

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080419\
 Data File : VW011686.D
 Acq On : 04 Aug 2019 02:05
 Operator : SY/VA
 Sample : K4135-14
 Misc : 5.55G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-B3-(0-1)

Quant Time: Aug 05 01:05:56 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	193058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	304843	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	228374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	72976	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	108100	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
35) Dibromofluoromethane	7.88	113	90871	53.13	ug/l	0.00
Spiked Amount			Recovery	=	106.26%	
50) Toluene-d8	10.32	98	339568	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
62) 4-Bromofluorobenzene	12.62	95	89805	35.97	ug/l	0.00
Spiked Amount			Recovery	=	71.94%	

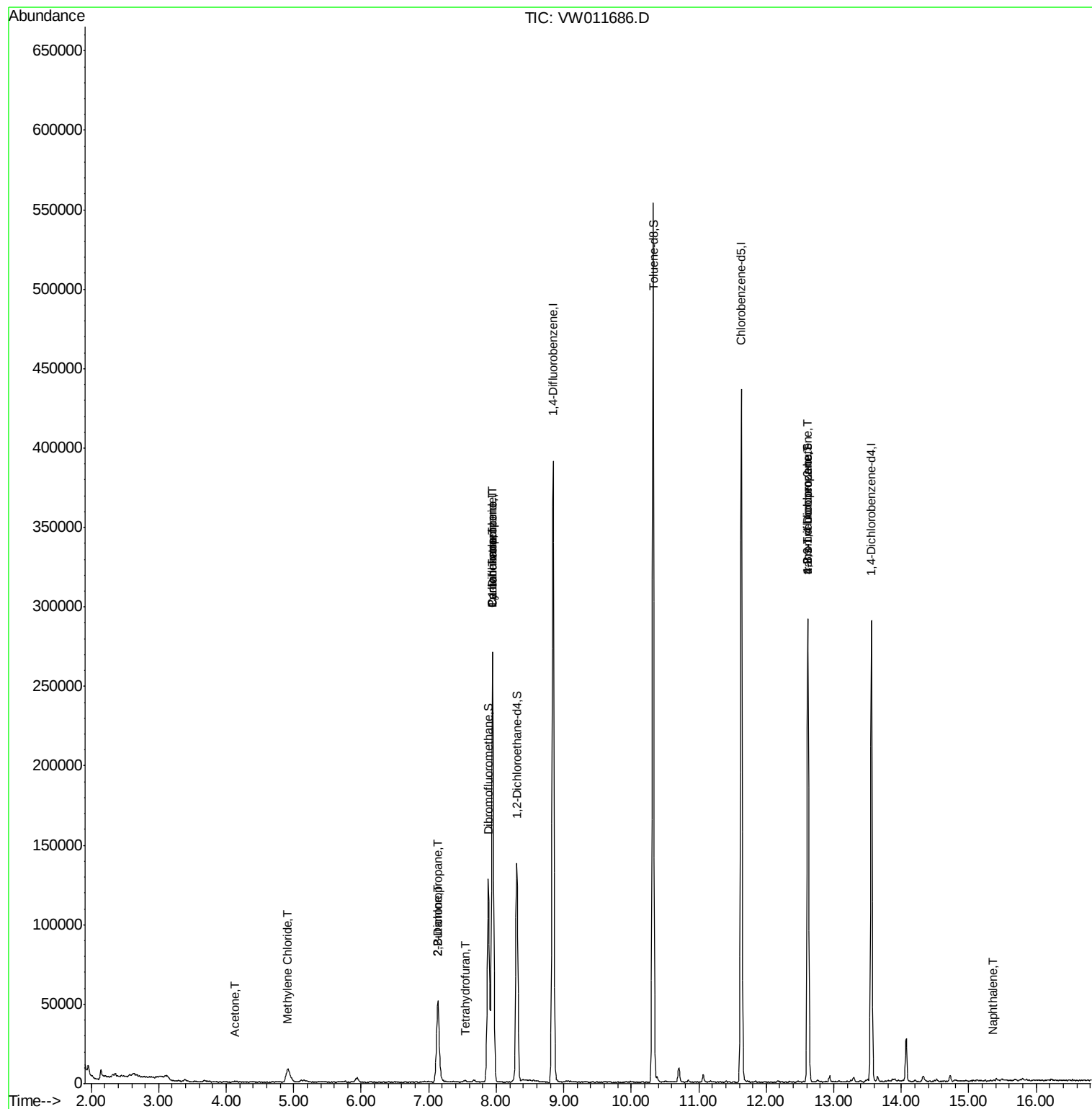
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.14	59	988	Below Cal		100
16) Acetone	4.12	43	1384	1.963	ug/l #	81
20) Methylene Chloride	4.91	84	6655	2.736	ug/l	96
25) 2-Butanone	7.13	43	3252	3.524	ug/l #	75
26) 2,2-Dichloropropane	7.13	77	3485	1.312	ug/l #	54
29) Tetrahydrofuran	7.53	42	1062	2.013	ug/l #	87
31) Cyclohexane	7.95	56	5110	1.233	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16758	5.287	ug/l #	52
38) Carbon Tetrachloride	7.95	117	19425	7.158	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	48186	62.403	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	48186	143.818	ug/l #	6
95) Naphthalene	15.36	128	383	2.193	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: VW011686.D

Acq: 04 Aug 2019 02:05

Instrument :

MSVOA_W

ClientSampleId :

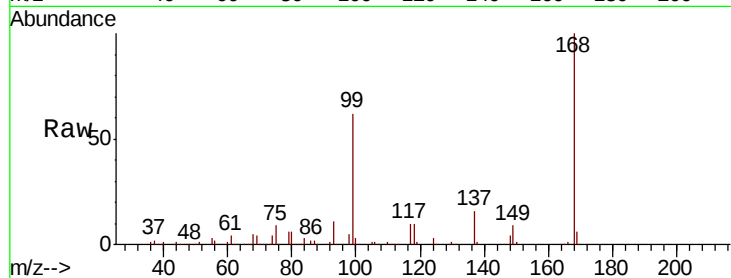
1S-B3-(0-1)

Tot Ion:168 Resp: 193058

Ion Ratio Lower Upper

168 100

99 62.4 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

100000

80000

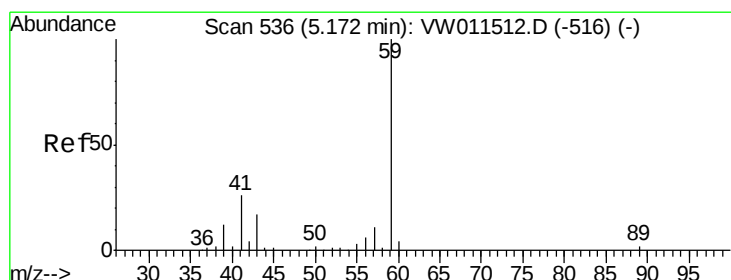
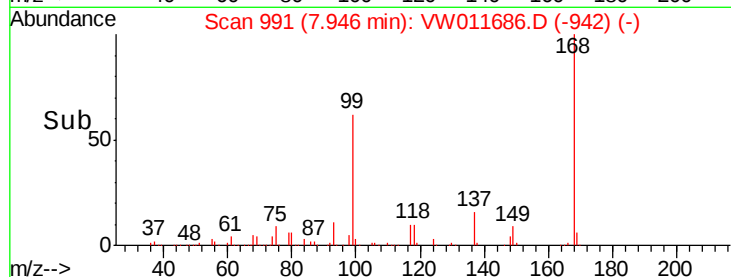
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.14 min Scan# 531

