

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081019\
 Data File : VW011785.D
 Acq On : 08 Aug 2019 23:21
 Operator : SY/VA
 Sample : K4228-03
 Misc : 6.15G/5ML/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-F1-(0)

Quant Time: Aug 09 05:37:49 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

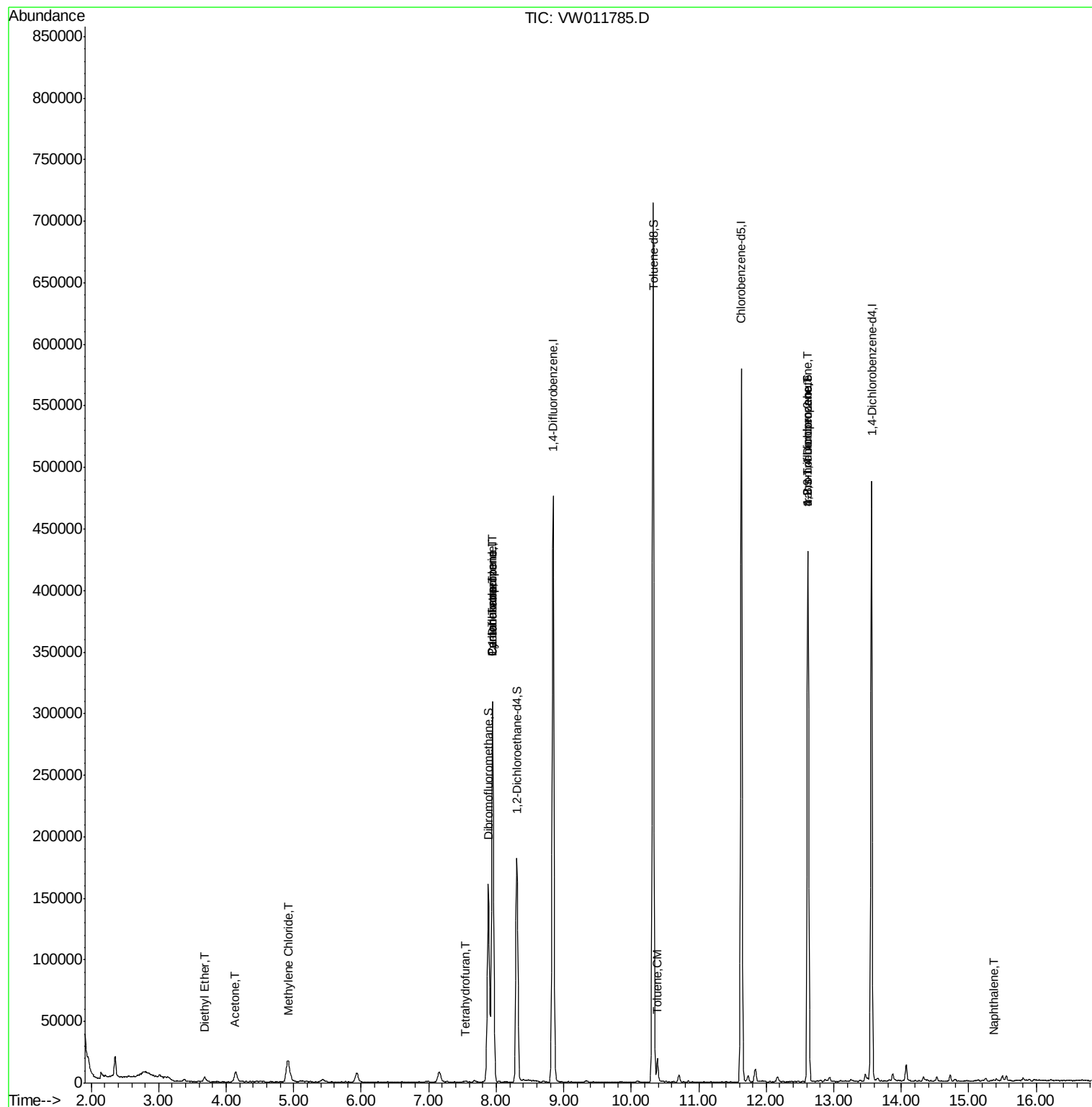
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	222348	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	369782	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	304753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	118577	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	143190	56.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.16%	
35) Dibromofluoromethane	7.88	113	113263	54.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.20%	
50) Toluene-d8	10.32	98	450787	53.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.14%	
62) 4-Bromofluorobenzene	12.62	95	141432	46.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.40%	
Target Compounds						
8) Diethyl Ether	3.68	74	2003	1.528	ug/l	86
11) Tert butyl alcohol	5.20	59	369	Below Cal	#	72
16) Acetone	4.14	43	17632	21.710	ug/l	99
20) Methylene Chloride	4.92	84	14282	5.099	ug/l	96
29) Tetrahydrofuran	7.54	42	728	1.198	ug/l #	89
31) Cyclohexane	7.94	56	5788	1.212	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18929	4.923	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22256	6.761	ug/l #	17
52) Toluene	10.39	92	7126	1.096	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	76145	60.689	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76145	139.867	ug/l #	6
95) Naphthalene	15.37	128	836	2.237	ug/l #	84

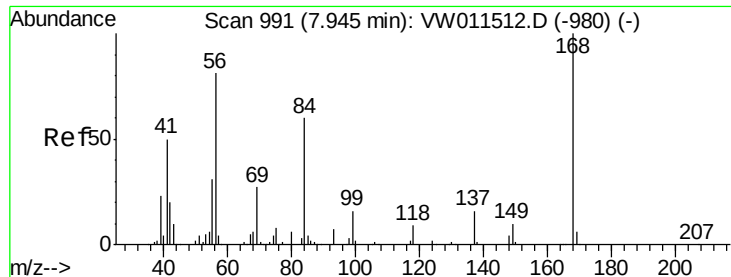
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW081019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

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Acq: 08 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

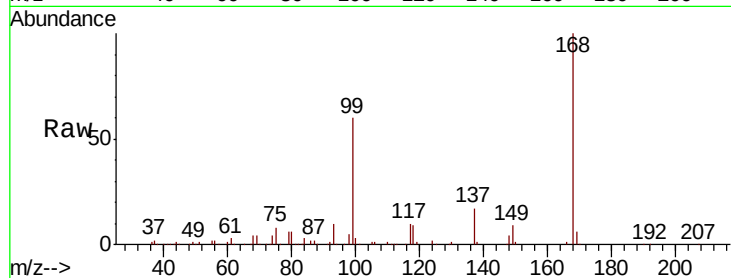
2S-F1-(0)

Tgt Ion:168 Resp: 222348

Ion Ratio Lower Upper

168 100

99 60.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

40000

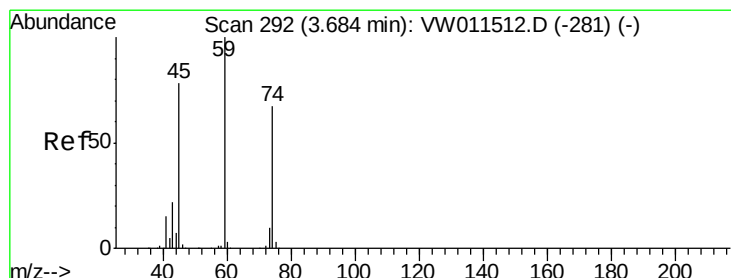
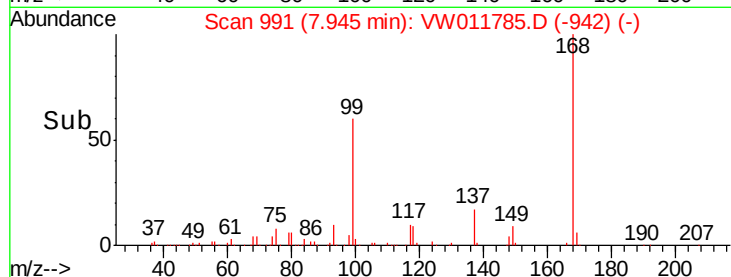
20000

