

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081019\
 Data File : VW011789.D
 Acq On : 09 Aug 2019 01:05
 Operator : SY/VA
 Sample : K4228-08
 Misc : 7.10G/5ML/MSVOA_W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-F1-(1)

Quant Time: Aug 09 05:38:41 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

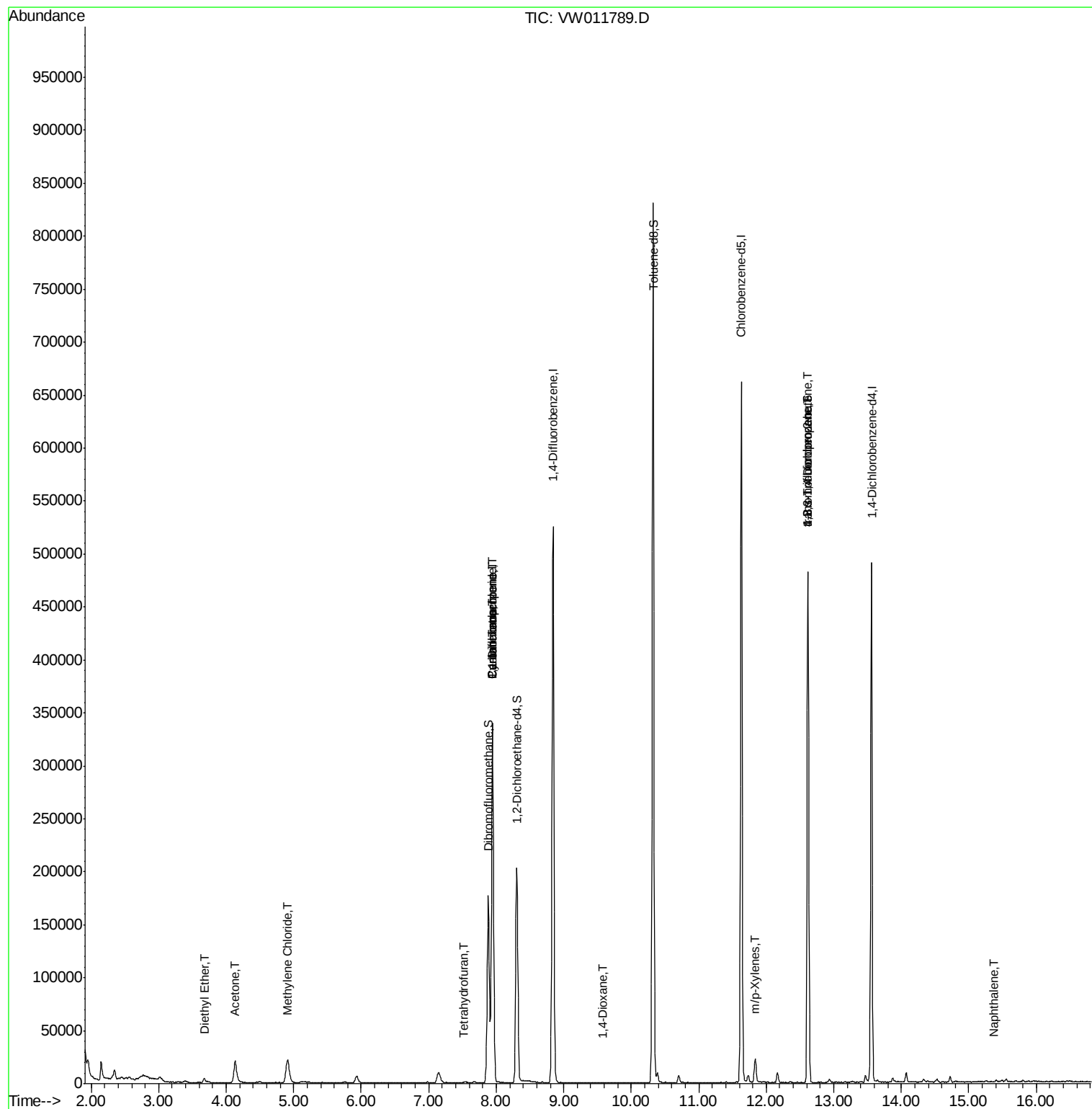
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	245086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	408523	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	348489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	119083	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	161337	57.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.66%	
35) Dibromofluoromethane	7.88	113	126515	55.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.40%	
50) Toluene-d8	10.32	98	514874	54.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.74%	
62) 4-Bromofluorobenzene	12.62	95	155868	46.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.18%	
Target Compounds						
8) Diethyl Ether	3.68	74	1836	1.271	ug/l	68
11) Tert butyl alcohol	5.14	59	432	Below Cal	#	83
16) Acetone	4.13	43	41661	46.538	ug/l	98
20) Methylene Chloride	4.92	84	15900	5.150	ug/l	98
29) Tetrahydrofuran	7.51	42	1060	1.583	ug/l #	41
31) Cyclohexane	7.95	56	6030	1.146	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21986	5.176	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24462	6.727	ug/l #	17
49) 1,4-Dioxane	9.57	88	22	1.046	ug/l #	1
68) m/p-Xylenes	11.84	106	6408	1.320	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	84411	66.991	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84411	154.391	ug/l #	6
95) Naphthalene	15.36	128	386	2.145	ug/l #	84

(#) = 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: VW011789.D

Acq: 09 Aug 2019 01:05

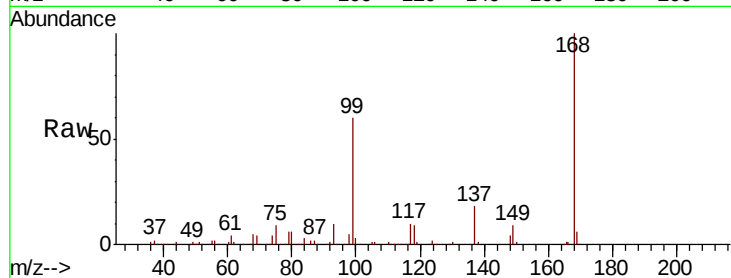
Instrument :
MSVOA_W
ClientSampleId :
2S-F1-(1)

Tgt Ion:168 Resp: 245086

Ion Ratio Lower Upper

168 100

99 59.6 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

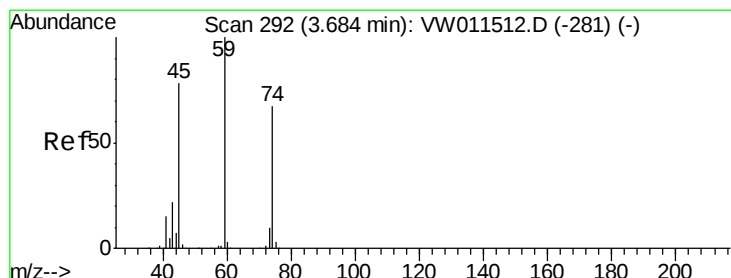
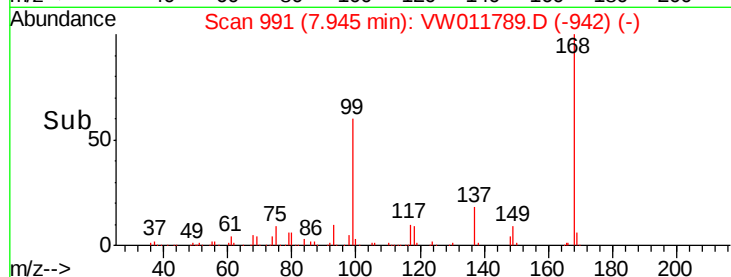
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.271 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW011789.D

