

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080319\
 Data File : VW011652.D
 Acq On : 03 Aug 2019 06:27
 Operator : SY/VA
 Sample : K4131-19
 Misc : 5.71G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-E3-(30)

Quant Time: Aug 04 00:10:20 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	226432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	383863	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	313100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	117511	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	149647	57.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	115.10%	
35) Dibromofluoromethane	7.88	113	119146	55.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.66%	
50) Toluene-d8	10.32	98	471018	53.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.84%	
62) 4-Bromofluorobenzene	12.62	95	142479	45.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.64%	

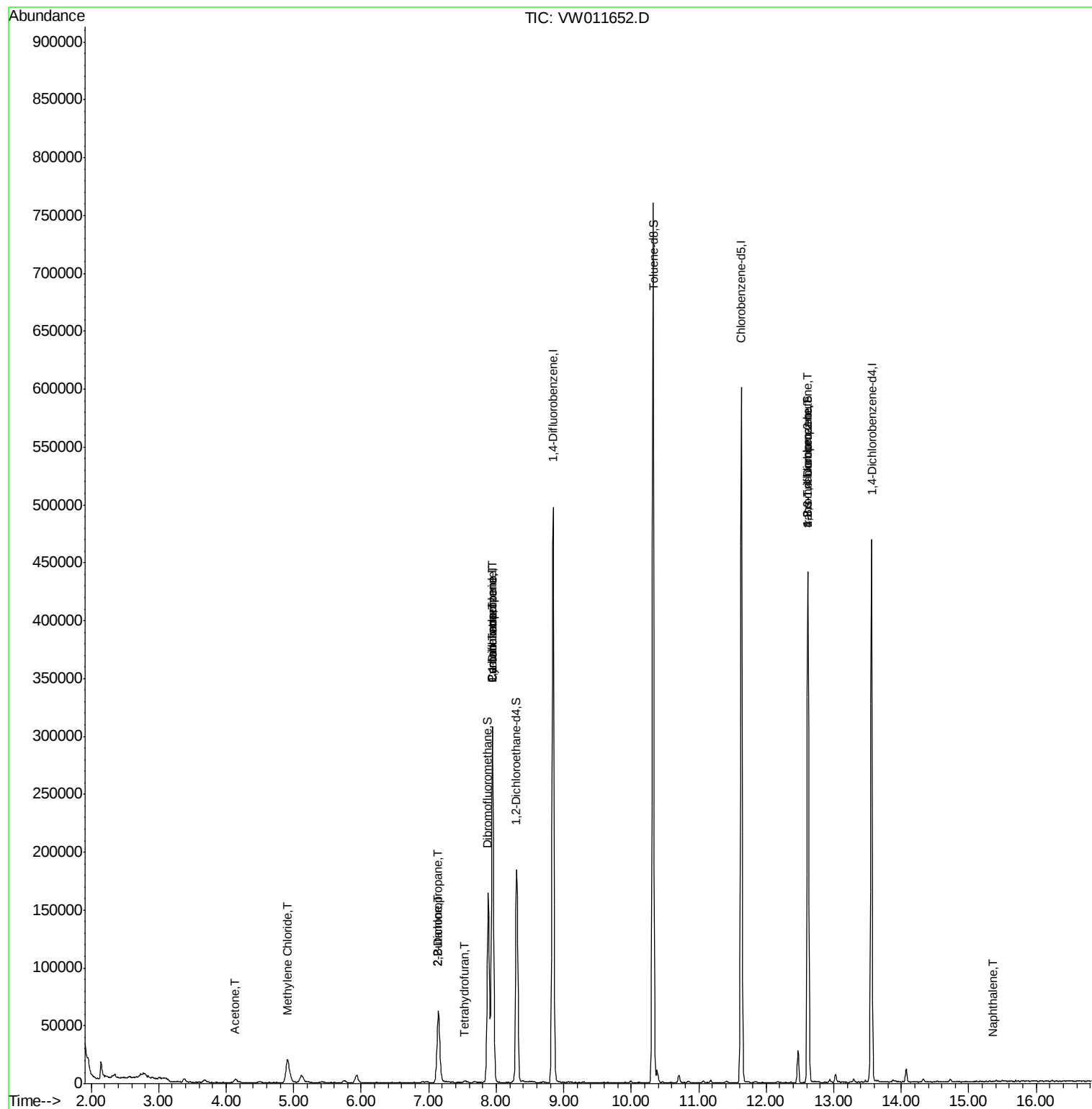
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	880	Below Cal	#	86
16) Acetone	4.14	43	6090	7.363	ug/l	98
20) Methylene Chloride	4.90	84	15198	5.328	ug/l	94
25) 2-Butanone	7.15	43	4087	3.776	ug/l #	83
26) 2,2-Dichloropropane	7.15	77	4670	1.499	ug/l #	54
29) Tetrahydrofuran	7.53	42	1162	1.878	ug/l #	80
31) Cyclohexane	7.94	56	5478	1.127	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20663	5.177	ug/l #	51
38) Carbon Tetrachloride	7.95	117	23133	6.770	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	76655	61.649	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76655	142.081	ug/l #	6
95) Naphthalene	15.36	128	134	2.094	ug/l #	69

