

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081019\
 Data File : VW011799.D
 Acq On : 09 Aug 2019 05:23
 Operator : SY/VA
 Sample : K4228-20
 Misc : 5.25G/5ML/MSVOA_W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-I3-(1)

Quant Time: Aug 09 06:31:54 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

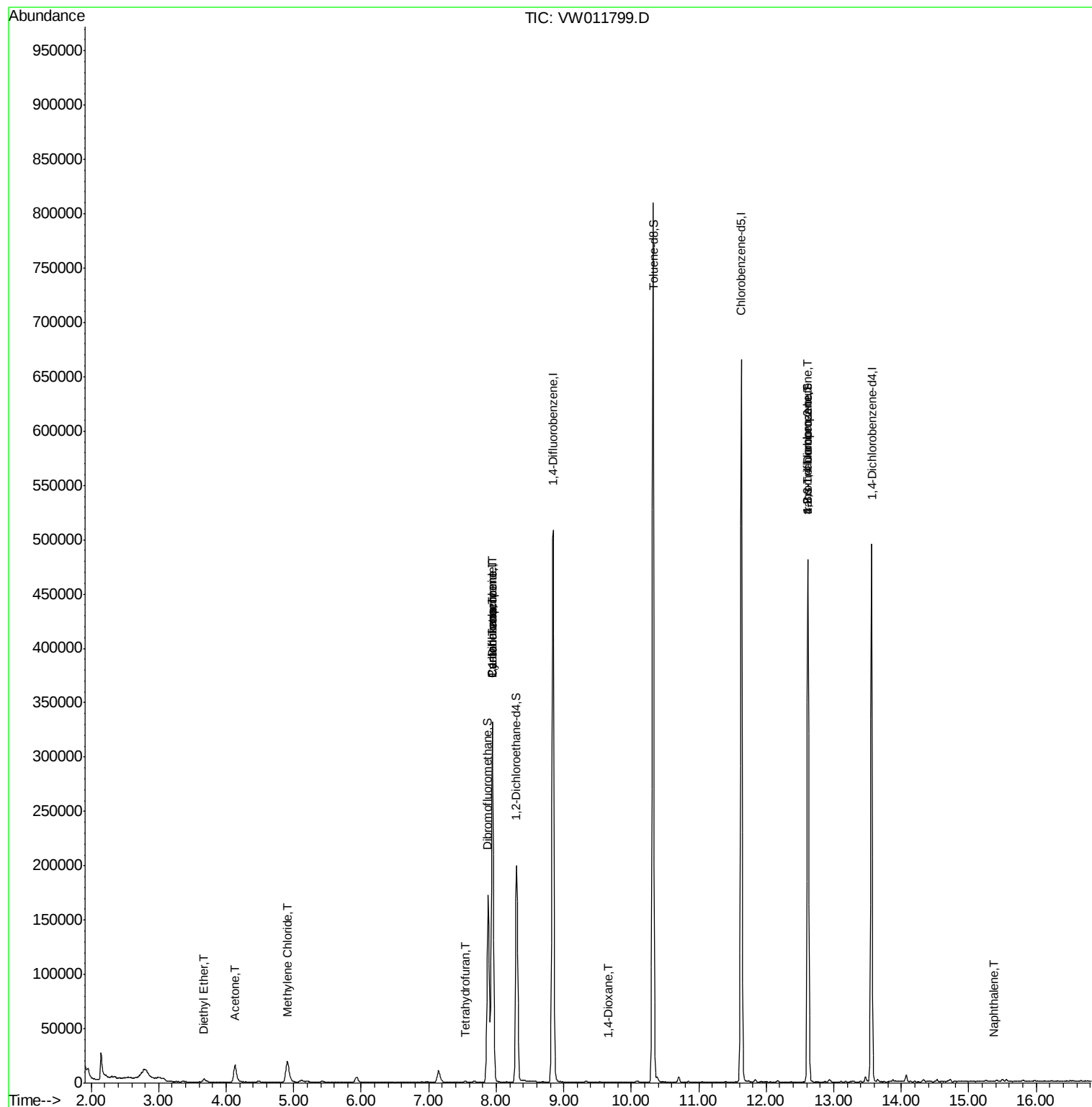
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	240900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	408076	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	341308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	124041	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	161631	58.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.86%	
35) Dibromofluoromethane	7.88	113	123893	54.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.24%	
50) Toluene-d8	10.32	98	510072	54.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.84%	
62) 4-Bromofluorobenzene	12.62	95	155839	46.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.26%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	1482	1.043	ug/l	77
11) Tert butyl alcohol	5.20	59	230	Below Cal	#	67
16) Acetone	4.14	43	31467	35.761	ug/l	94
20) Methylene Chloride	4.90	84	13806	4.549	ug/l	97
29) Tetrahydrofuran	7.55	42	838	1.273	ug/l #	48
31) Cyclohexane	7.95	56	6435	1.244	ug/l #	5
36) 1,1-Dichloropropene	7.95	75	21336	5.028	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24723	6.806	ug/l #	16
49) 1,4-Dioxane	9.66	88	26	1.237	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	83206	63.395	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	83206	146.104	ug/l #	6
95) Naphthalene	15.37	128	260	2.117	ug/l #	69

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011799.D

Acq: 09 Aug 2019 05:23

Instrument :

MSVOA_W

ClientSampleId :

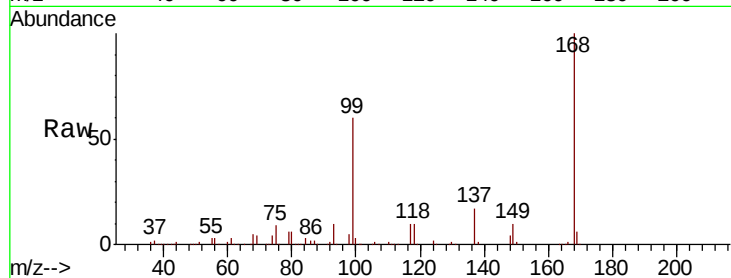
2S-I3-(1)

Tgt Ion:168 Resp: 240900

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

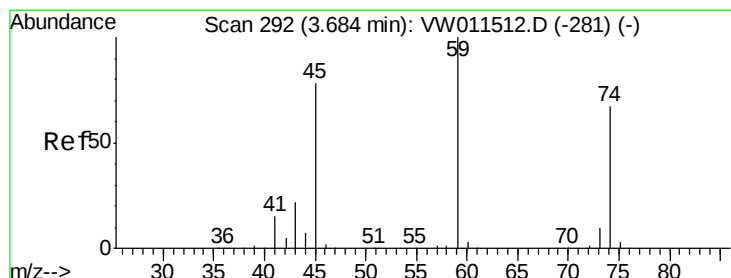
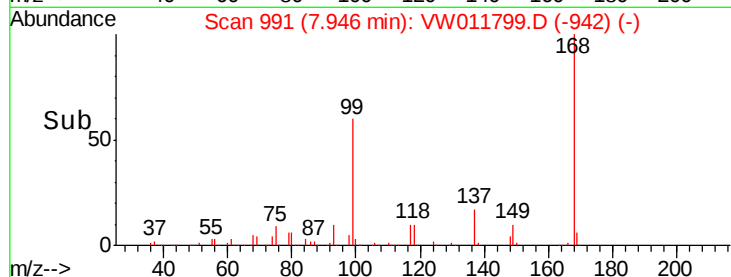
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.043 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW011799.D

