

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080319\
 Data File : VW011648.D
 Acq On : 03 Aug 2019 04:44
 Operator : SY/VA
 Sample : K4131-14
 Misc : 5.77G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-E3-(0-1)

Quant Time: Aug 04 00:09:28 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	249330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	418058	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	346379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	134379	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	163915	57.25	ug/l	0.00
Spiked Amount			Recovery	=	114.50%	
35) Dibromofluoromethane	7.88	113	127722	54.46	ug/l	0.00
Spiked Amount			Recovery	=	108.92%	
50) Toluene-d8	10.32	98	514552	53.58	ug/l	0.00
Spiked Amount			Recovery	=	107.16%	
62) 4-Bromofluorobenzene	12.62	95	160526	46.89	ug/l	0.00
Spiked Amount			Recovery	=	93.78%	

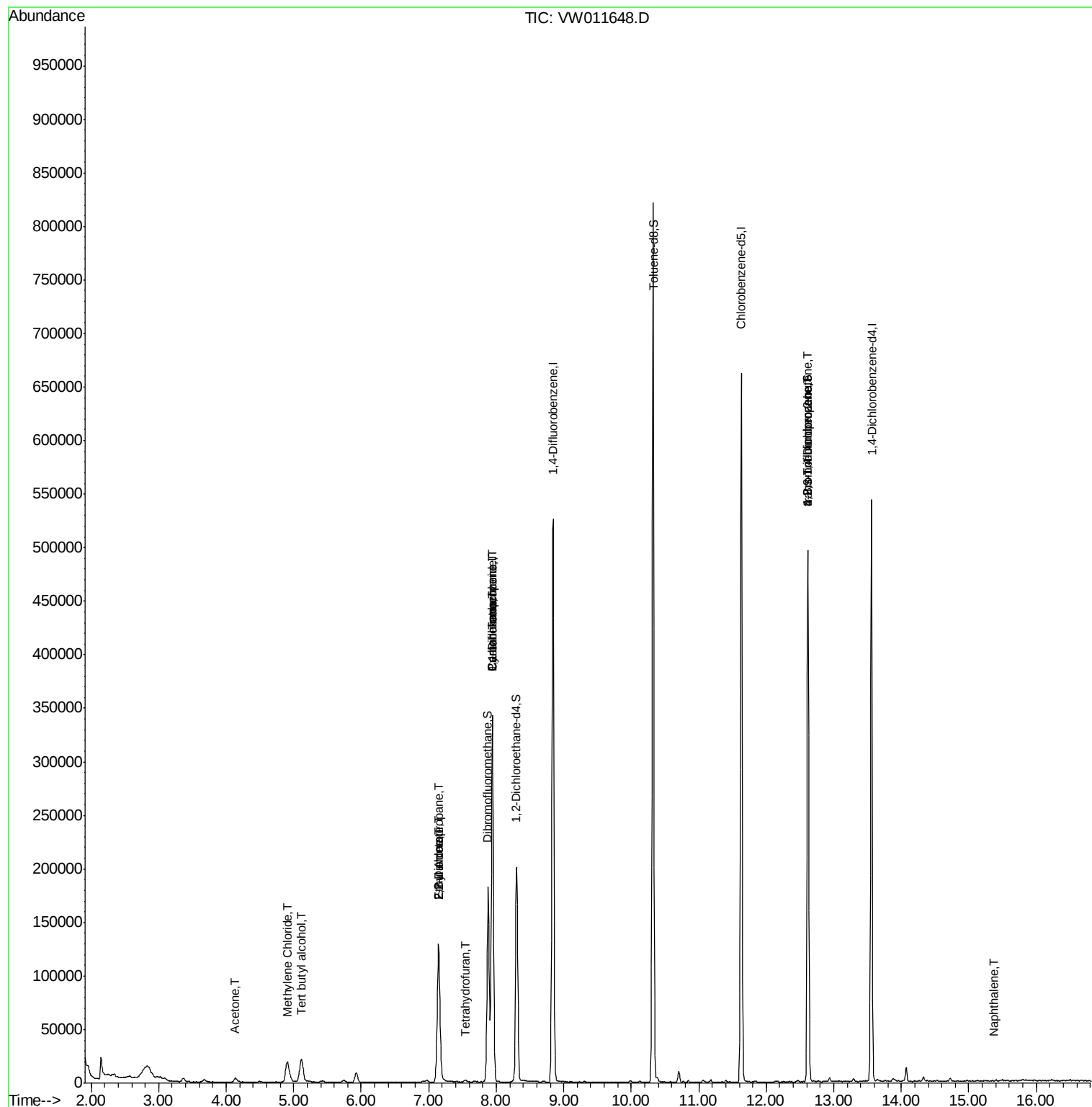
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	21999	92.914	ug/l #	73
16) Acetone	4.14	43	7273	7.986	ug/l	96
20) Methylene Chloride	4.90	84	14299	4.553	ug/l	98
25) 2-Butanone	7.14	43	7659	6.427	ug/l #	81
26) 2,2-Dichloropropane	7.14	77	8840	2.578	ug/l #	54
29) Tetrahydrofuran	7.55	42	1293	1.898	ug/l	97
31) Cyclohexane	7.95	56	6530	1.220	ug/l #	17
36) 1,1-Dichloropropene	7.95	75	21444	4.933	ug/l #	51
37) Ethyl Acetate	7.14	43	7659	3.062	ug/l #	1
38) Carbon Tetrachloride	7.94	117	25350	6.812	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	85746	60.304	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	85746	138.981	ug/l #	6
95) Naphthalene	15.37	128	261	2.113	ug/l #	69

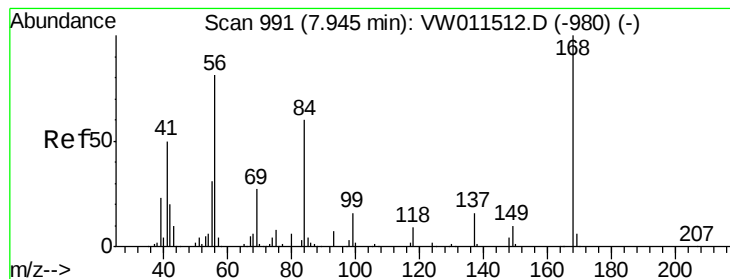
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011648.D

Acq: 03 Aug 2019 04:44

Instrument :

MSVOA_W

ClientSampleId :

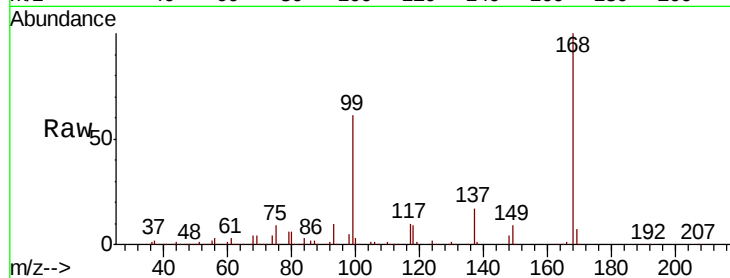
1S-E3-(0-1)

Tgt Ion:168 Resp: 249330

Ion Ratio Lower Upper

168 100

99 60.6 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

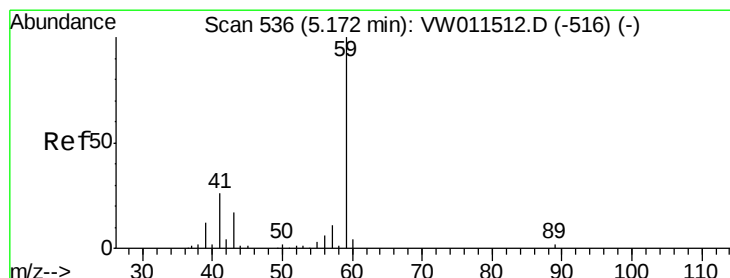
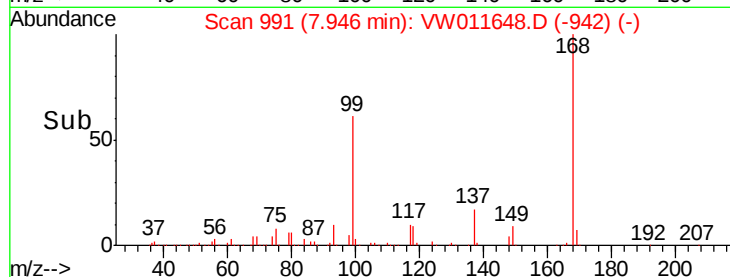
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 92.914 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW011648.D