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

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Quant Time: Aug 04 00:10:20 2019
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: VW011652.D

Acq: 03 Aug 2019 06:27

Instrument :

MSVOA_W

ClientSampleId :

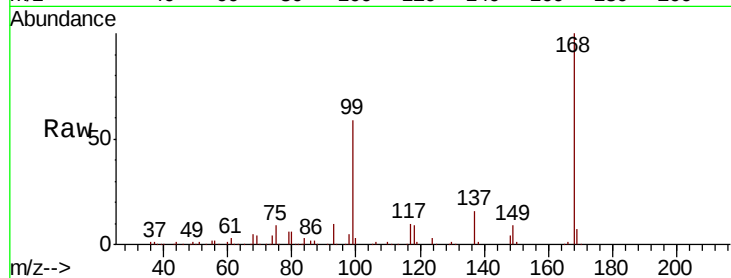
1S-E3-(30)

Tgt Ion:168 Resp: 226432

Ion Ratio Lower Upper

168 100

99 58.5 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

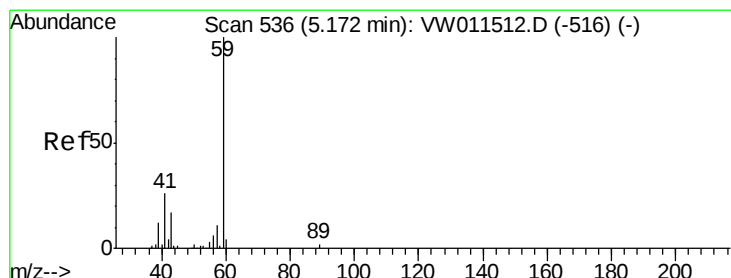
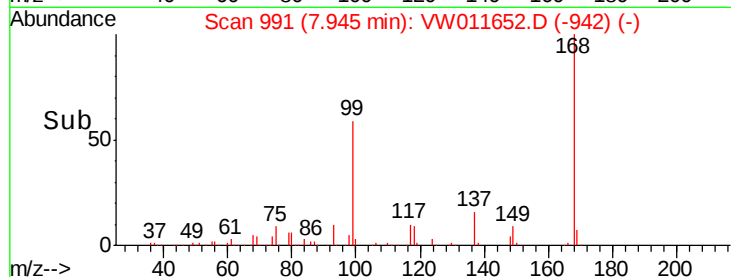
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 542