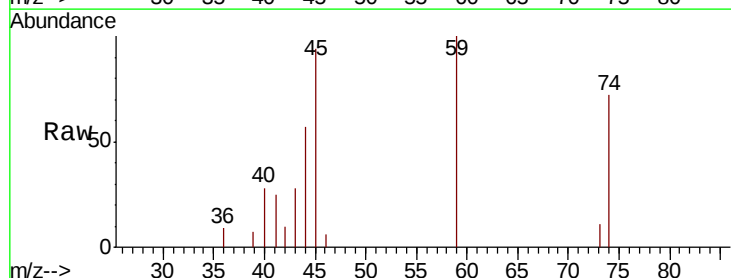
Acq: 09 Aug 2019 05:23

Tgt Ion: 74 Resp: 1482

Ion Ratio Lower Upper

74 100

45 144.5 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

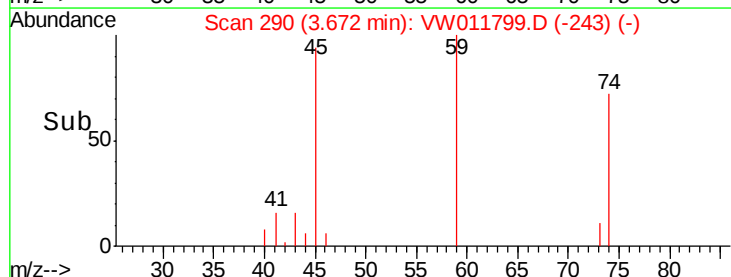
600

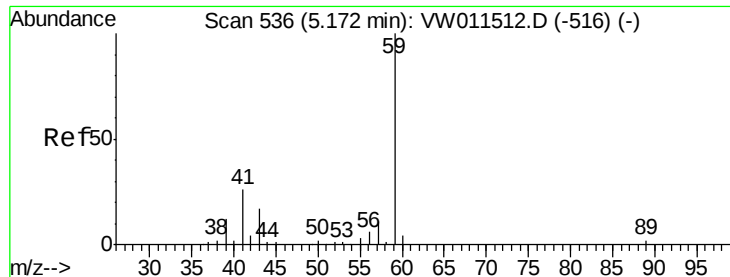
400

200

0

Time--> 3.60 3.65 3.70 3.75

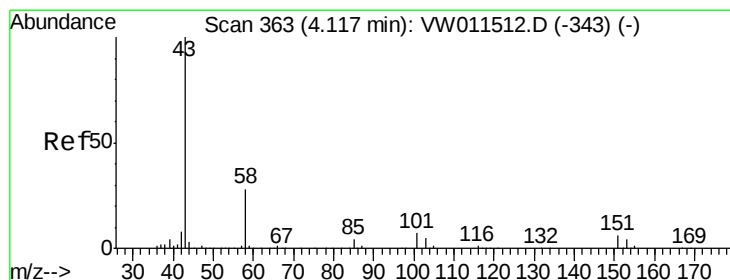
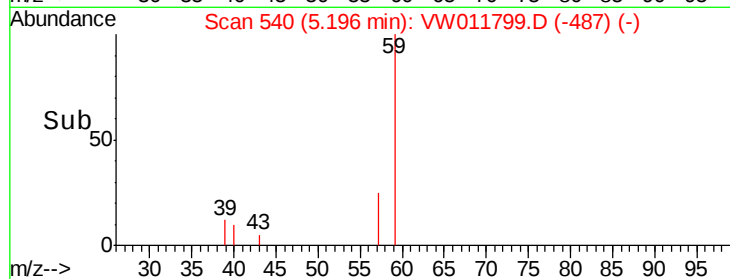
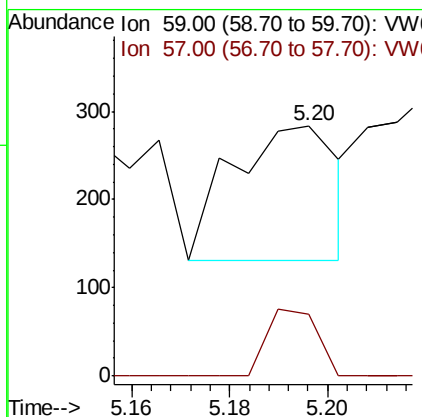
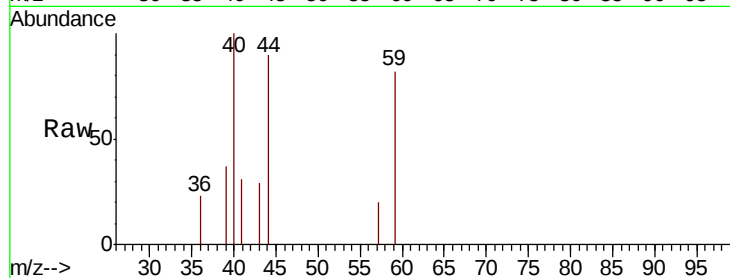




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.20 min Scan# 540
Delta R.T. 0.03 min
Lab File: VW011799.D
Acq: 09 Aug 2019 05:23

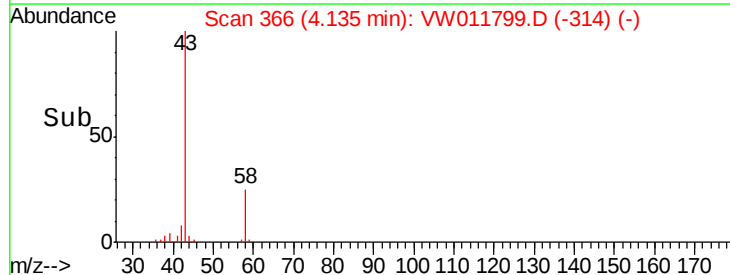
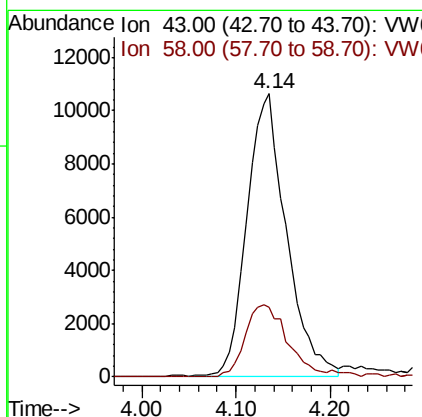
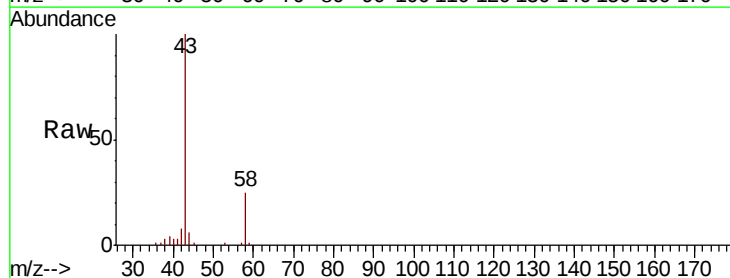
Instrument :
MSVOA_W
ClientSampled :
2S-13-(1)

