

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081019\
 Data File : VW011788.D
 Acq On : 09 Aug 2019 00:39
 Operator : SY/VA
 Sample : K4228-06
 Misc : 5.07G/5ML/MSVOA_W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-F4-(0)

Quant Time: Aug 09 05:38:31 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

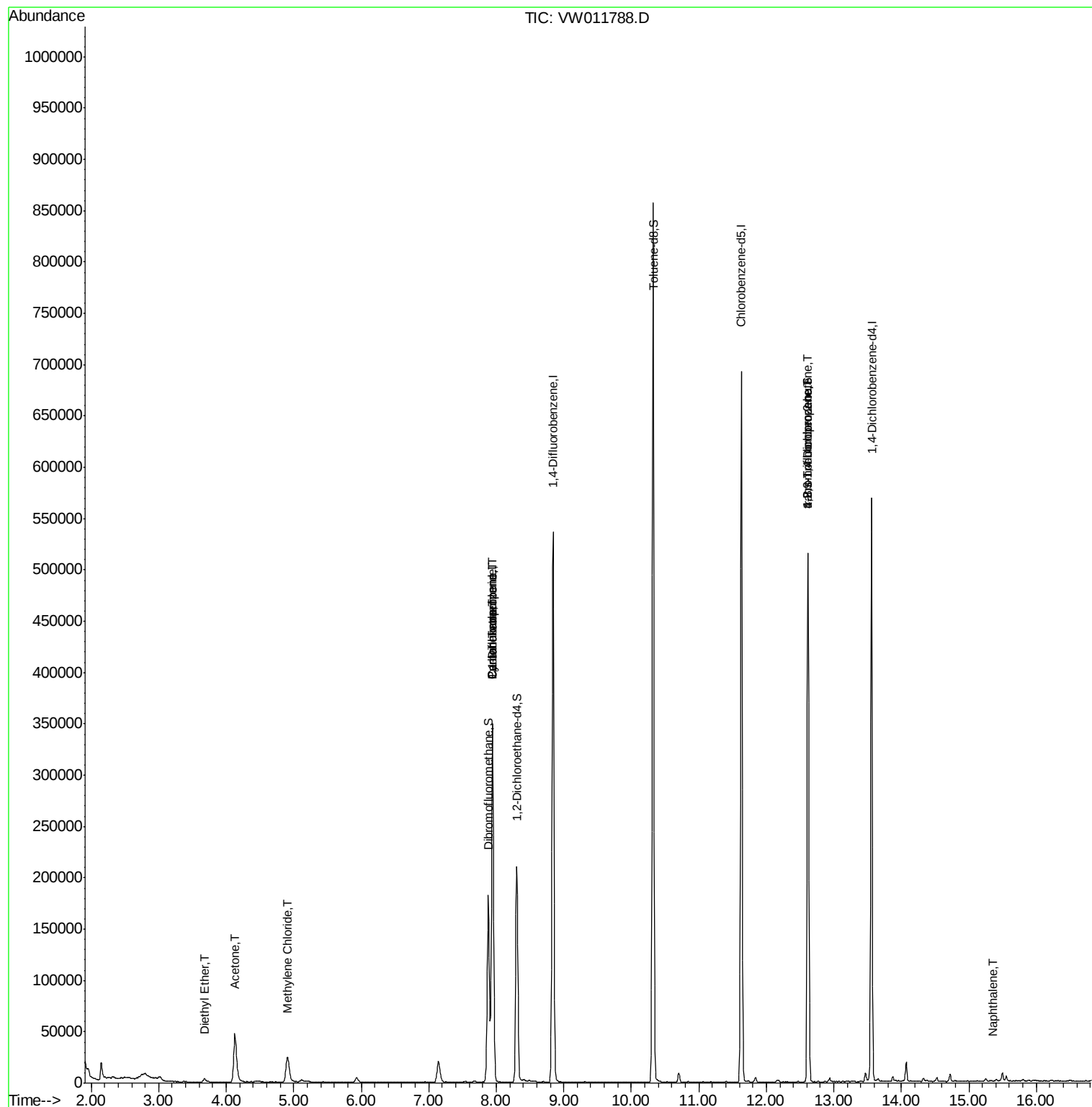
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	251167	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	422216	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	365428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	138557	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	167976	58.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.48%	
35) Dibromofluoromethane	7.88	113	128212	54.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.26%	
50) Toluene-d8	10.32	98	535262	55.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.38%	
62) 4-Bromofluorobenzene	12.61	95	171163	49.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.00%	
Target Compounds						
8) Diethyl Ether	3.68	74	1700	1.148	ug/l	60
11) Tert butyl alcohol	5.20	59	2801	Below Cal		97
16) Acetone	4.13	43	96157	104.812	ug/l	99
20) Methylene Chloride	4.91	84	17870	5.648	ug/l	94
31) Cyclohexane	7.94	56	6134	1.137	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	22408	5.104	ug/l #	51
38) Carbon Tetrachloride	7.95	117	25367	6.749	ug/l #	17
76) 1,2,3-Trichloropropane	12.61	75	91335	62.298	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	91335	143.576	ug/l #	6
95) Naphthalene	15.36	128	381	2.133	ug/l #	77

(#) = 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: VW011788.D

Acq: 09 Aug 2019 00:39

Instrument :

MSVOA_W

ClientSampleId :

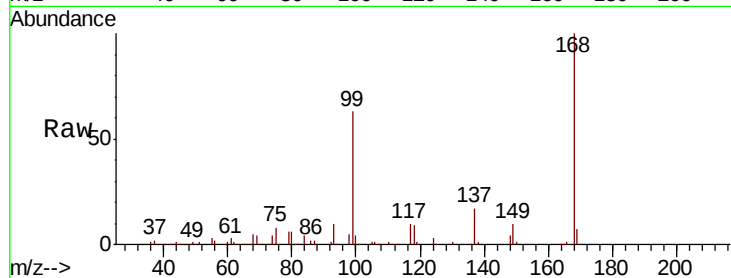
2S-F4-(0)