0

7.90

8.00

Time-->



#8

Diethyl Ether

Concen: 1.528 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.00 min

Lab File: VW011785.D

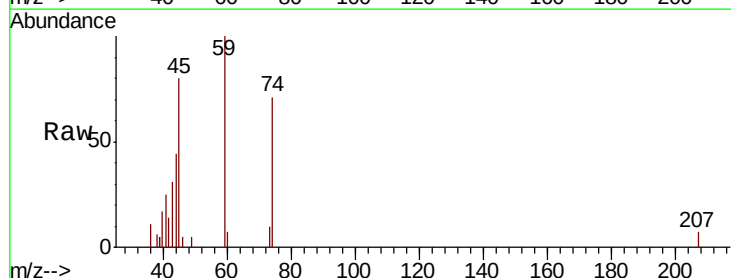
Acq: 08 Aug 2019 23:21

Tgt Ion: 74 Resp: 2003

Ion Ratio Lower Upper

74 100

45 134.2 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

1000

800

600

400

200

0

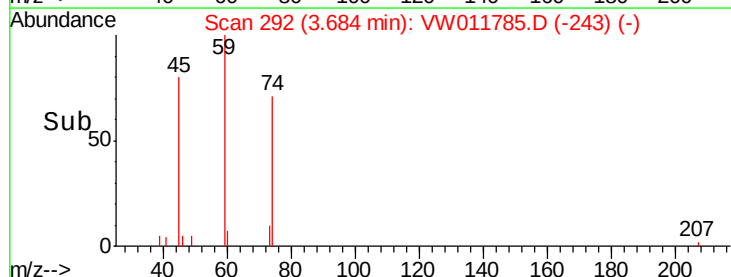
3.60

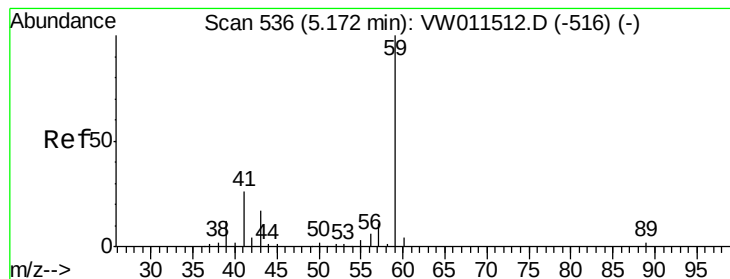
3.65

3.70

3.75

Time-->



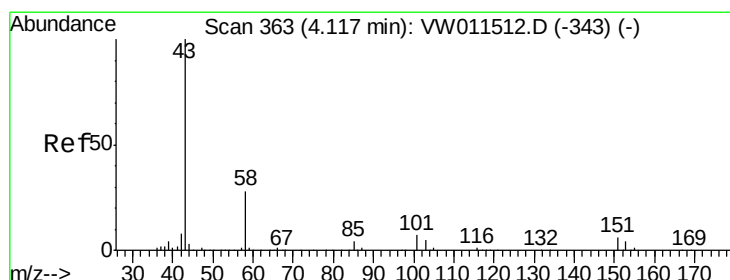
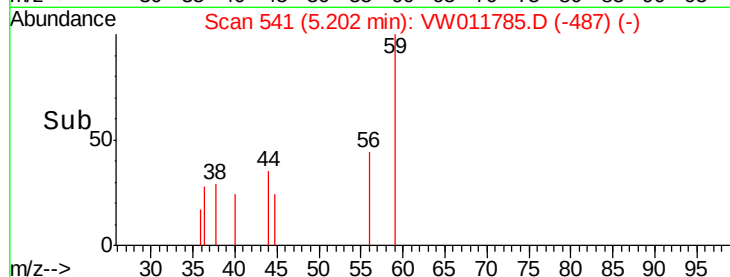
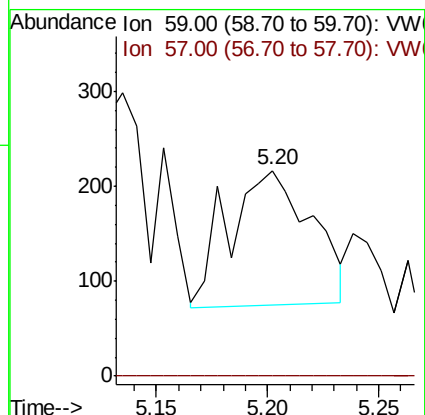
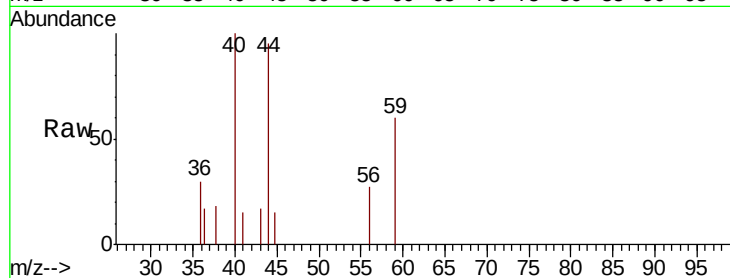


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 541
 Delta R.T. 0.03 min
 Lab File: VW011785.D
 Acq: 08 Aug 2019 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-F1-(0)

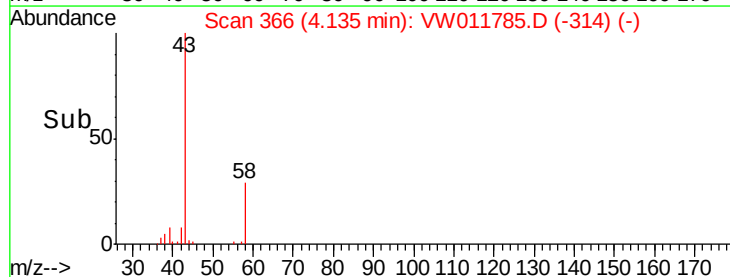
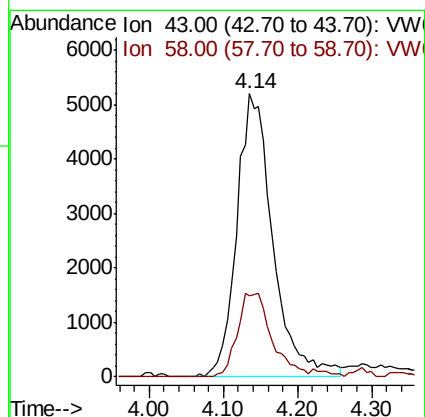
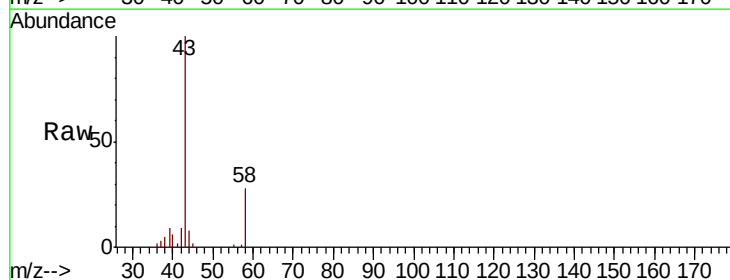
Tgt Ion: 59 Resp: 369
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