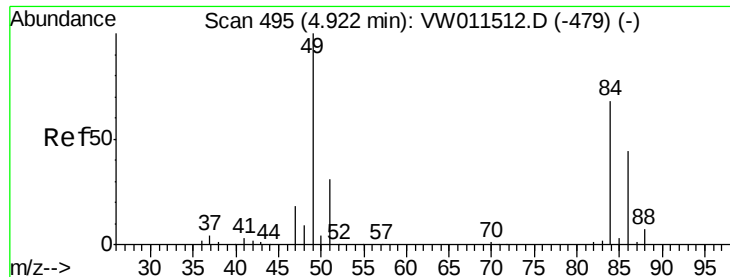
Tgt Ion: 59 Resp: 230
Ion Ratio Lower Upper
59 100
57 23.0 8.5 12.7#



#16
Acetone
Concen: 35.761 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW011799.D
Acq: 09 Aug 2019 05:23

Tgt Ion: 43 Resp: 31467
Ion Ratio Lower Upper
43 100
58 24.7 22.3 33.5

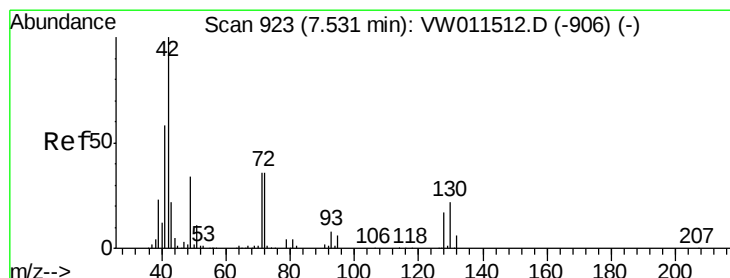
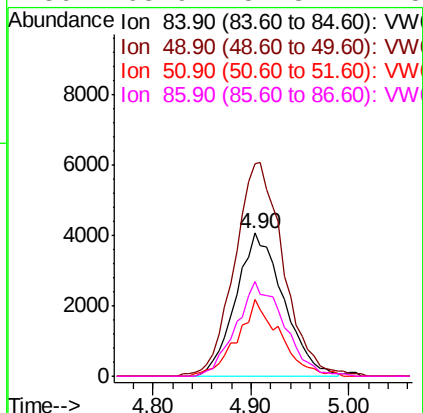
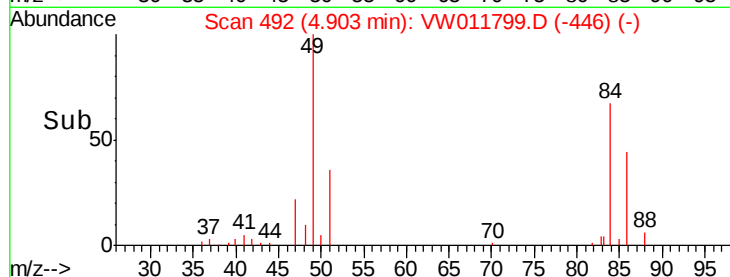
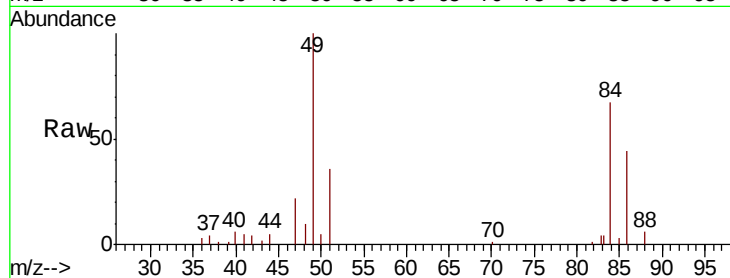




#20
Methylene Chloride
Concen: 4.549 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW011799.D
Acq: 09 Aug 2019 05:23

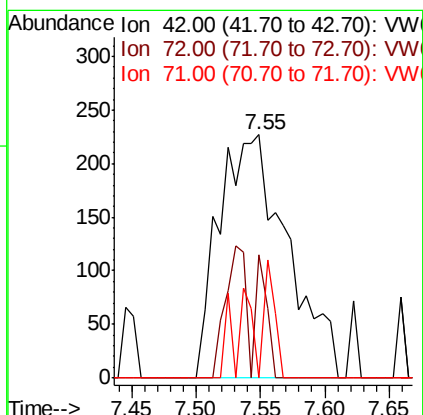
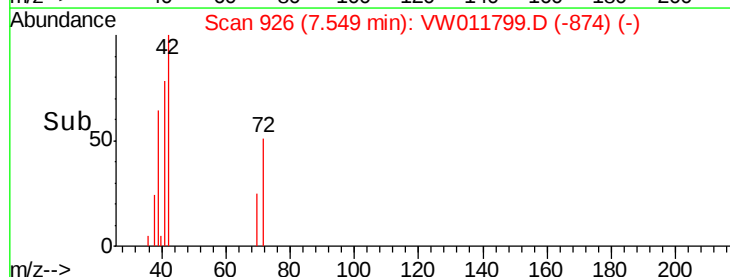
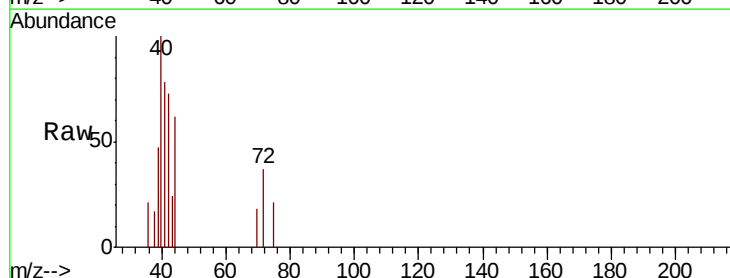
Instrument :
MSVOA_W
ClientSampleId :
2S-I3-(1)

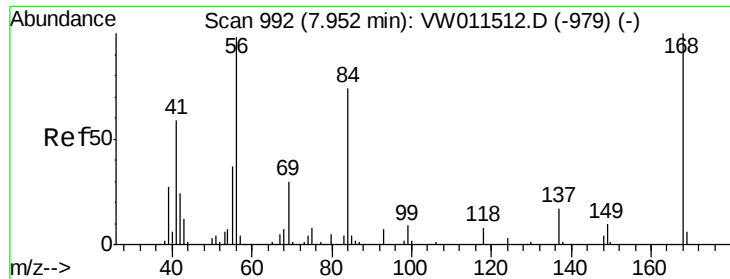
Tgt Ion: 84 Resp: 13806
Ion Ratio Lower Upper
84 100
49 146.5 117.8 176.6
51 53.7 37.0 55.4
86 65.9 51.8 77.8



#29
Tetrahydrofuran
Concen: 1.273 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW011799.D
Acq: 09 Aug 2019 05:23

Tgt Ion: 42 Resp: 838
Ion Ratio Lower Upper
42 100
72 0.0 27.1 40.7#
71 7.4 26.2 39.4#