Tgt Ion:168 Resp: 251167

Ion Ratio Lower Upper

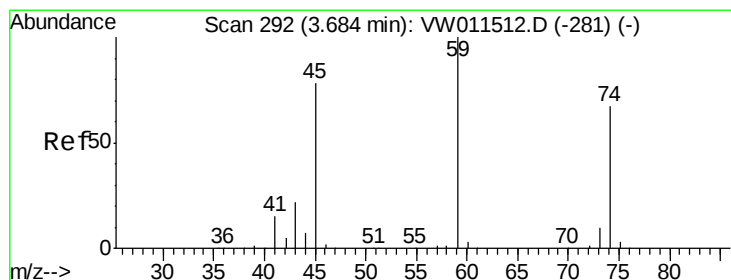
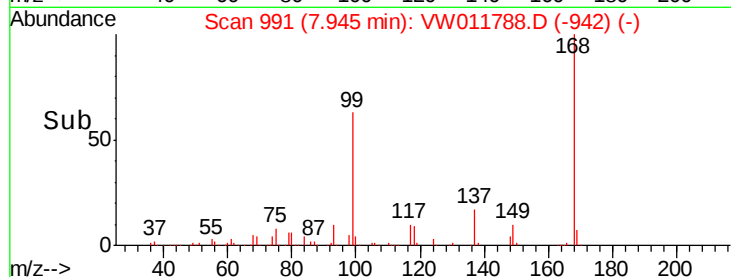
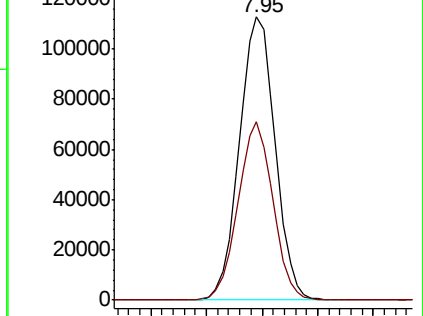
168 100

99 62.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.148 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW011788.D

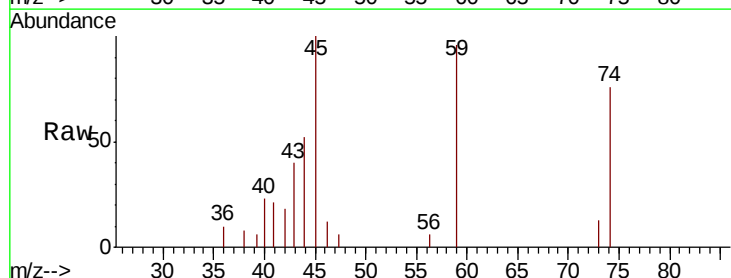
Acq: 09 Aug 2019 00:39

Tgt Ion: 74 Resp: 1700

Ion Ratio Lower Upper

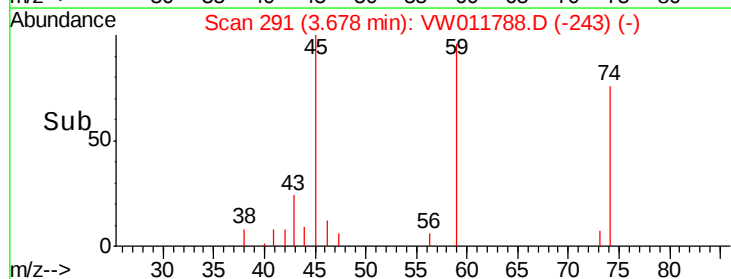
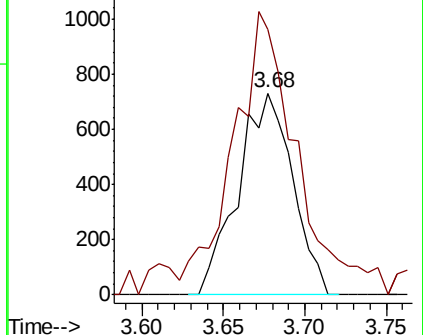
74 100

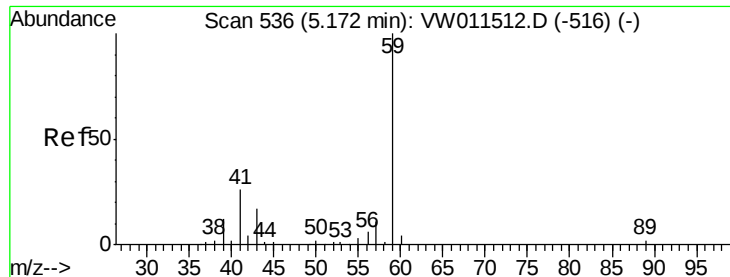
45 163.3 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

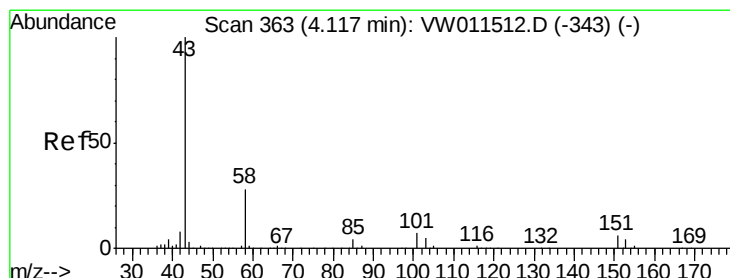
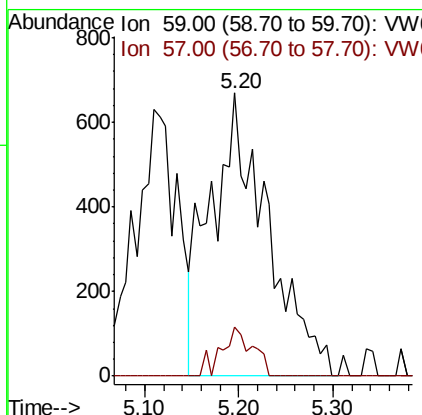
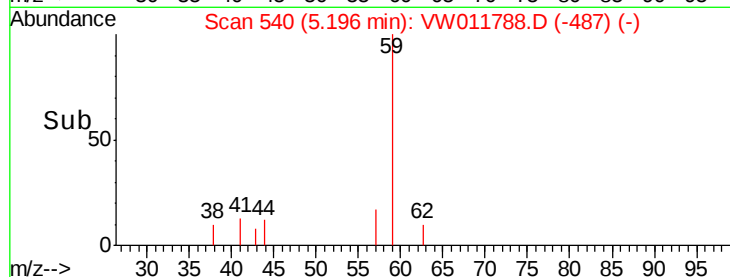
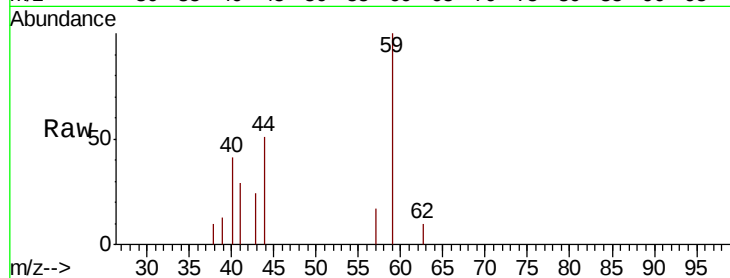