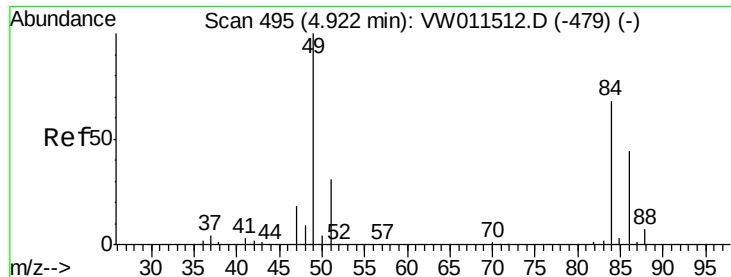


#16

Acetone
 Concen: 21.710 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VW011785.D
 Acq: 08 Aug 2019 23:21

Tgt Ion: 43 Resp: 17632
 Ion Ratio Lower Upper
 43 100
 58 28.5 22.3 33.5

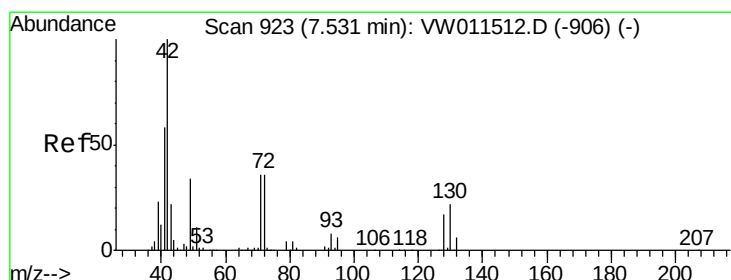
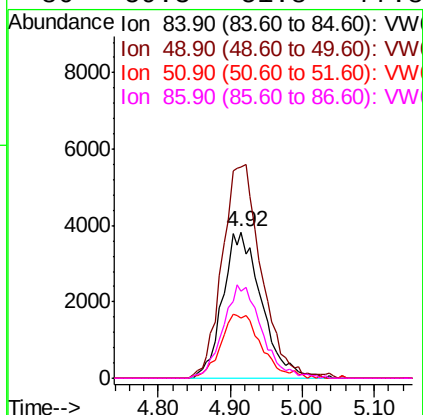
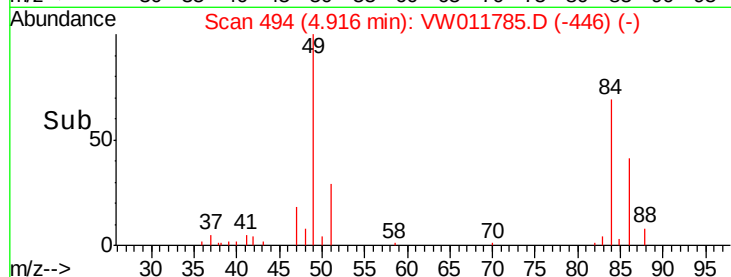
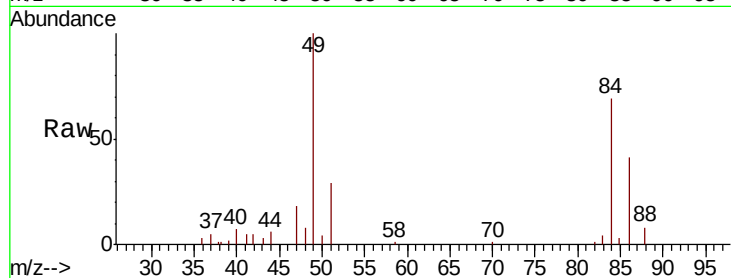




#20
Methylene Chloride
Concen: 5.099 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011785.D
Acq: 08 Aug 2019 23:21

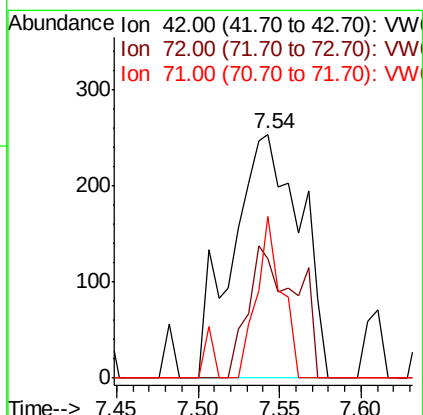
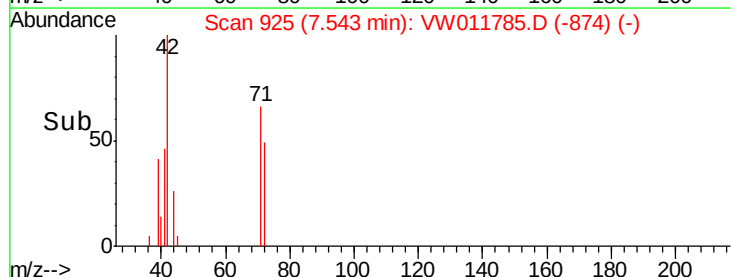
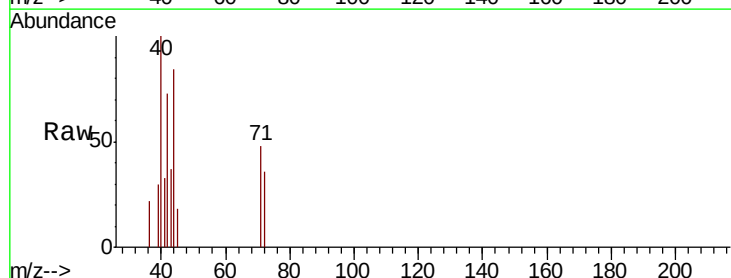
Instrument :
MSVOA_W
ClientSampleId :
2S-F1-(0)

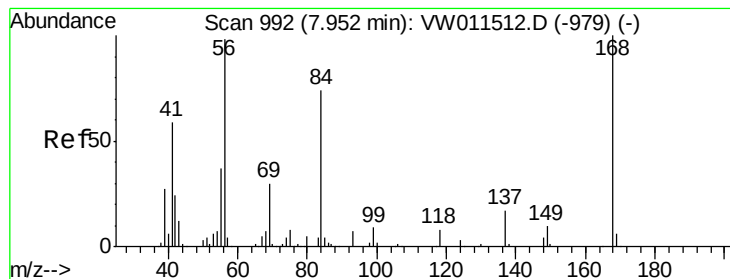
Tgt Ion:	84	Resp:	14282
Ion	Ratio	Lower	Upper
84	100		
49	144.9	117.8	176.6
51	41.6	37.0	55.4
86	59.3	51.8	77.8



#29
Tetrahydrofuran
Concen: 1.198 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW011785.D
Acq: 08 Aug 2019 23:21

Tgt Ion:	42	Resp:	728
Ion	Ratio	Lower	Upper
42	100		
72	38.2	27.1	40.7
71	24.6	26.2	39.4#





