

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081019\
 Data File : VW011796.D
 Acq On : 09 Aug 2019 04:05
 Operator : SY/VA
 Sample : K4228-16
 Misc : 6.21G/5ML/MSVOA_W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-I4-(0)

Quant Time: Aug 09 05:40:02 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	246470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	410241	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	351991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	128273	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	161511	57.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.14%	
35) Dibromofluoromethane	7.88	113	126335	54.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.78%	
50) Toluene-d8	10.32	98	518316	55.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.00%	
62) 4-Bromofluorobenzene	12.62	95	159489	47.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.94%	

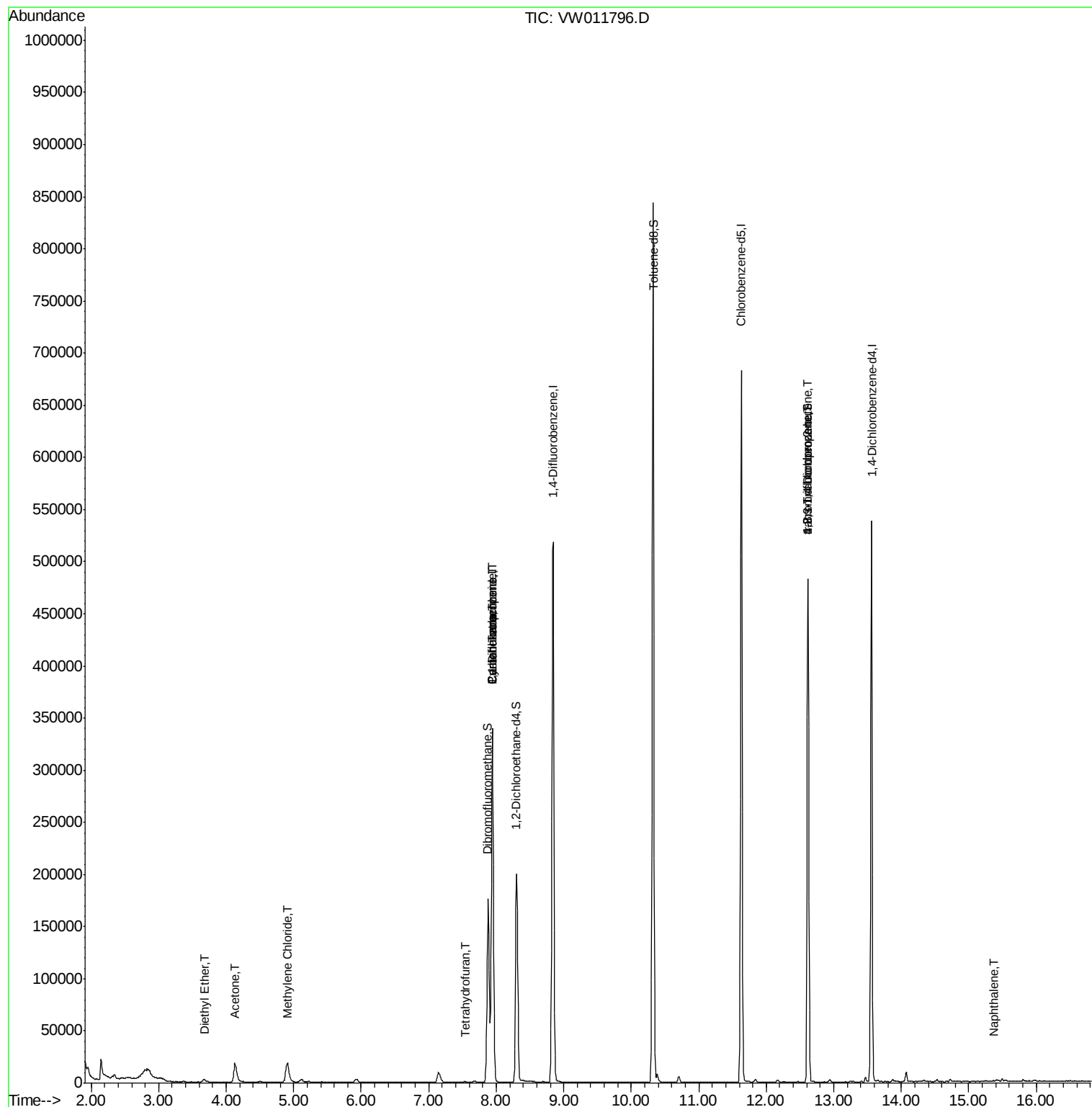
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1491	1.026	ug/l	78
11) Tert butyl alcohol	5.21	59	1131	Below Cal	#	86
16) Acetone	4.13	43	37653	41.824	ug/l	99
20) Methylene Chloride	4.90	84	13871	4.468	ug/l	93
29) Tetrahydrofuran	7.55	42	709	1.053	ug/l #	44
31) Cyclohexane	7.94	56	6304	1.191	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	21536	5.049	ug/l #	53
38) Carbon Tetrachloride	7.95	117	24787	6.788	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	87152	64.211	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	87152	147.984	ug/l #	6
95) Naphthalene	15.36	128	795	2.216	ug/l #	86

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

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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: VW011796.D

Acq: 09 Aug 2019 04:05

Instrument :

MSVOA_W

ClientSampleId :

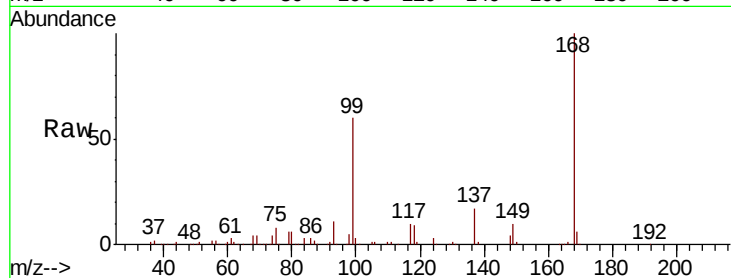
2S-I4-(0)

Tgt Ion:168 Resp: 246470

Ion Ratio Lower Upper

168 100

99 59.8 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

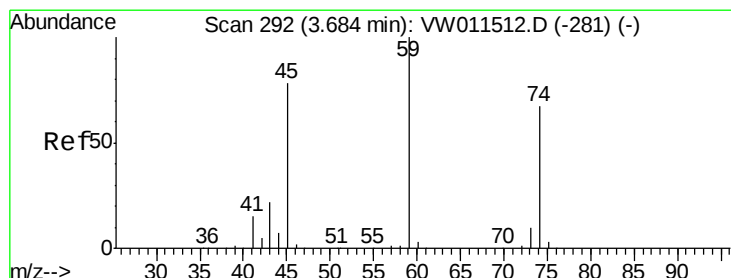
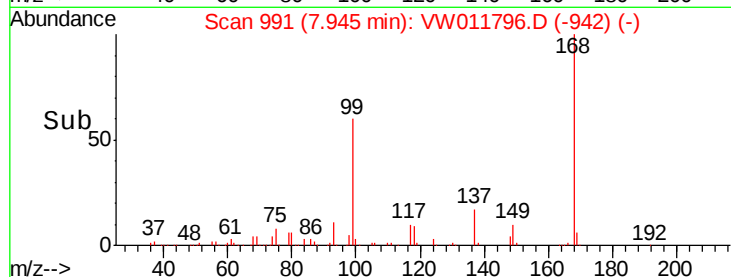
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.026 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW011796.D