Delta R.T. -0.03 min

Lab File: VW011686.D

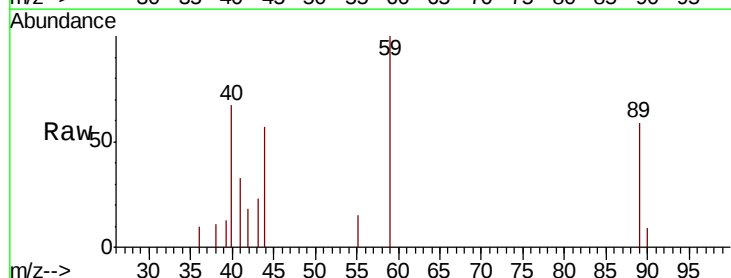
Acq: 04 Aug 2019 02:05

Tgt Ion: 59 Resp: 988

Ion Ratio Lower Upper

59 100

57 10.6 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.14

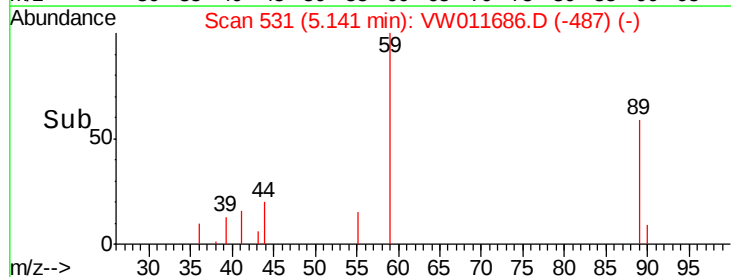
600

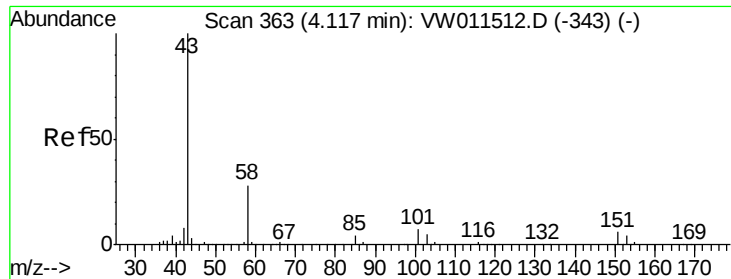
400

200

0

Time-->





#16

Acetone

Concen: 1.963 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011686.D

Acq: 04 Aug 2019 02:05

Instrument :

MSVOA_W

ClientSampleId :

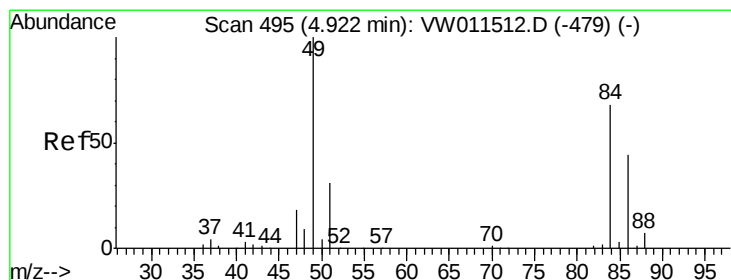
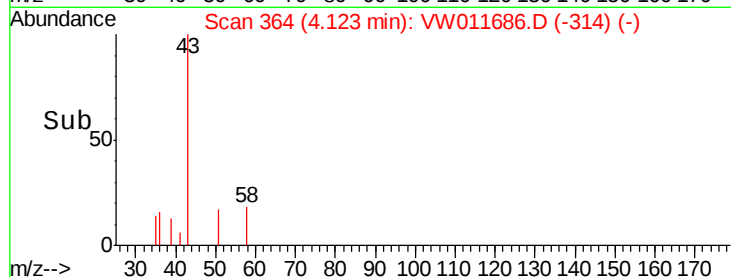
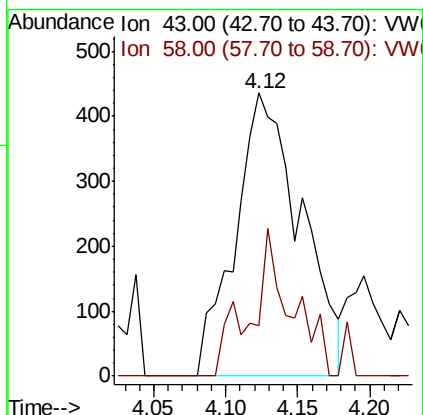
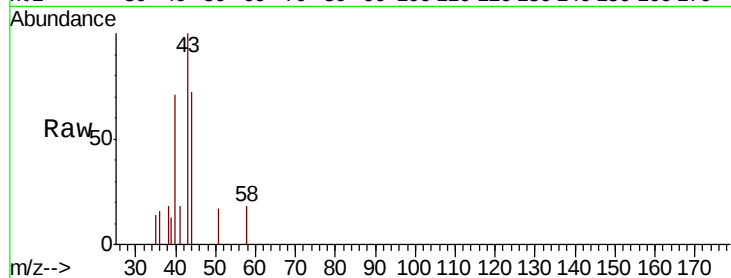
1S-B3-(0-1)

Tot Ion: 43 Resp: 1384

Ion Ratio Lower Upper

43 100

58 17.7 22.3 33.5#



#20

Methylene Chloride

Concen: 2.736 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011686.D

Acq: 04 Aug 2019 02:05

Tgt Ion: 84 Resp: 6655

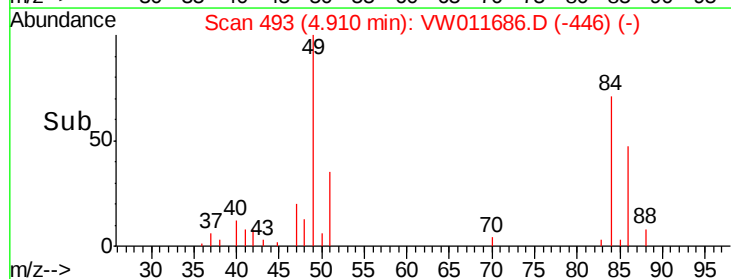
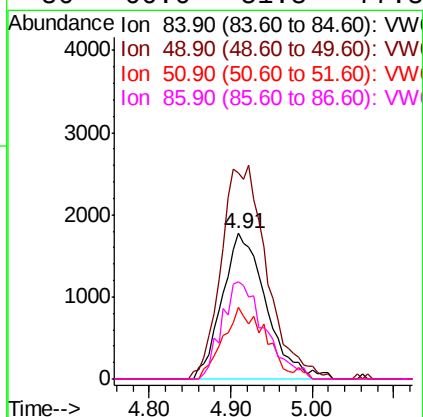
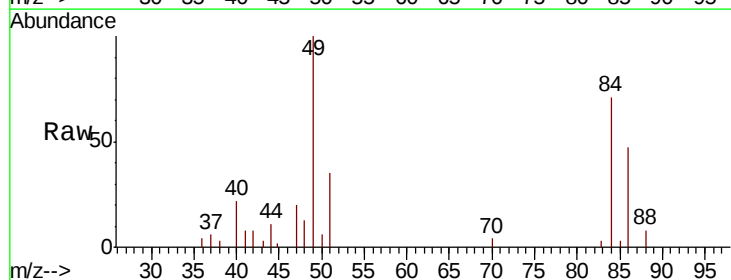
Ion Ratio Lower Upper