Delta R.T. 0.04 min

Lab File: VW011652.D

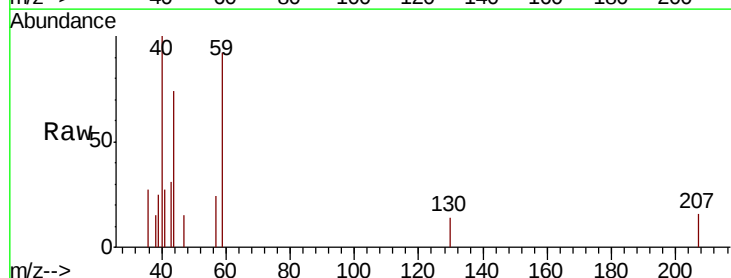
Acq: 03 Aug 2019 06:27

Tgt Ion: 59 Resp: 880

Ion Ratio Lower Upper

59 100

57 16.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

600

500

400

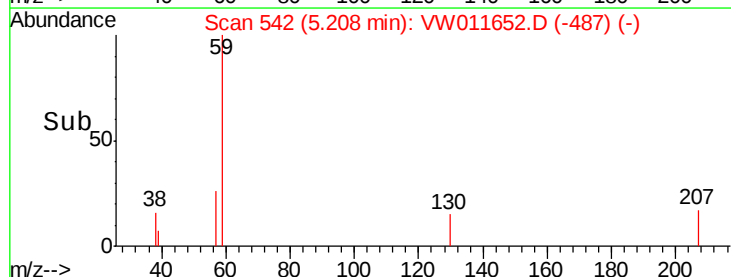
300

200

100

0

Time-->





#16

Acetone

Concen: 7.363 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011652.D

Acq: 03 Aug 2019 06:27

Instrument :

MSVOA_W

ClientSampleId :

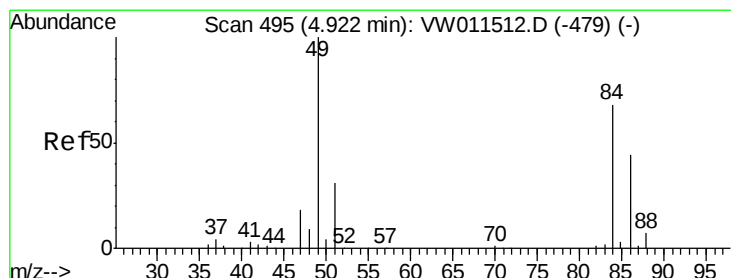
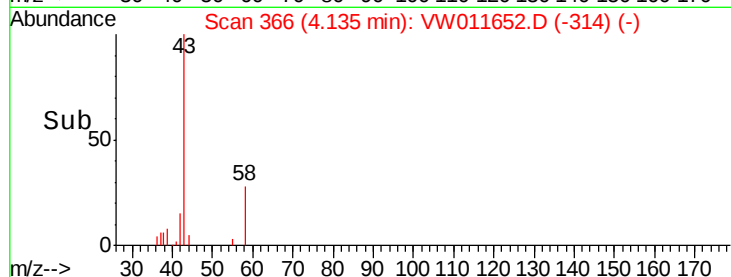
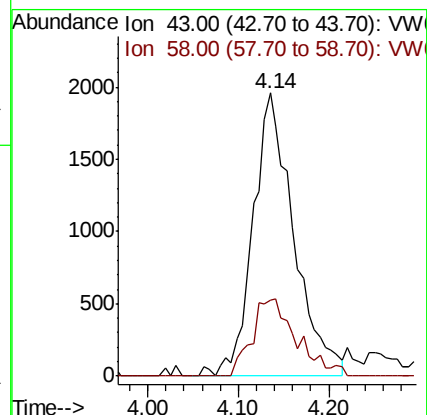
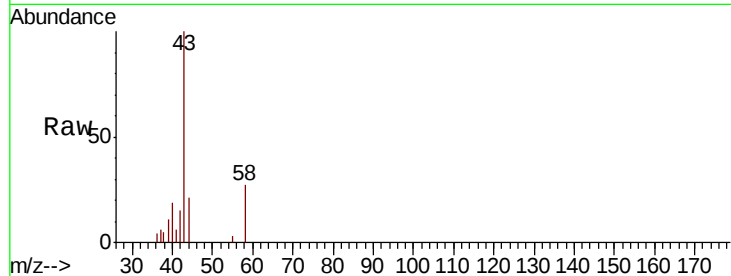
1S-E3-(30)