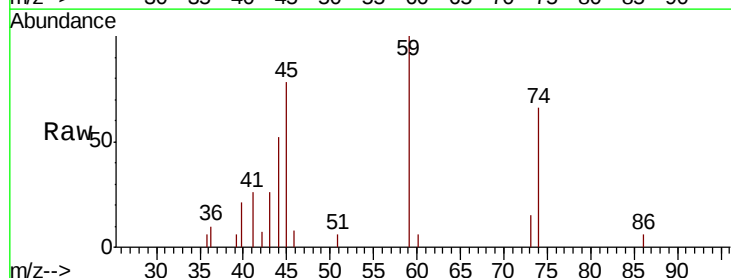
Acq: 09 Aug 2019 04:05

Tgt Ion: 74 Resp: 1491

Ion Ratio Lower Upper

74 100

45 144.1 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

800

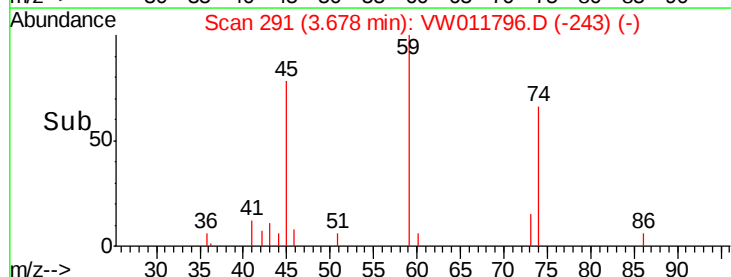
600

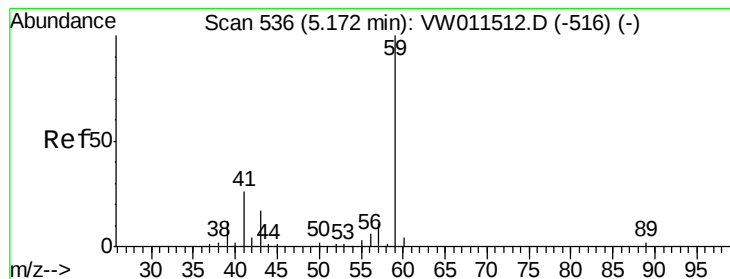
400

200

0

Time--> 3.60 3.65 3.70 3.75



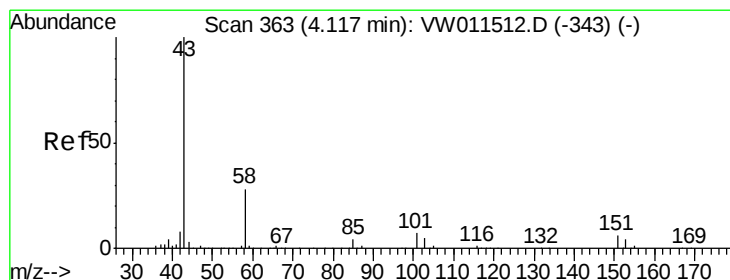
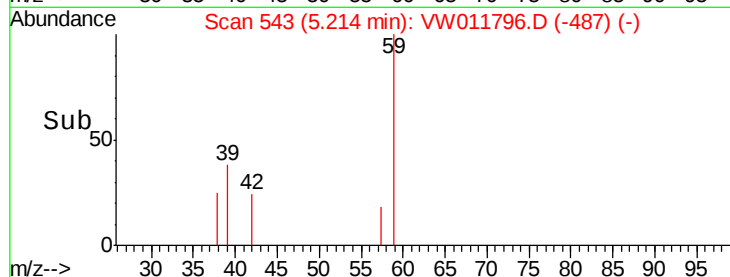
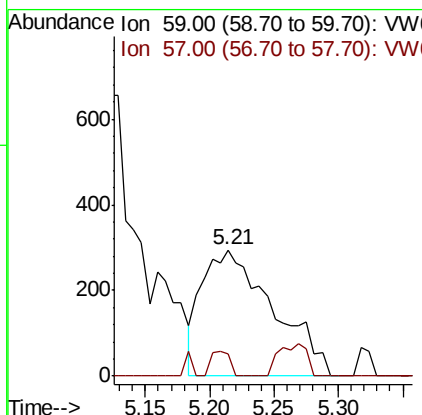
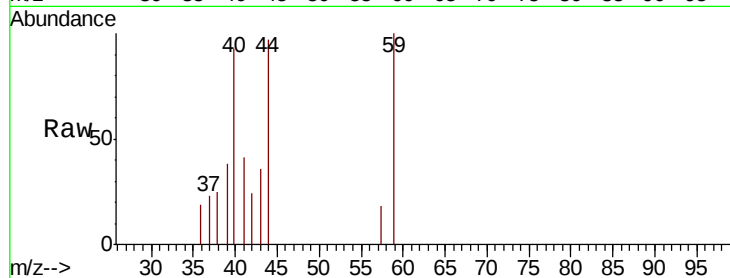


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 543
 Delta R.T. 0.04 min
 Lab File: VW011796.D
 Acq: 09 Aug 2019 04:05

Instrument :
 MSVOA_W
 ClientSampled :
 2S-14-(0)

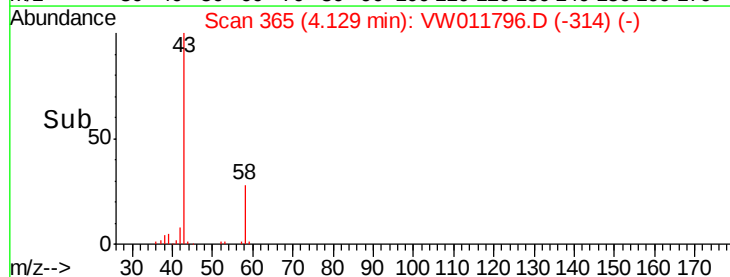
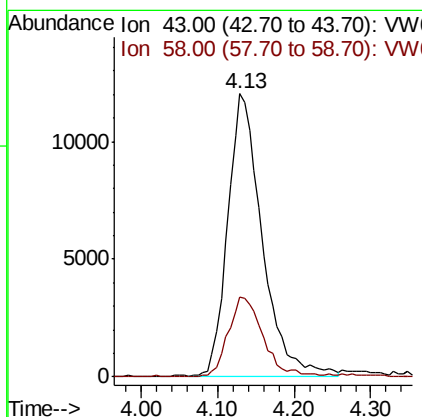
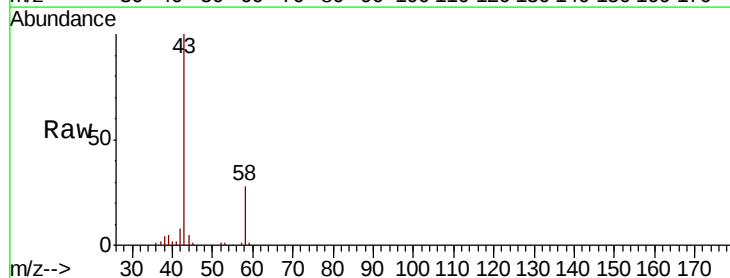
Tgt Ion: 59 Resp: 1131
 Ion Ratio Lower Upper
 59 100
 57 5.3 8.5 12.7#