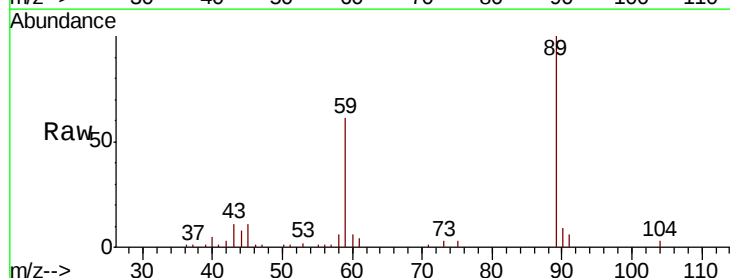
Acq: 03 Aug 2019 04:44

Tgt Ion: 59 Resp: 21999

Ion Ratio Lower Upper

59 100

57 0.6 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

6000

5000

4000

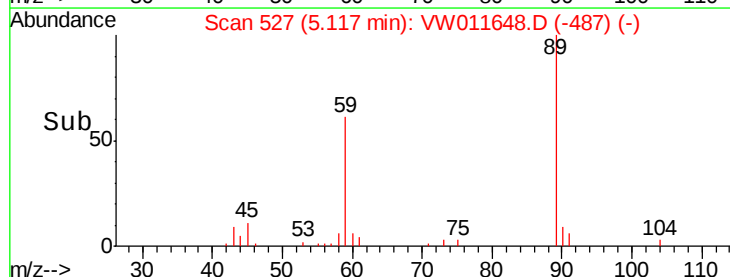
3000

2000

1000

0

Time--> 5.00 5.10 5.20

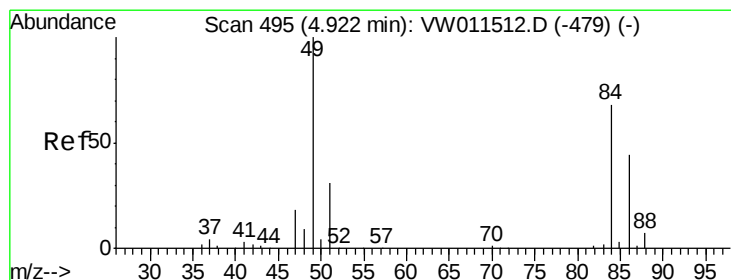
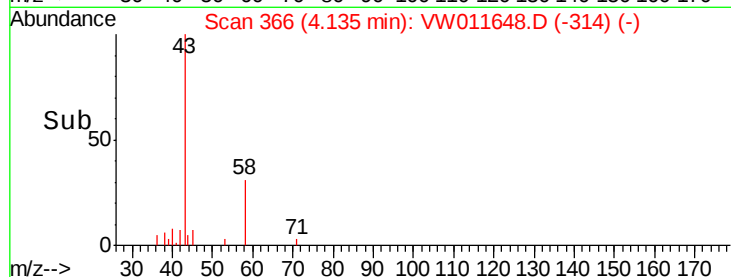
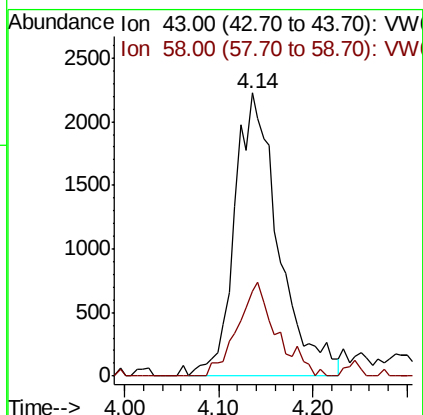
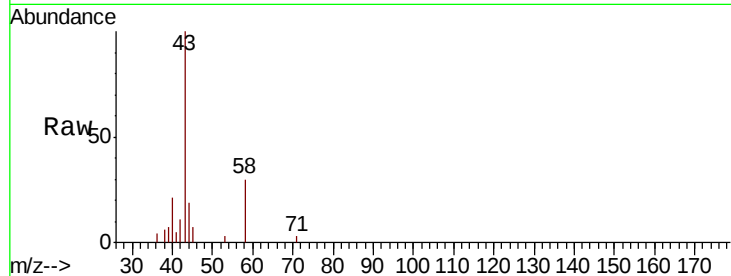




#16
Acetone
Concen: 7.986 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW011648.D
Acq: 03 Aug 2019 04:44

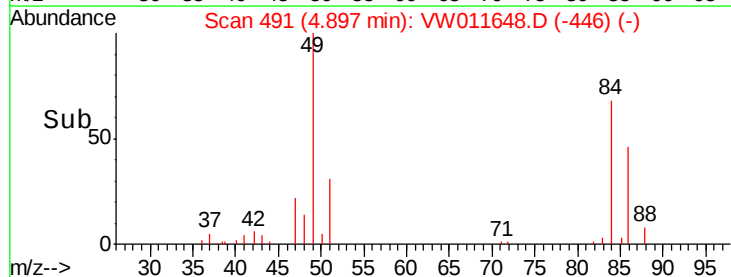
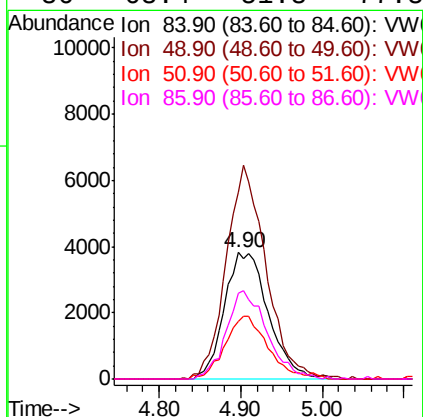
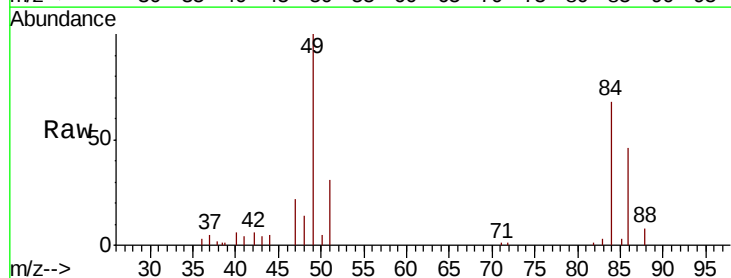
Instrument :
MSVOA_W
ClientSampleId :
1S-E3-(0-1)

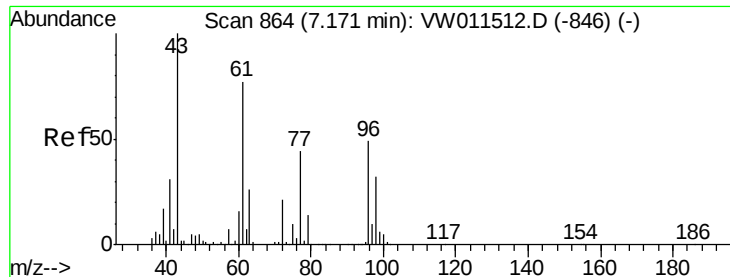
Tgt Ion: 43 Resp: 7273
Ion Ratio Lower Upper
43 100
58 29.9 22.3 33.5