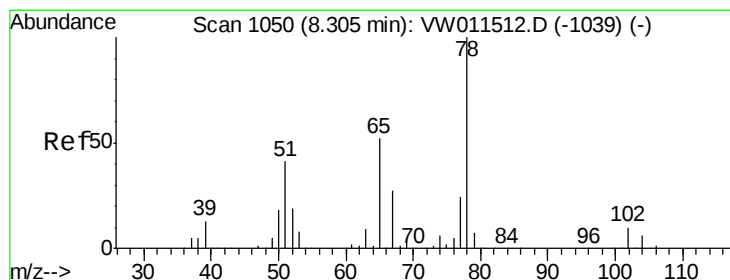
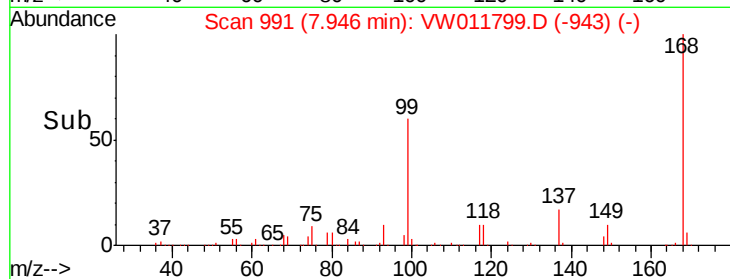
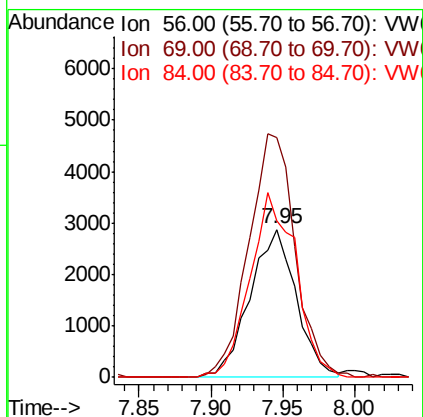
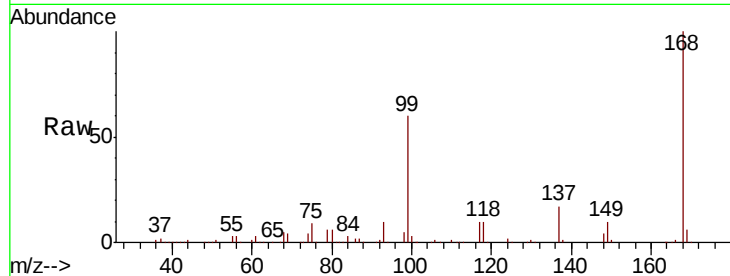




#31
Cyclohexane
Concen: 1.244 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011799.D
Acq: 09 Aug 2019 05:23

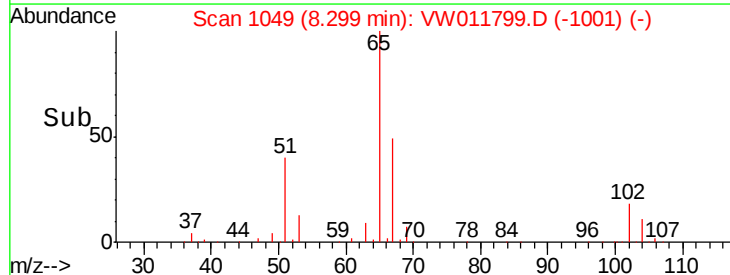
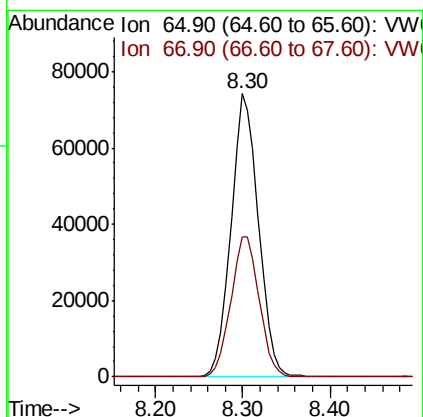
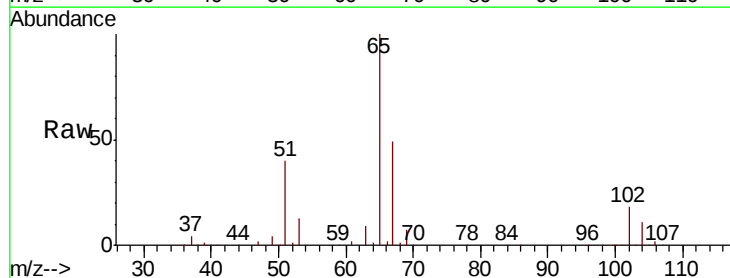
Instrument :
MSVOA_W
ClientSampleId :
2S-13-1)

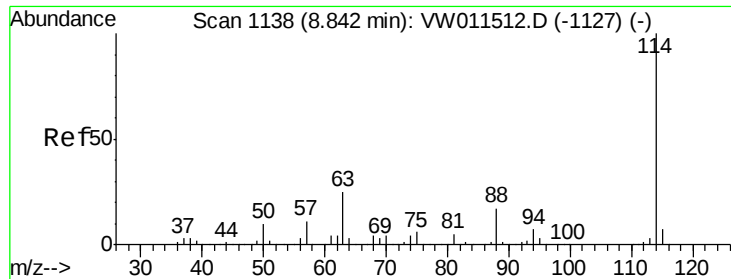
Tgt Ion: 56 Resp: 6435
Ion Ratio Lower Upper
56 100
69 162.3 24.3 36.5#
84 105.5 60.4 90.6#



#33
1,2-Dichloroethane-d4
Concen: 58.431 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW011799.D
Acq: 09 Aug 2019 05:23