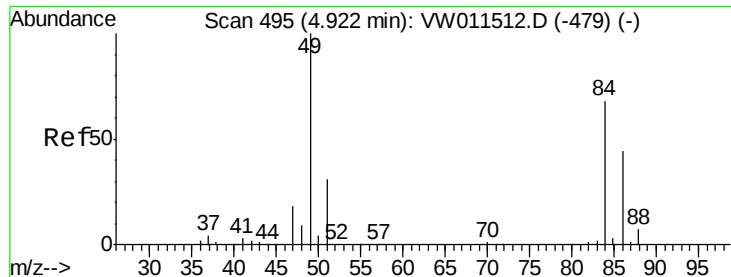


#16

Acetone
 Concen: 41.824 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW011796.D
 Acq: 09 Aug 2019 04:05

Tgt Ion: 43 Resp: 37653
 Ion Ratio Lower Upper
 43 100
 58 28.3 22.3 33.5

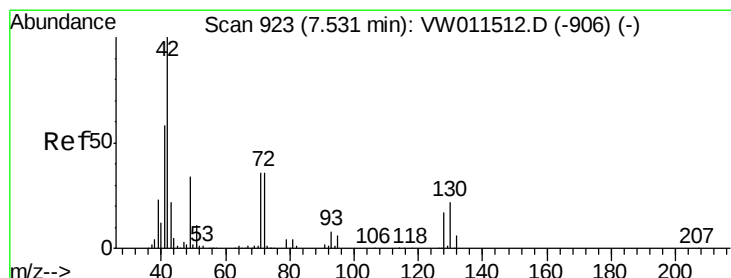
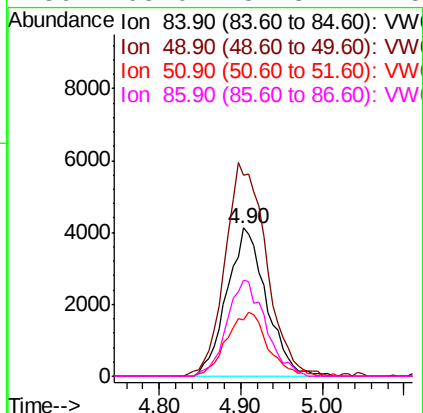
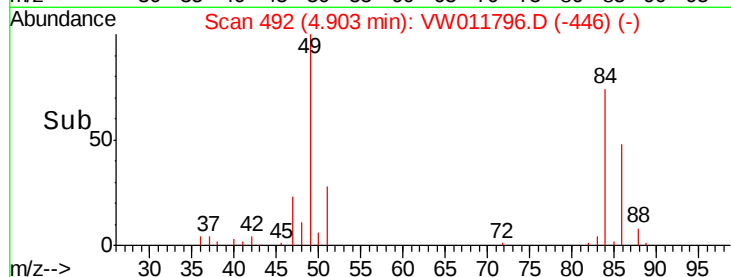
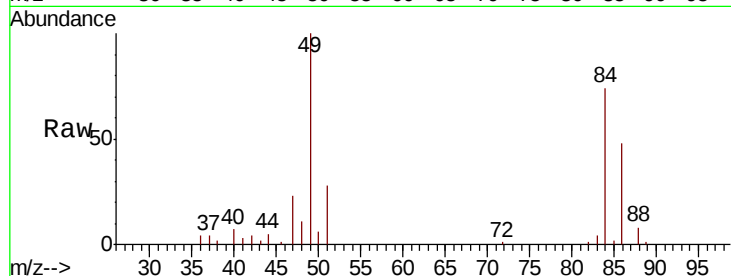




#20
Methylene Chloride
Concen: 4.468 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW011796.D
Acq: 09 Aug 2019 04:05

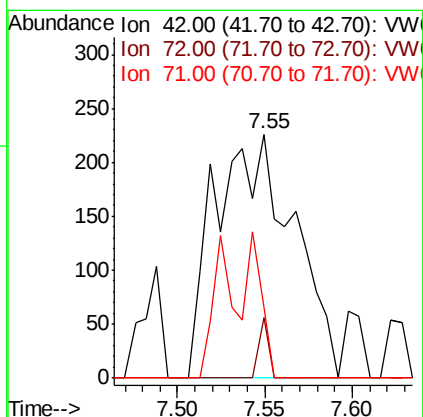
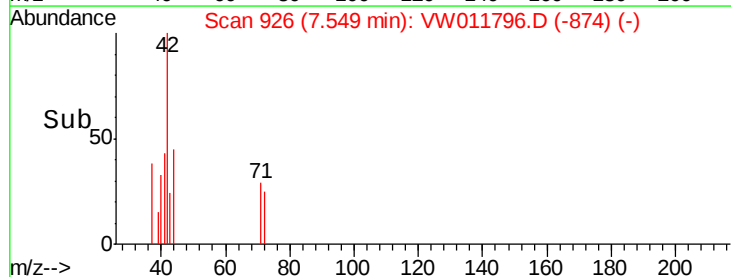
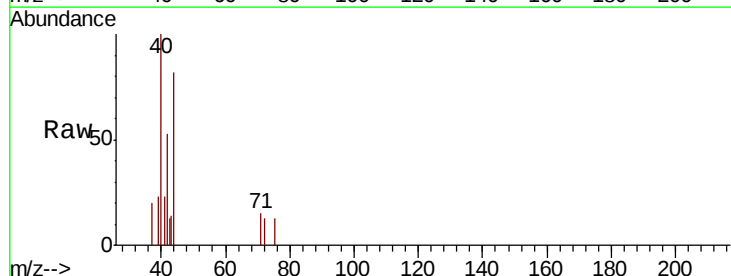
Instrument :
MSVOA_W
ClientSampleId :
2S-I4-(0)

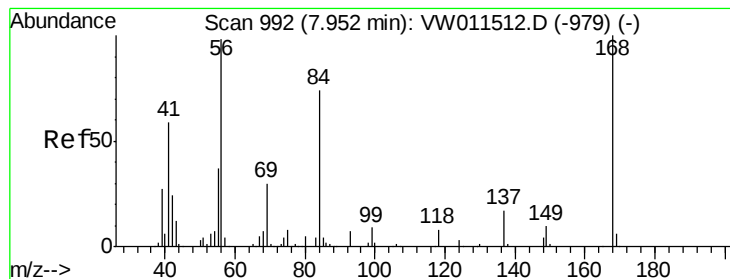
Tgt Ion:	84	Resp:	13871
Ion	Ratio	Lower	Upper
84	100		
49	135.8	117.8	176.6
51	37.9	37.0	55.4
86	65.0	51.8	77.8