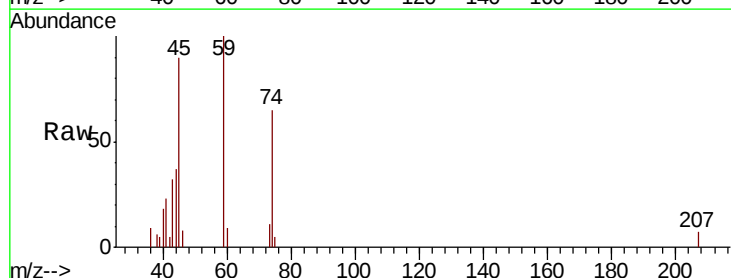
Acq: 09 Aug 2019 01:05

Tgt Ion: 74 Resp: 1836

Ion Ratio Lower Upper

74 100

45 154.2 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

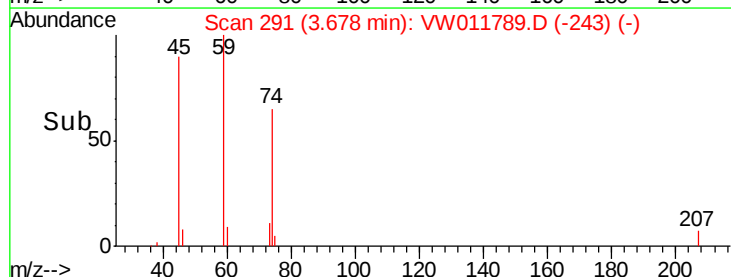
3.68

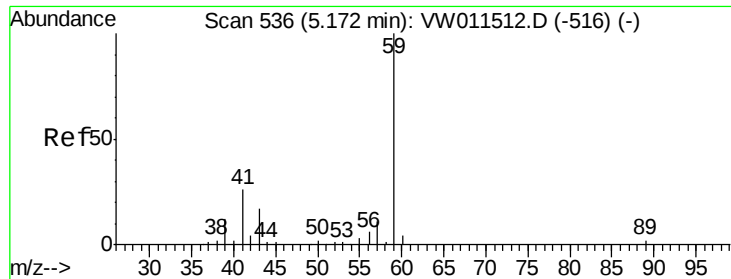
1000

500

0

Time--> 3.60 3.65 3.70 3.75

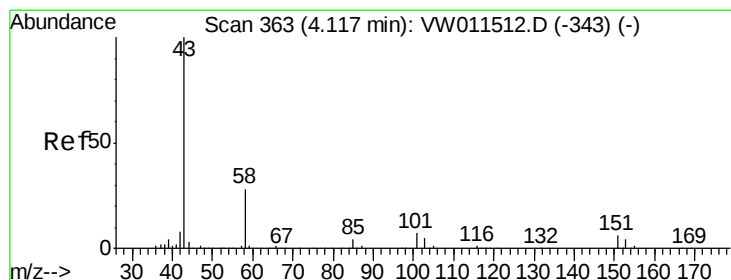
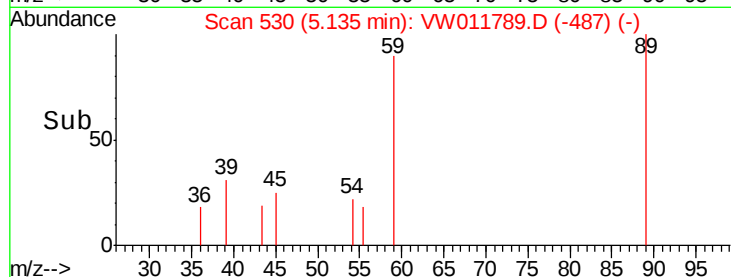
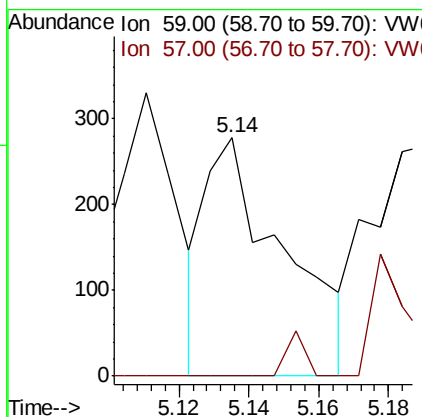
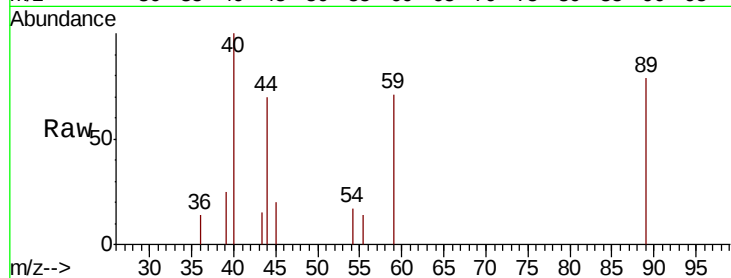




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.14 min Scan# 530
Delta R.T. -0.04 min
Lab File: VW011789.D
Acq: 09 Aug 2019 01:05

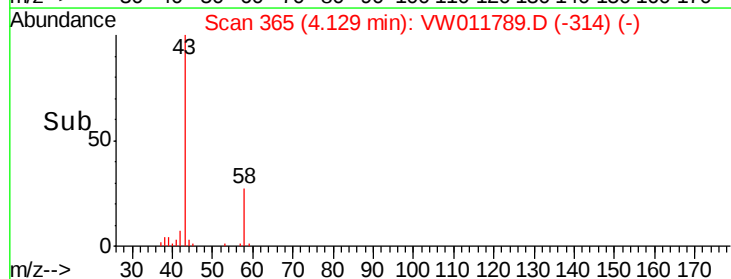
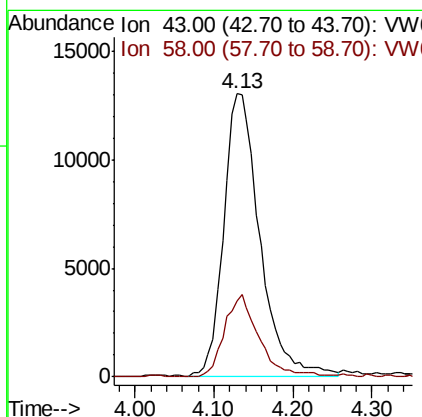
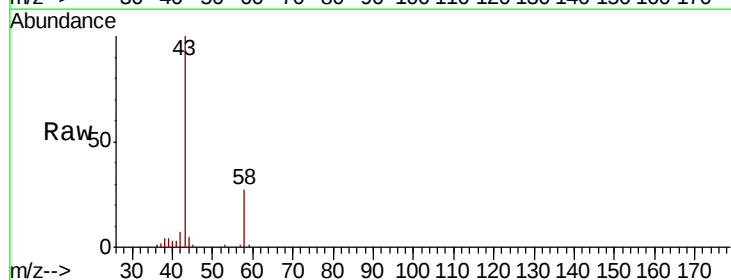
Instrument :
MSVOA_W
ClientSampled :
2S-F1-(1)

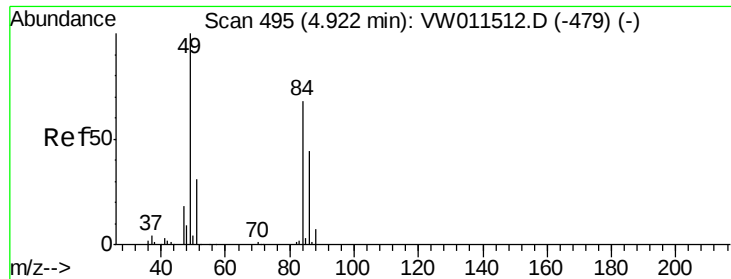
Tgt Ion: 59 Resp: 432
Ion Ratio Lower Upper
59 100
57 4.4 8.5 12.7#



#16
Acetone
Concen: 46.538 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW011789.D
Acq: 09 Aug 2019 01:05