Tgt Ion: 43 Resp: 6090

Ion Ratio Lower Upper

43 100

58 27.0 22.3 33.5



#20

Methylene Chloride

Concen: 5.328 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW011652.D

Acq: 03 Aug 2019 06:27

Tgt Ion: 84 Resp: 15198

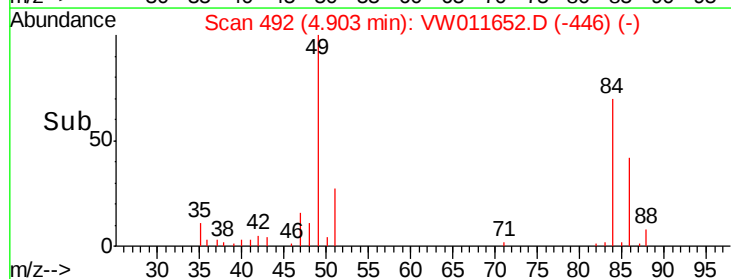
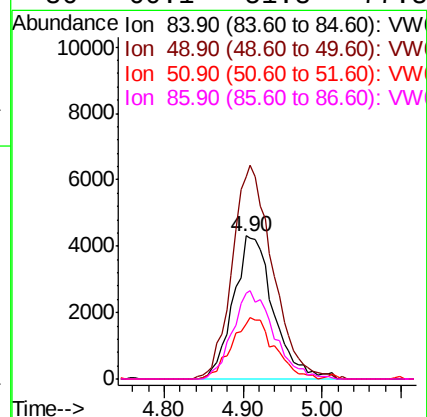
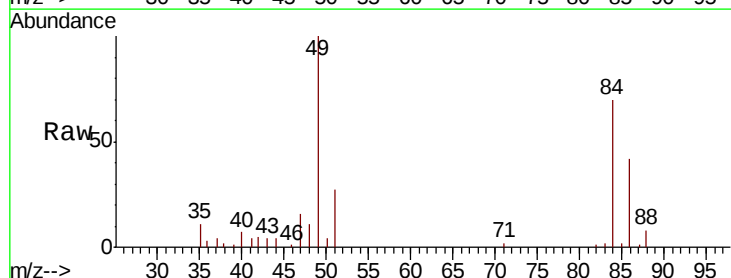
Ion Ratio Lower Upper

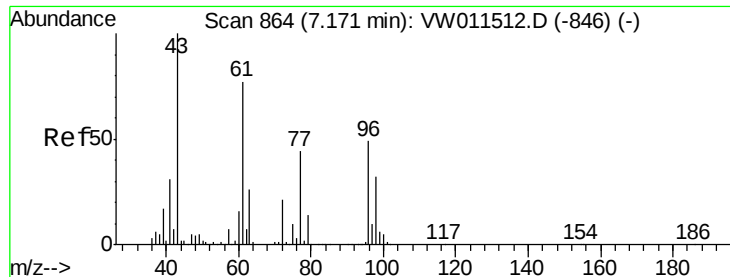
84 100

49 142.1 117.8 176.6

51 38.6 37.0 55.4

86 60.1 51.8 77.8





#25

2-Butanone

Concen: 3.776 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011652.D

Acq: 03 Aug 2019 06:27

Instrument :

MSVOA_W

ClientSampleId :

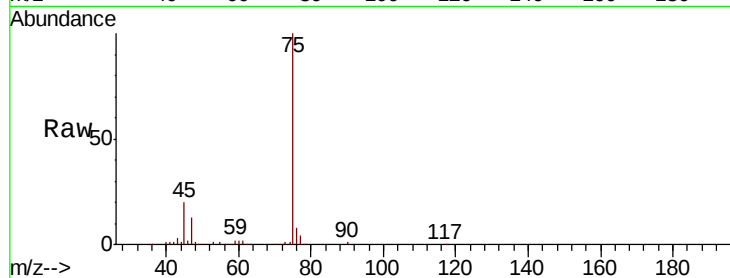
1S-E3-(30)