#29
Tetrahydrofuran
Concen: 1.053 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW011796.D
Acq: 09 Aug 2019 04:05

Tgt Ion:	42	Resp:	709
Ion	Ratio	Lower	Upper
42	100		
72	2.8	27.1	40.7#
71	0.0	26.2	39.4#





#31

Cyclohexane

Concen: 1.191 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011796.D

Acq: 09 Aug 2019 04:05

Instrument :
MSVOA_W
ClientSampleId :
2S-I4-(0)

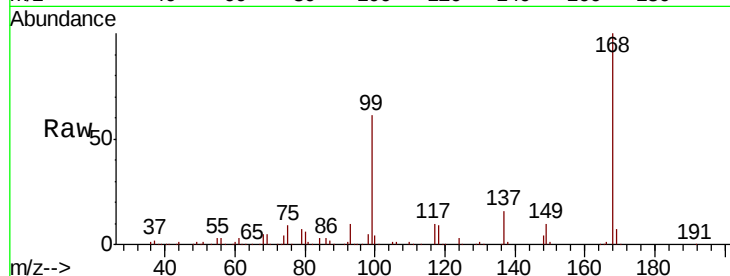
Tgt Ion: 56 Resp: 6304

Ion Ratio Lower Upper

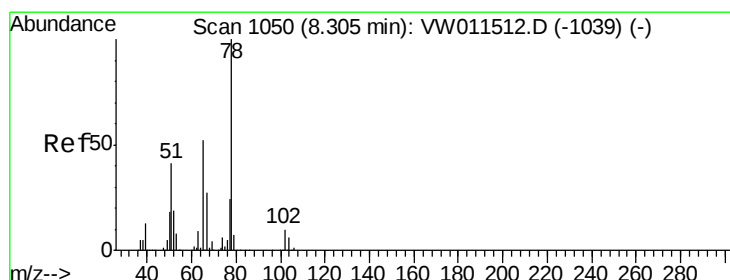
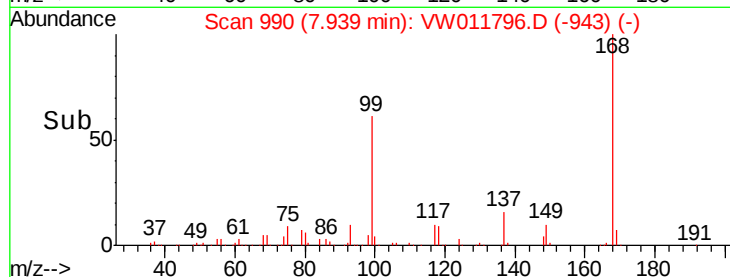
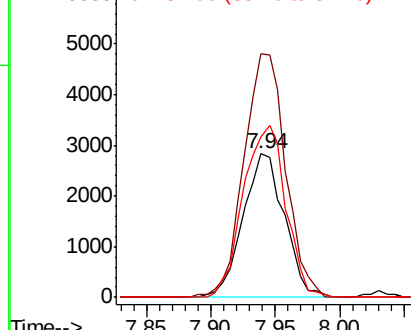
56 100

69 170.0 24.3 36.5#

84 112.2 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: 57.068 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011796.D

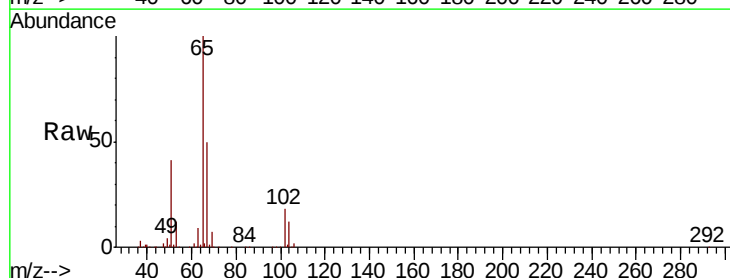
Acq: 09 Aug 2019 04:05

Tgt Ion: 65 Resp: 161511

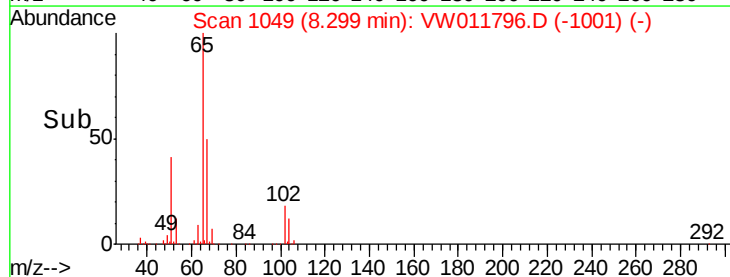
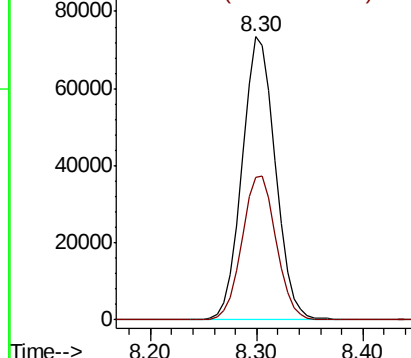
Ion Ratio Lower Upper