#20
Methylene Chloride
Concen: 4.553 ug/l
RT: 4.90 min Scan# 491
Delta R.T. -0.02 min
Lab File: VW011648.D
Acq: 03 Aug 2019 04:44

Tgt Ion: 84 Resp: 14299
Ion Ratio Lower Upper
84 100
49 147.9 117.8 176.6
51 45.3 37.0 55.4
86 68.4 51.8 77.8





#25

2-Butanone

Concen: 6.427 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW011648.D

Acq: 03 Aug 2019 04:44

Instrument :

MSVOA_W

ClientSampled :

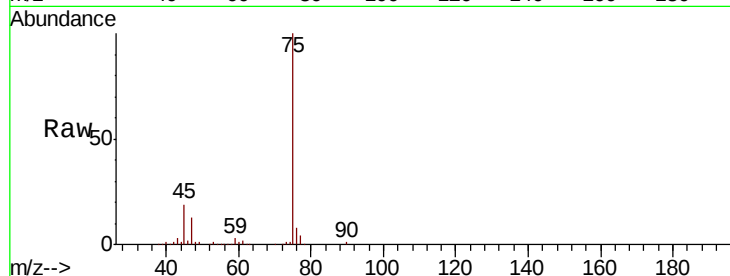
1S-E3-(0-1)

Tgt Ion: 43 Resp: 7659

Ion Ratio Lower Upper

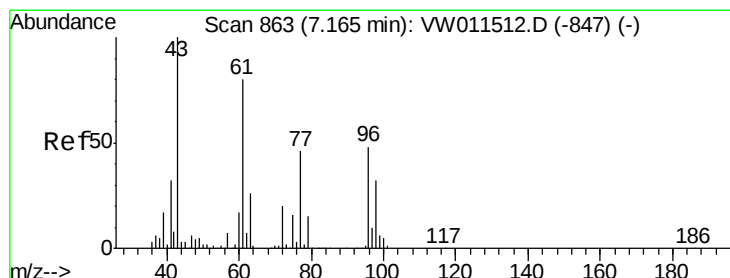
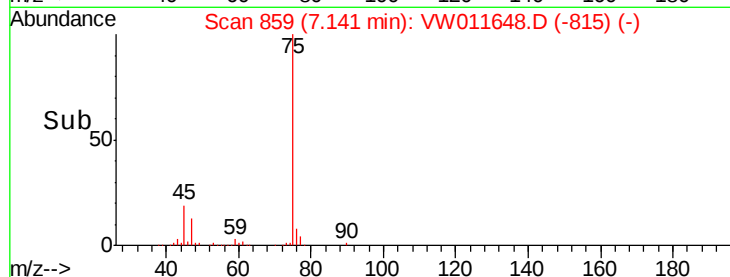
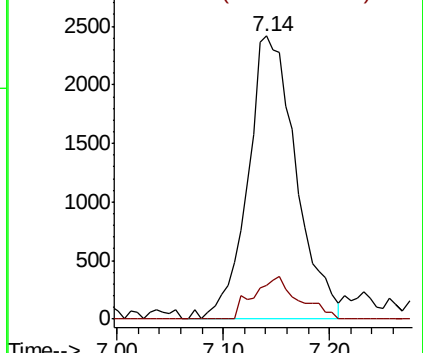
43 100

72 12.0 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 2.578 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011648.D

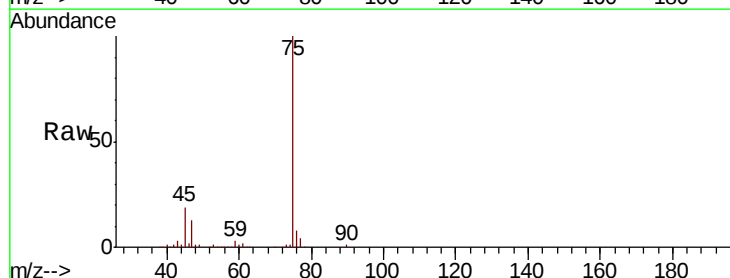
Acq: 03 Aug 2019 04:44

Tgt Ion: 77 Resp: 8840

Ion Ratio Lower Upper

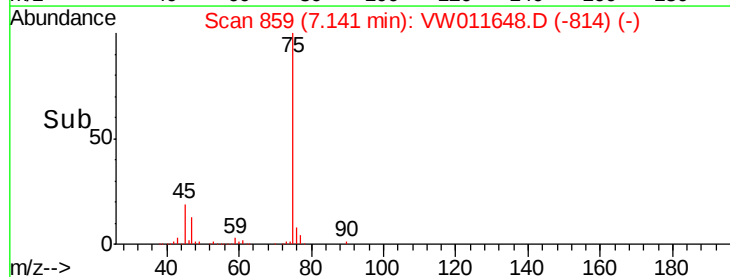
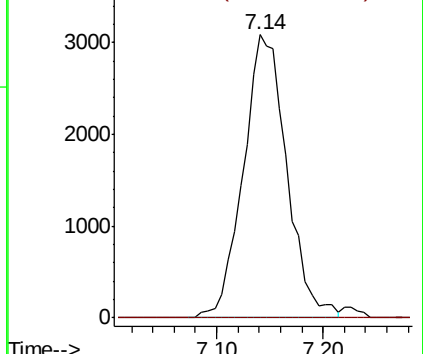
77 100

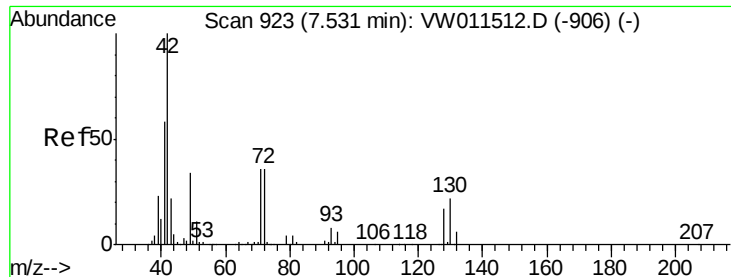
97 0.0 10.8 32.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

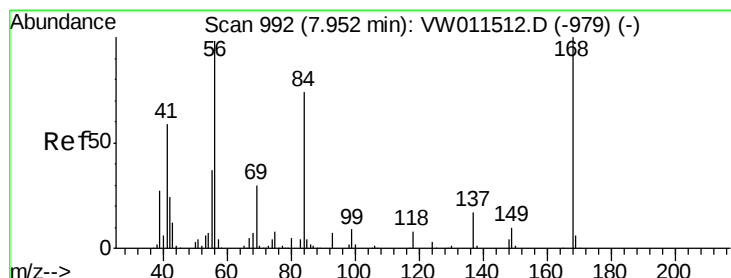
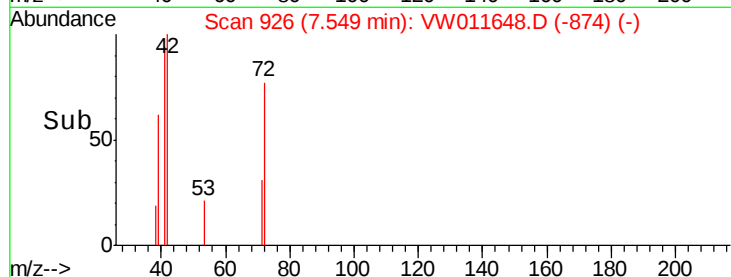
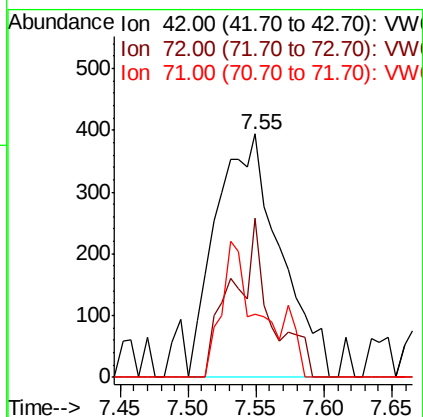
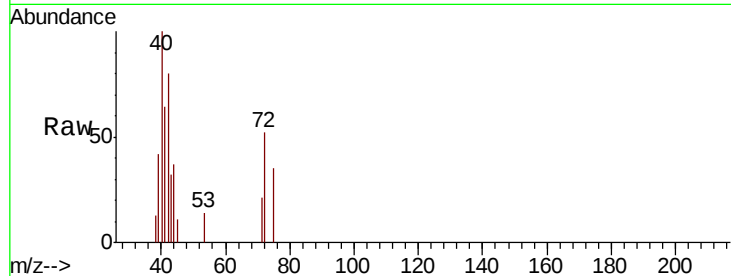




