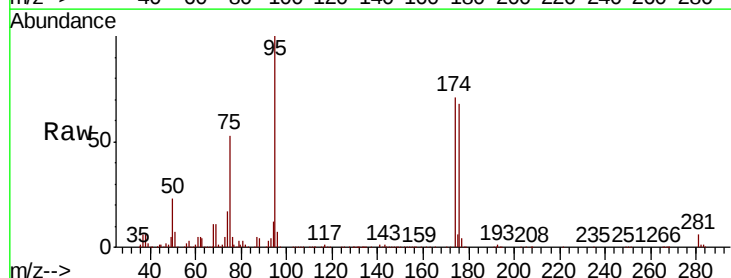
Tgt Ion: 95 Resp: 155678

Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.2

176 73.2 0.0 144.4



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

12.62

120000

100000

80000

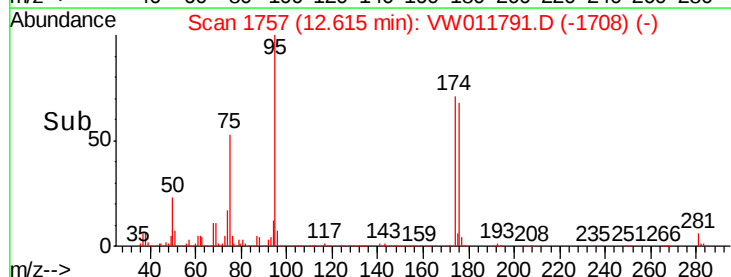
60000

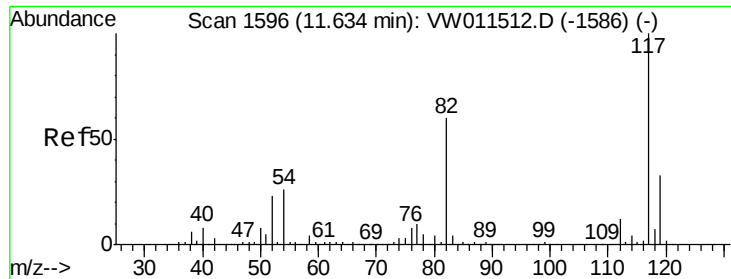
40000

20000

0

Time-->

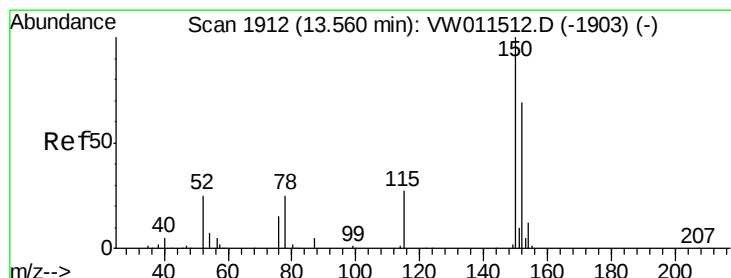
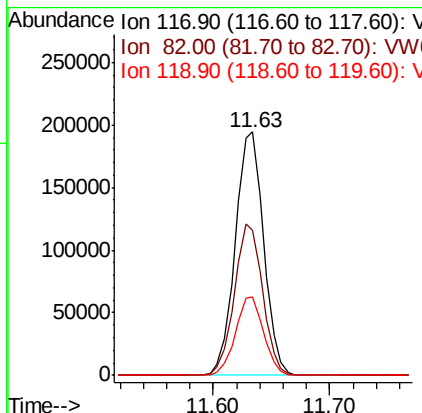
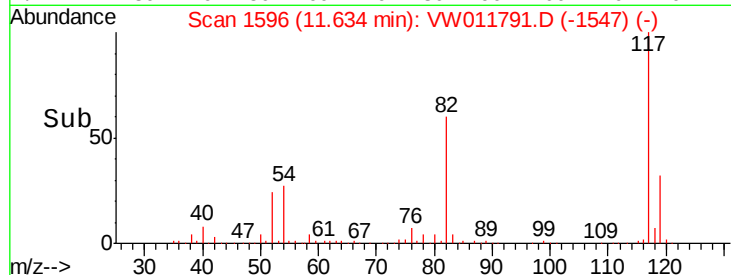
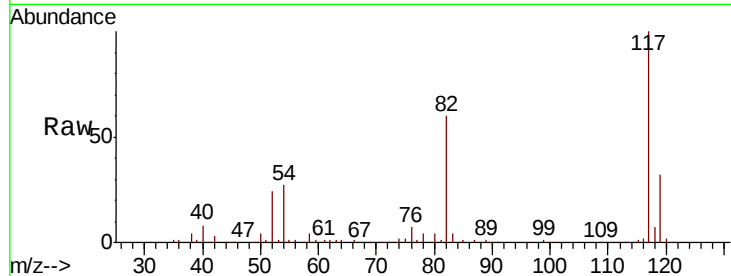