#31

Cyclohexane

Concen: 1.212 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011785.D

Acq: 08 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

2S-F1-(0)

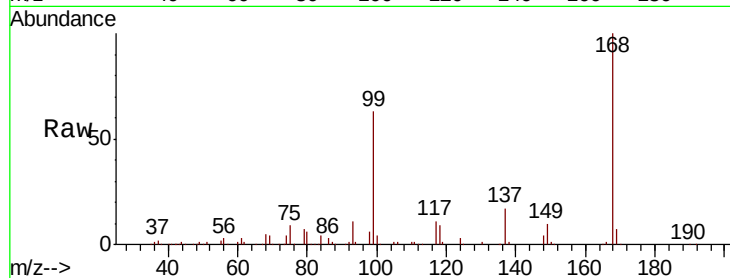
Tgt Ion: 56 Resp: 5788

Ion Ratio Lower Upper

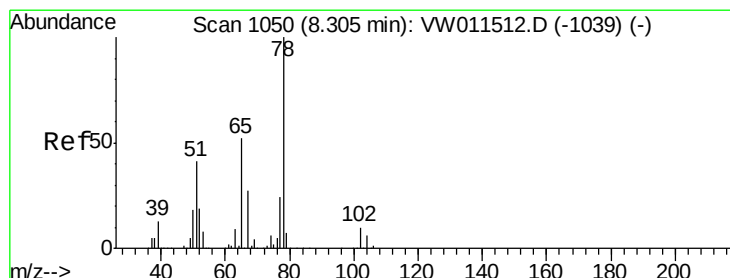
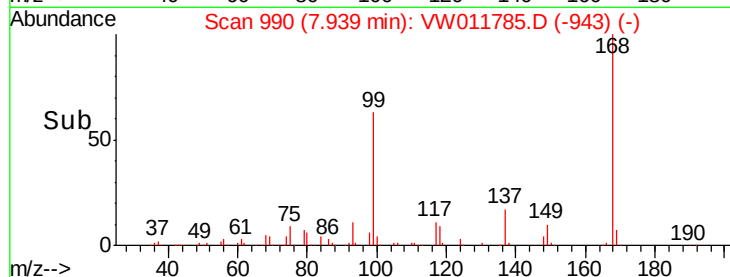
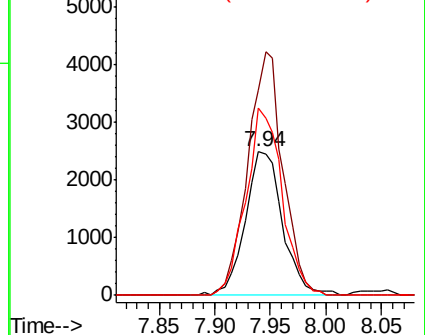
56 100

69 143.3 24.3 36.5#

84 130.0 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



#33

1,2-Dichloroethane-d4

Concen: 56.083 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011785.D

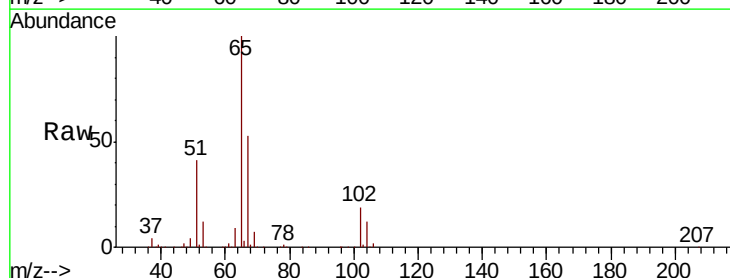
Acq: 08 Aug 2019 23:21

Tgt Ion: 65 Resp: 143190

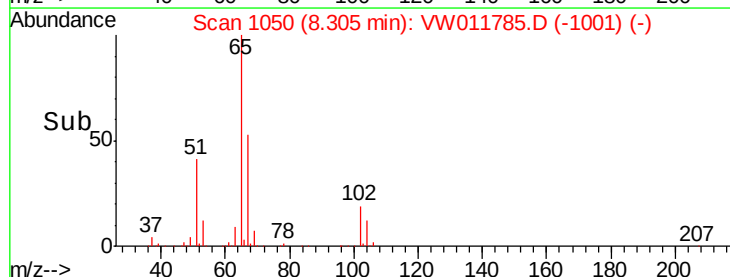
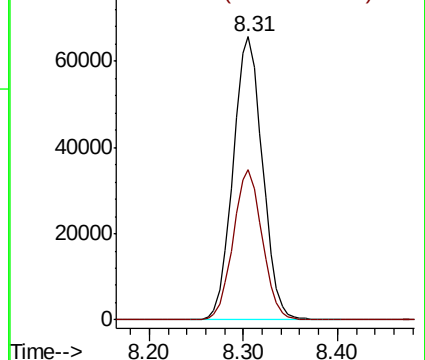
Ion Ratio Lower Upper

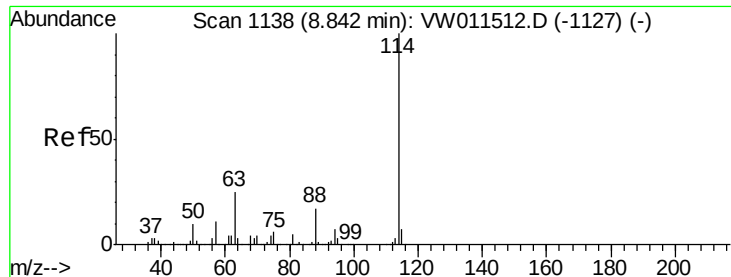
65 100

67 52.3 0.0 105.2



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

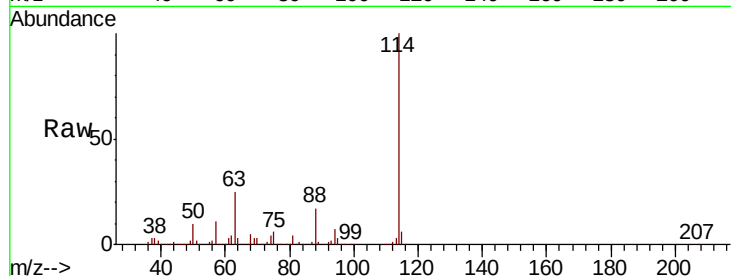




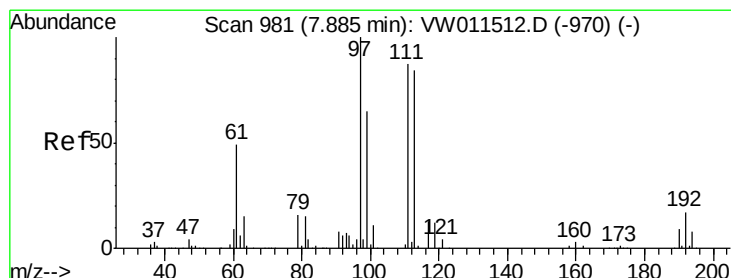
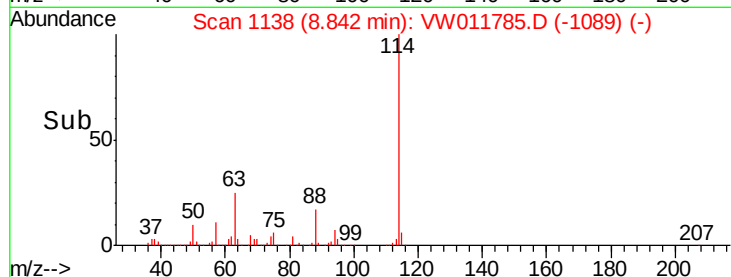
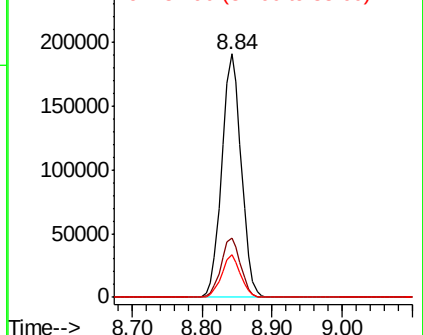
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011785.D
 Acq: 08 Aug 2019 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-F1-(0)