Tgt Ion: 43 Resp: 41661
Ion Ratio Lower Upper
43 100
58 27.0 22.3 33.5

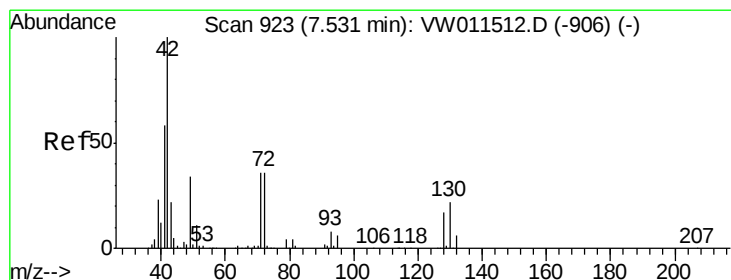
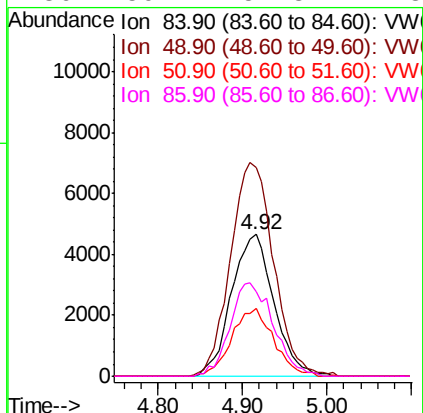
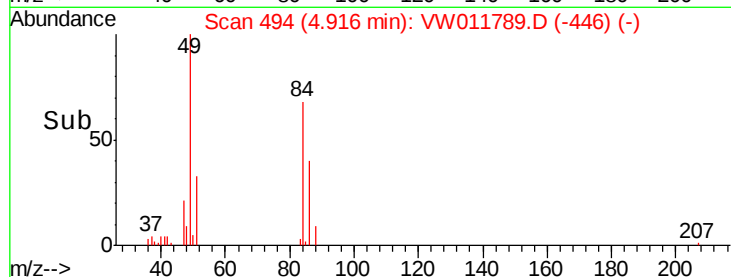
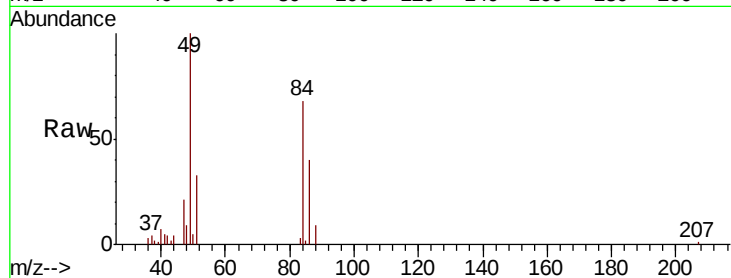




#20
Methylene Chloride
Concen: 5.150 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011789.D
Acq: 09 Aug 2019 01:05

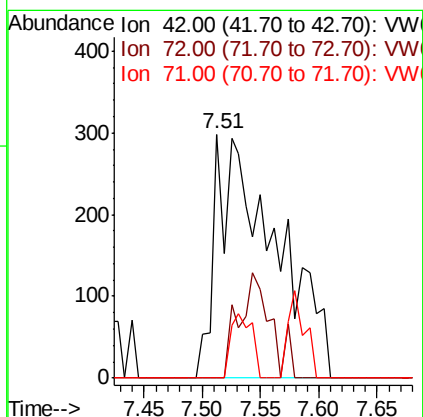
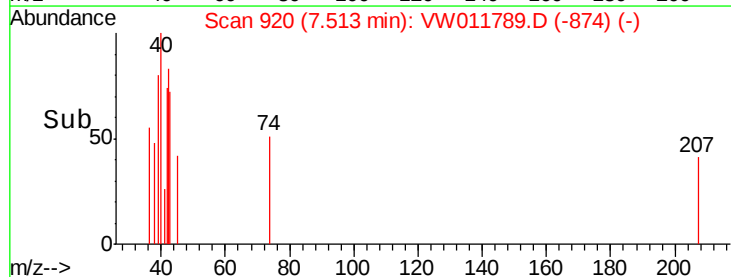
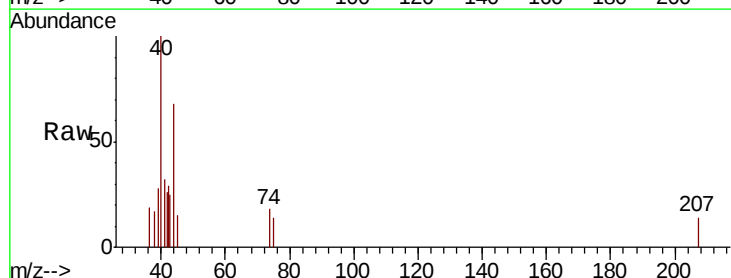
Instrument :
MSVOA_W
ClientSampleId :
2S-F1-(1)

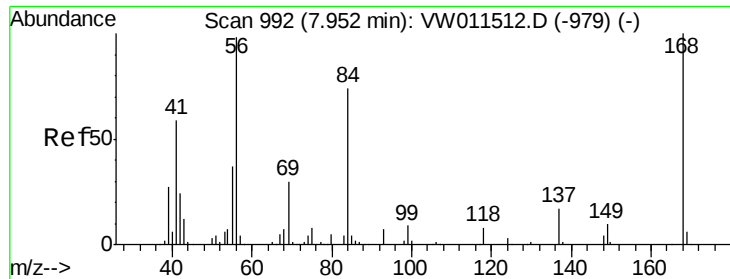
Tgt Ion:	84	Resp:	15900
Ion	Ratio	Lower	Upper
84	100		
49	147.0	117.8	176.6
51	48.2	37.0	55.4
86	59.1	51.8	77.8



#29
Tetrahydrofuran
Concen: 1.583 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.02 min
Lab File: VW011789.D
Acq: 09 Aug 2019 01:05

Tgt Ion:	42	Resp:	1060
Ion	Ratio	Lower	Upper
42	100		
72	0.0	27.1	40.7#
71	0.0	26.2	39.4#

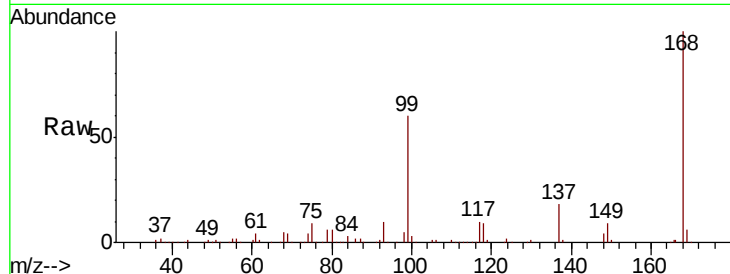




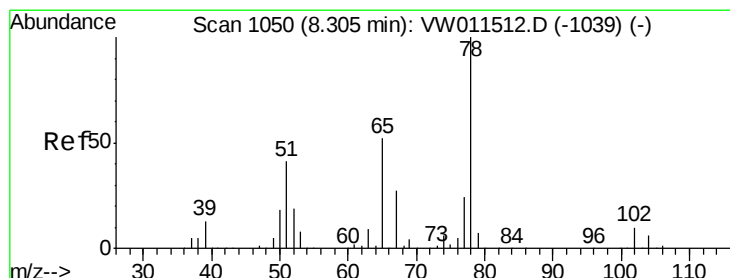
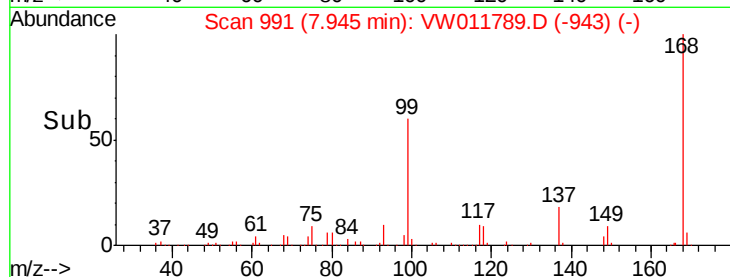
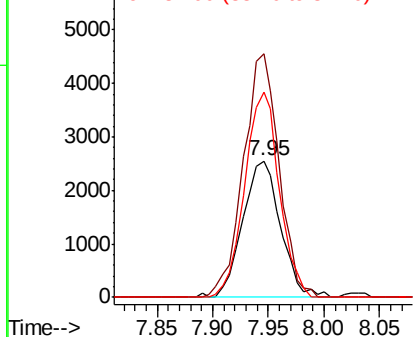
#31
Cyclohexane
Concen: 1.146 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011789.D
Acq: 09 Aug 2019 01:05