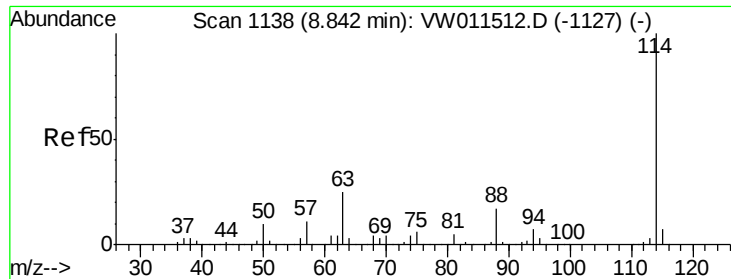
65 100

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

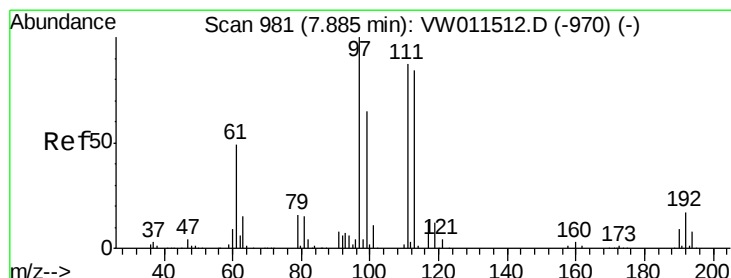
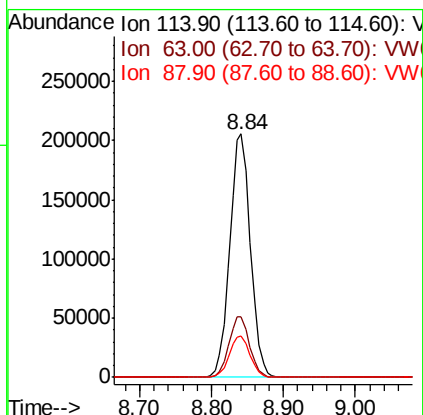
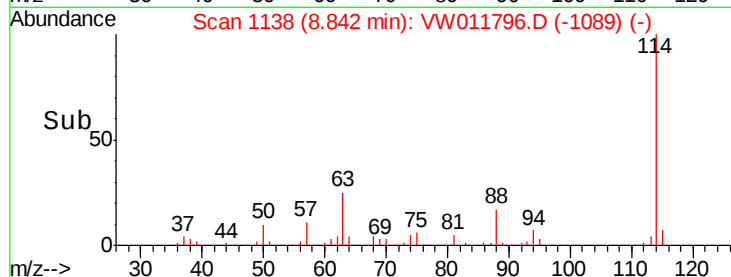
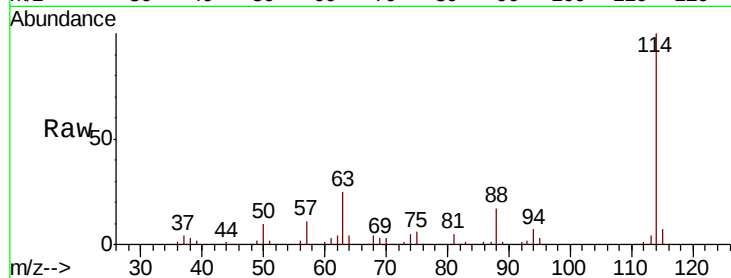




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW011796.D
Acq: 09 Aug 2019 04:05

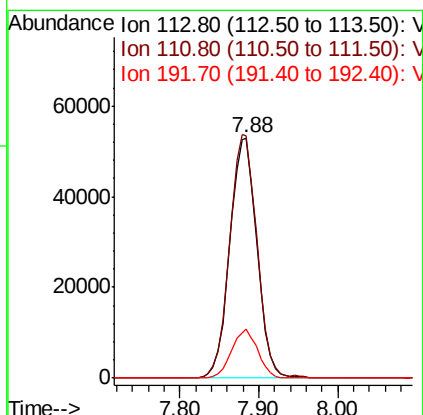
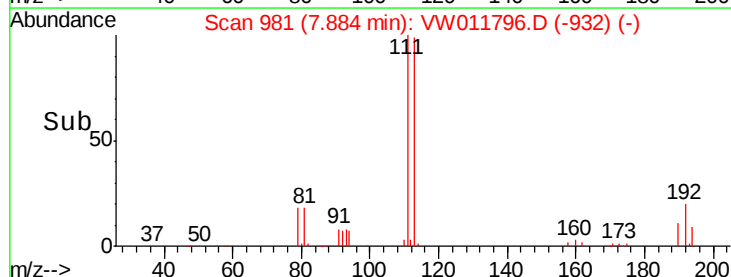
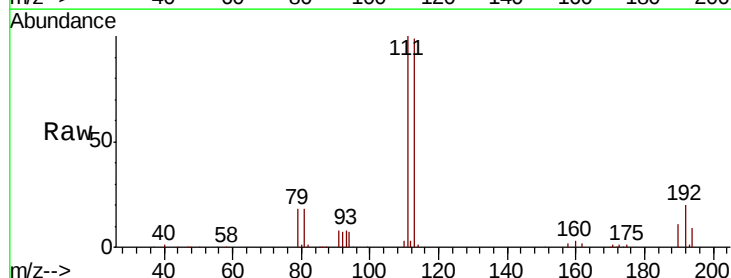
Instrument :
MSVOA_W
ClientSampled :
2S-I4-(0)

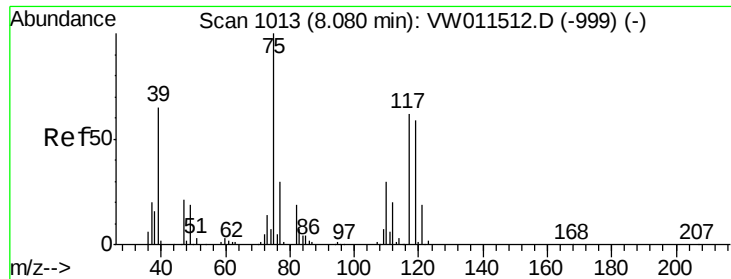
Tgt Ion:114 Resp: 410241
Ion Ratio Lower Upper
114 100
63 24.9 0.0 49.2
88 16.9 0.0 33.8



#35
Dibromofluoromethane
Concen: 54.892 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW011796.D
Acq: 09 Aug 2019 04:05

Tgt Ion:113 Resp: 126335
Ion Ratio Lower Upper
113 100
111 102.3 82.7 124.1
192 19.9 16.1 24.1

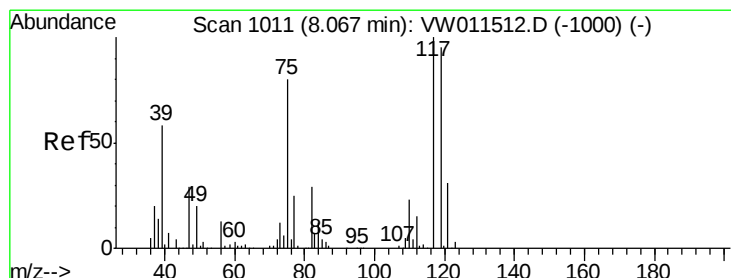
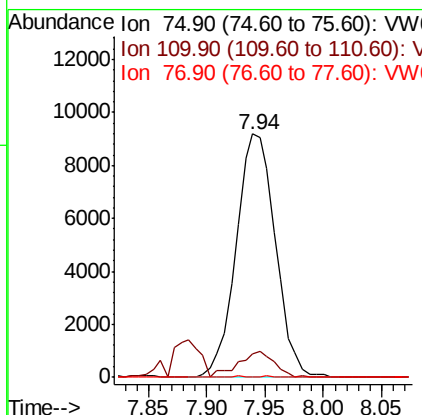
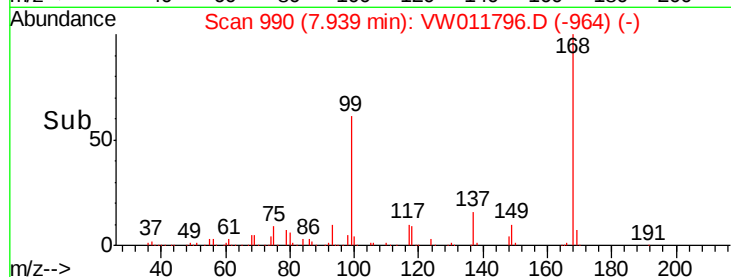
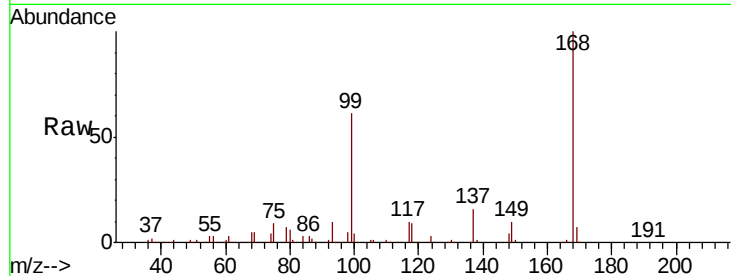