Tgt Ion:114 Resp: 369782
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 17.3 0.0 33.8

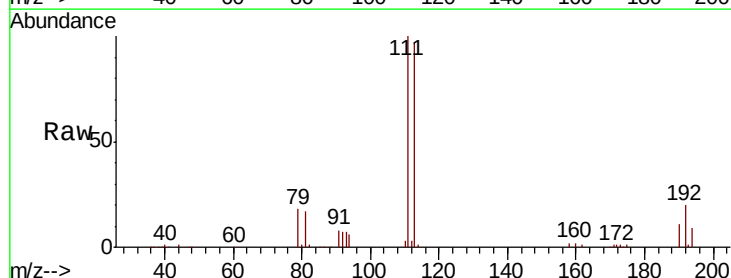


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

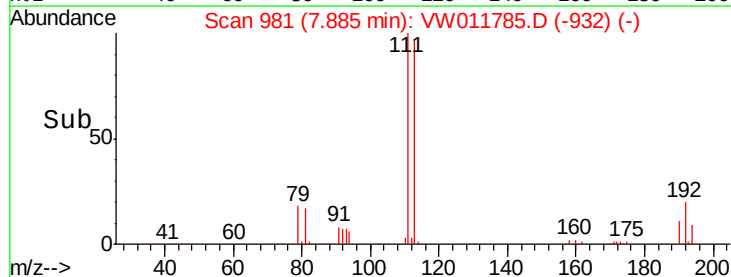
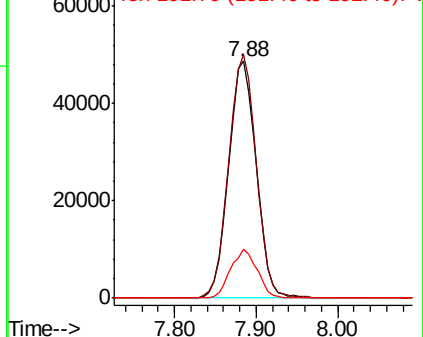


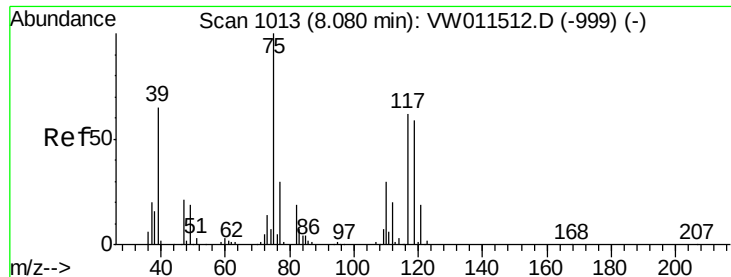
#35
 Dibromofluoromethane
 Concen: 54.597 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011785.D
 Acq: 08 Aug 2019 23:21

Tgt Ion:113 Resp: 113263
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.7 124.1
 192 20.0 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

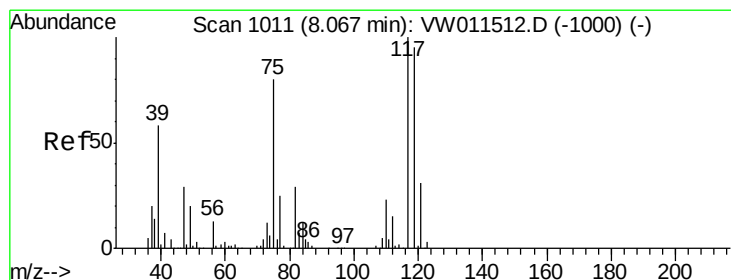
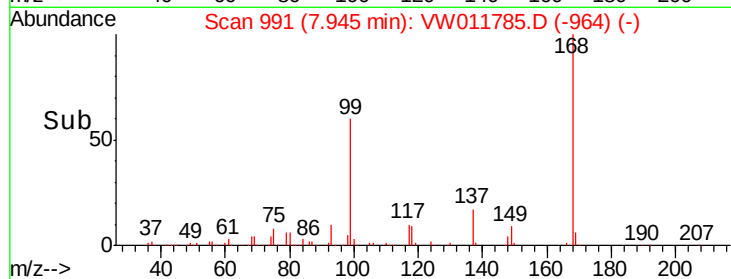
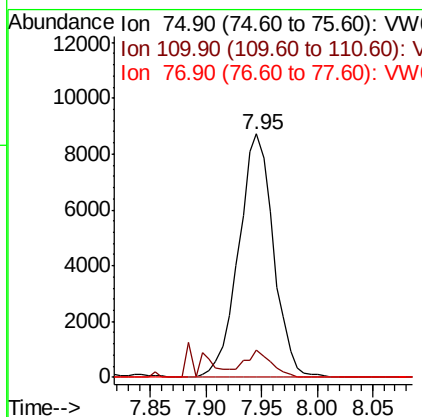
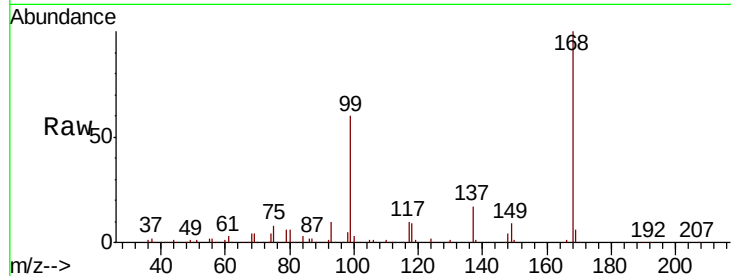




#36
 1,1-Dichloropropene
 Concen: 4.923 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011785.D
 Acq: 08 Aug 2019 23:21