Tgt Ion: 65 Resp: 161631
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.2

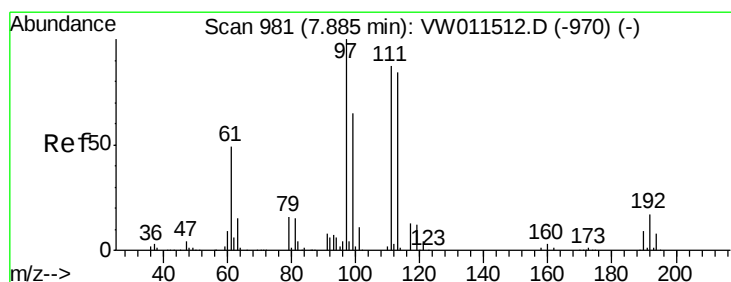
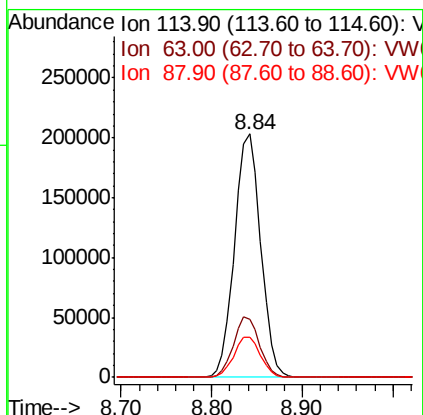
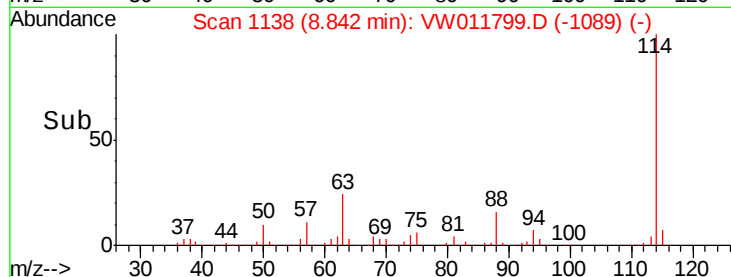
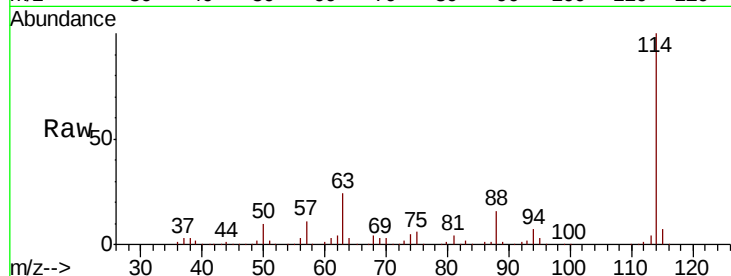




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011799.D
 Acq: 09 Aug 2019 05:23

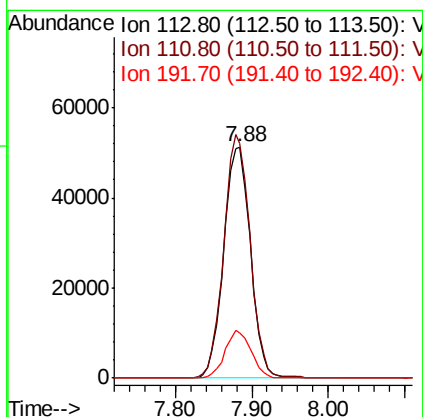
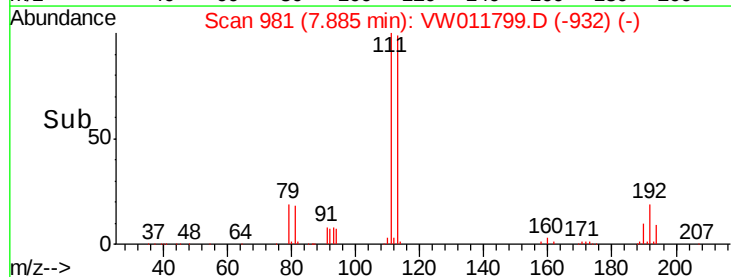
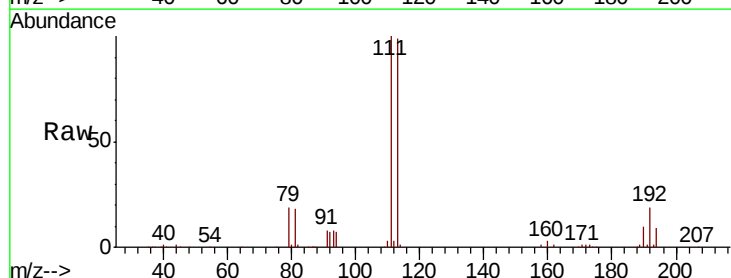
Instrument :
 MSVOA_W
 ClientSampled :
 2S-13-(1)

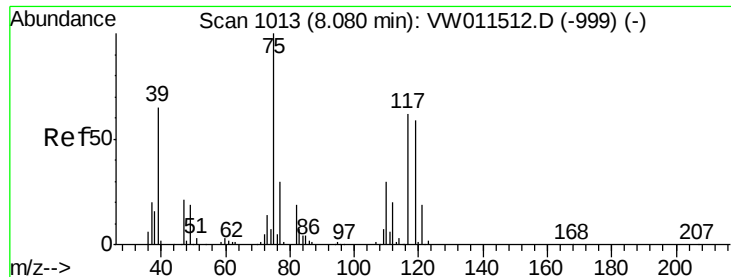
Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	49.2
88	16.5	0.0	33.8



#35
 Dibromofluoromethane
 Concen: 54.116 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011799.D
 Acq: 09 Aug 2019 05:23

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.7	124.1
192	20.0	16.1	24.1

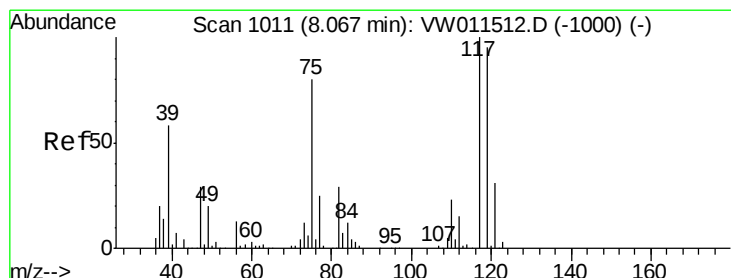
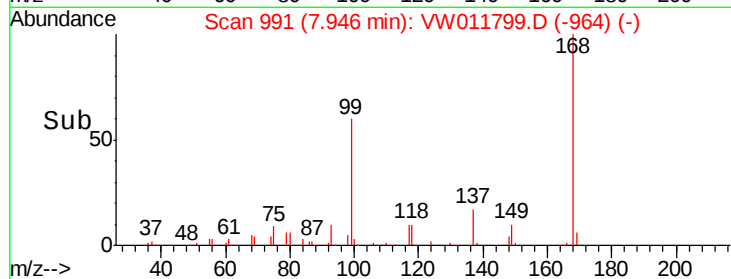
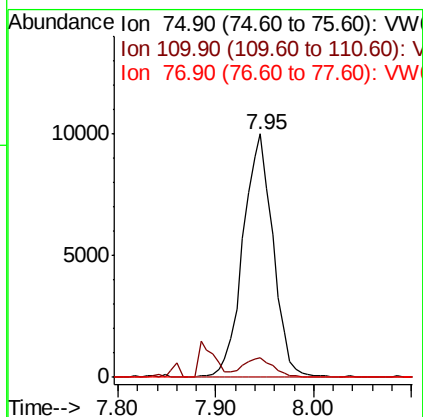
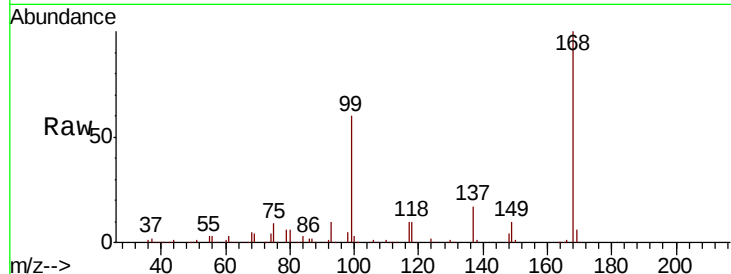




#36
 1,1-Dichloropropene
 Concen: 5.028 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011799.D
 Acq: 09 Aug 2019 05:23