Instrument :
MSVOA_W
ClientSampleId :
2S-F1-(1)

Tgt Ion: 56 Resp: 6030
Ion Ratio Lower Upper
56 100
69 178.1 24.3 36.5#
84 149.9 60.4 90.6#

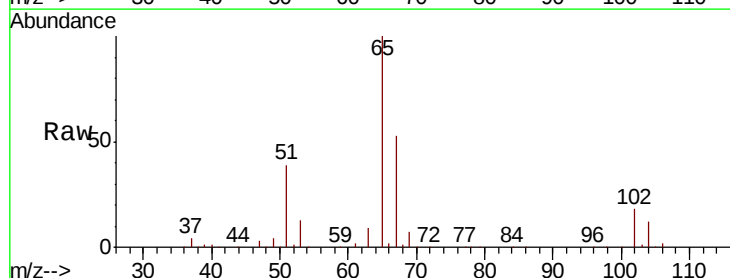


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

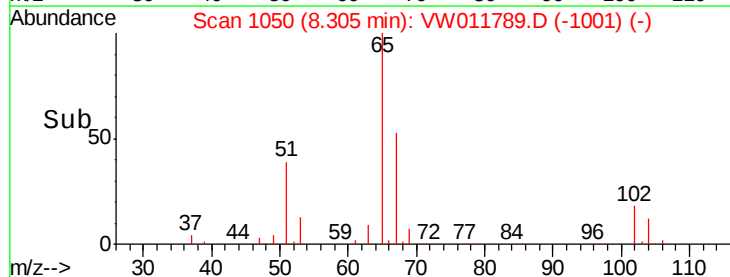
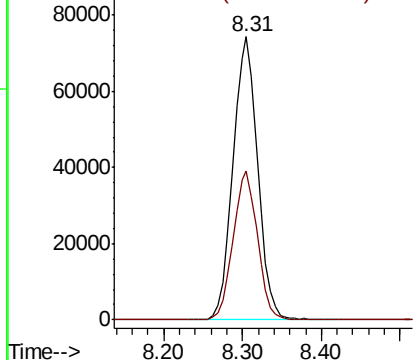


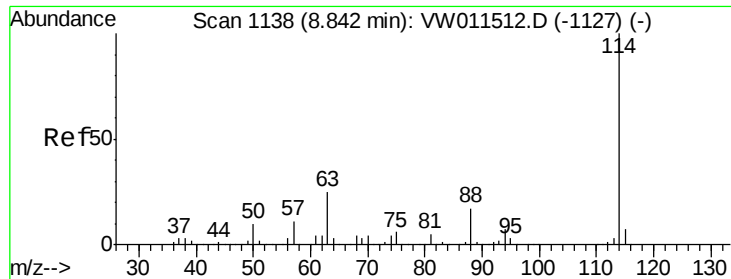
#33
1,2-Dichloroethane-d4
Concen: 57.328 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW011789.D
Acq: 09 Aug 2019 01:05

Tgt Ion: 65 Resp: 161337
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.2



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

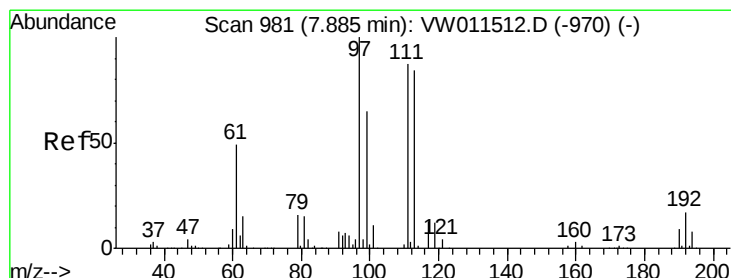
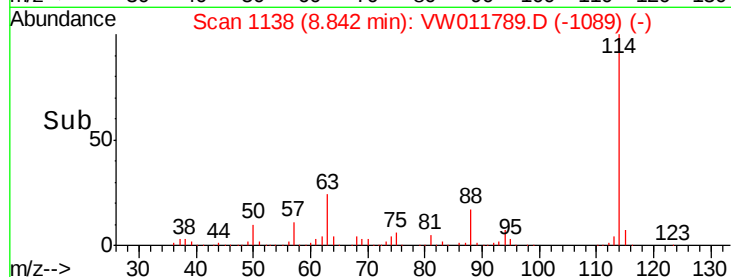
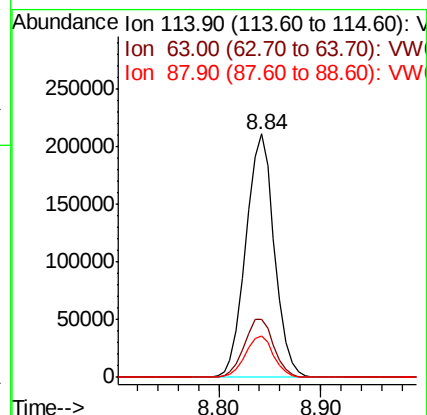
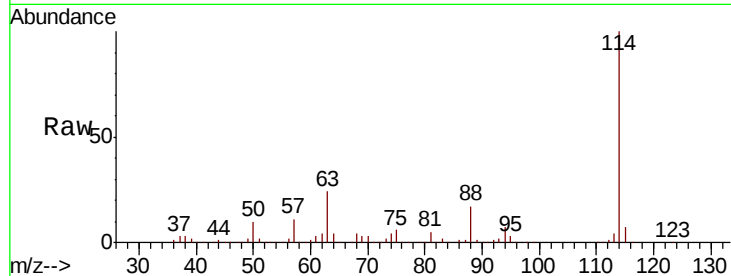




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011789.D
 Acq: 09 Aug 2019 01:05

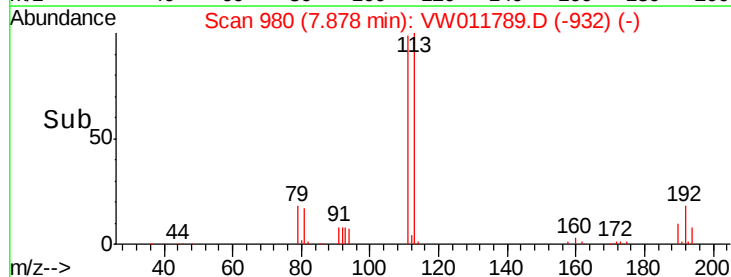
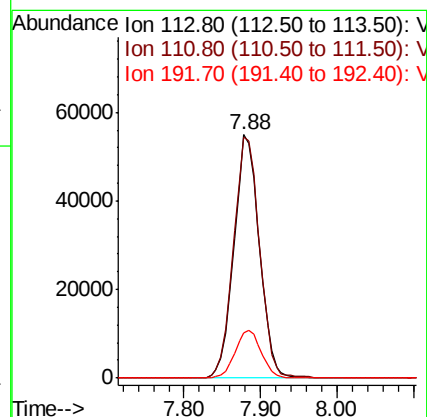
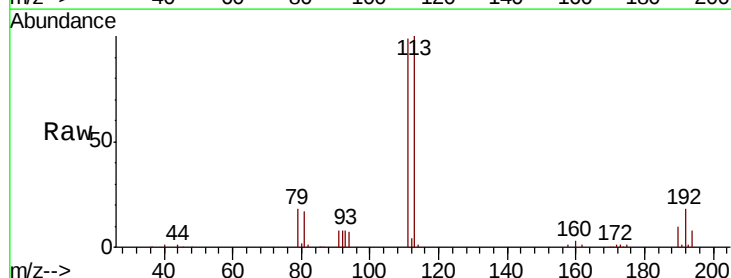
Instrument :
 MSVOA_W
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 2S-F1-(1)