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011791.D
Acq: 09 Aug 2019 01:56

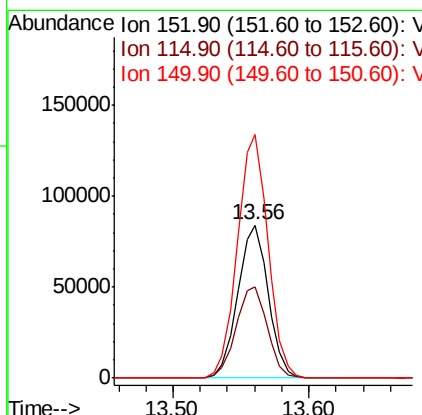
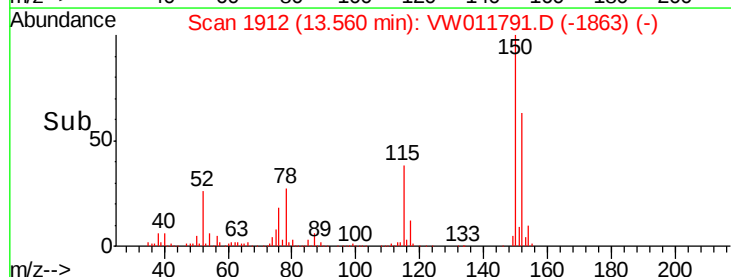
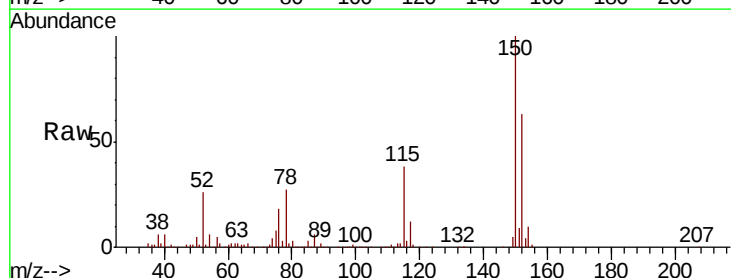
Instrument :
MSVOA_W
ClientSampled :
2S-F3-(1)

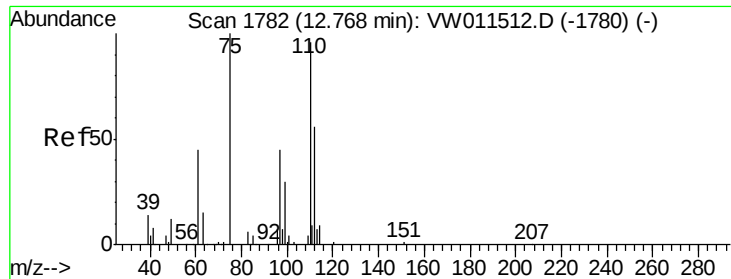
Tgt Ion:117 Resp: 330797
Ion Ratio Lower Upper
117 100
82 59.7 47.9 71.9
119 32.4 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011791.D
Acq: 09 Aug 2019 01:56

Tgt Ion:152 Resp: 131518
Ion Ratio Lower Upper
152 100
115 61.3 30.5 91.5
150 159.0 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 59.374 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011791.D

Acq: 09 Aug 2019 01:56

Instrument :

MSVOA_W

ClientSampled :

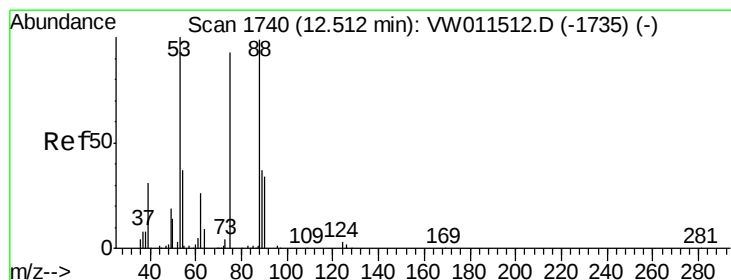
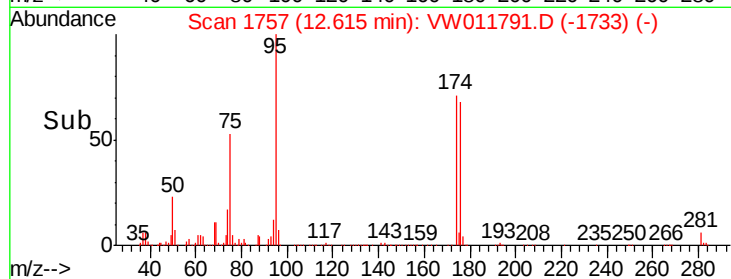
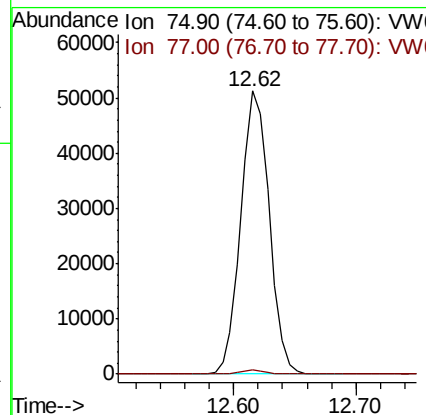
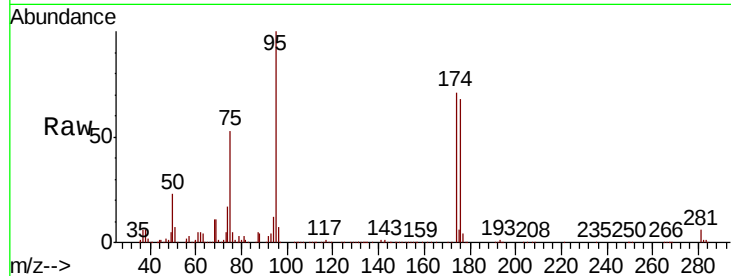
2S-F3-(1)