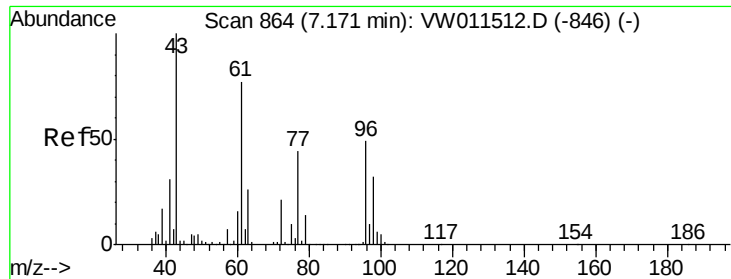
84 100

49 141.4 117.8 176.6

51 48.9 37.0 55.4

86 66.6 51.8 77.8





#25

2-Butanone

Concen: 3.524 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW011686.D

Acq: 04 Aug 2019 02:05

Instrument :

MSVOA_W

ClientSampleId :

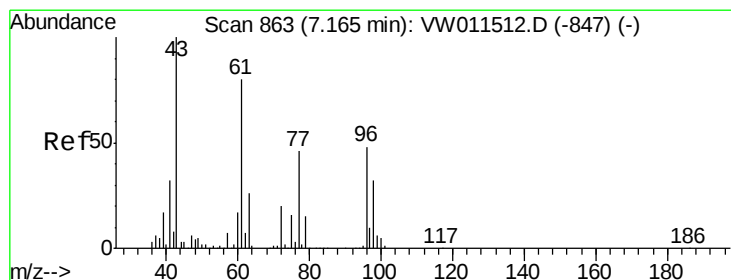
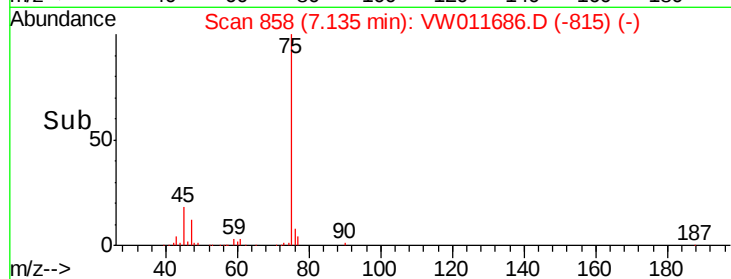
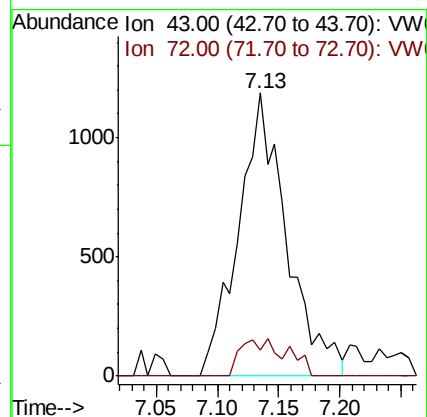
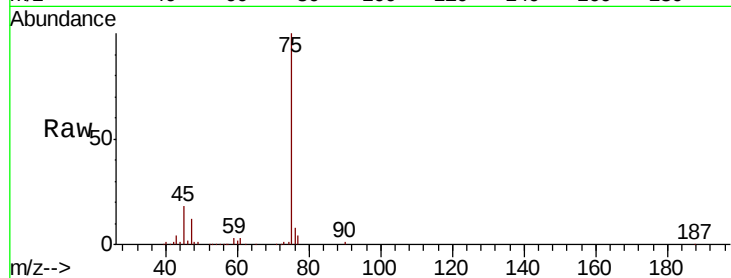
1S-B3-(0-1)

Tot Ion: 43 Resp: 3252

Ion Ratio Lower Upper

43 100

72 9.3 16.6 24.8#



#26

2,2-Dichloropropane

Concen: 1.312 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW011686.D

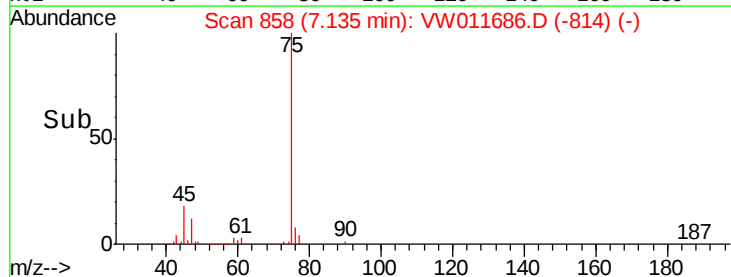
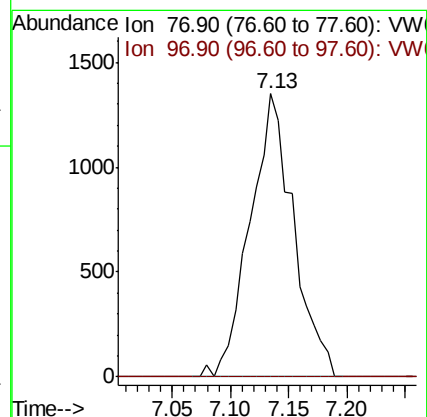
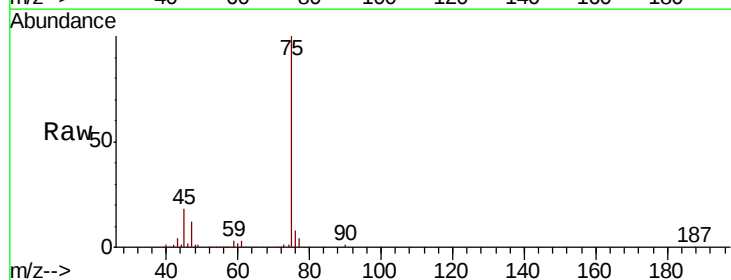
Acq: 04 Aug 2019 02:05

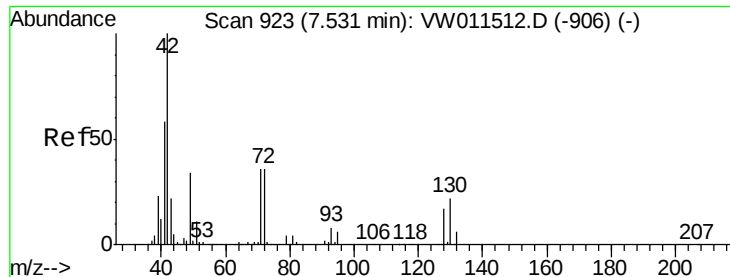
Tgt Ion: 77 Resp: 3485

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#





#29

Tetrahydrofuran

Concen: 2.013 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW011686.D

Acq: 04 Aug 2019 02:05

Instrument :