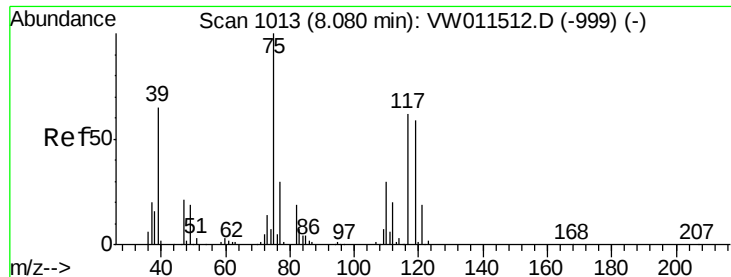
Tgt Ion:114 Resp: 408523
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 49.2
 88 16.8 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 55.201 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011789.D
 Acq: 09 Aug 2019 01:05

Tgt Ion:113 Resp: 126515
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.7 124.1
 192 19.9 16.1 24.1

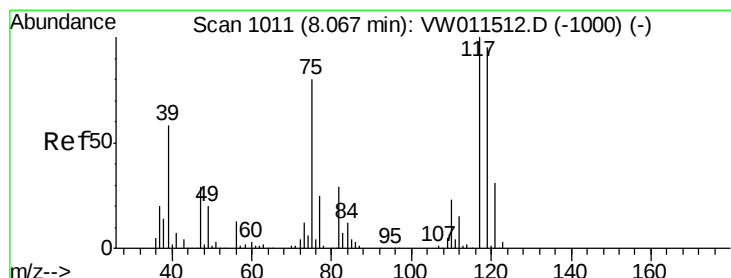
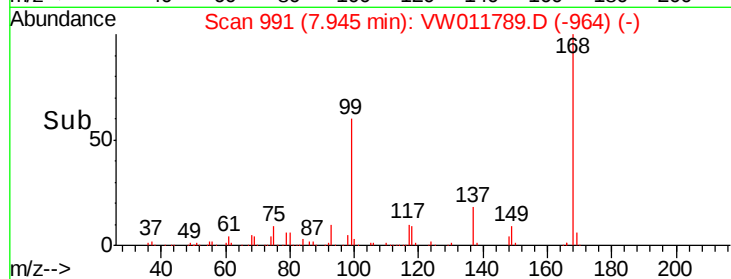
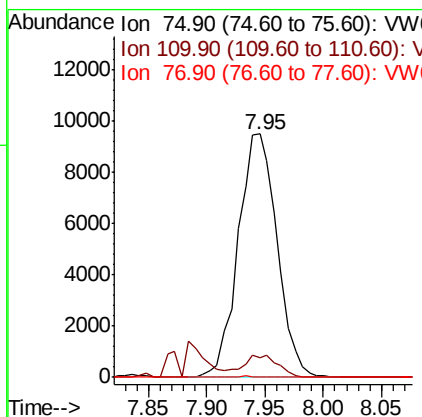
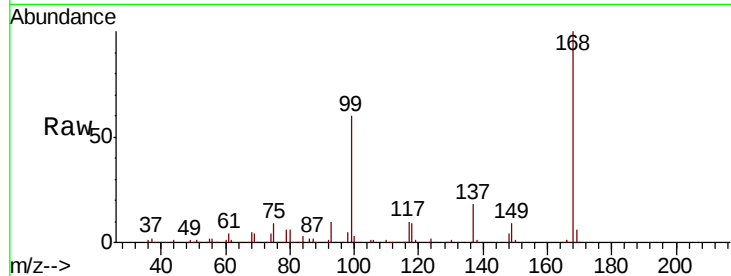




#36
 1,1-Dichloropropene
 Concen: 5.176 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011789.D
 Acq: 09 Aug 2019 01:05

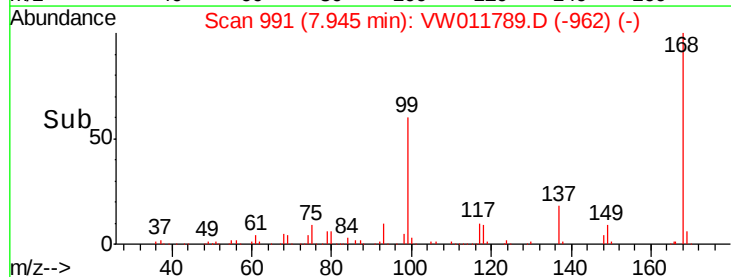
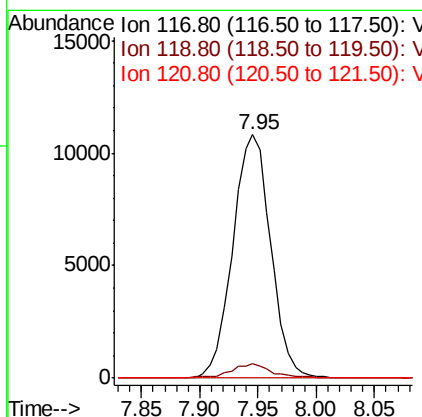
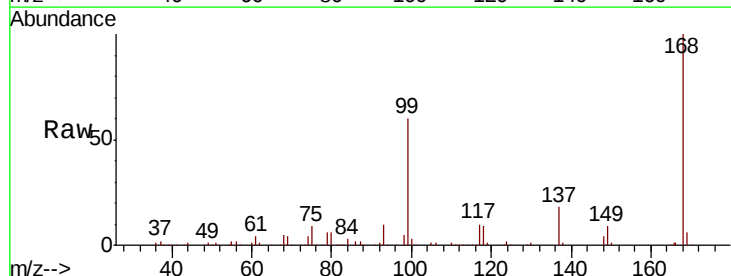
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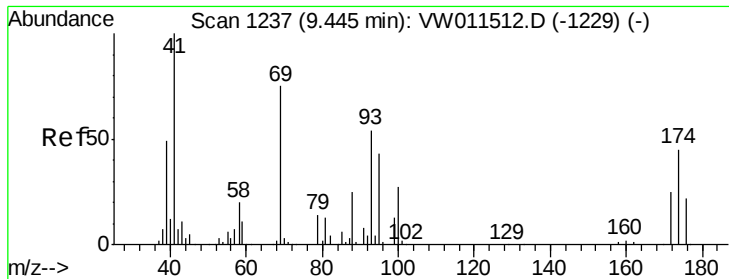
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	15.6	46.8#
77	0.1	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.727 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011789.D
 Acq: 09 Aug 2019 01:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	75.8	113.6#
121	0.0	24.7	37.1#





#49

1,4-Dioxane

Concen: 1.046 ug/l

RT: 9.57 min Scan# 1258

Delta R.T. 0.13 min

Lab File: VW011789.D

Acq: 09 Aug 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

2S-F1-(1)