Tgt Ion: 75 Resp: 82625

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 136.836 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011791.D

Acq: 09 Aug 2019 01:56

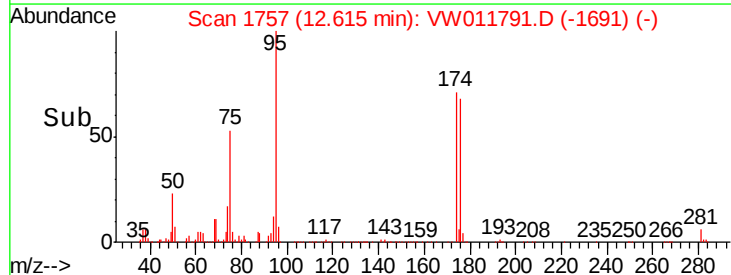
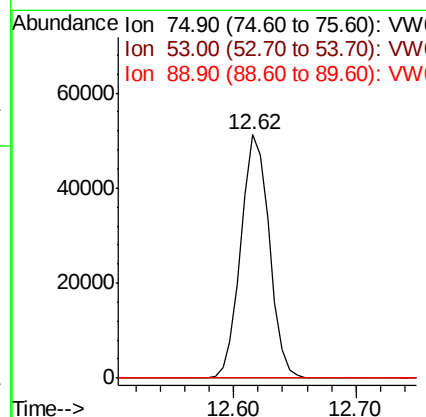
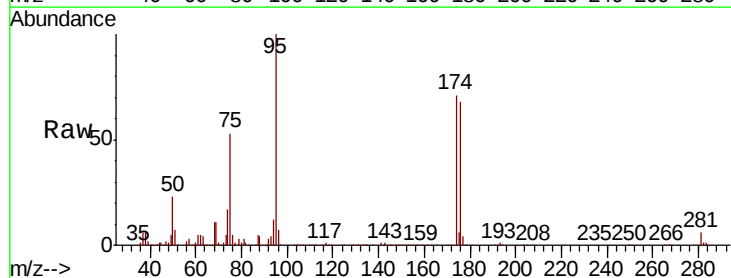
Tgt Ion: 75 Resp: 82625

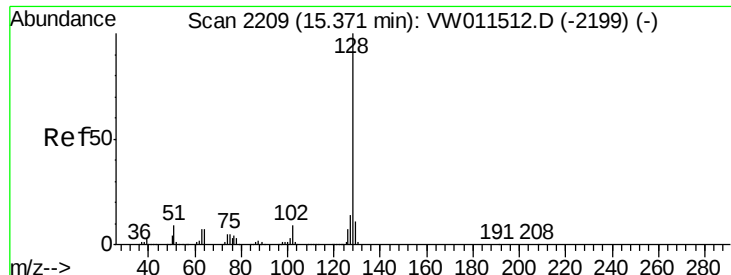
Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

89 0.0 35.3 52.9#





#95

Naphthalene

Concen: 2.136 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011791.D

Acq: 09 Aug 2019 01:56

Instrument :

MSVOA_W

ClientSampleId :

2S-F3-(1)

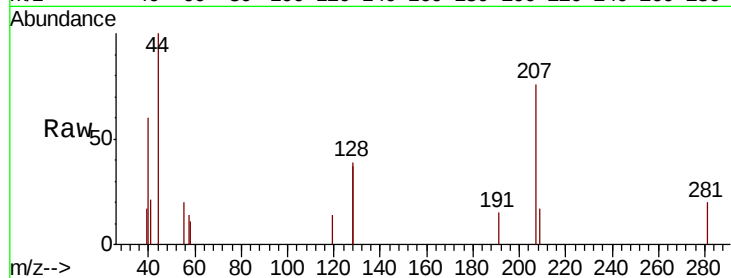
Tgt Ion:128 Resp: 378

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#



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