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.20 min Scan# 540
Delta R.T. 0.02 min
Lab File: VW011788.D
Acq: 09 Aug 2019 00:39

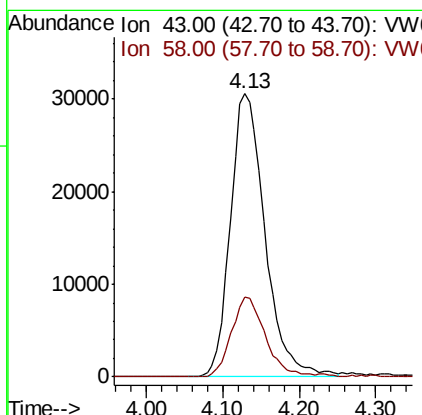
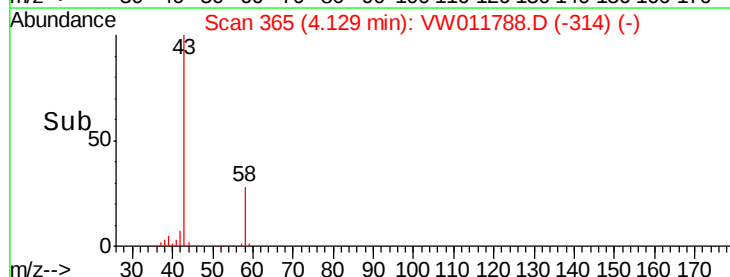
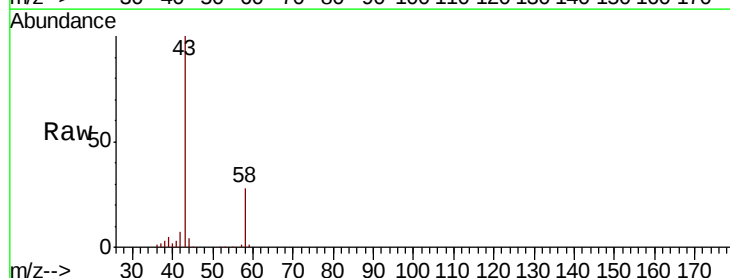
Instrument :
MSVOA_W
ClientSampleId :
2S-F4-(0)

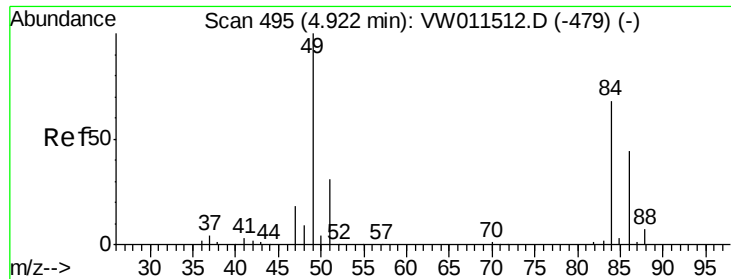
Tgt Ion: 59 Resp: 2801
Ion Ratio Lower Upper
59 100
57 9.5 8.5 12.7



#16
Acetone
Concen: 104.812 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW011788.D
Acq: 09 Aug 2019 00:39

Tgt Ion: 43 Resp: 96157
Ion Ratio Lower Upper
43 100
58 28.2 22.3 33.5

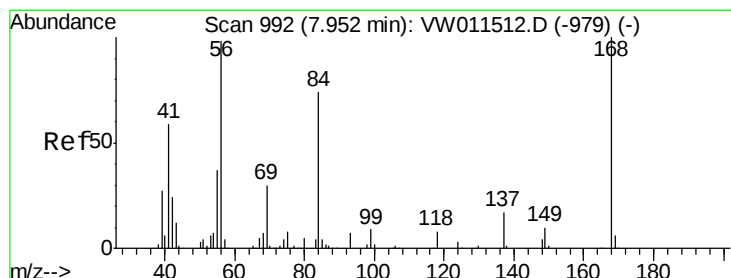
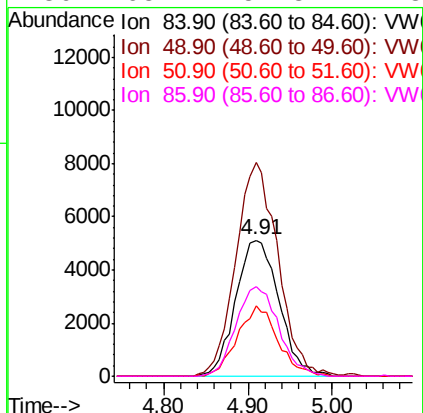
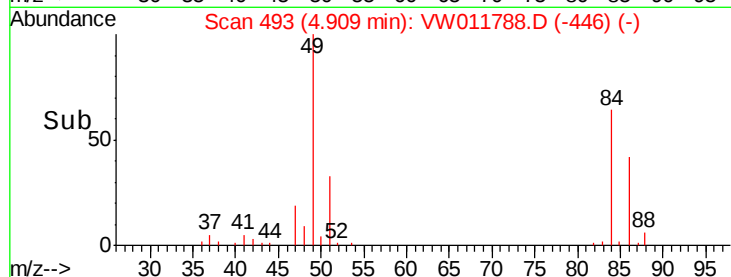
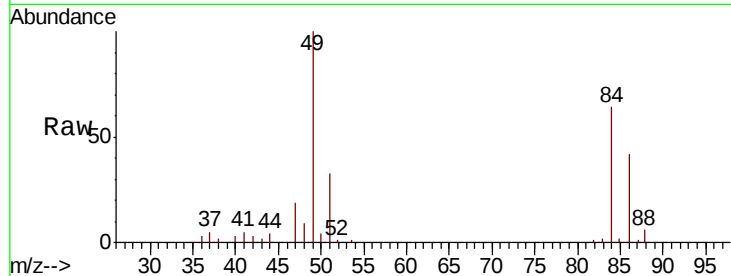




#20
Methylene Chloride
Concen: 5.648 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011788.D
Acq: 09 Aug 2019 00:39