#29
Tetrahydrofuran
Concen: 1.898 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW011648.D
Acq: 03 Aug 2019 04:44

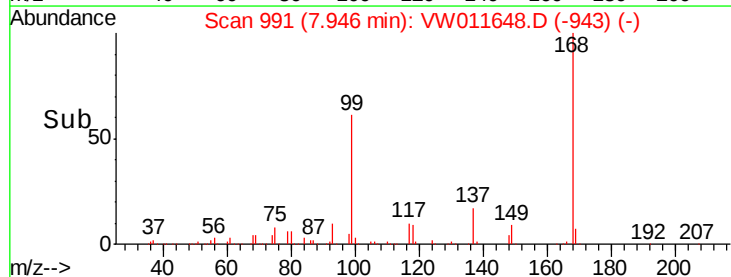
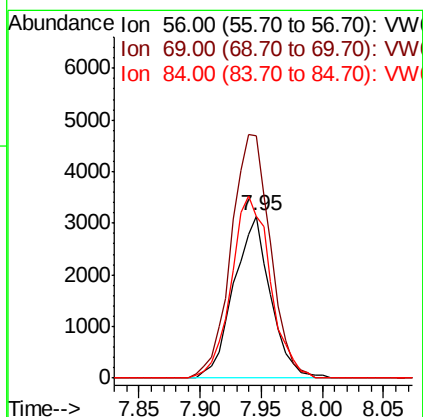
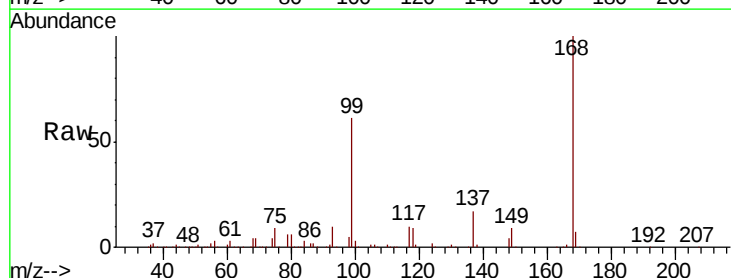
Instrument :
MSVOA_W
ClientSampled :
1S-E3-(0-1)

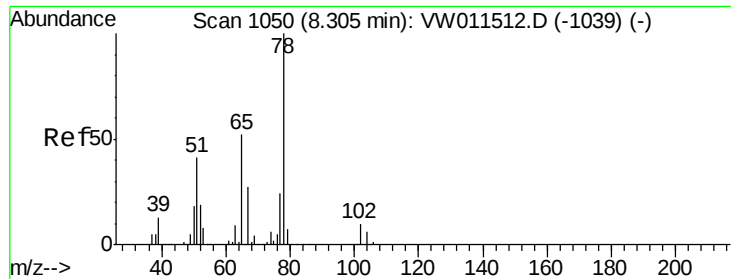
Tgt Ion: 42 Resp: 1293
Ion Ratio Lower Upper
42 100
72 32.9 27.1 40.7
71 29.9 26.2 39.4



#31
Cyclohexane
Concen: 1.220 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011648.D
Acq: 03 Aug 2019 04:44

Tgt Ion: 56 Resp: 6530
Ion Ratio Lower Upper
56 100
69 149.6 24.3 36.5#
84 100.0 60.4 90.6#

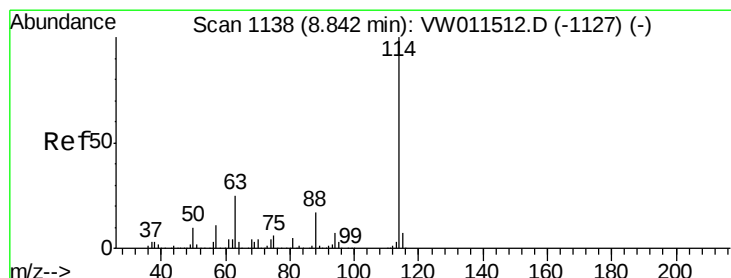
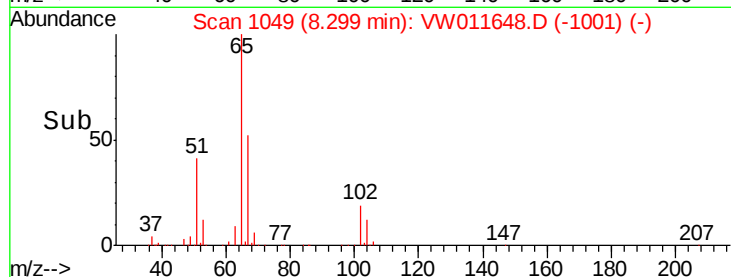
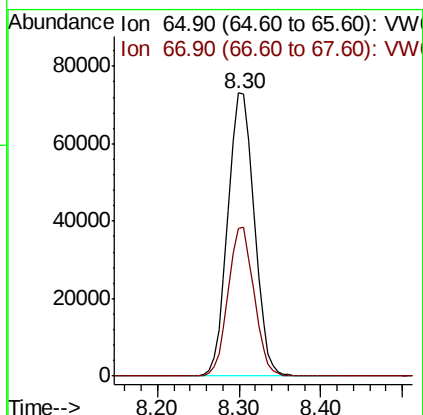
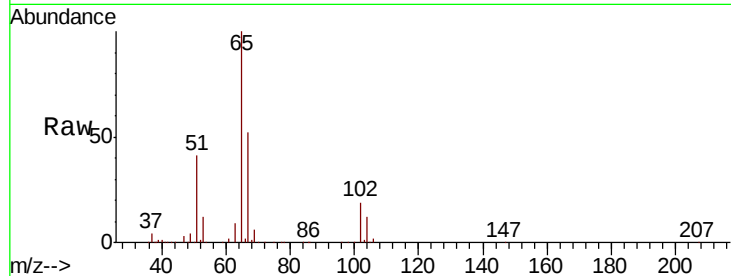




#33
 1,2-Dichloroethane-d4
 Concen: 57.253 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011648.D
 Acq: 03 Aug 2019 04:44