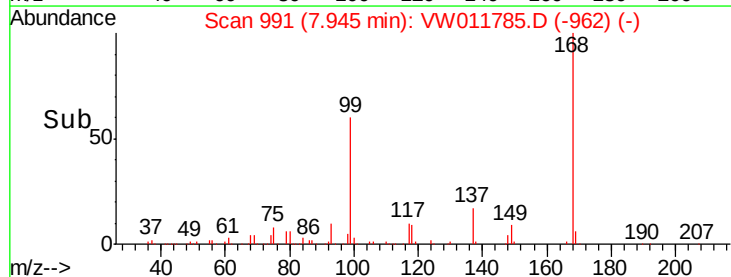
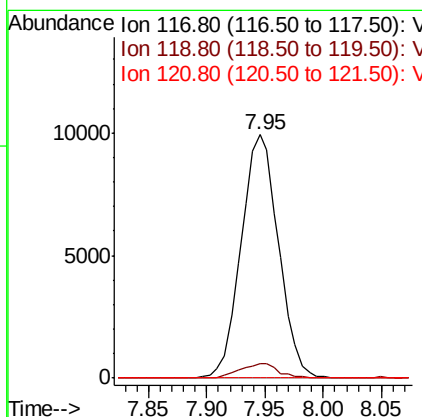
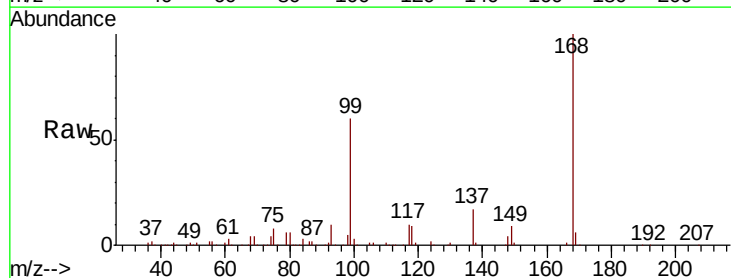
Instrument :
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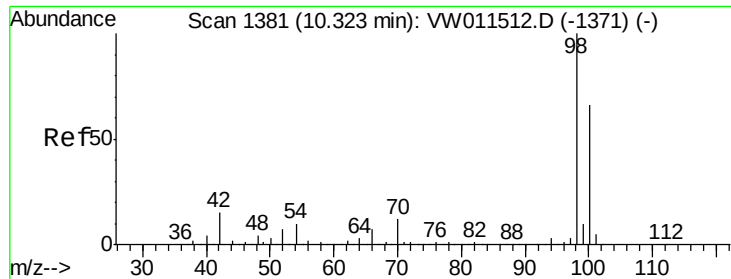
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.761 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011785.D
 Acq: 08 Aug 2019 23:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	75.8	113.6#
121	0.0	24.7	37.1#

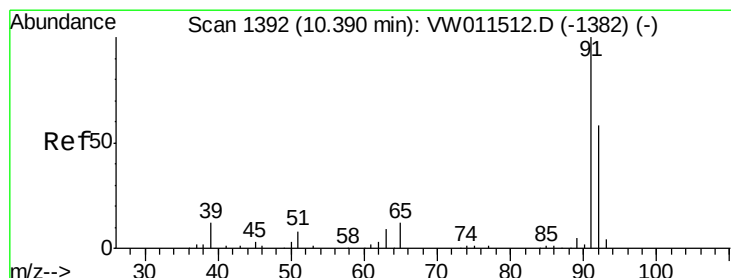
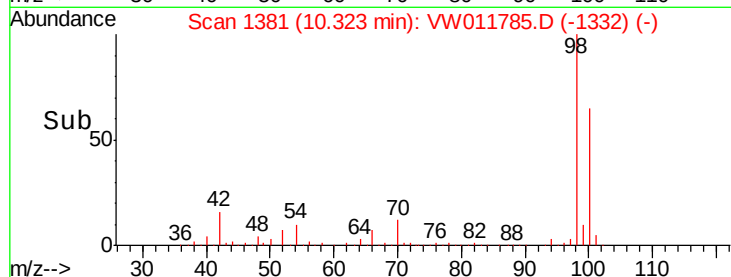
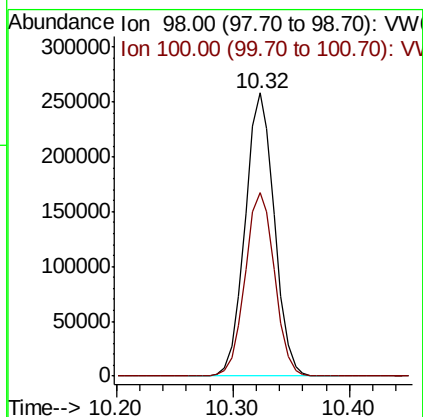
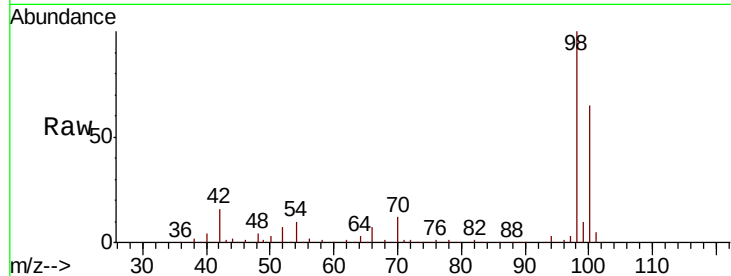




#50
Toluene-d8
Concen: 53.073 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011785.D
Acq: 08 Aug 2019 23:21

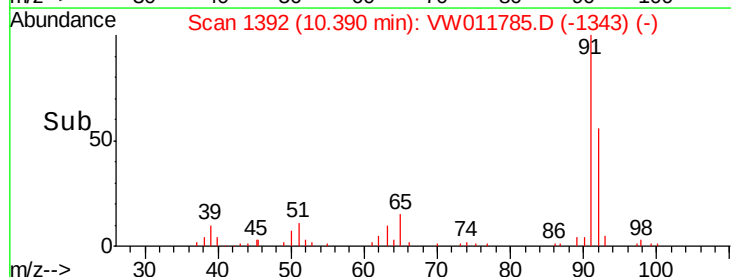
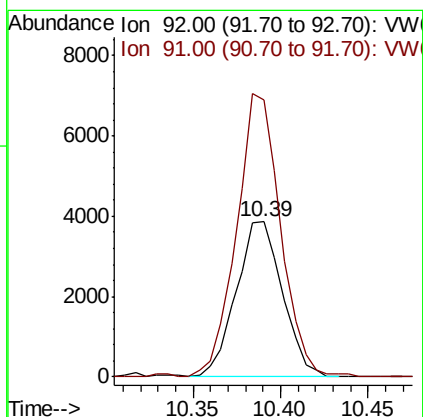
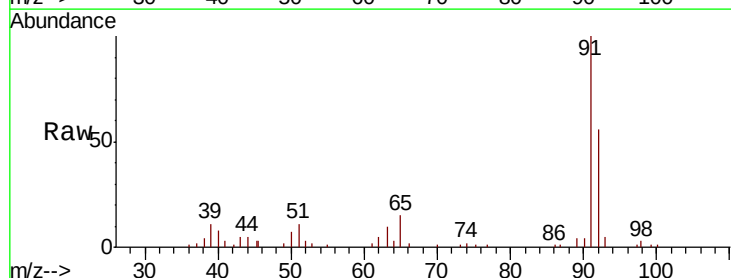
Instrument :
MSVOA_W
ClientSampleId :
2S-F1-(0)

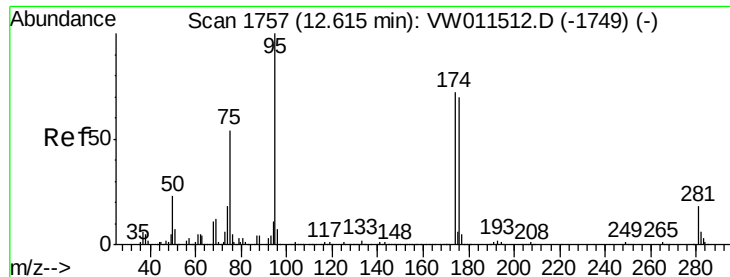
Tgt Ion: 98 Resp: 450787
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1



#52
Toluene
Concen: 1.096 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW011785.D
Acq: 08 Aug 2019 23:21