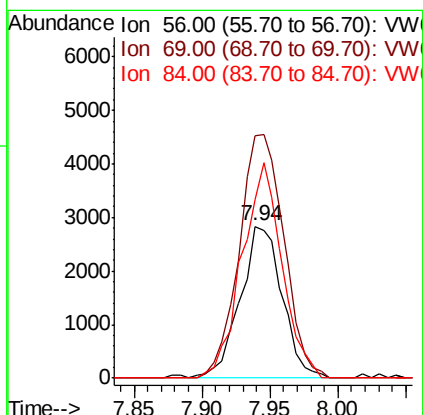
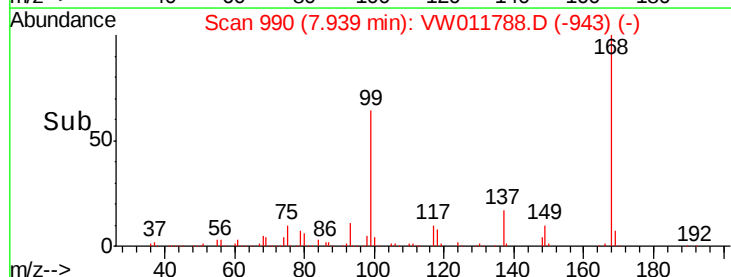
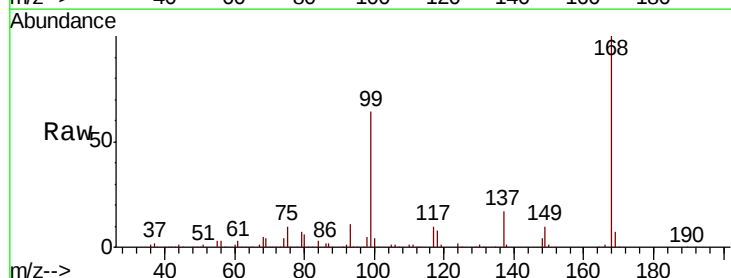
Instrument :
MSVOA_W
ClientSampleId :
2S-F4-(0)

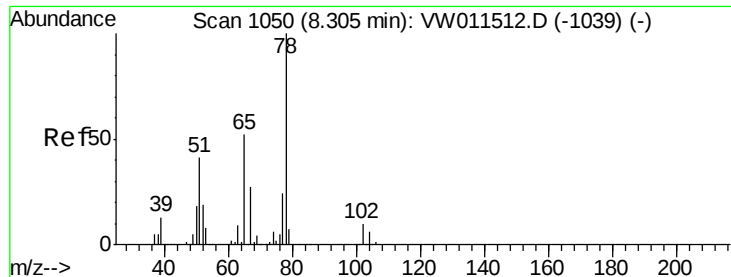
Tgt Ion:	84	Resp:	17870
Ion	Ratio	Lower	Upper
84	100		
49	157.0	117.8	176.6
51	51.5	37.0	55.4
86	65.7	51.8	77.8



#31
Cyclohexane
Concen: 1.137 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011788.D
Acq: 09 Aug 2019 00:39

Tgt Ion:	56	Resp:	6134
Ion	Ratio	Lower	Upper
56	100		
69	160.0	24.3	36.5#
84	117.6	60.4	90.6#

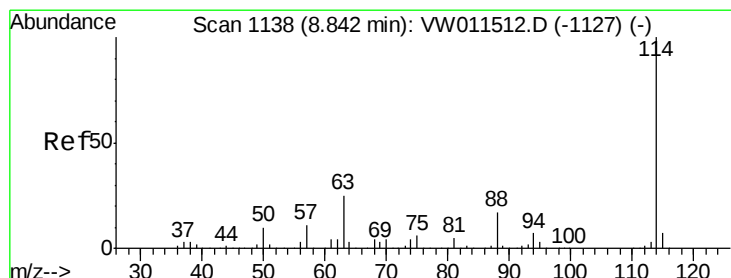
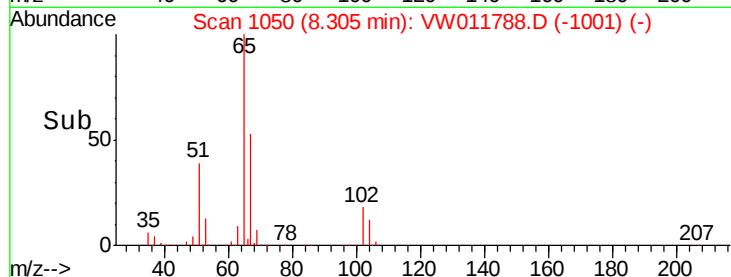
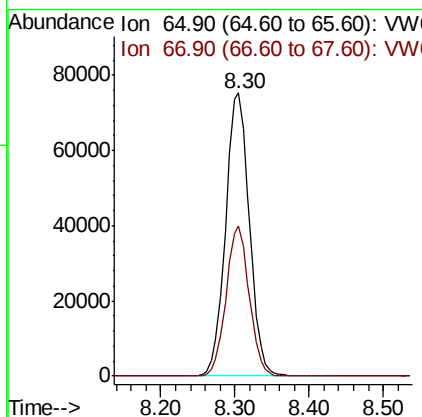
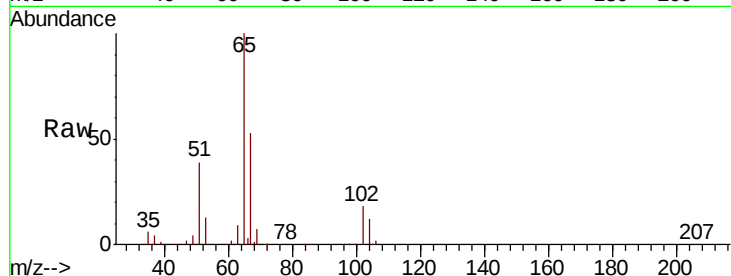




#33
 1,2-Dichloroethane-d4
 Concen: 58.242 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011788.D
 Acq: 09 Aug 2019 00:39

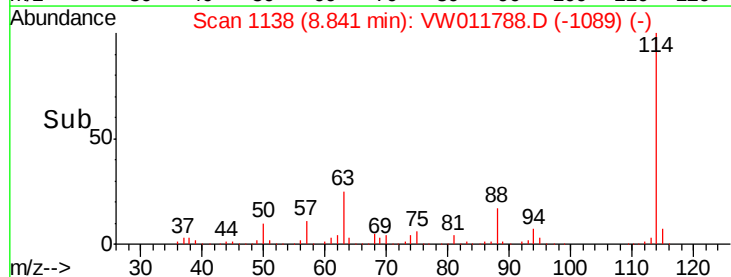
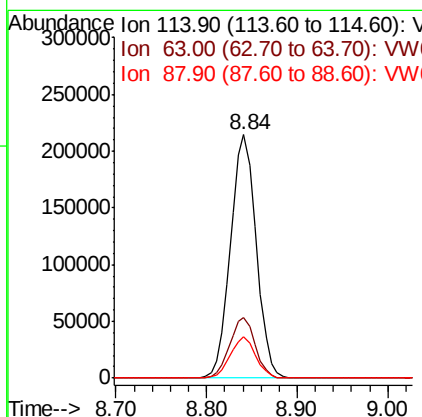
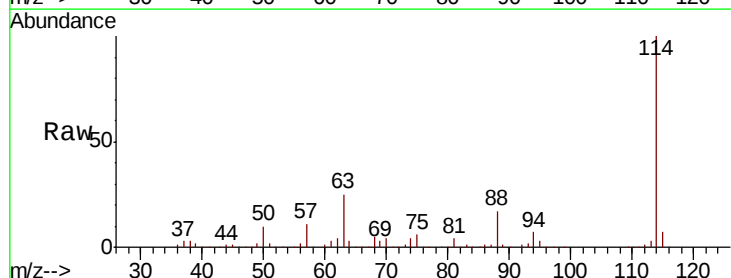
Instrument :
 MSVOA_W
 ClientSampleId :
 2S-F4-(0)