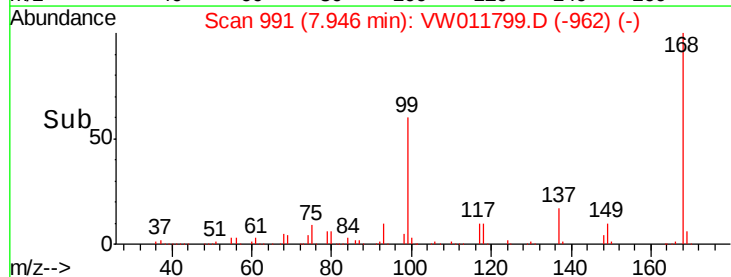
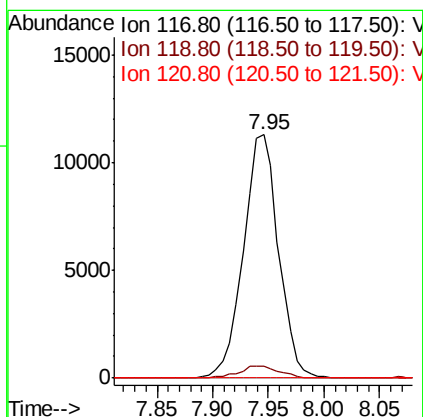
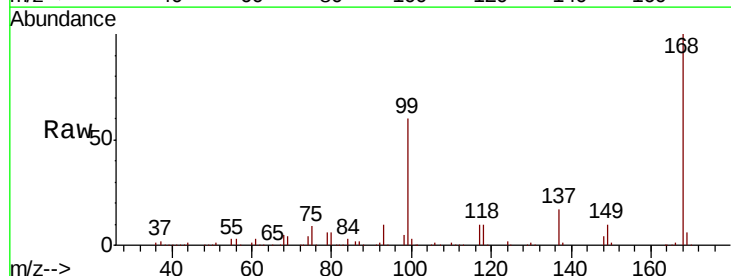
Instrument :
 MSVOA_W
 ClientSampleId :
 2S-13-(1)

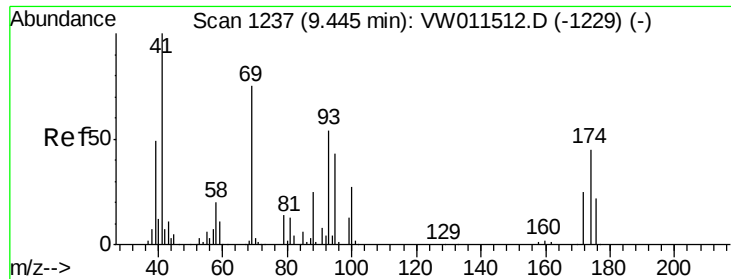
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.806 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011799.D
 Acq: 09 Aug 2019 05:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	75.8	113.6#
121	0.0	24.7	37.1#

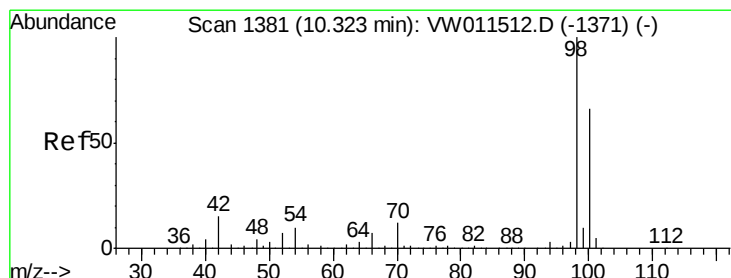
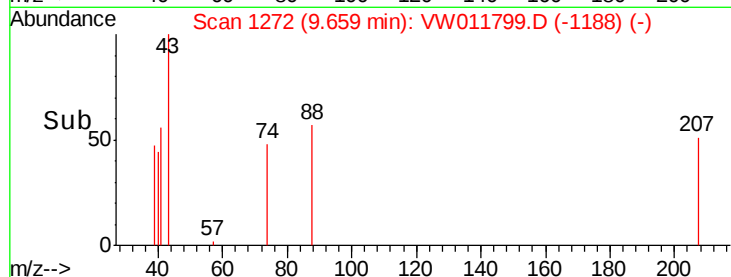
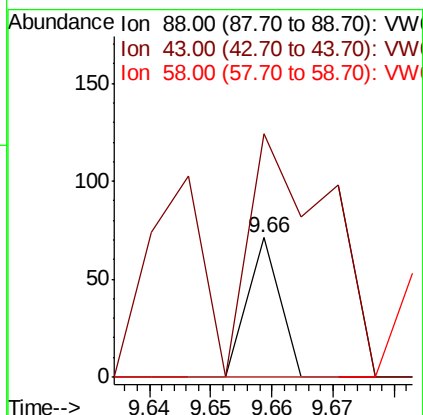
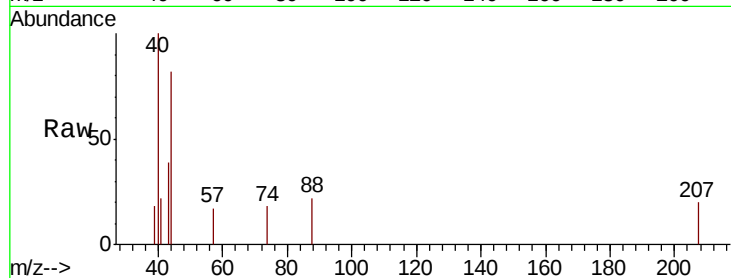




#49
1,4-Dioxane
Concen: 1.237 ug/l
RT: 9.66 min Scan# 1272
Delta R.T. 0.21 min
Lab File: VW011799.D
Acq: 09 Aug 2019 05:23

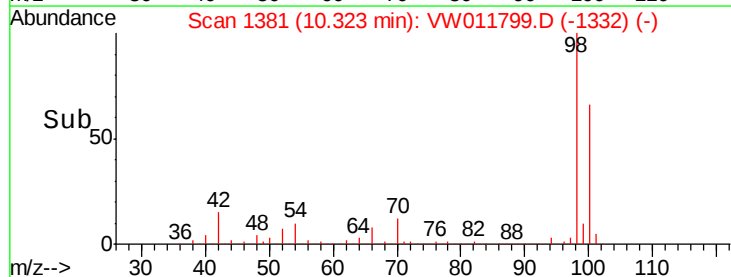
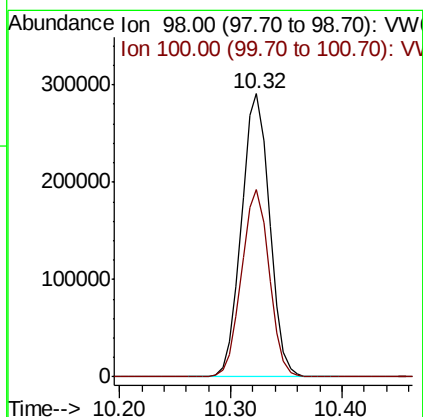
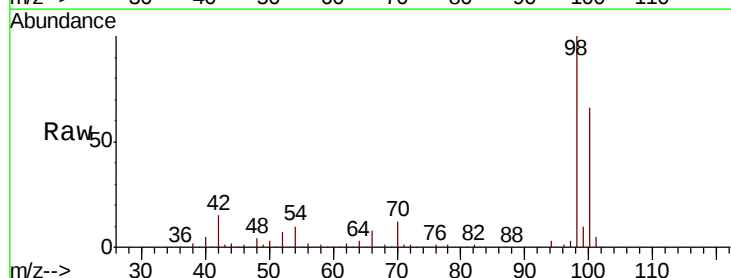
Instrument :
MSVOA_W
ClientSampled :
2S-13-(1)

Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 426.9 34.0 51.0#
58 0.0 69.7 104.5#



#50
Toluene-d8
Concen: 54.417 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011799.D
Acq: 09 Aug 2019 05:23

Tgt Ion: 98 Resp: 510072
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1





#62

4-Bromofluorobenzene

Concen: 46.633 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011799.D

Acq: 09 Aug 2019 05:23

Instrument :

MSVOA_W

ClientSampleId :

2S-I3-(1)

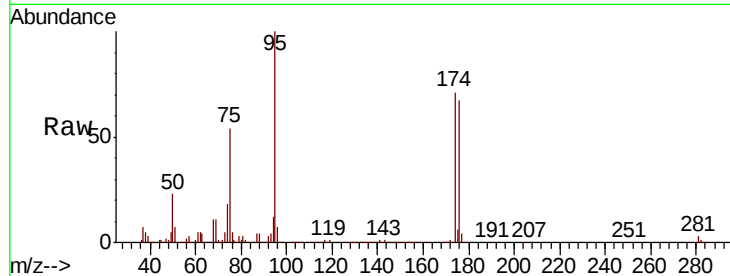
Tgt Ion: 95 Resp: 155839

Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.2

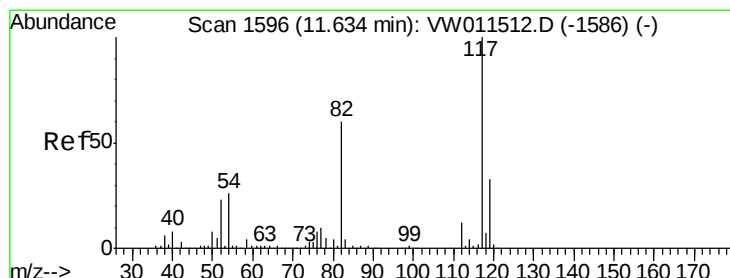
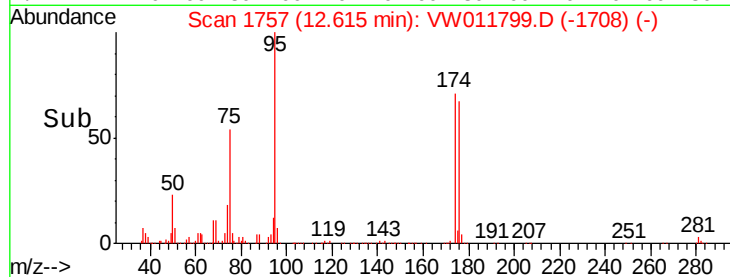
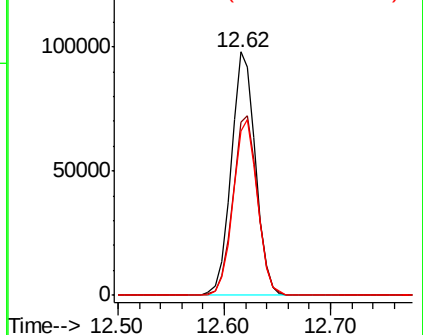
176 72.8 0.0 144.4



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: VW011799.D

Acq: 09 Aug 2019 05:23

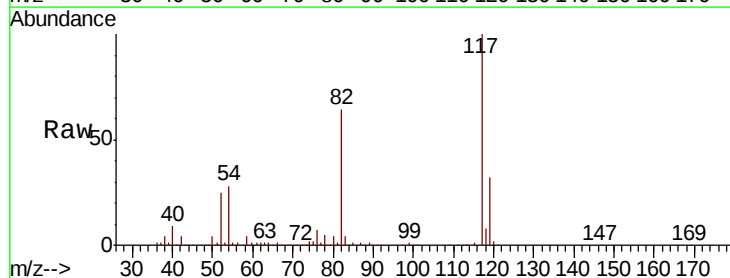
Tgt Ion: 117 Resp: 341308

Ion Ratio Lower Upper

117 100

82 63.5 47.9 71.9

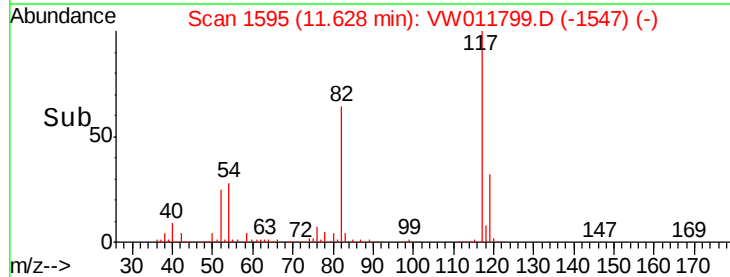
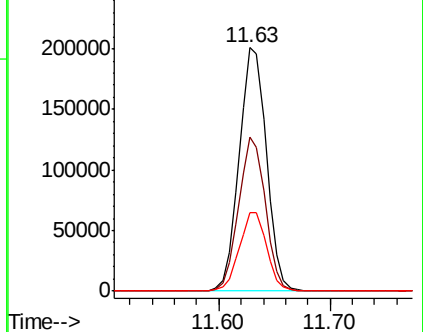
119 32.0 26.2 39.2



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011799.D

Acq: 09 Aug 2019 05:23

Instrument :

MSVOA_W

ClientSampleId :

2S-I3-(1)