Tgt Ion: 43 Resp: 4087

Ion Ratio Lower Upper

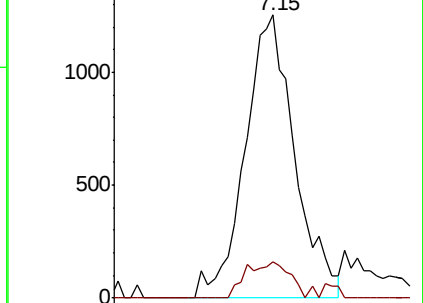
43 100

72 12.8 16.6 24.8#

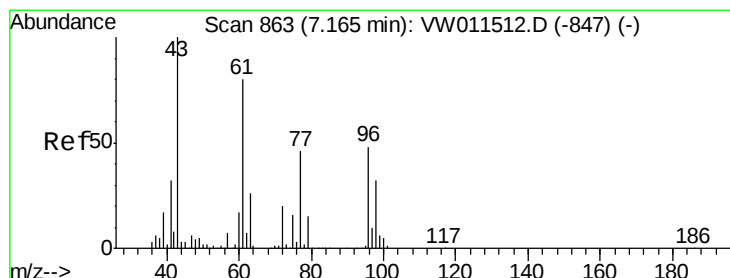
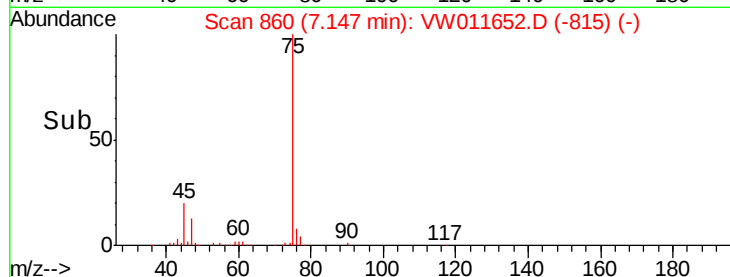


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#26

2,2-Dichloropropane

Concen: 1.499 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011652.D

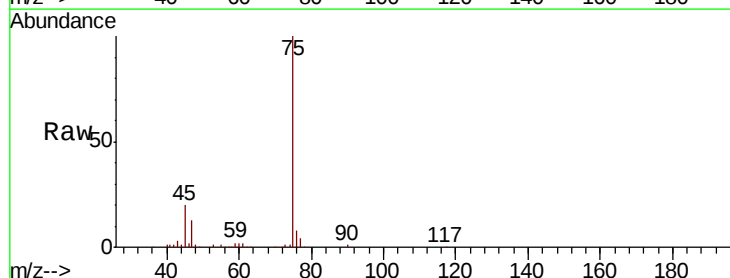
Acq: 03 Aug 2019 06:27

Tgt Ion: 77 Resp: 4670

Ion Ratio Lower Upper

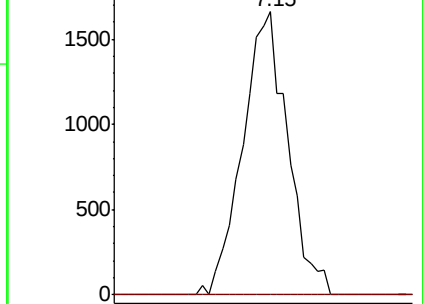
77 100

97 0.0 10.8 32.4#

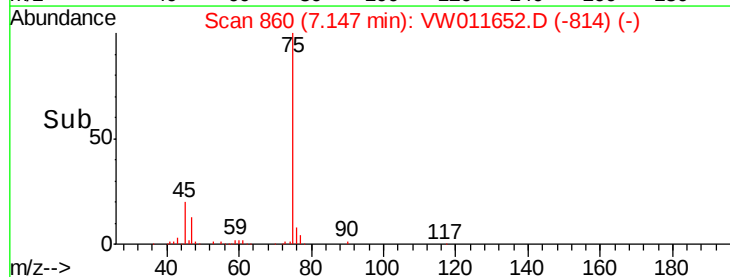


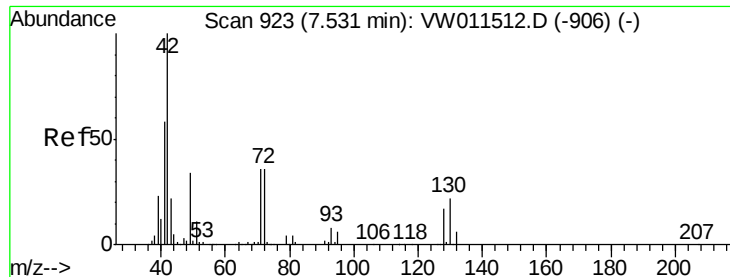
Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