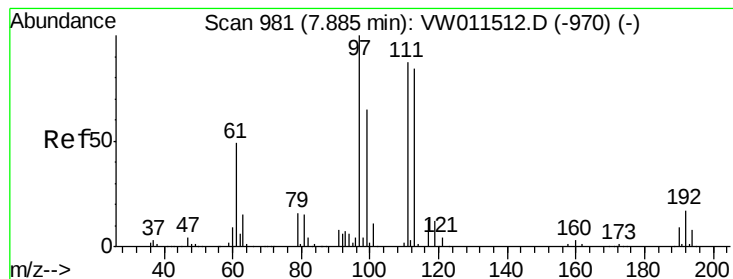
Tgt Ion: 65 Resp: 167976
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011788.D
 Acq: 09 Aug 2019 00:39

Tgt Ion: 114 Resp: 422216
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 49.2
 88 16.9 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.127 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011788.D

Acq: 09 Aug 2019 00:39

Instrument :

MSVOA_W

ClientSampleId :

2S-F4-(0)

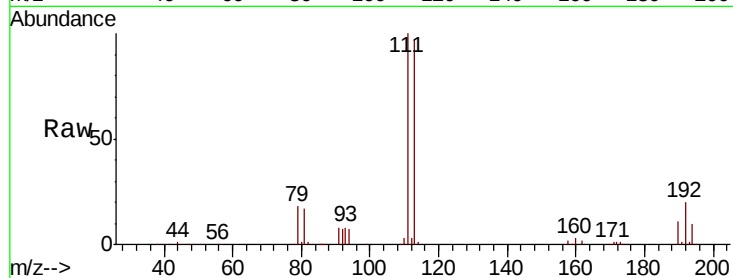
Tgt Ion:113 Resp: 128212

Ion Ratio Lower Upper

113 100

111 103.5 82.7 124.1

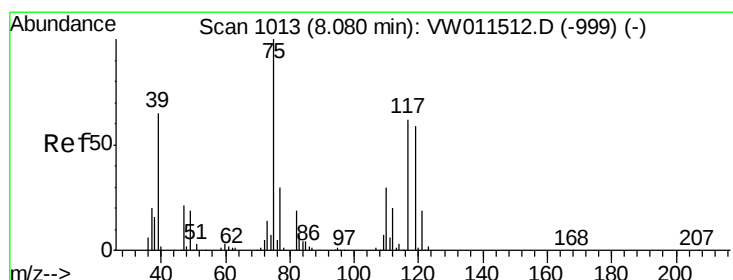
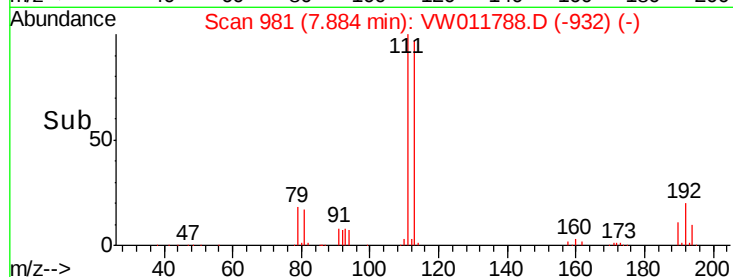
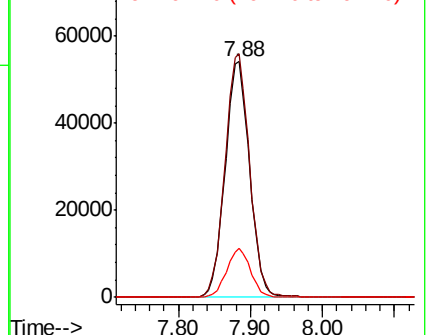
192 20.2 16.1 24.1



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: 5.104 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW011788.D

Acq: 09 Aug 2019 00:39

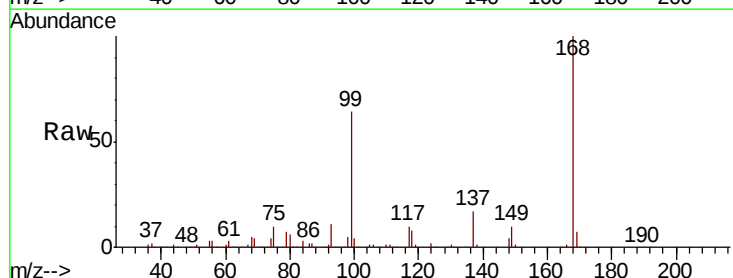
Tgt Ion: 75 Resp: 22408

Ion Ratio Lower Upper

75 100

110 8.0 15.6 46.8#

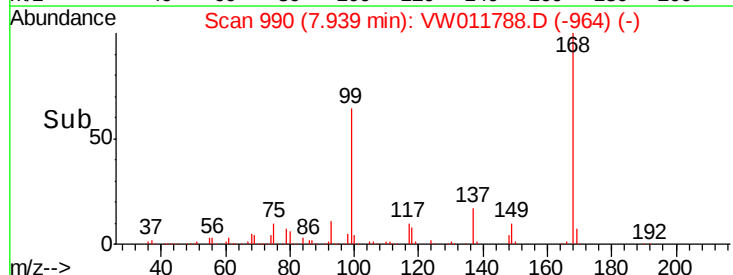
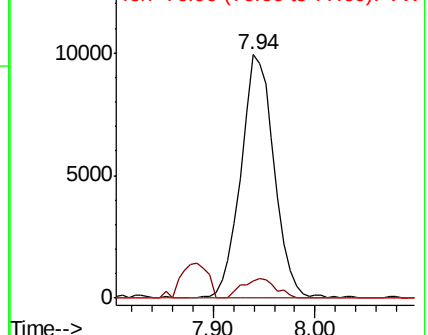
77 0.0 24.3 36.5#