MSVOA_W

ClientSampleId :

1S-B3-(0-1)

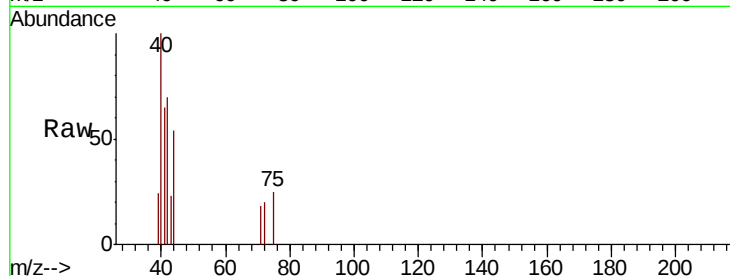
Tot Ion: 42 Resp: 1062

Ion Ratio Lower Upper

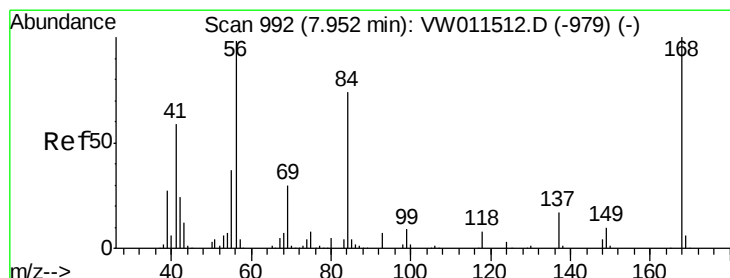
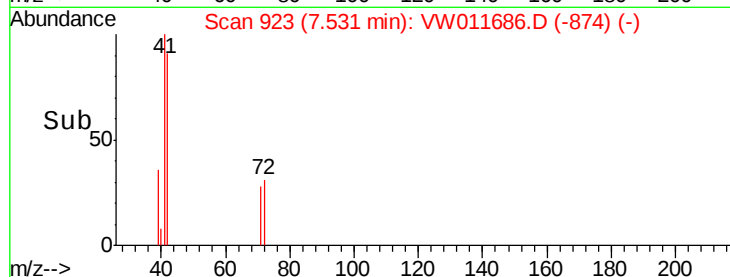
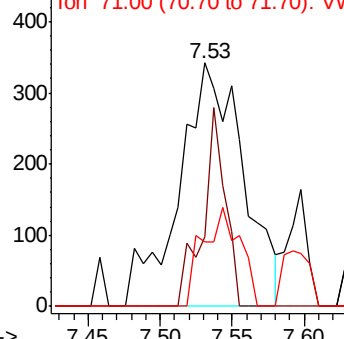
42 100

72 28.0 27.1 40.7

71 23.4 26.2 39.4#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.233 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011686.D

Acq: 04 Aug 2019 02:05

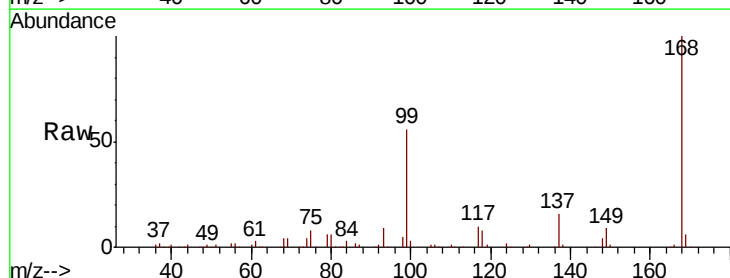
Tgt Ion: 56 Resp: 5110

Ion Ratio Lower Upper

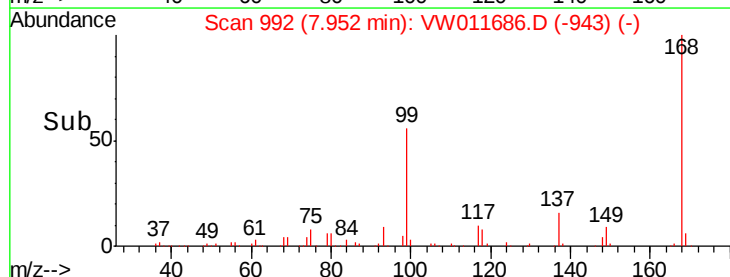
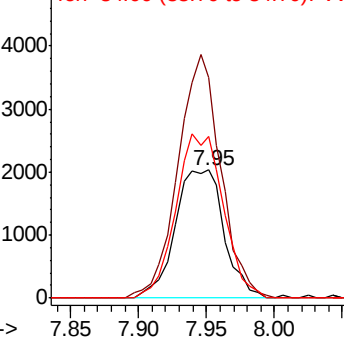
56 100

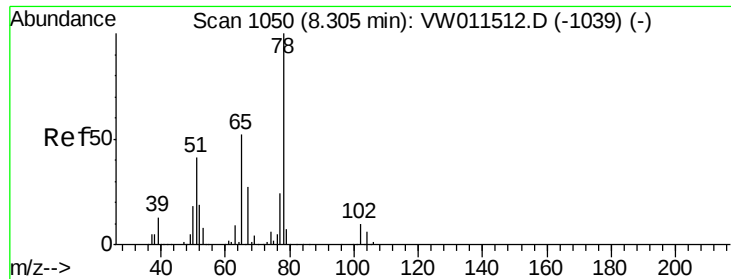
69 171.8 24.3 36.5#

84 126.4 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

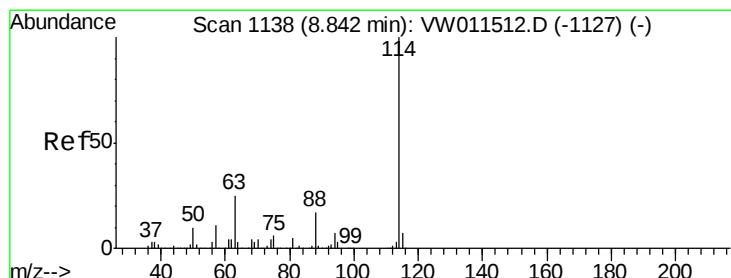
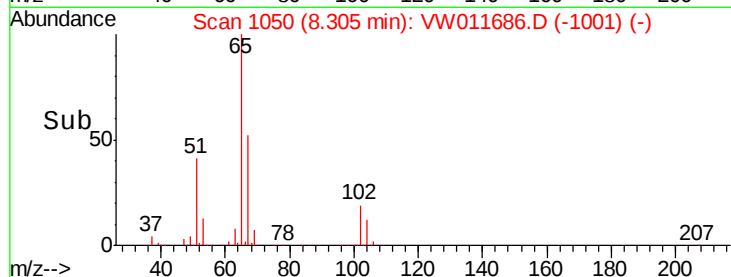
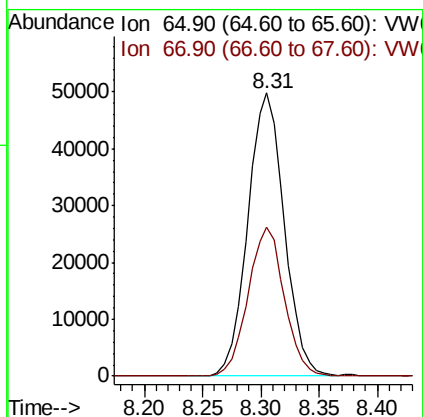
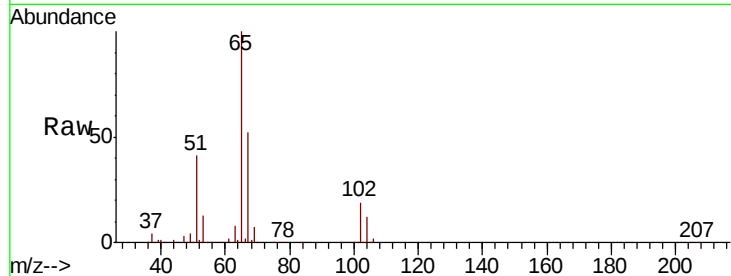