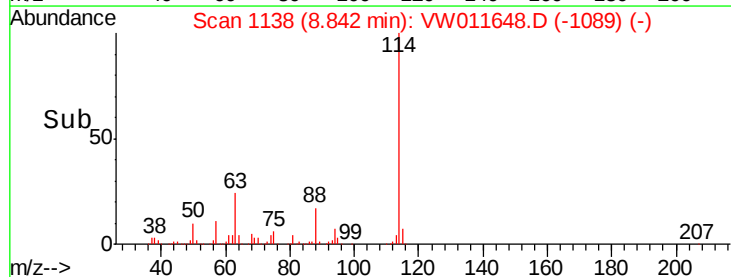
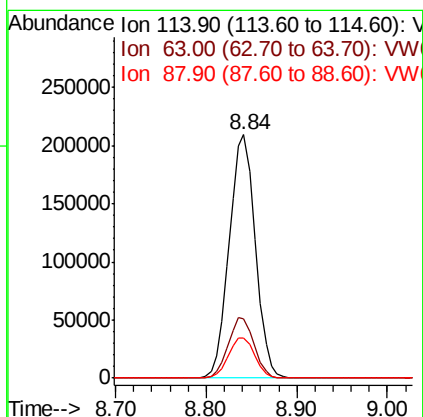
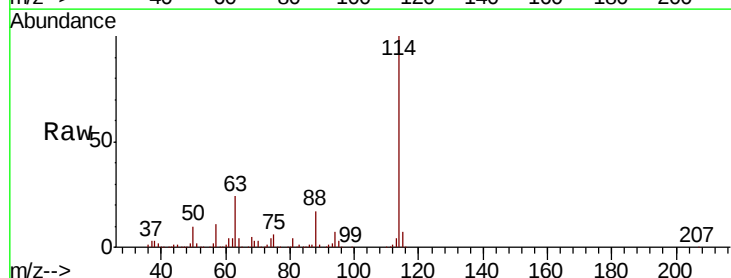
Instrument :
 MSVOA_W
 ClientSampleId :
 1S-E3-(0-1)

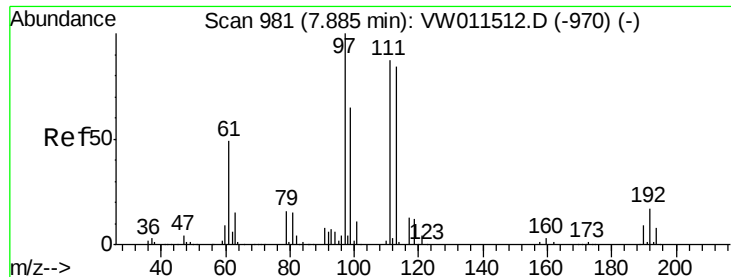
Tgt Ion: 65 Resp: 163915
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011648.D
 Acq: 03 Aug 2019 04:44

Tgt Ion: 114 Resp: 418058
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 49.2
 88 16.7 0.0 33.8

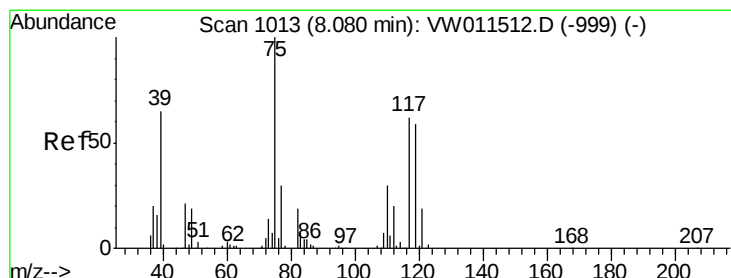
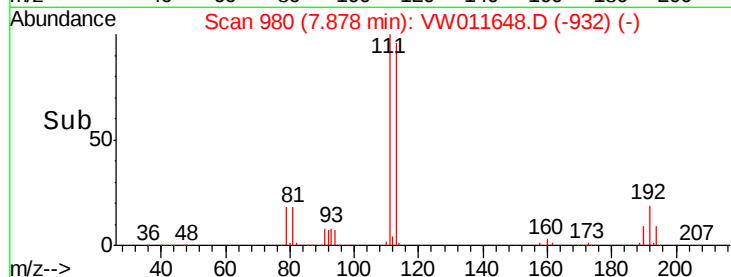
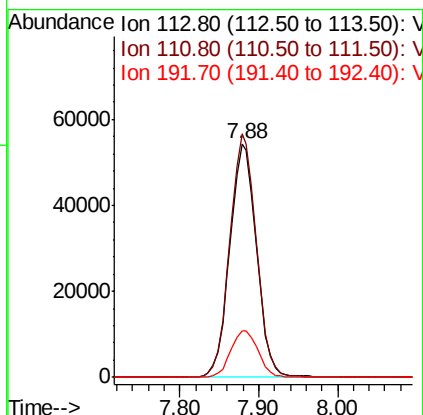
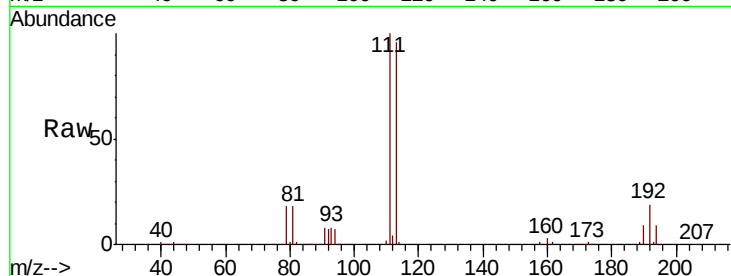




#35
 Dibromofluoromethane
 Concen: 54.457 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011648.D
 Acq: 03 Aug 2019 04:44

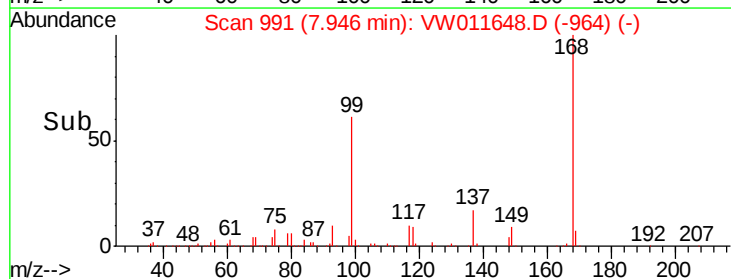
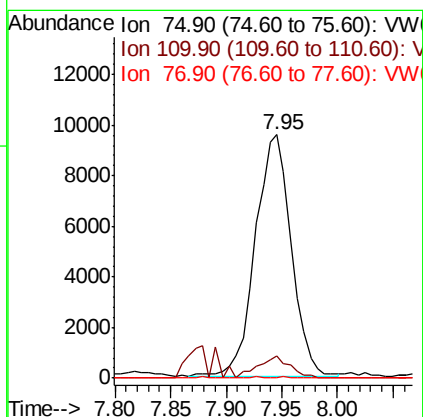
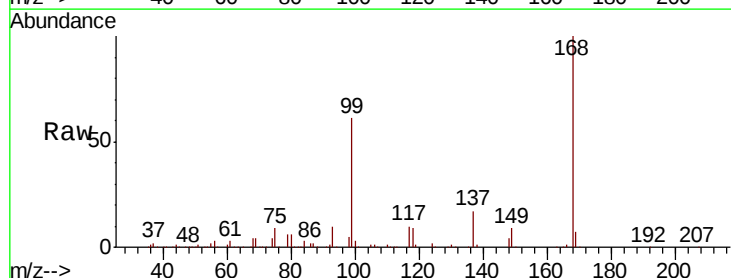
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 1S-E3-(0-1)

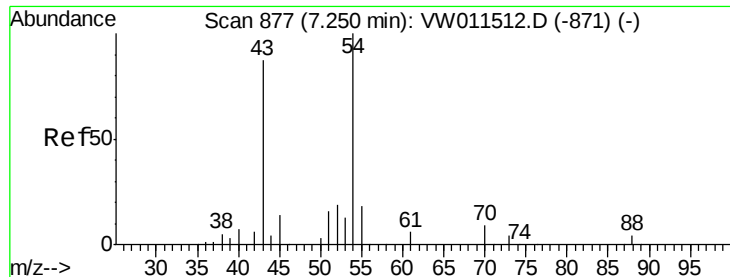
Tgt Ion:113 Resp: 127722
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.7 124.1
 192 20.4 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.933 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011648.D
 Acq: 03 Aug 2019 04:44

Tgt Ion: 75 Resp: 21444
 Ion Ratio Lower Upper
 75 100
 110 8.2 15.6 46.8#
 77 0.1 24.3 36.5#





#37

Ethyl Acetate

Concen: 3.062 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.11 min

Lab File: VW011648.D

Acq: 03 Aug 2019 04:44

Instrument :