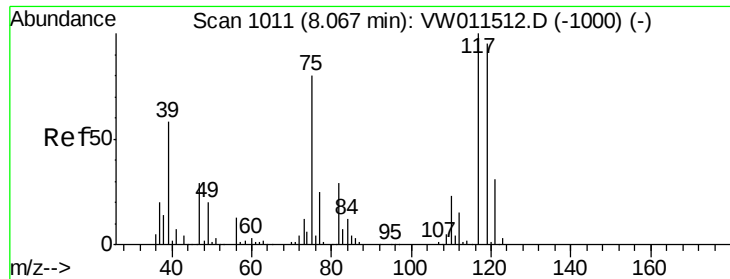


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

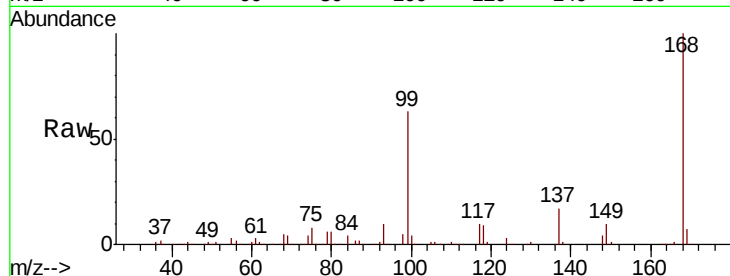




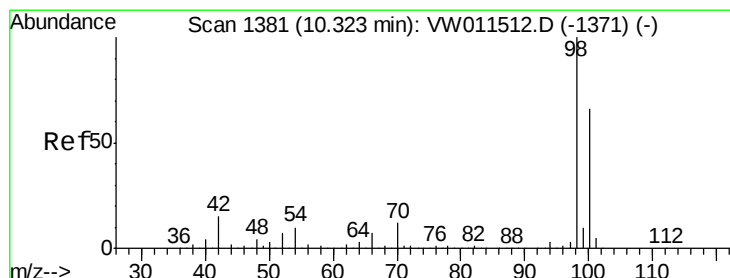
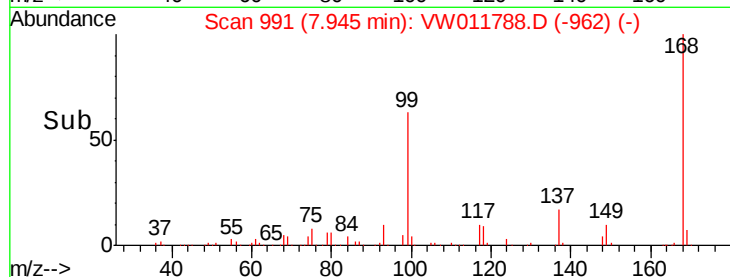
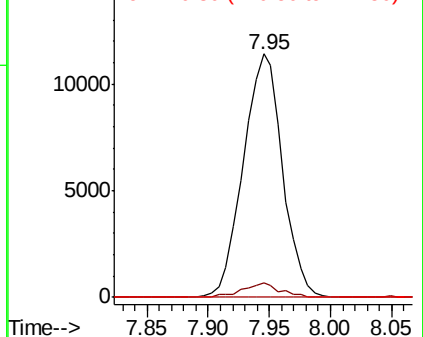
#38
Carbon Tetrachloride
Concen: 6.749 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011788.D
Acq: 09 Aug 2019 00:39

Instrument :
MSVOA_W
ClientSampleId :
2S-F4-(0)

Tgt Ion: 117 Resp: 25367
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.6#
121 0.0 24.7 37.1#

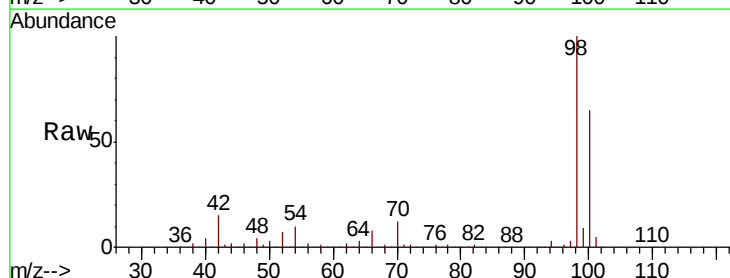


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

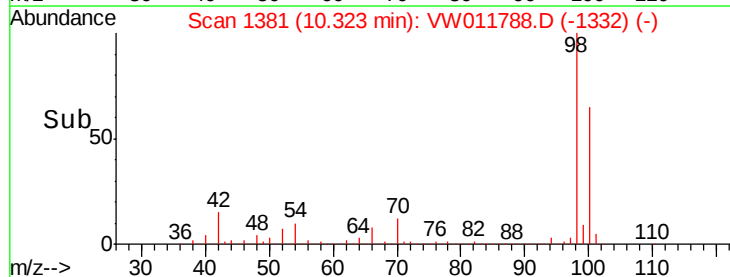
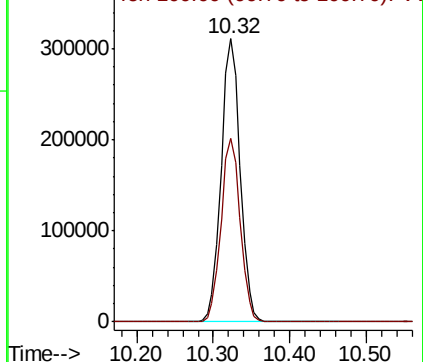


#50
Toluene-d8
Concen: 55.192 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011788.D
Acq: 09 Aug 2019 00:39