Tgt Ion: 92 Resp: 7126
Ion Ratio Lower Upper
92 100
91 173.0 136.7 205.1





#62

4-Bromofluorobenzene

Concen: 46.705 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011785.D

Acq: 08 Aug 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

2S-F1-(0)

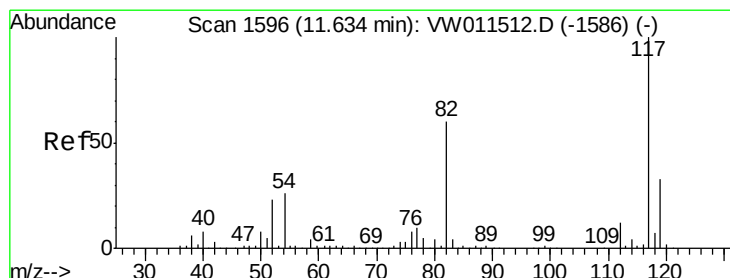
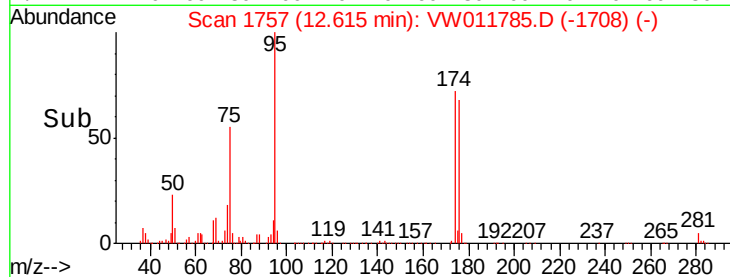
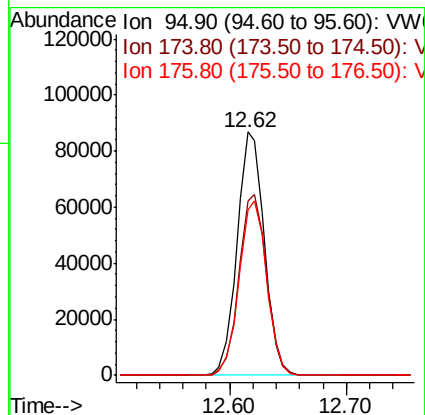
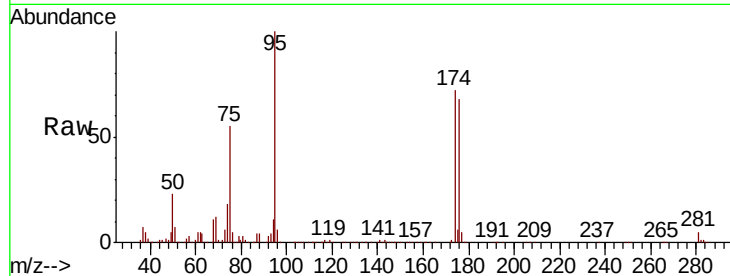
Tgt Ion: 95 Resp: 141432

Ion Ratio Lower Upper

95 100

174 75.5 0.0 150.2

176 72.6 0.0 144.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW011785.D

Acq: 08 Aug 2019 23:21

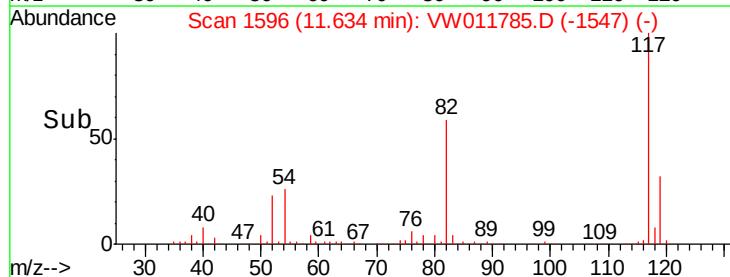
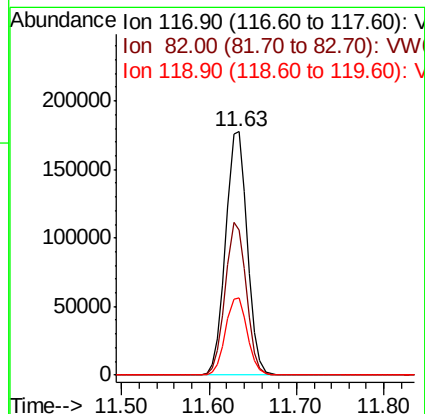
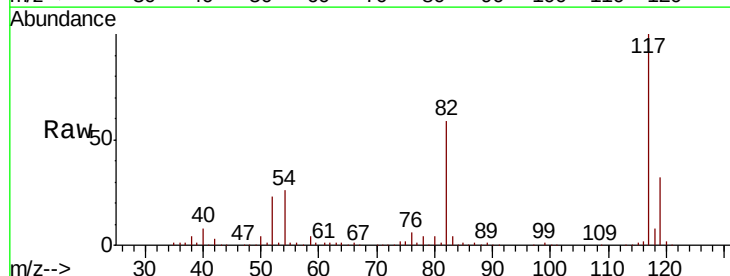
Tgt Ion: 117 Resp: 304753

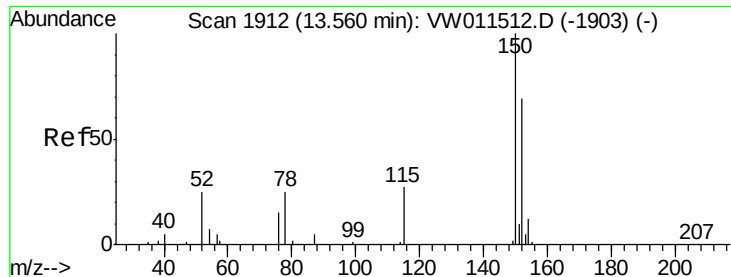
Ion Ratio Lower Upper

117 100

82 59.5 47.9 71.9

119 32.0 26.2 39.2

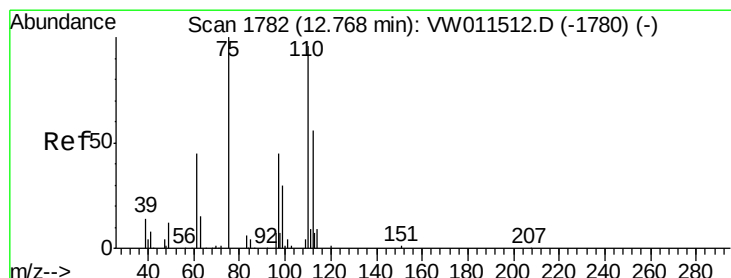
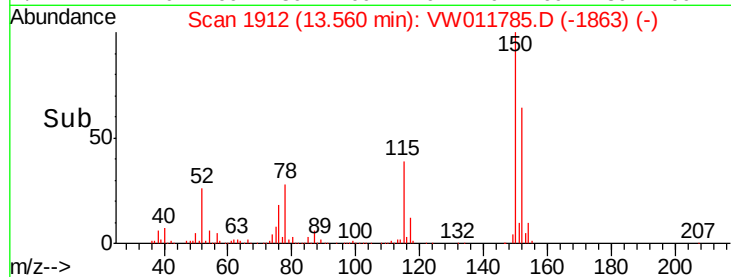
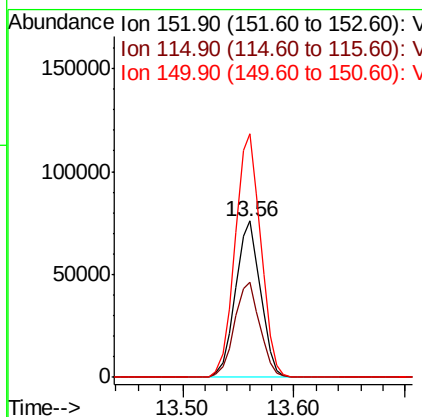
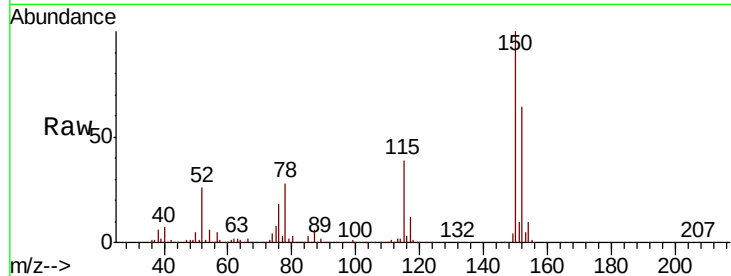