#33
 1,2-Dichloroethane-d4
 Concen: 48.763 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011686.D
 Acq: 04 Aug 2019 02:05

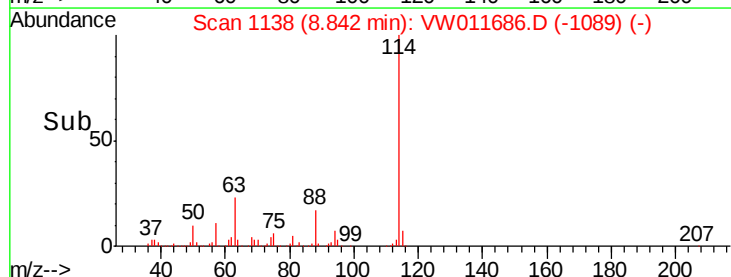
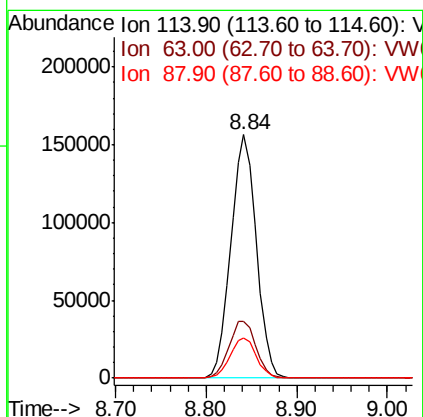
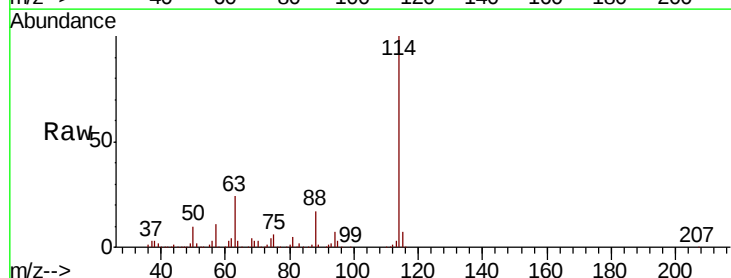
Instrument :
 MSVOA_W
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 1S-B3-(0-1)

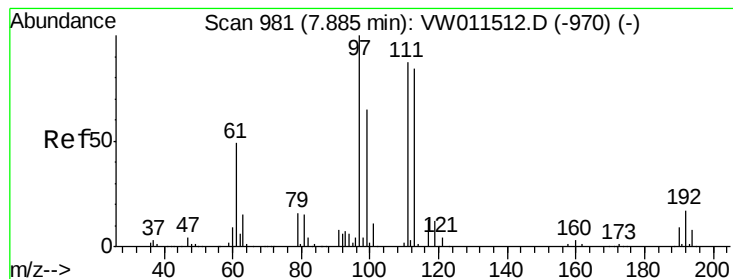
Tot Ion: 65 Resp: 108100
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011686.D
 Acq: 04 Aug 2019 02:05

Tgt Ion: 114 Resp: 304843
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 49.2
 88 16.6 0.0 33.8





#35

Dibromofluoromethane

Concen: 53.134 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011686.D

Acq: 04 Aug 2019 02:05

Instrument :

MSVOA_W

ClientSampleId :

1S-B3-(0-1)

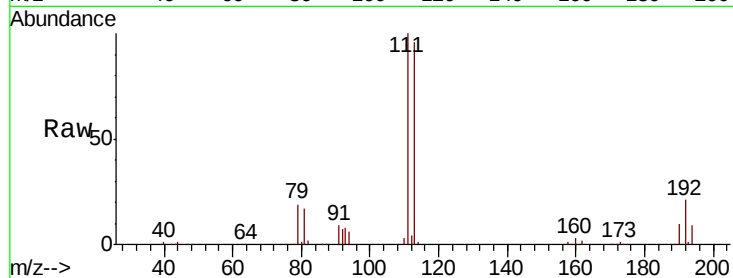
Tot Ion:113 Resp: 90871

Ion Ratio Lower Upper

113 100

111 102.5 82.7 124.1

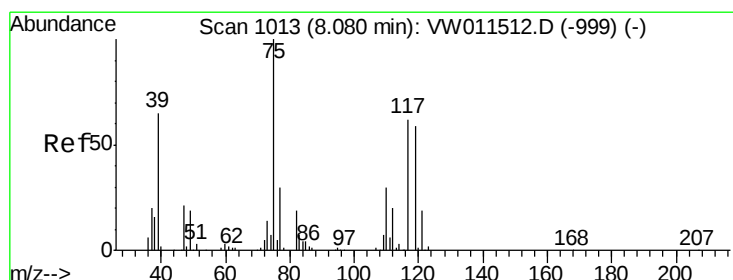
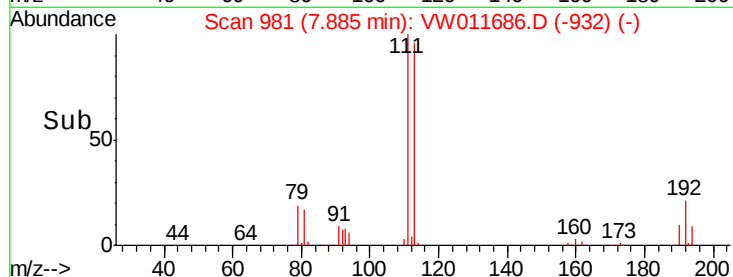
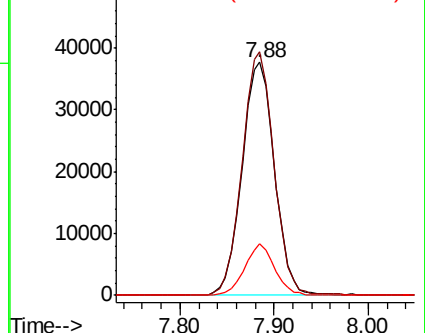
192 20.3 16.1 24.1



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: 5.287 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011686.D