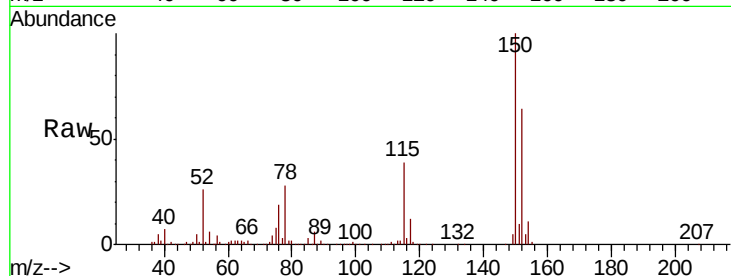
Tgt Ion:152 Resp: 124041

Ion Ratio Lower Upper

152 100

115 60.7 30.5 91.5

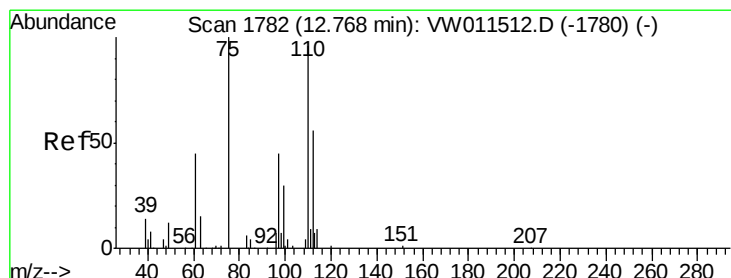
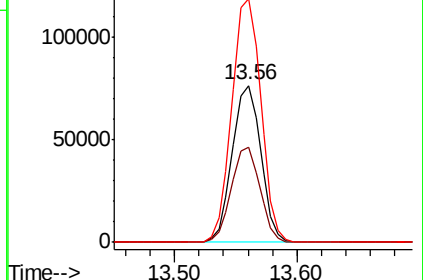
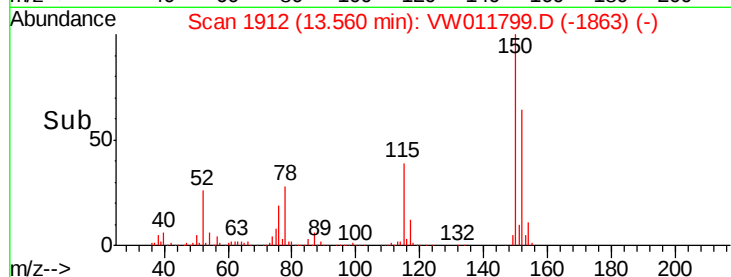
150 157.3 0.0 352.6



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: 63.395 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011799.D

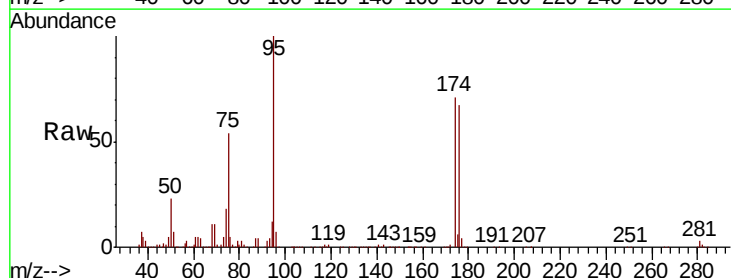
Acq: 09 Aug 2019 05:23

Tgt Ion: 75 Resp: 83206

Ion Ratio Lower Upper

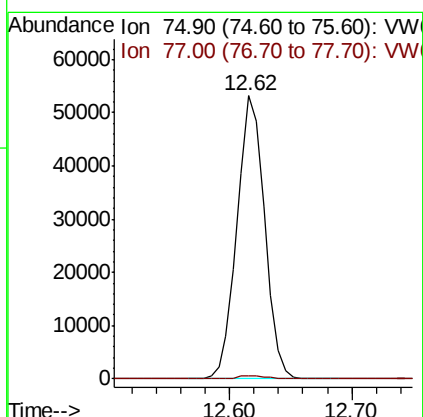
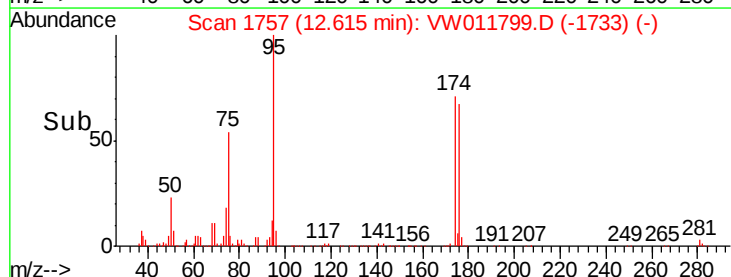
75 100

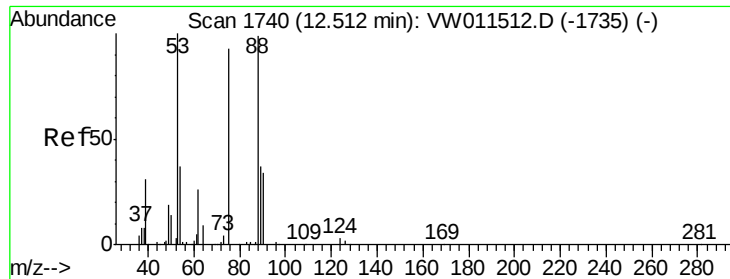
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

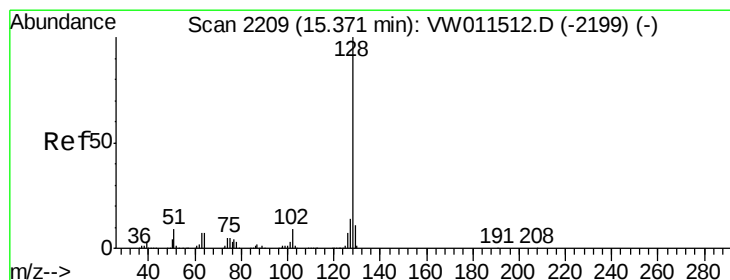
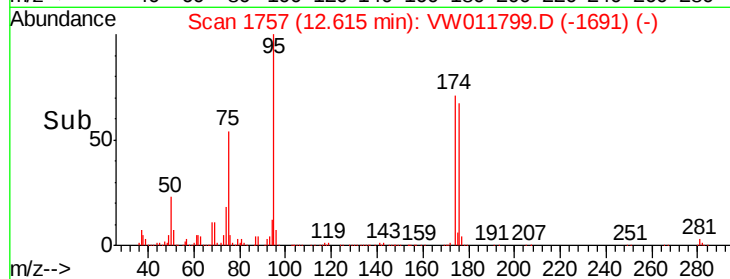
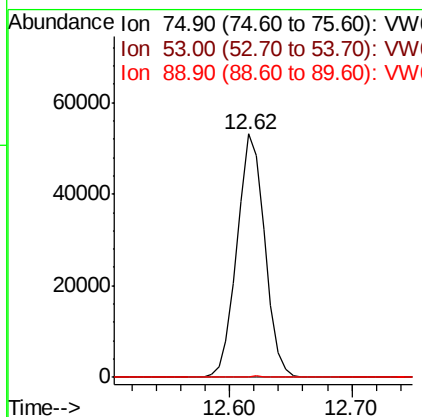
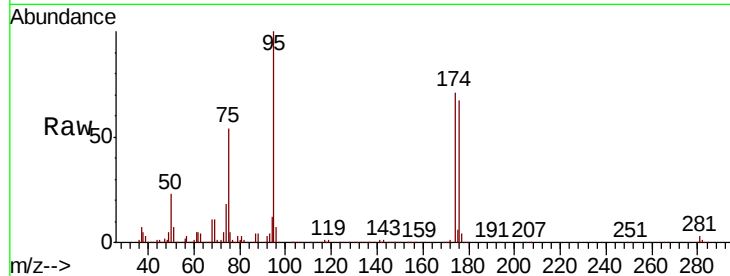




#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.104 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011799.D
 Acq: 09 Aug 2019 05:23

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-I3-(1)

Tgt Ion: 75 Resp: 83206
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.0 132.0#
 89 0.1 35.3 52.9#



#95
 Naphthalene
 Concen: 2.117 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW011799.D
 Acq: 09 Aug 2019 05:23

Tgt Ion: 128 Resp: 260
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 16.0#
 129 0.0 8.6 13.0#