Time-->

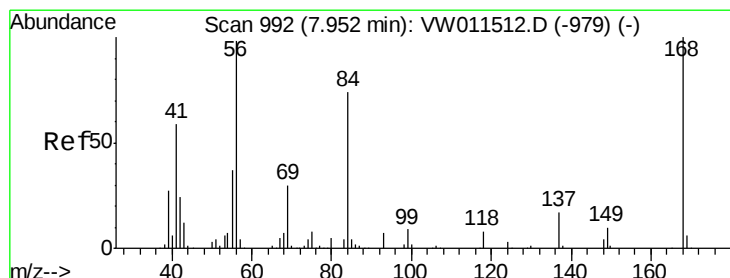
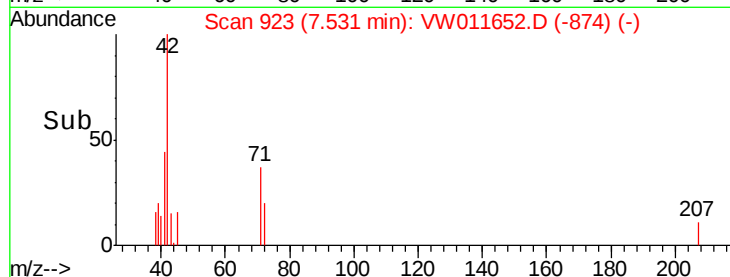
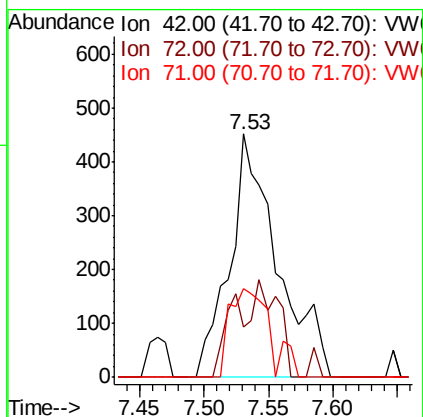
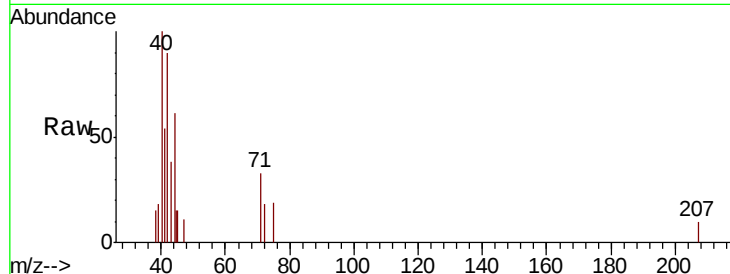




#29
Tetrahydrofuran
Concen: 1.878 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011652.D
Acq: 03 Aug 2019 06:27