Acq: 04 Aug 2019 02:05

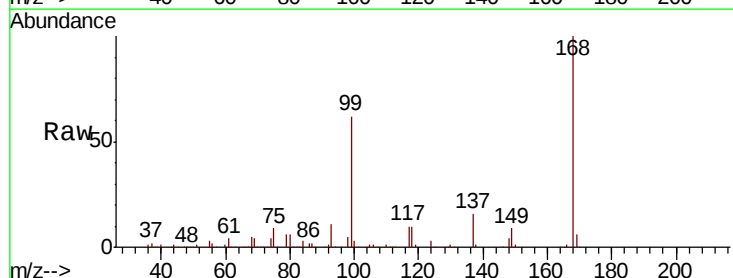
Tgt Ion: 75 Resp: 16758

Ion Ratio Lower Upper

75 100

110 9.0 15.6 46.8#

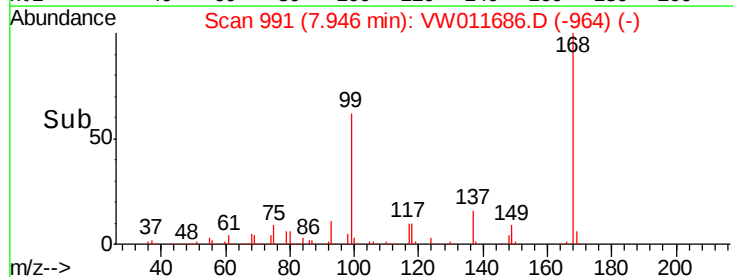
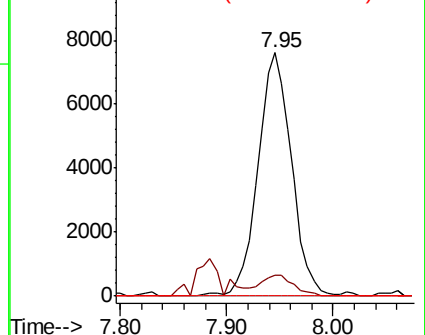
77 0.0 24.3 36.5#

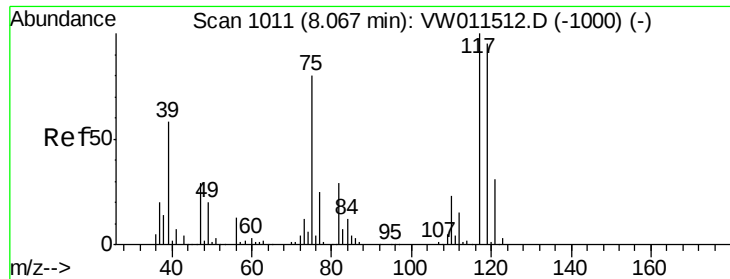


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

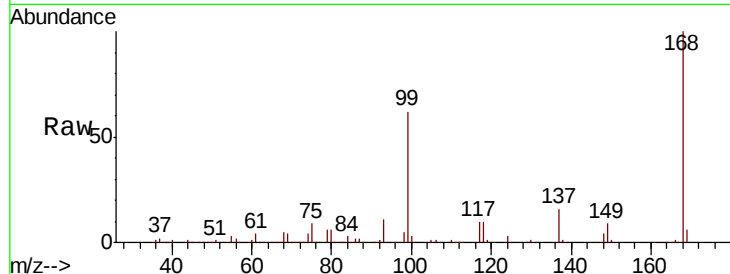




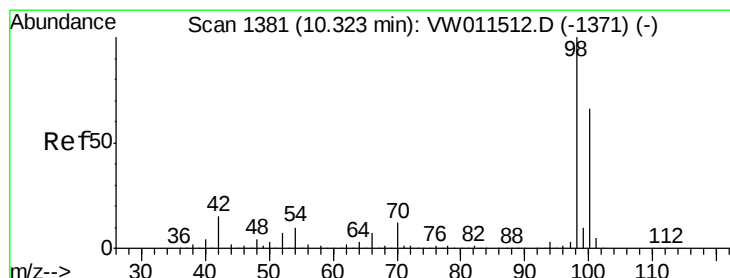
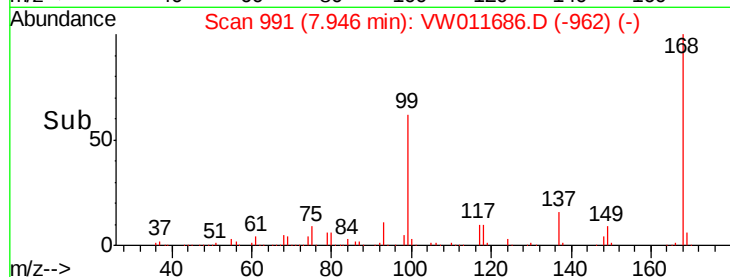
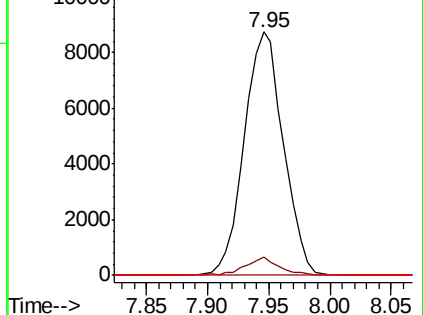
#38
Carbon Tetrachloride
Concen: 7.158 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011686.D
Acq: 04 Aug 2019 02:05

Instrument :
MSVOA_W
ClientSampleId :
1S-B3-(0-1)

Tot Ion:117 Resp: 19425
Ion Ratio Lower Upper
117 100
119 7.4 75.8 113.6#
121 0.0 24.7 37.1#

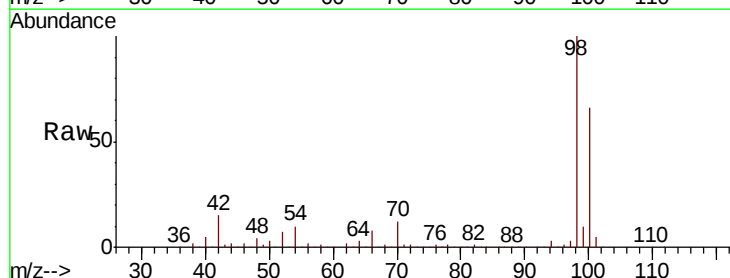


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

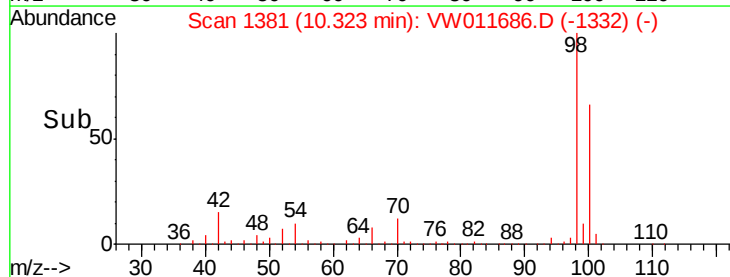
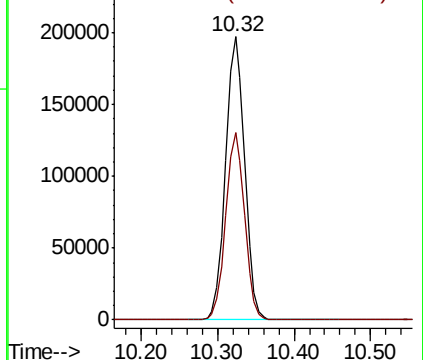