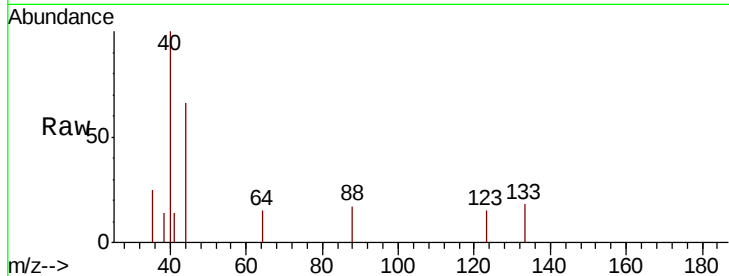
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 231.8 34.0 51.0#

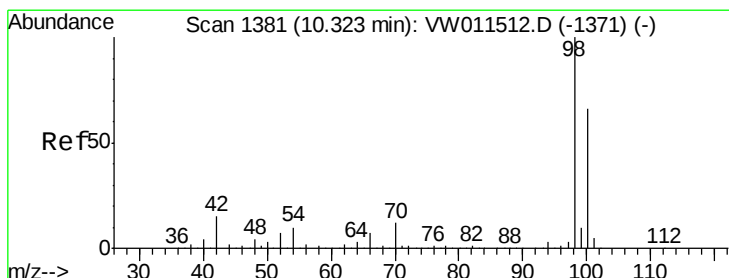
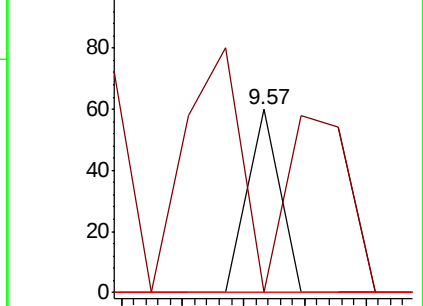
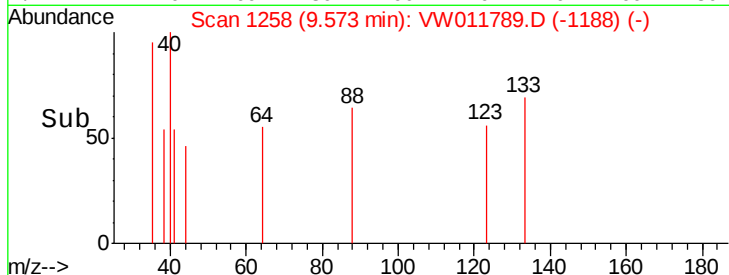
58 0.0 69.7 104.5#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 54.869 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011789.D

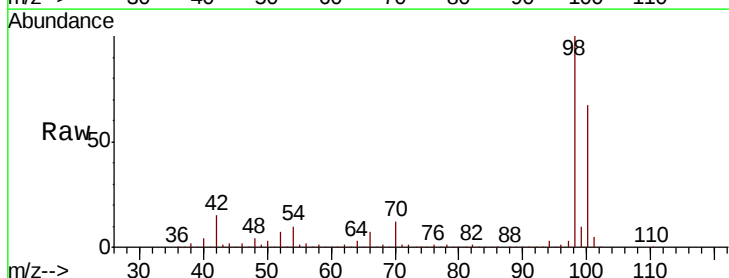
Acq: 09 Aug 2019 01:05

Tgt Ion: 98 Resp: 514874

Ion Ratio Lower Upper

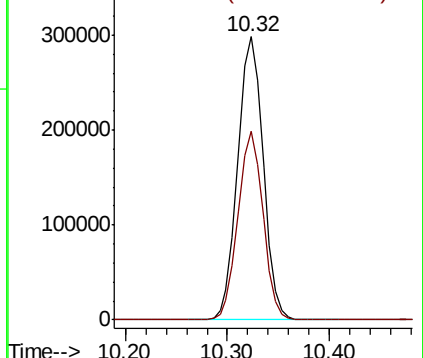
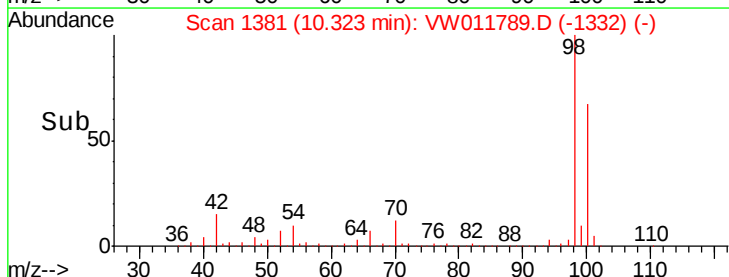
98 100

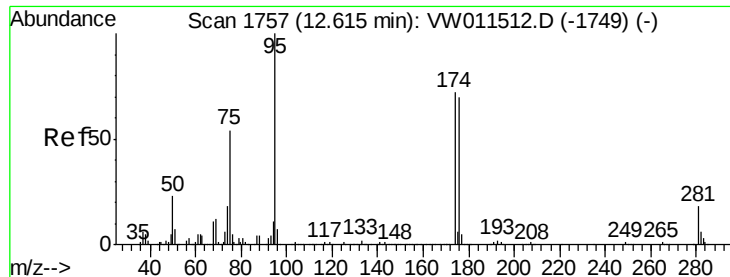
100 65.5 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 46.591 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011789.D

Acq: 09 Aug 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

2S-F1-(1)

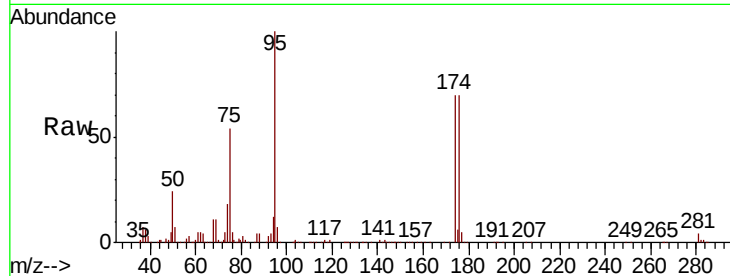
Tgt Ion: 95 Resp: 155868

Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.2

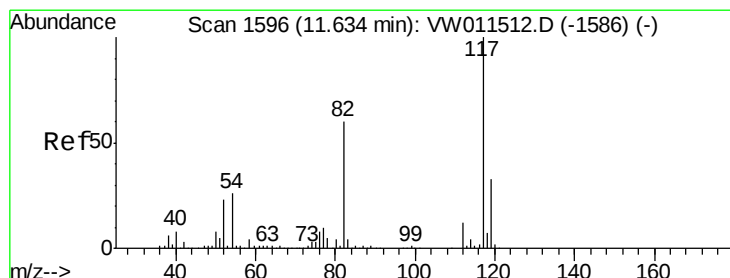
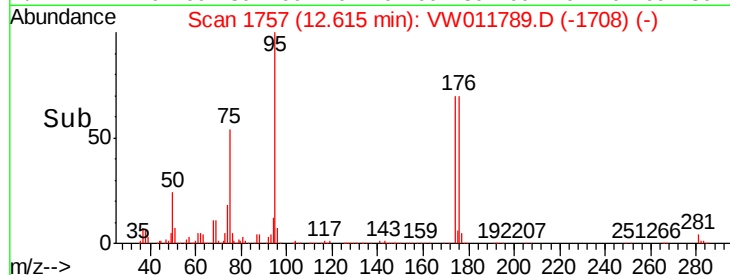
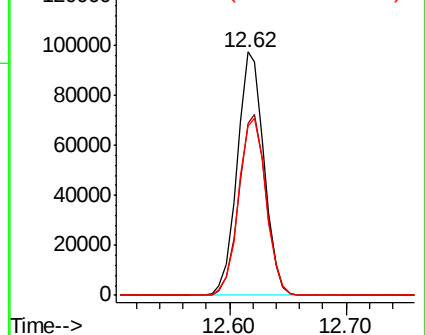
176 74.7 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW011789.D