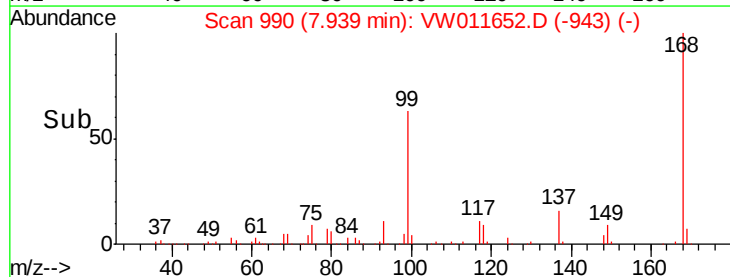
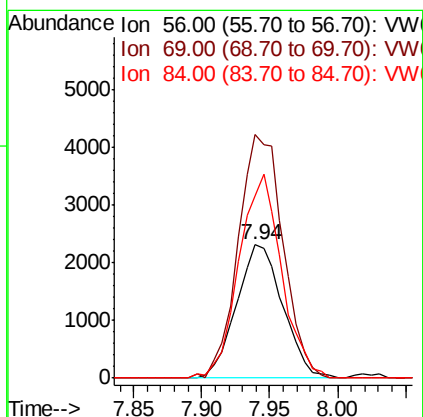
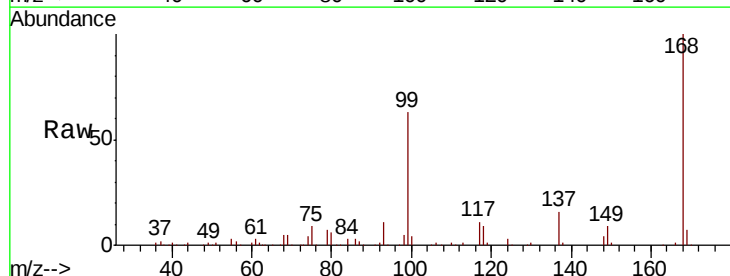
Instrument :
MSVOA_W
ClientSampleId :
1S-E3-(30)

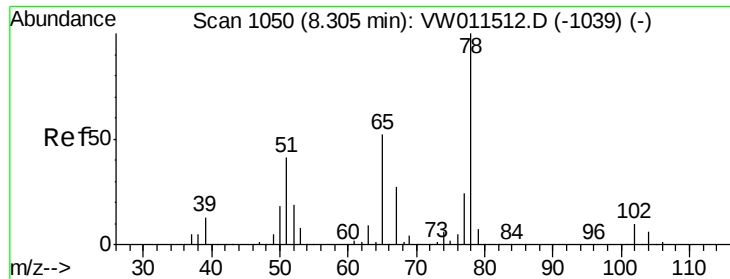
Tgt Ion: 42 Resp: 1162
Ion Ratio Lower Upper
42 100
72 13.6 27.1 40.7#
71 30.9 26.2 39.4



#31
Cyclohexane
Concen: 1.127 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011652.D
Acq: 03 Aug 2019 06:27

Tgt Ion: 56 Resp: 5478
Ion Ratio Lower Upper
56 100
69 182.4 24.3 36.5#
84 136.2 60.4 90.6#

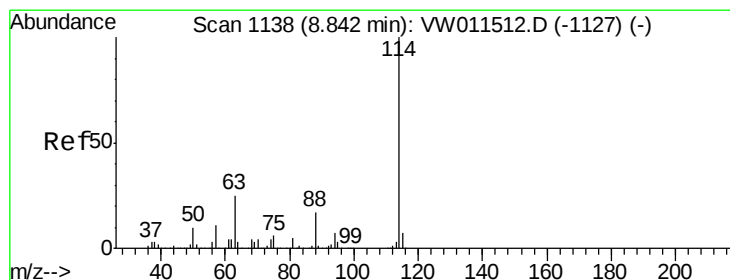
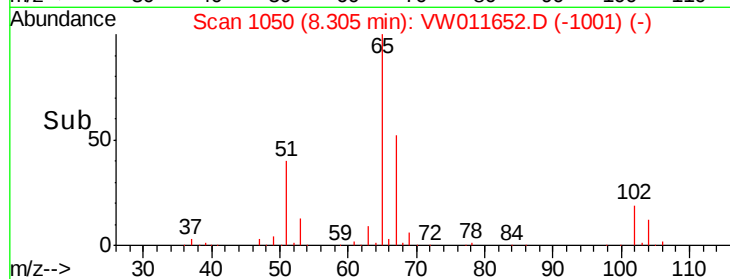
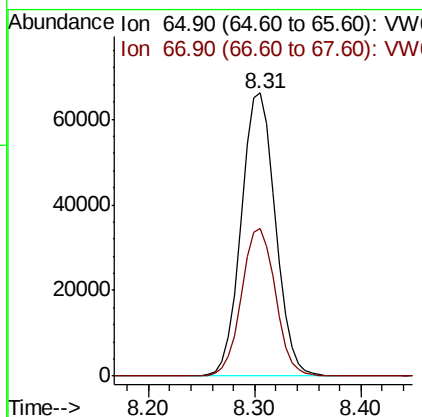
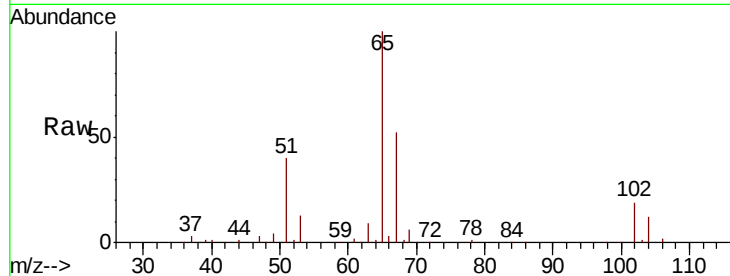