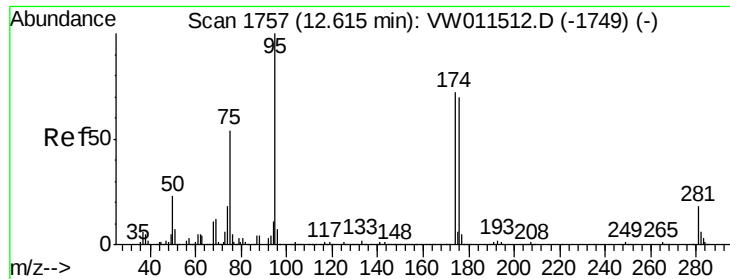
#50
Toluene-d8
Concen: 48.495 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011686.D
Acq: 04 Aug 2019 02:05

Tgt Ion: 98 Resp: 339568
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

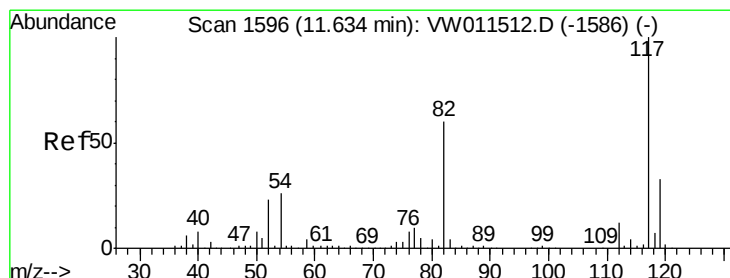
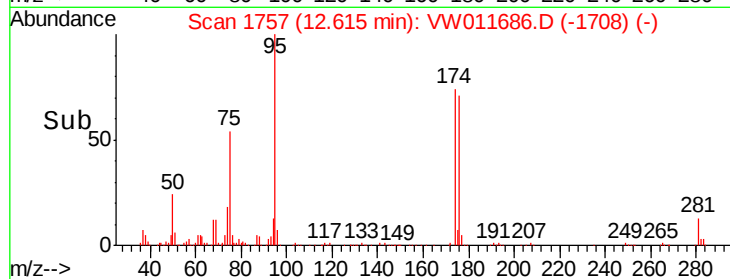
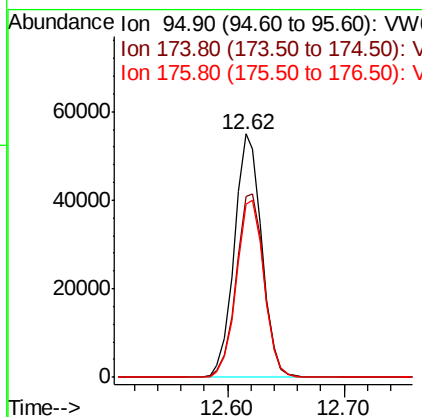
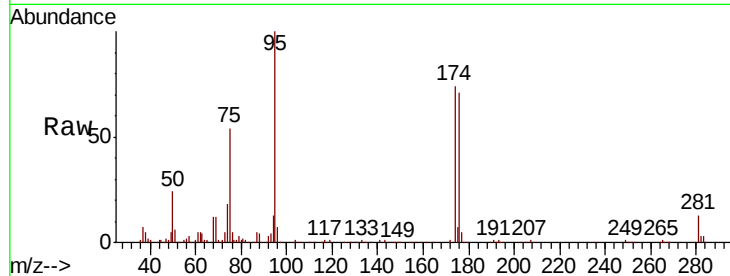




#62
4-Bromofluorobenzene
Concen: 35.974 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW011686.D
Acq: 04 Aug 2019 02:05

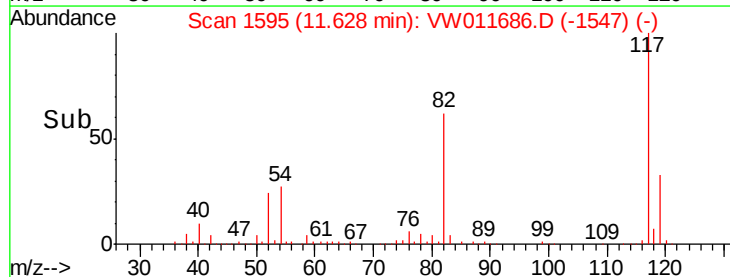
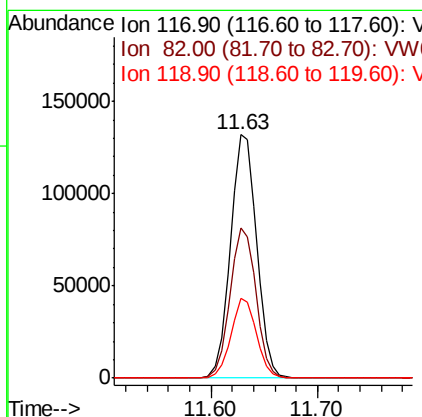
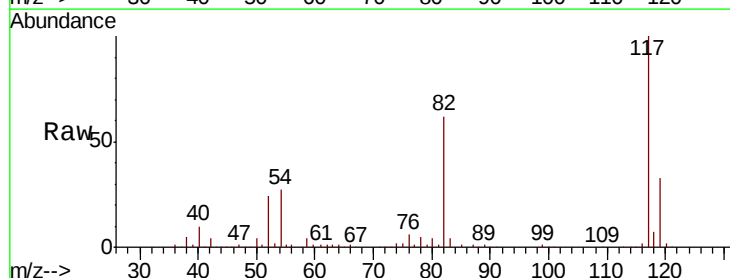
Instrument :
MSVOA_W
ClientSampled :
1S-B3-(0-1)

Tot Ion: 95 Resp: 89805
Ion Ratio Lower Upper
95 100
174 77.1 0.0 150.2
176 73.5 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011686.D
Acq: 04 Aug 2019 02:05

Tgt Ion: 117 Resp: 228374
Ion Ratio Lower Upper
117 100
82 61.9 47.9 71.9
119 32.8 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: VW011686.D

Acq: 04 Aug 2019 02:05

Instrument :

MSVOA_W

ClientSampled :

1S-B3-(0-1)