MSVOA_W

ClientSampleId :

1S-E3-(0-1)

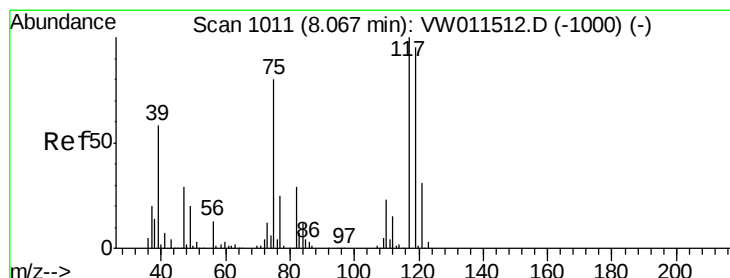
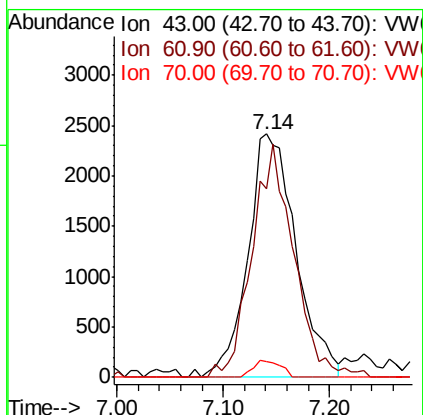
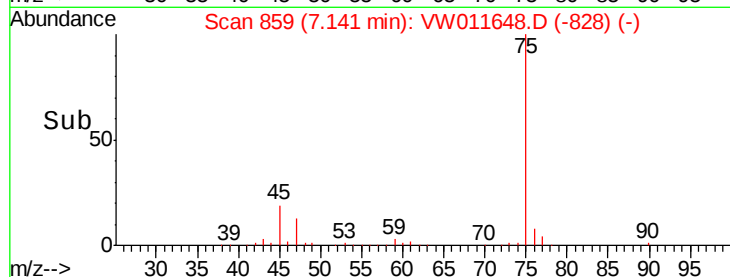
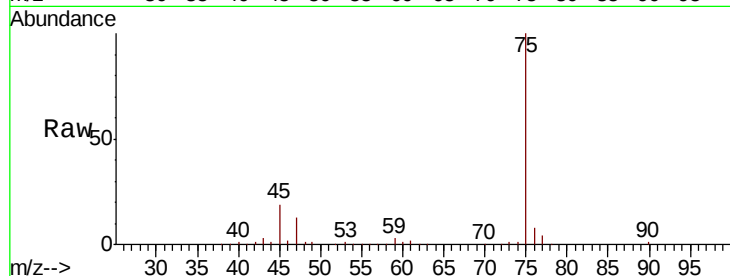
Tgt Ion: 43 Resp: 7659

Ion Ratio Lower Upper

43 100

61 83.2 8.8 13.2#

70 4.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.812 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW011648.D

Acq: 03 Aug 2019 04:44

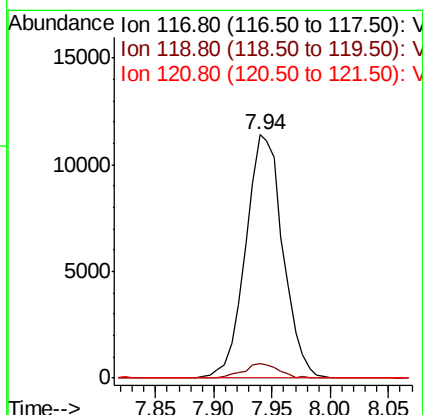
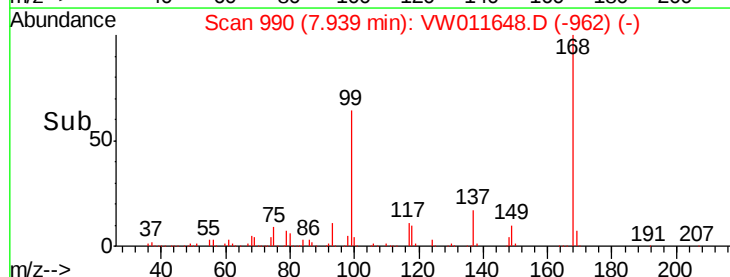
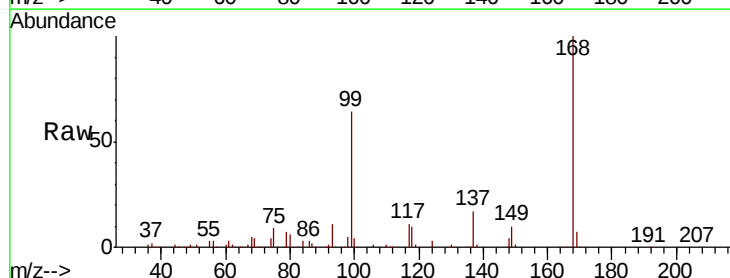
Tgt Ion: 117 Resp: 25350

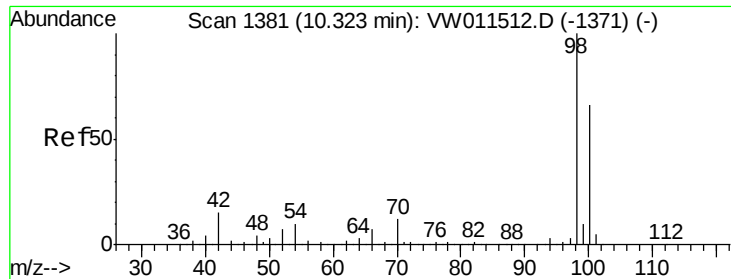
Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.6#

121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 53.584 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011648.D

Acq: 03 Aug 2019 04:44

Instrument :

MSVOA_W

ClientSampleId :

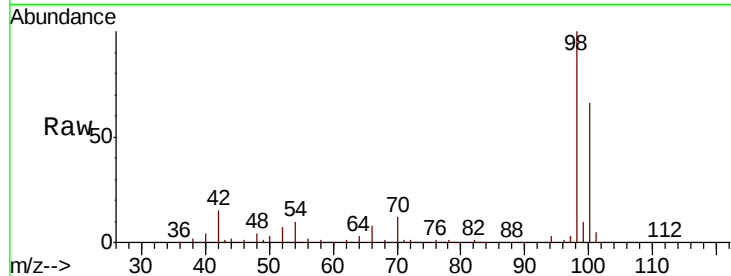
1S-E3-(0-1)

Tgt Ion: 98 Resp: 514552

Ion Ratio Lower Upper

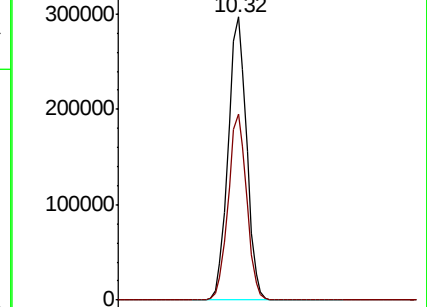
98 100

100 65.4 52.7 79.1

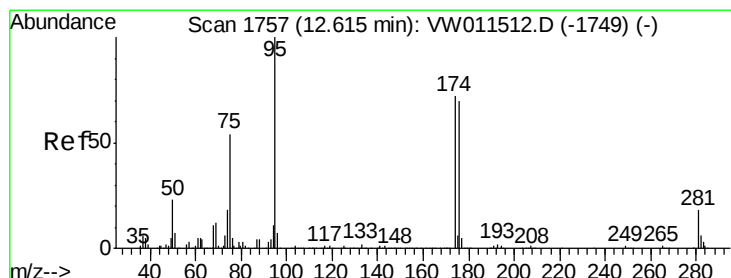
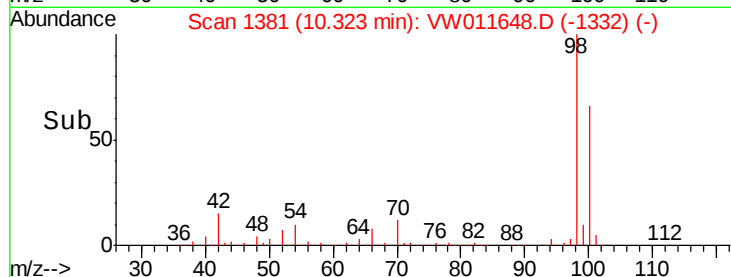


Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



Time-->



#62

4-Bromofluorobenzene

Concen: 46.889 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011648.D

Acq: 03 Aug 2019 04:44

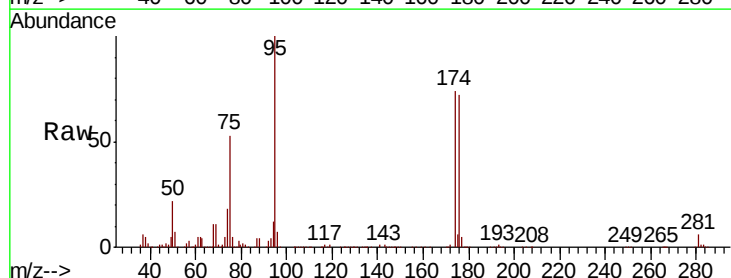
Tgt Ion: 95 Resp: 160526

Ion Ratio Lower Upper

95 100

174 75.0 0.0 150.2

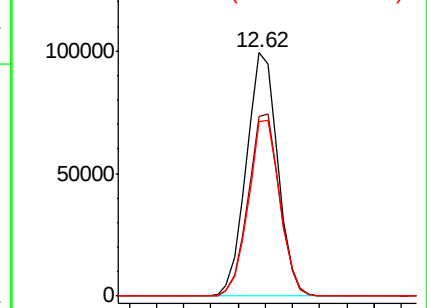
176 72.5 0.0 144.4



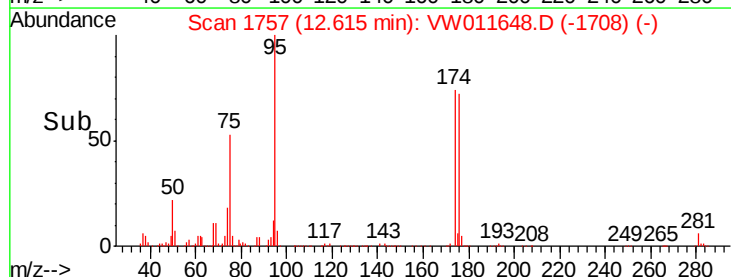
Abundance Ion 94.90 (94.60 to 95.60): VW

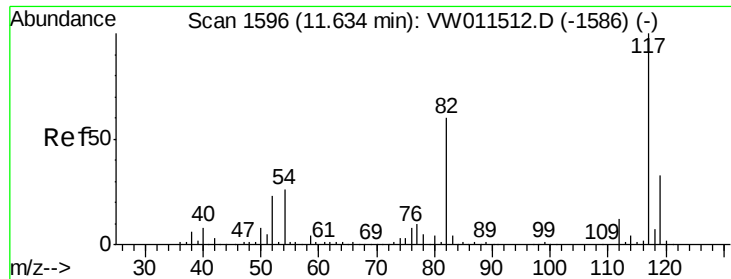
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

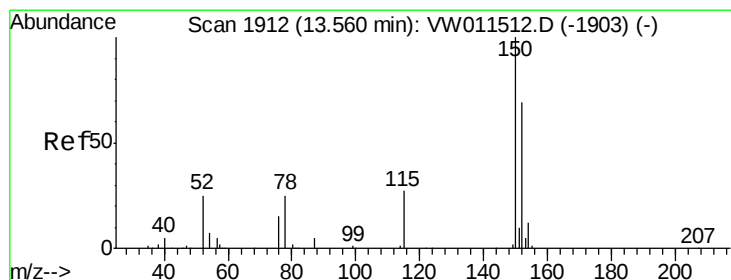
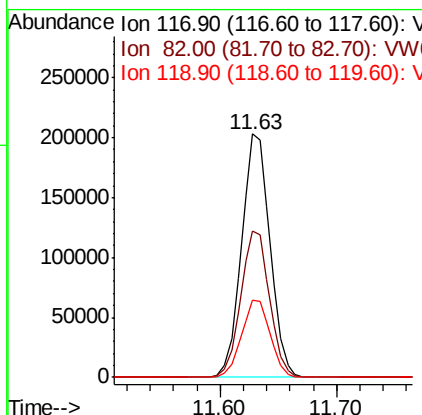
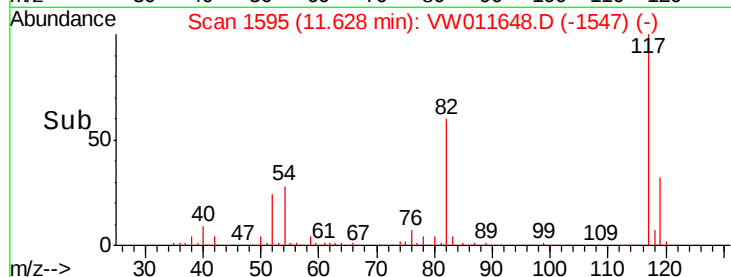
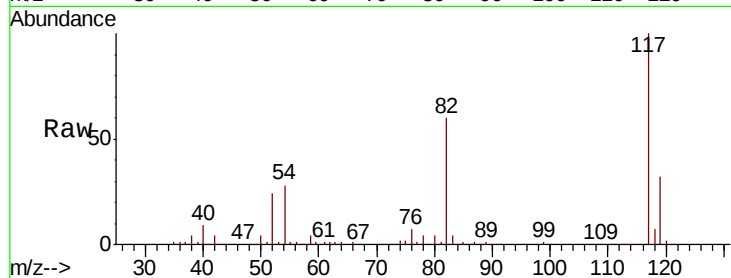




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011648.D
Acq: 03 Aug 2019 04:44

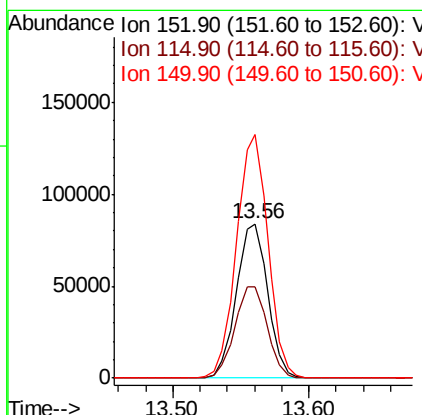
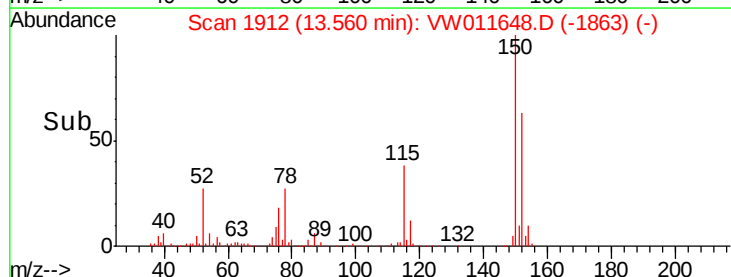
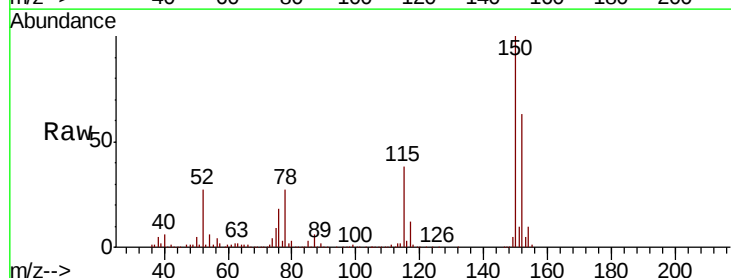
Instrument :
MSVOA_W
ClientSampleId :
1S-E3-(0-1)