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW011785.D
 Acq: 08 Aug 2019 23:21

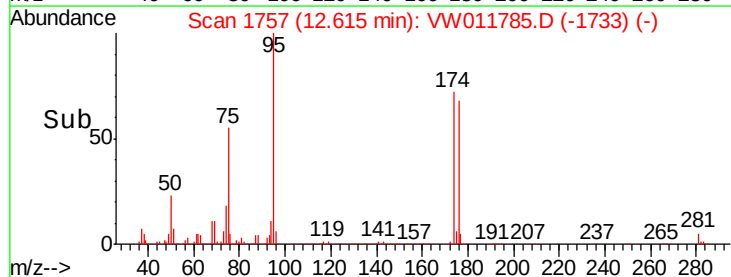
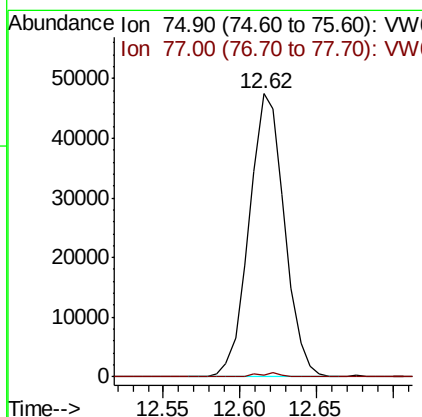
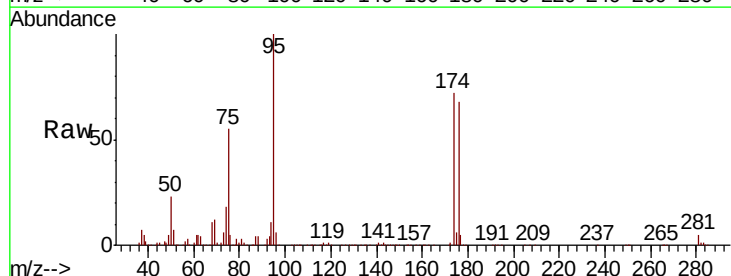
Instrument :
 MSVOA_W
 ClientSampleId :
 2S-F1-(0)

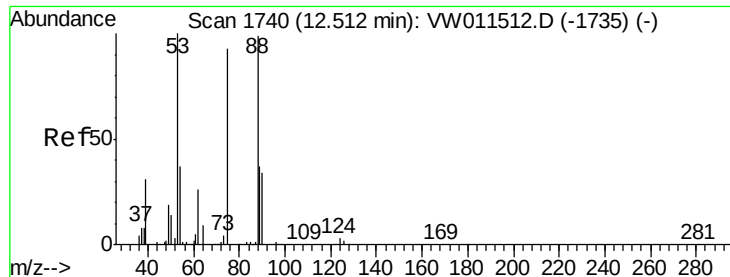
Tgt Ion:152 Resp: 118577
 Ion Ratio Lower Upper
 152 100
 115 61.4 30.5 91.5
 150 158.8 0.0 352.6



#76
 1,2,3-Trichloropropane
 Concen: 60.689 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011785.D
 Acq: 08 Aug 2019 23:21

Tgt Ion: 75 Resp: 76145
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

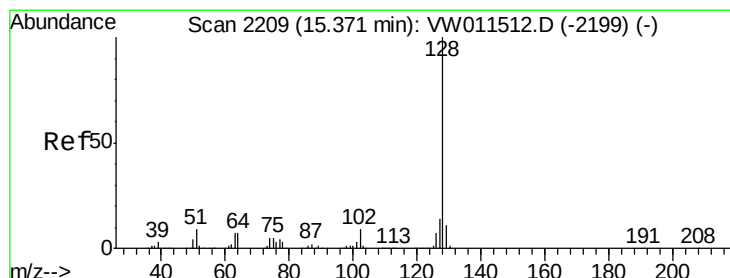
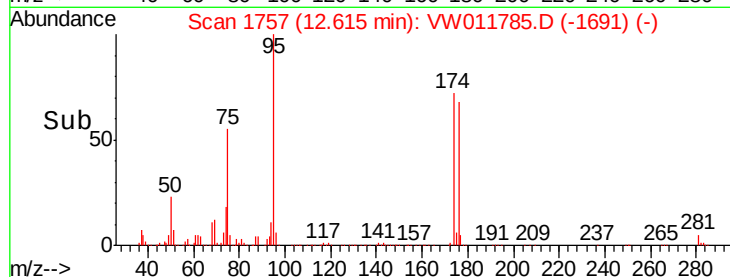
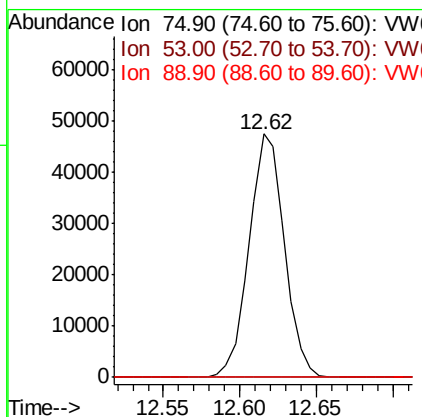
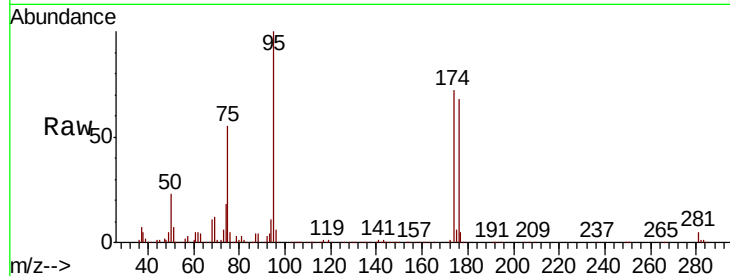




#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.867 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011785.D
 Acq: 08 Aug 2019 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-F1-(0)

Tgt Ion: 75 Resp: 76145
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.0 132.0#
 89 0.0 35.3 52.9#



#95
 Naphthalene
 Concen: 2.237 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW011785.D
 Acq: 08 Aug 2019 23:21

Tgt Ion: 128 Resp: 836
 Ion Ratio Lower Upper
 128 100
 127 5.5 10.6 16.0#
 129 6.2 8.6 13.0#