Tgt Ion: 98 Resp: 535262
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

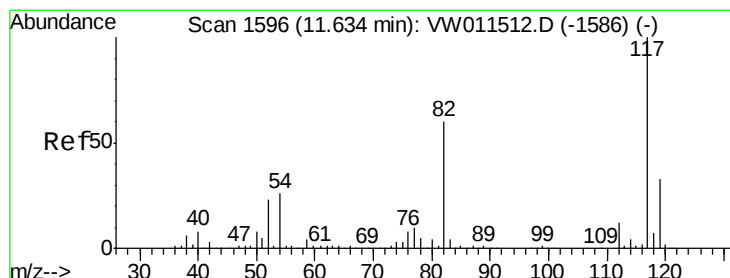
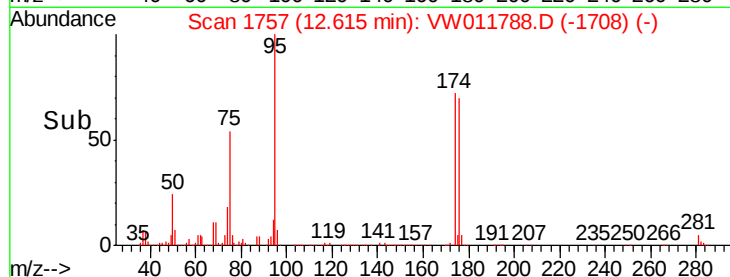
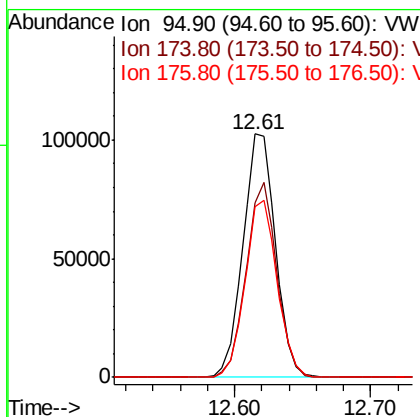
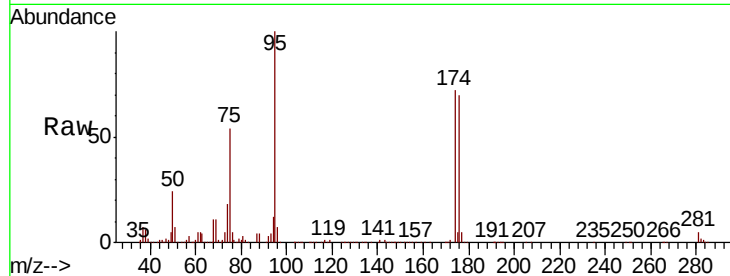




#62
4-Bromofluorobenzene
Concen: 49.503 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011788.D
Acq: 09 Aug 2019 00:39

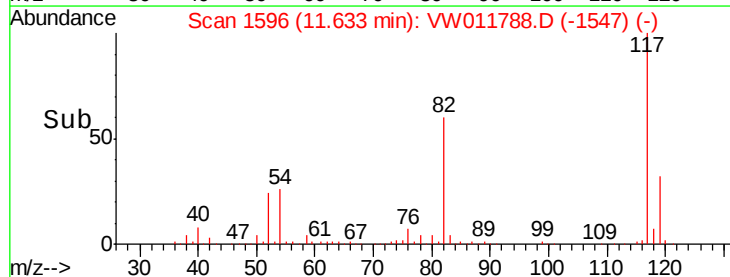
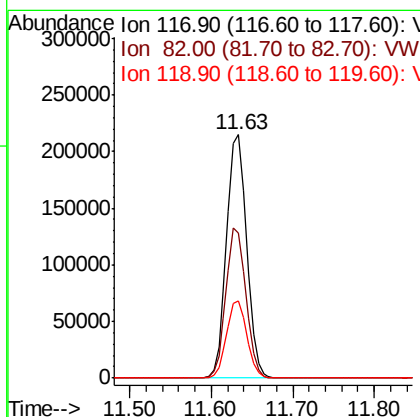
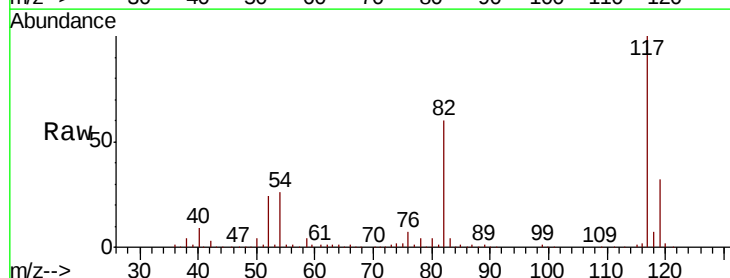
Instrument :
MSVOA_W
ClientSampleId :
2S-F4-(0)

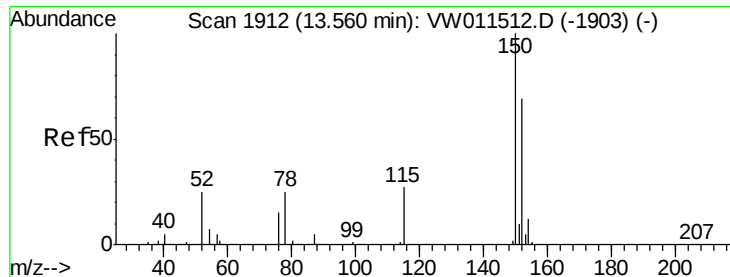
Tgt Ion: 95 Resp: 171163
Ion Ratio Lower Upper
95 100
174 76.0 0.0 150.2
176 72.0 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011788.D
Acq: 09 Aug 2019 00:39

Tgt Ion: 117 Resp: 365428
Ion Ratio Lower Upper
117 100
82 59.8 47.9 71.9
119 31.9 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: VW011788.D

Acq: 09 Aug 2019 00:39

Instrument :

MSVOA_W

ClientSampleId :

2S-F4-(0)

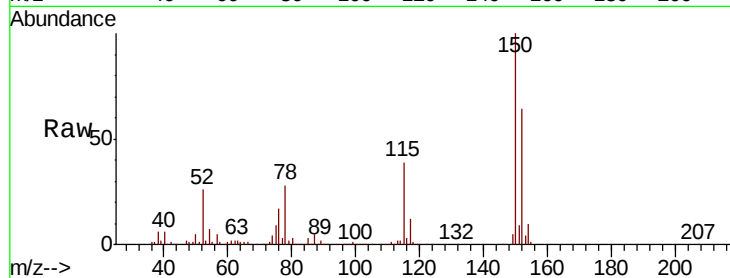
Tgt Ion:152 Resp: 138557

Ion Ratio Lower Upper

152 100

115 61.0 30.5 91.5

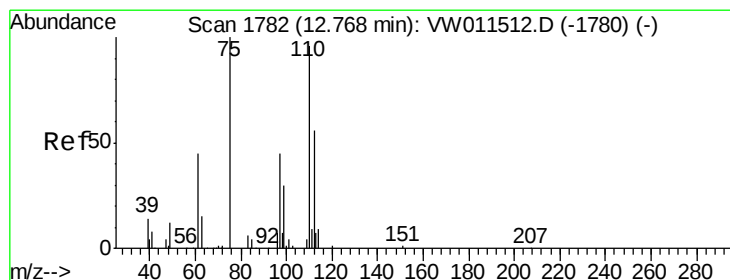
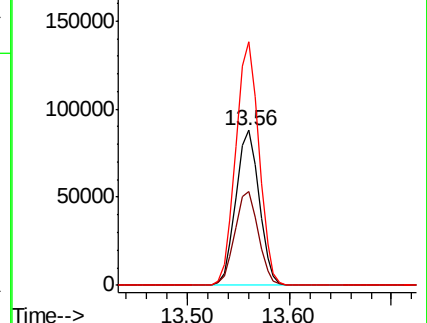
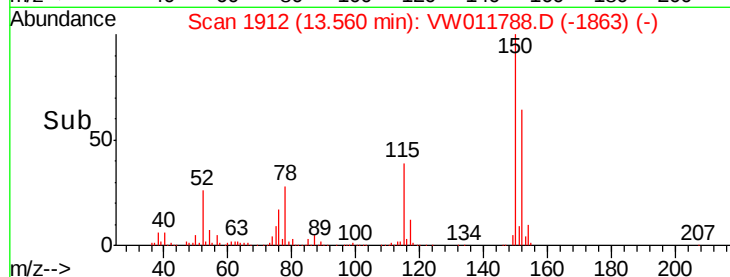
150 155.8 0.0 352.6