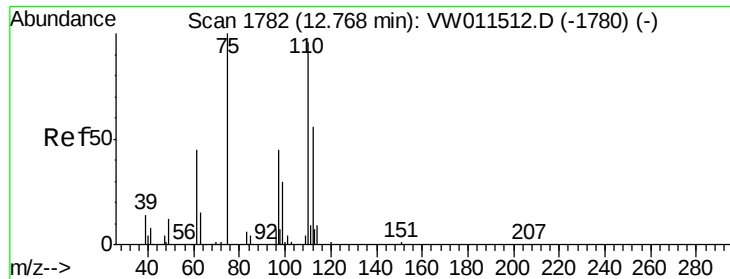
Tgt Ion:117 Resp: 346379
Ion Ratio Lower Upper
117 100
82 60.2 47.9 71.9
119 31.6 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011648.D
Acq: 03 Aug 2019 04:44

Tgt Ion:152 Resp: 134379
Ion Ratio Lower Upper
152 100
115 61.6 30.5 91.5
150 158.8 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 60.304 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011648.D

Acq: 03 Aug 2019 04:44

Instrument :

MSVOA_W

ClientSampleId :

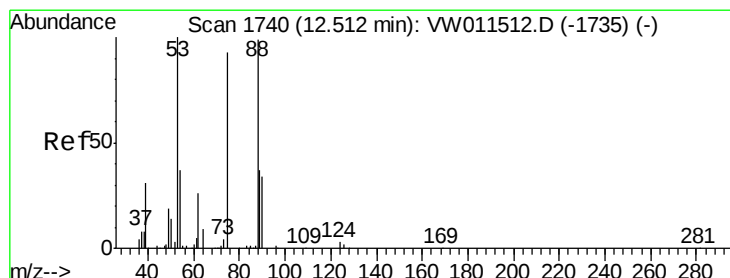
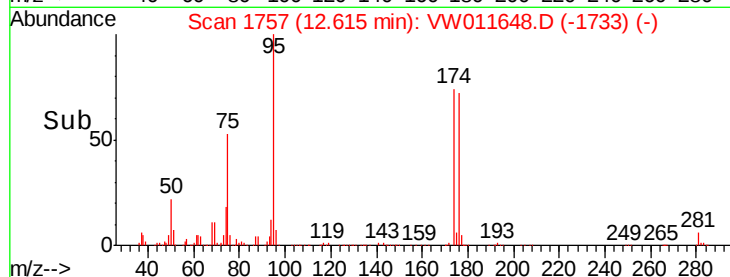
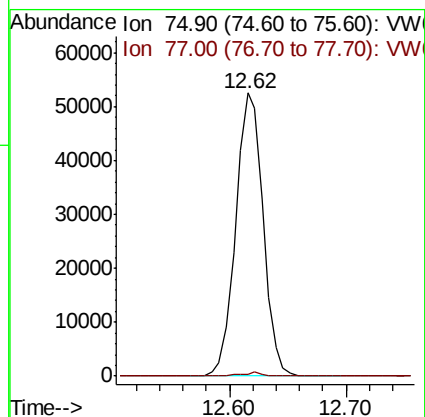
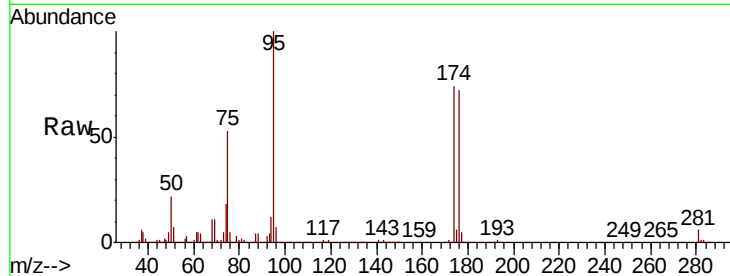
1S-E3-(0-1)

Tgt Ion: 75 Resp: 85746

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 138.981 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011648.D

Acq: 03 Aug 2019 04:44

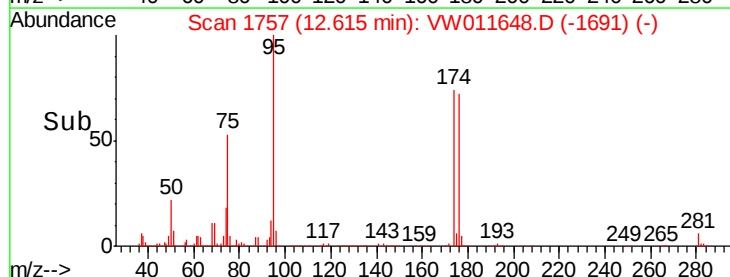
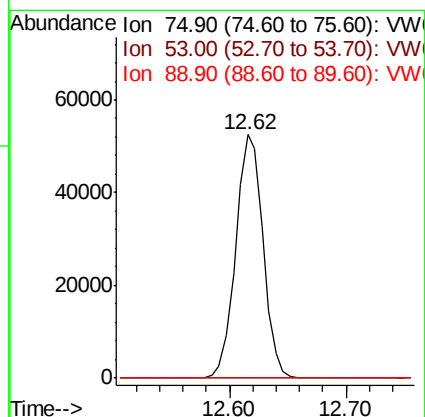
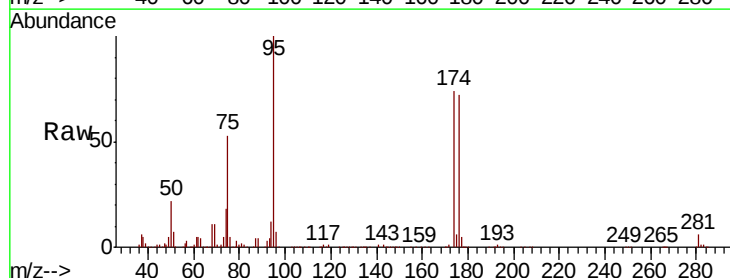
Tgt Ion: 75 Resp: 85746

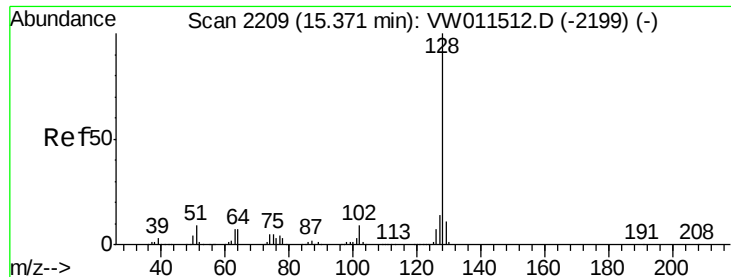
Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.0 35.3 52.9#

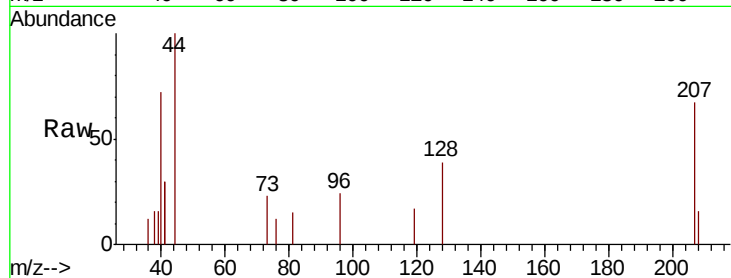




#95
Naphthalene
Concen: 2.113 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011648.D
Acq: 03 Aug 2019 04:44

Instrument :
MSVOA_W
ClientSampleId :
1S-E3-(0-1)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	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