Acq: 09 Aug 2019 01:05

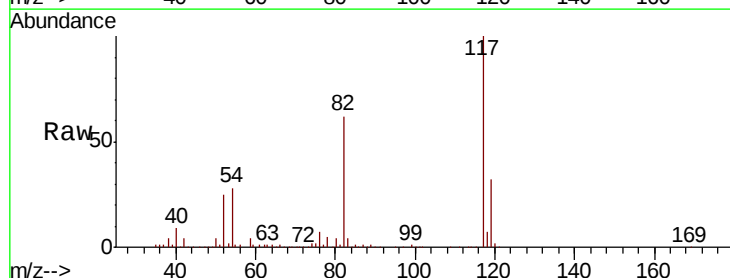
Tgt Ion: 117 Resp: 348489

Ion Ratio Lower Upper

117 100

82 61.8 47.9 71.9

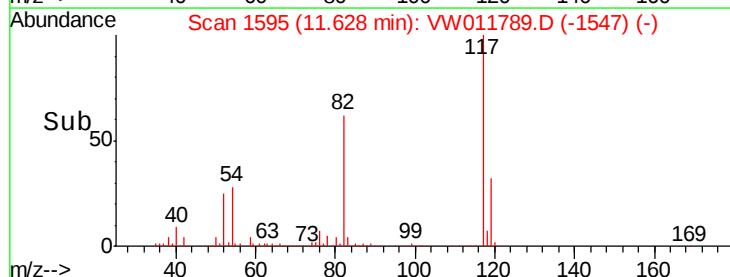
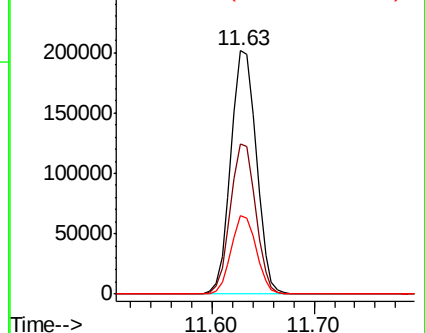
119 32.0 26.2 39.2

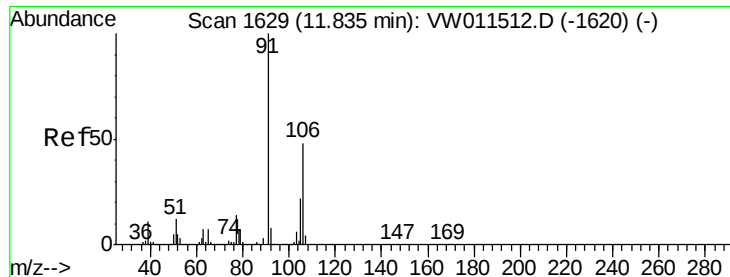


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

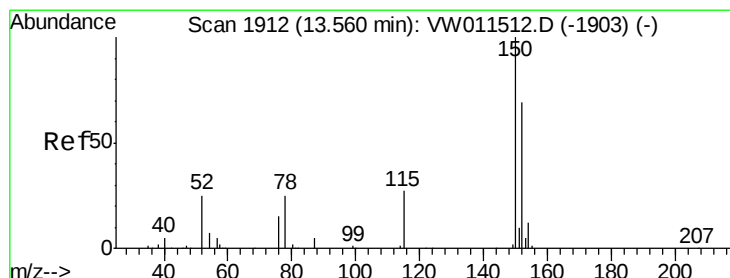
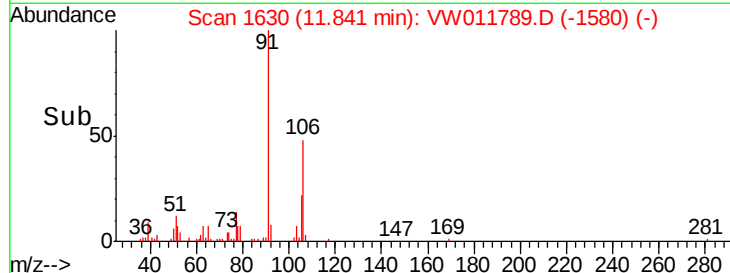
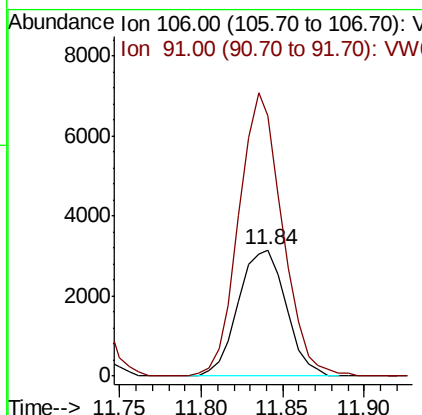
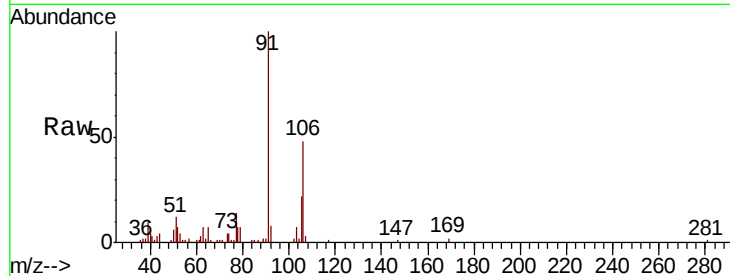




#68
m/p-Xylenes
Concen: 1.320 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011789.D
Acq: 09 Aug 2019 01:05

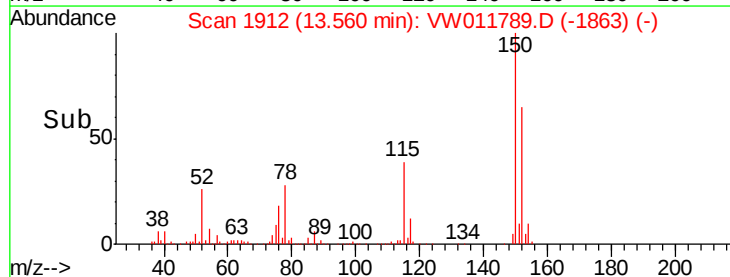
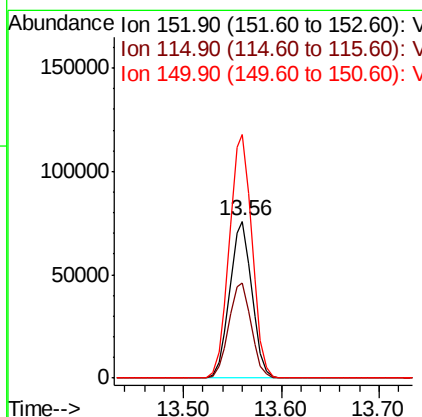
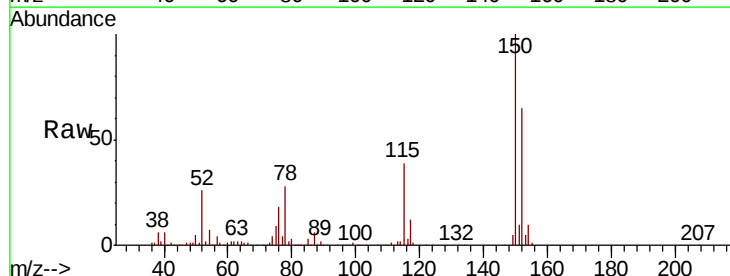
Instrument :
MSVOA_W
ClientSampleId :
2S-F1-(1)