#36
 1,1-Dichloropropene
 Concen: 5.049 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011796.D
 Acq: 09 Aug 2019 04:05

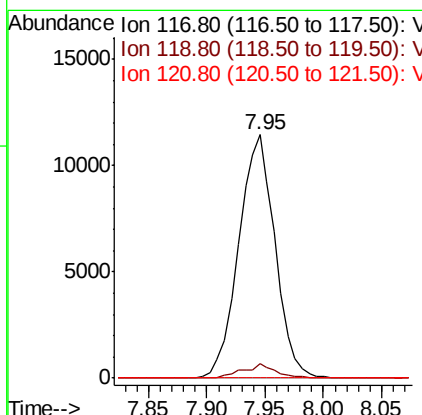
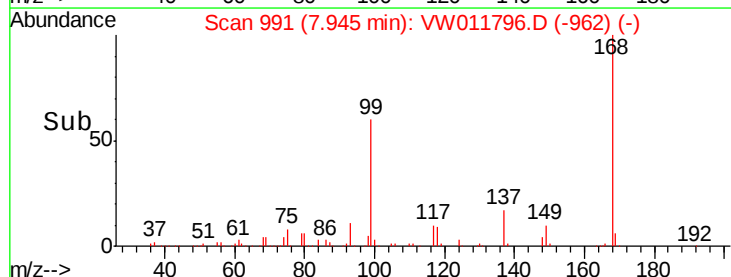
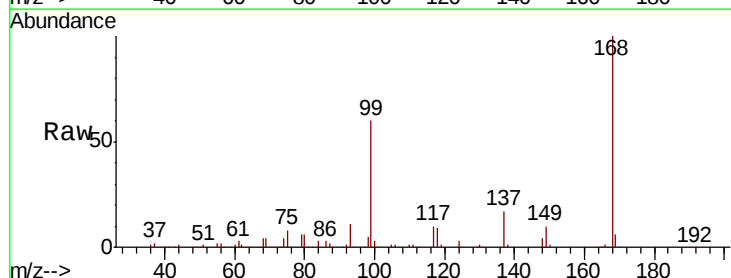
Instrument :
 MSVOA_W
 ClientSampleId :
 2S-I4-(0)

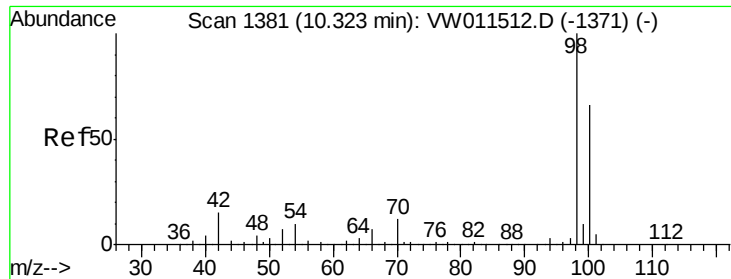
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	15.6	46.8#
77	0.1	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.788 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011796.D
 Acq: 09 Aug 2019 04:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	75.8	113.6#
121	0.0	24.7	37.1#

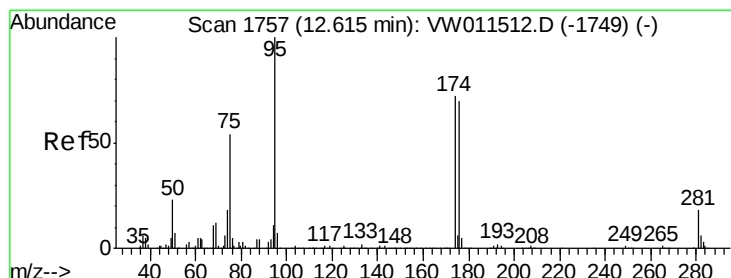
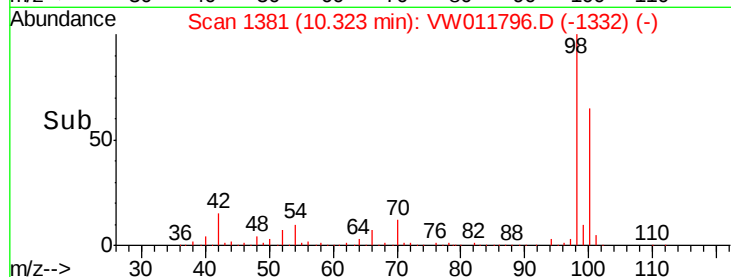
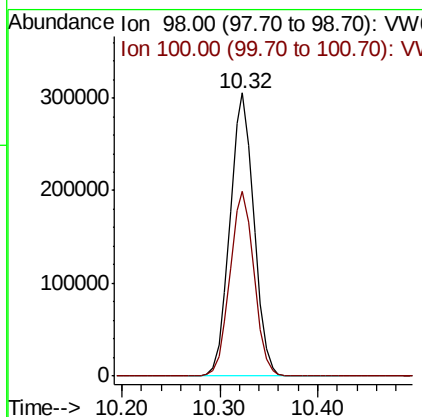
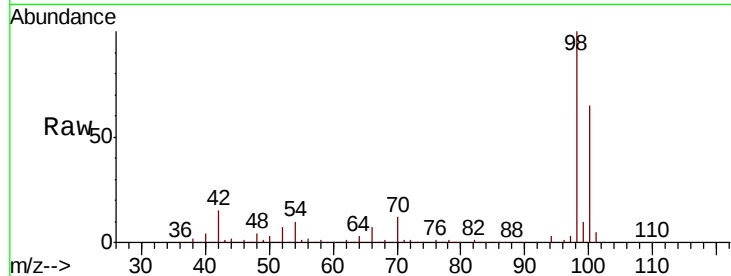




#50
Toluene-d8
Concen: 55.005 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011796.D
Acq: 09 Aug 2019 04:05