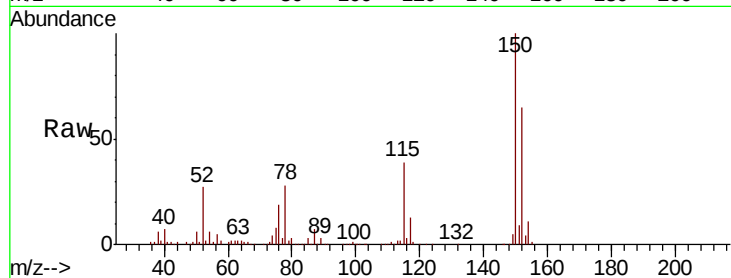
Tot Ion:152 Resp: 72976

Ion Ratio Lower Upper

152 100

115 61.2 30.5 91.5

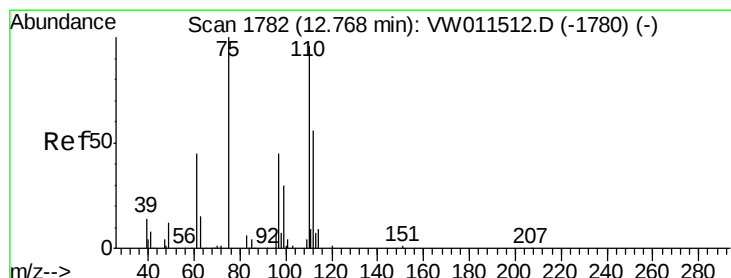
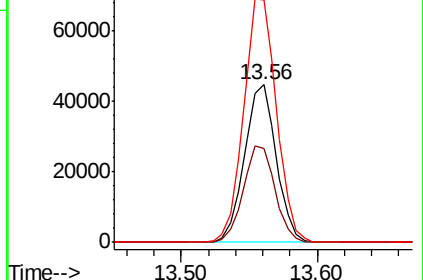
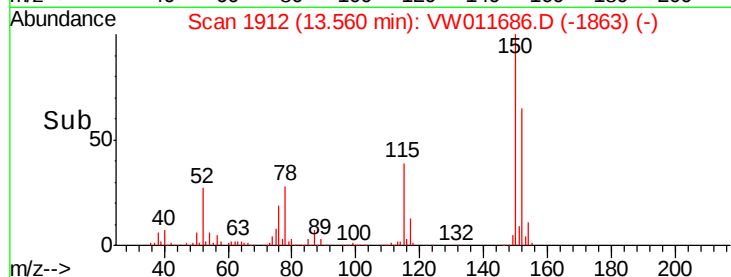
150 159.9 0.0 352.6



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: 62.403 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011686.D

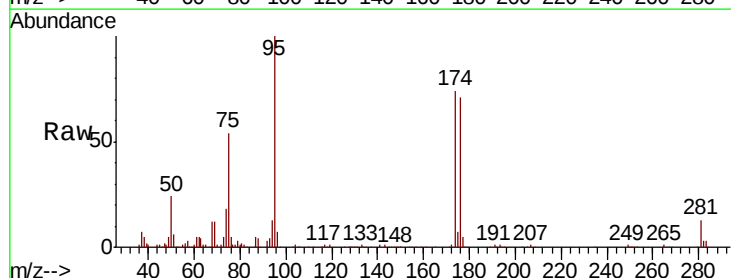
Acq: 04 Aug 2019 02:05

Tgt Ion: 75 Resp: 48186

Ion Ratio Lower Upper

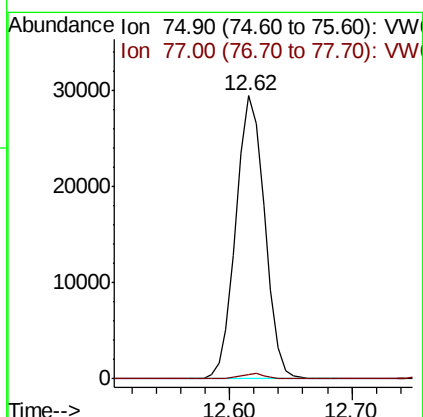
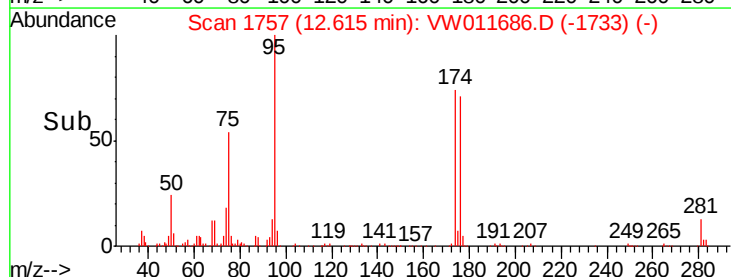
75 100

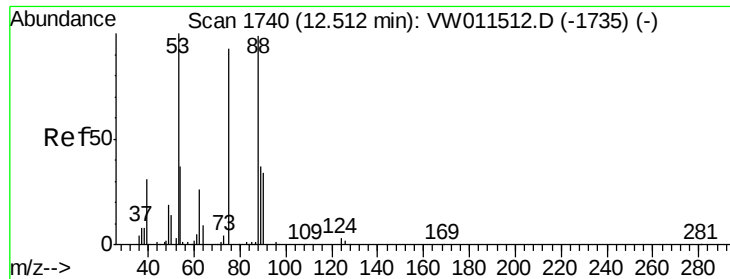
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

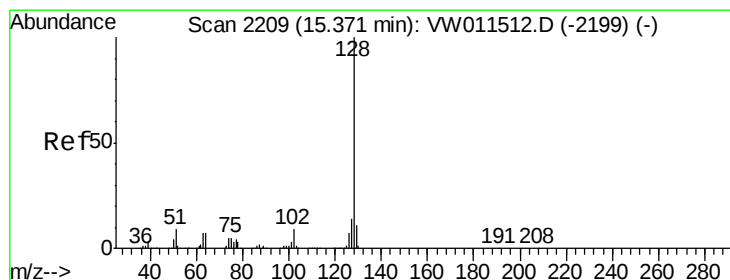
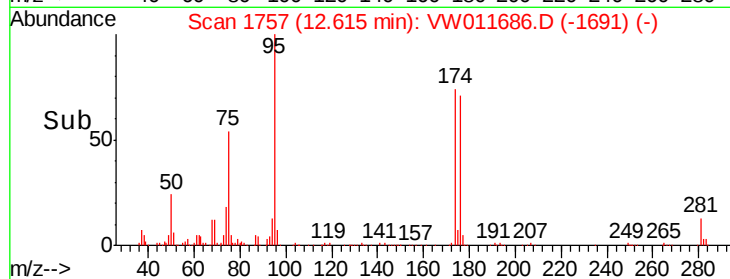
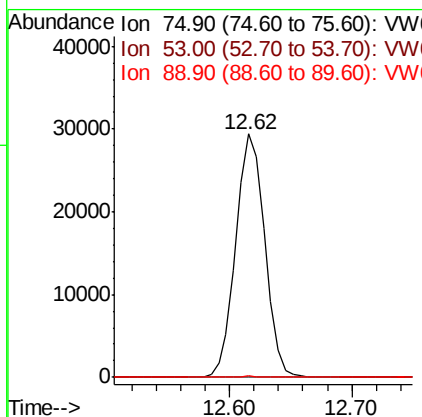
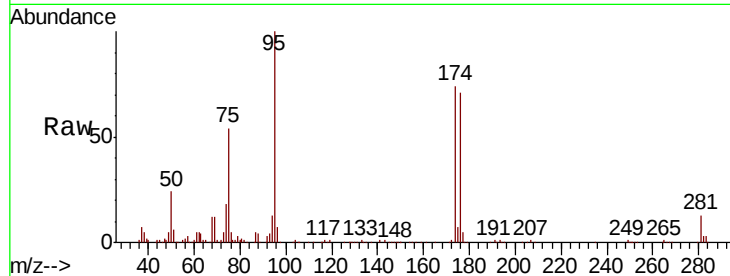




#81
trans-1,4-Dichloro-2-butene
Concen: 143.818 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW011686.D
Acq: 04 Aug 2019 02:05

Instrument :
MSVOA_W
ClientSampleId :
1S-B3-(0-1)

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.1	88.0	132.0#
89	0.2	35.3	52.9#



#95
Naphthalene
Concen: 2.193 ug/l
RT: 15.36 min Scan# 2207
Delta R.T. -0.01 min
Lab File: VW011686.D
Acq: 04 Aug 2019 02:05

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