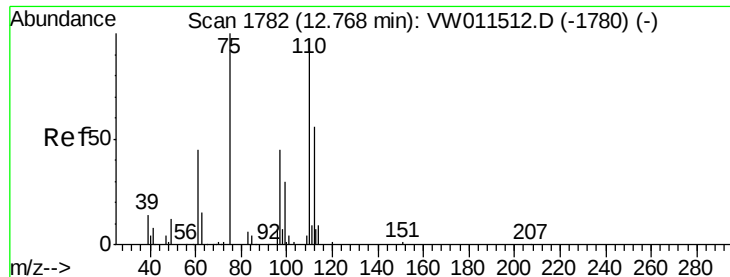
Tgt Ion:106 Resp: 6408
Ion Ratio Lower Upper
106 100
91 205.1 168.2 252.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011789.D
Acq: 09 Aug 2019 01:05

Tgt Ion:152 Resp: 119083
Ion Ratio Lower Upper
152 100
115 61.4 30.5 91.5
150 159.0 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 66.991 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011789.D

Acq: 09 Aug 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

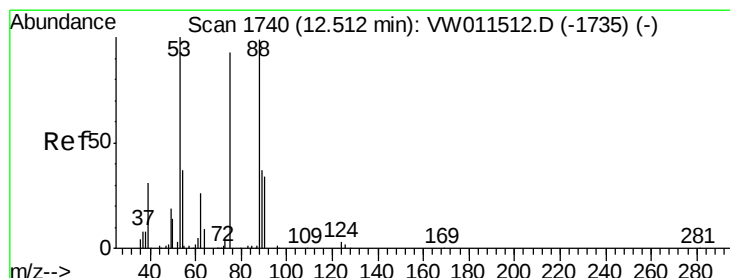
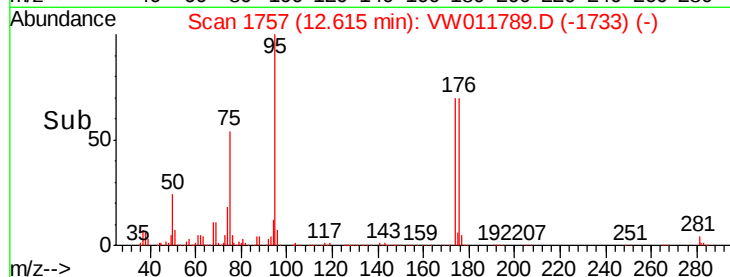
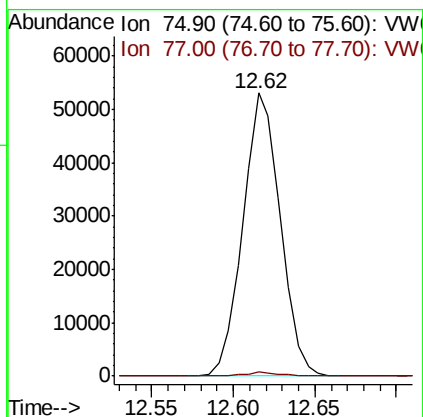
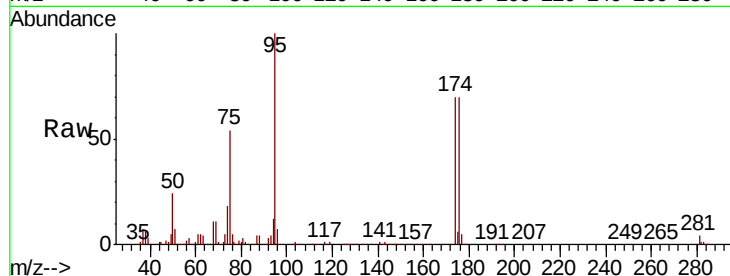
2S-F1-(1)

Tgt Ion: 75 Resp: 84411

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 154.391 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011789.D

Acq: 09 Aug 2019 01:05

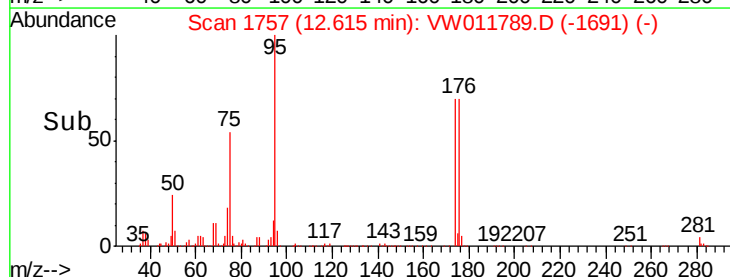
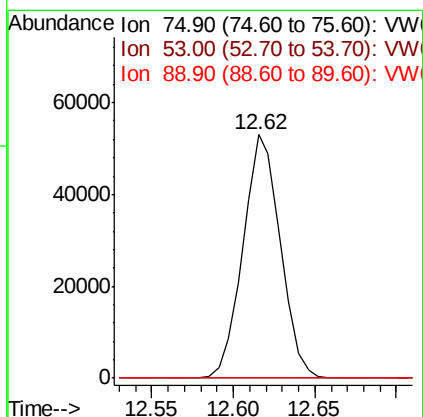
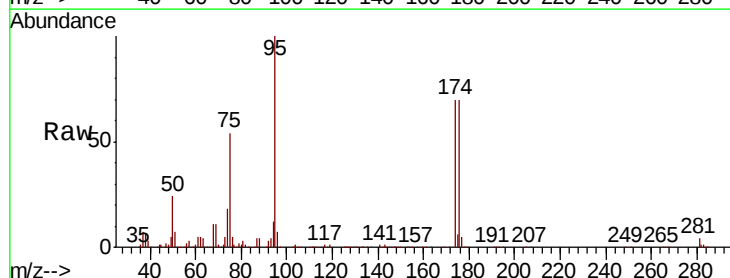
Tgt Ion: 75 Resp: 84411

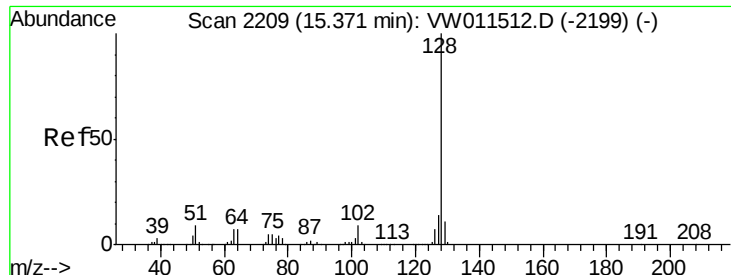
Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

89 0.0 35.3 52.9#





#95

Naphthalene

Concen: 2.145 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011789.D

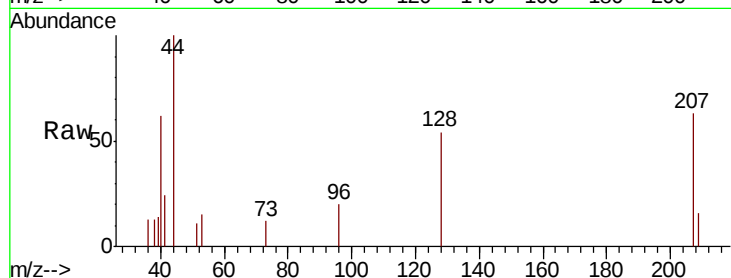
Acq: 09 Aug 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

2S-F1-(1)



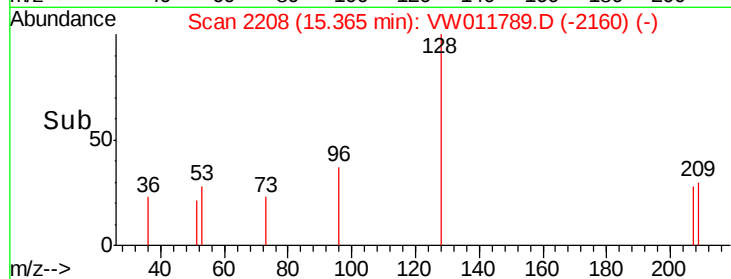
Tgt Ion:128 Resp: 386

Ion Ratio Lower Upper

128 100

127 6.2 10.6 16.0#

129 5.2 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