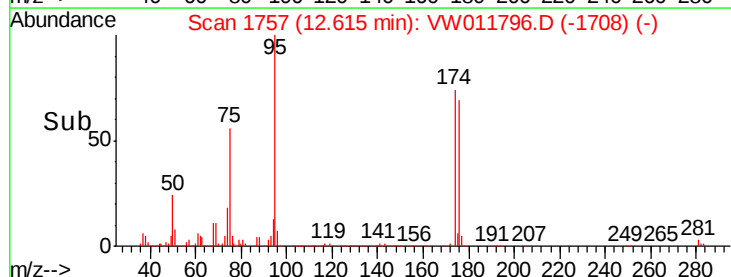
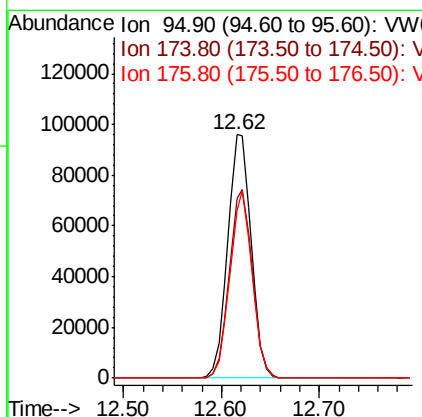
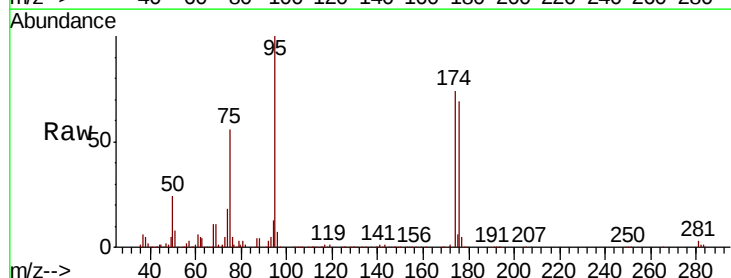
Instrument :
MSVOA_W
ClientSampleId :
2S-I4-(0)

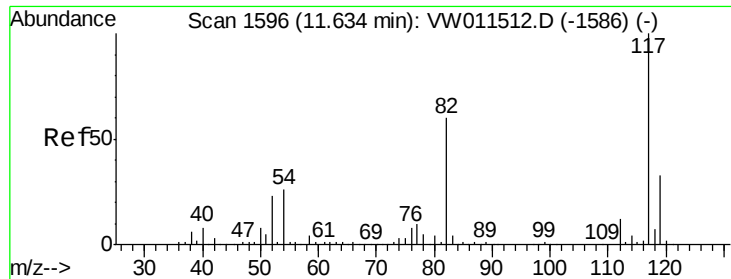
Tgt Ion: 98 Resp: 518316
Ion Ratio Lower Upper
98 100
100 65.7 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 47.474 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011796.D
Acq: 09 Aug 2019 04:05

Tgt Ion: 95 Resp: 159489
Ion Ratio Lower Upper
95 100
174 76.2 0.0 150.2
176 72.7 0.0 144.4

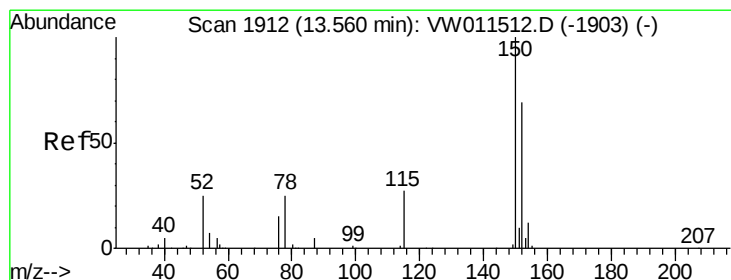
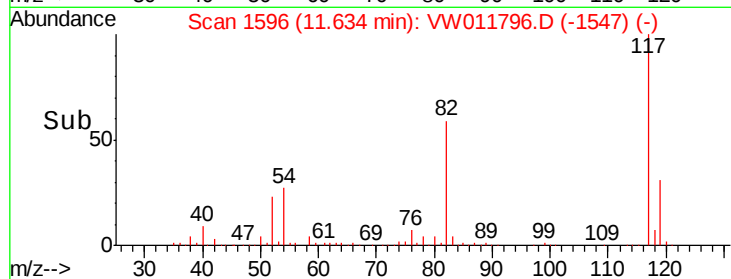
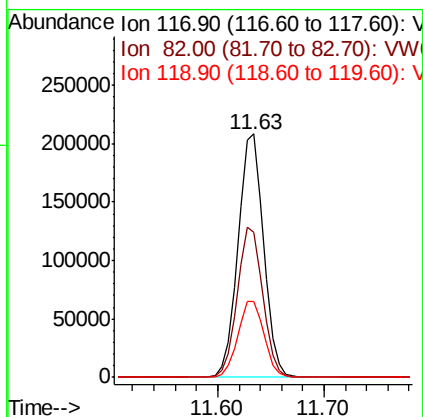
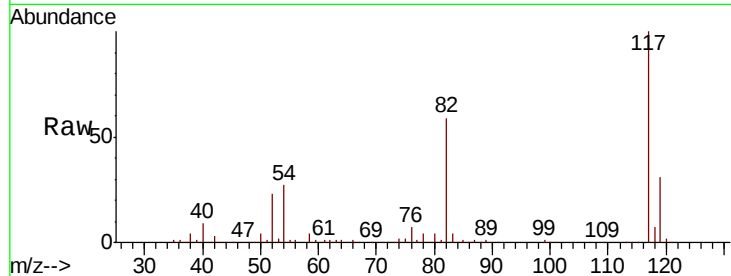




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011796.D
Acq: 09 Aug 2019 04:05

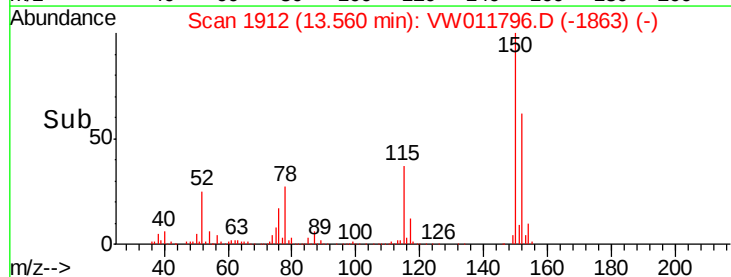
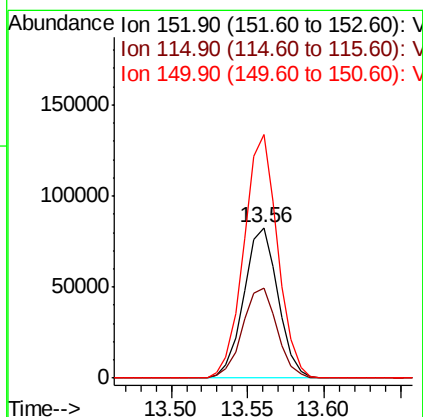
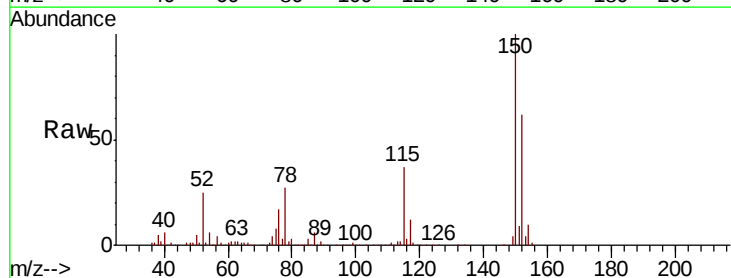
Instrument :
MSVOA_W
ClientSampleId :
2S-I4-(0)