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: 62.298 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011788.D

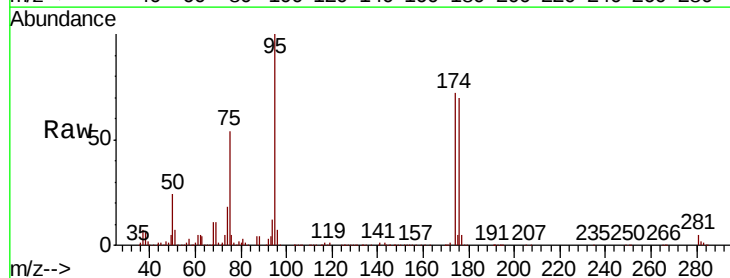
Acq: 09 Aug 2019 00:39

Tgt Ion: 75 Resp: 91335

Ion Ratio Lower Upper

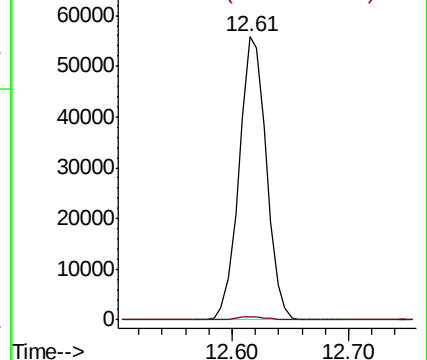
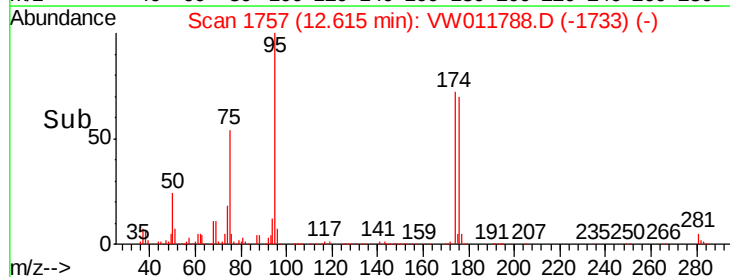
75 100

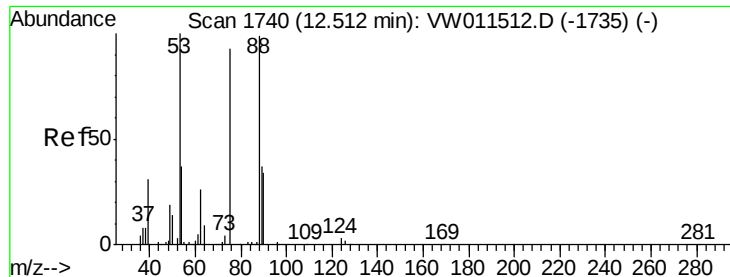
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

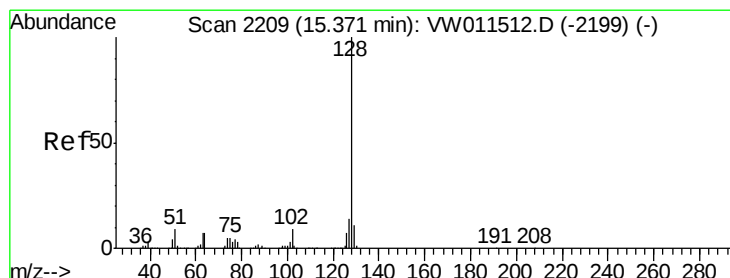
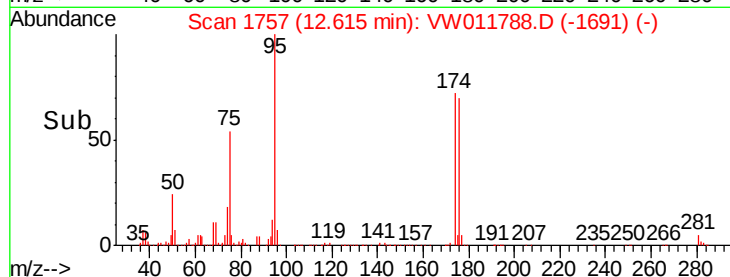
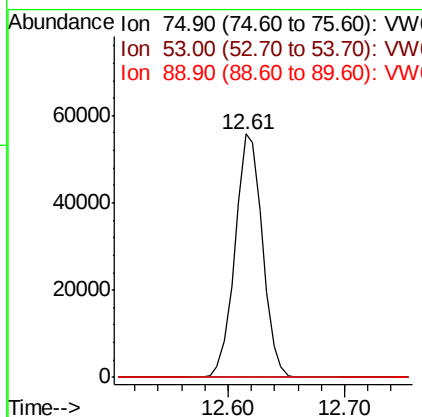
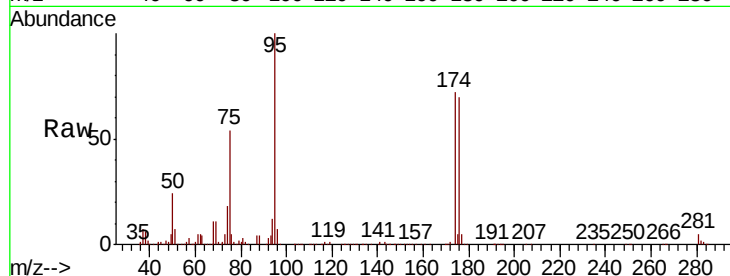




#81
trans-1,4-Dichloro-2-butene
Concen: 143.576 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW011788.D
Acq: 09 Aug 2019 00:39

Instrument :
MSVOA_W
ClientSampleId :
2S-F4-(0)

Tgt Ion: 75 Resp: 91335
Ion Ratio Lower Upper
75 100
53 0.0 88.0 132.0#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: 2.133 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011788.D
Acq: 09 Aug 2019 00:39

Tgt Ion: 128 Resp: 381
Ion Ratio Lower Upper
128 100
127 6.0 10.6 16.0#
129 0.0 8.6 13.0#