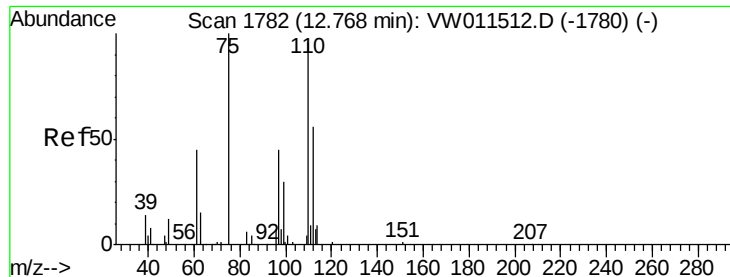
Tgt Ion:117 Resp: 351991
Ion Ratio Lower Upper
117 100
82 59.4 47.9 71.9
119 31.2 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011796.D
Acq: 09 Aug 2019 04:05

Tgt Ion:152 Resp: 128273
Ion Ratio Lower Upper
152 100
115 60.5 30.5 91.5
150 159.5 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 64.211 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011796.D

Acq: 09 Aug 2019 04:05

Instrument :

MSVOA_W

ClientSampled :

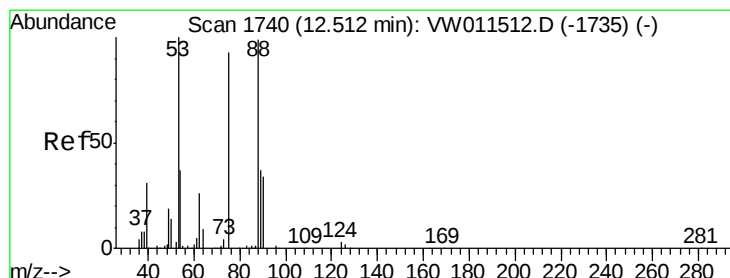
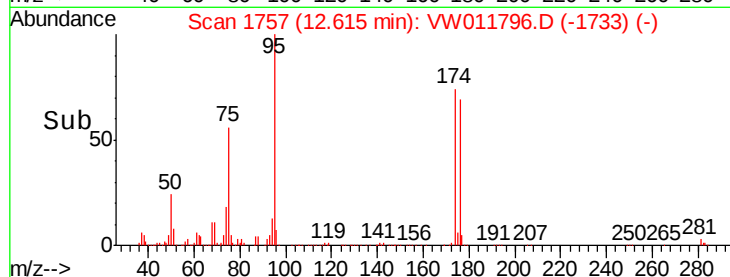
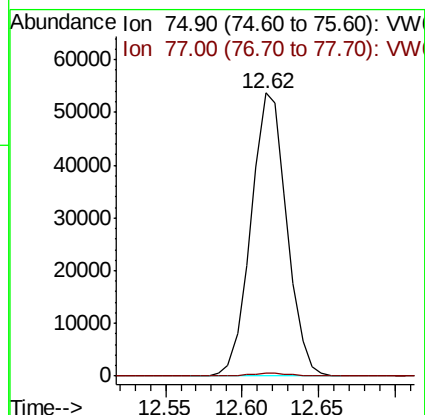
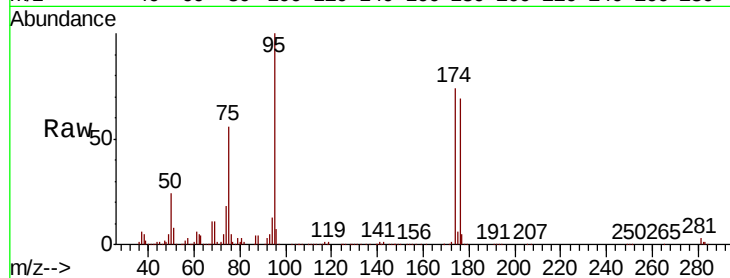
2S-I4-(0)

Tgt Ion: 75 Resp: 87152

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 147.984 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011796.D

Acq: 09 Aug 2019 04:05

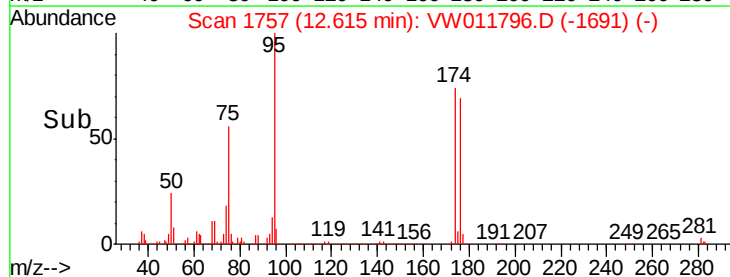
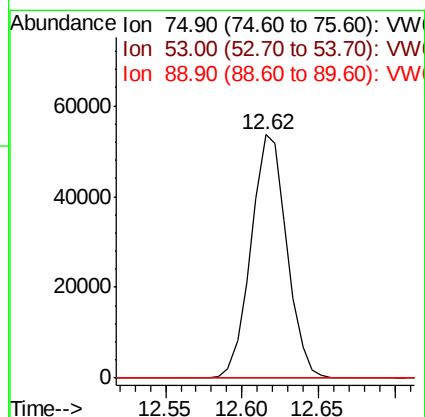
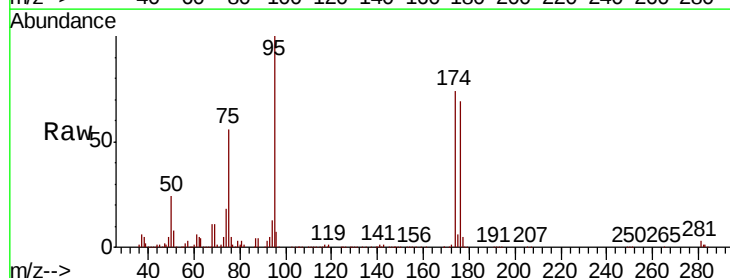
Tgt Ion: 75 Resp: 87152

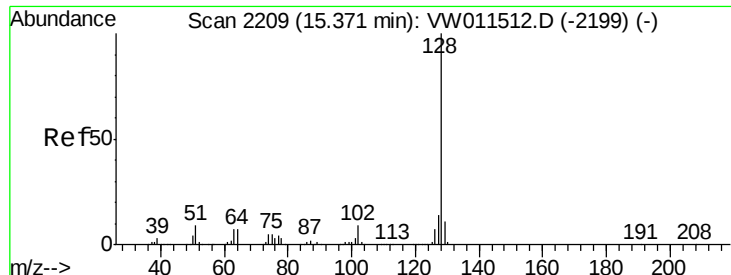
Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 2.216 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011796.D
Acq: 09 Aug 2019 04:05

Instrument :
MSVOA_W
ClientSampleId :
2S-I4-(0)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.6	16.0
129	0.0	8.6	13.0