#33
 1,2-Dichloroethane-d4
 Concen: 57.555 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011652.D
 Acq: 03 Aug 2019 06:27

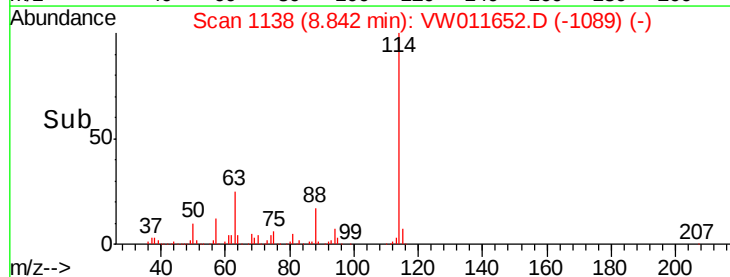
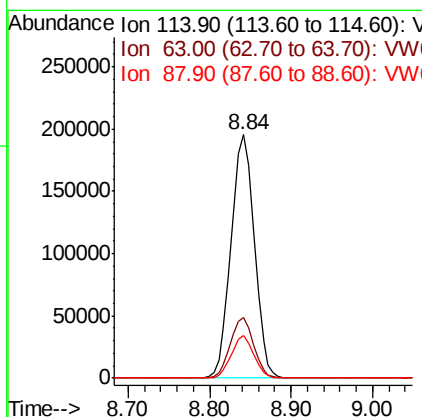
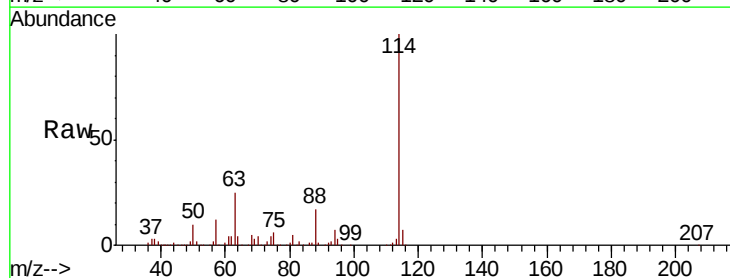
Instrument :
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 ClientSampleId :
 1S-E3-(30)

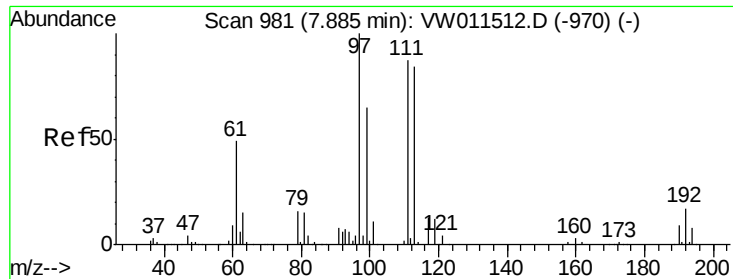
Tgt Ion: 65 Resp: 149647
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011652.D
 Acq: 03 Aug 2019 06:27

Tgt Ion: 114 Resp: 383863
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 49.2
 88 17.3 0.0 33.8

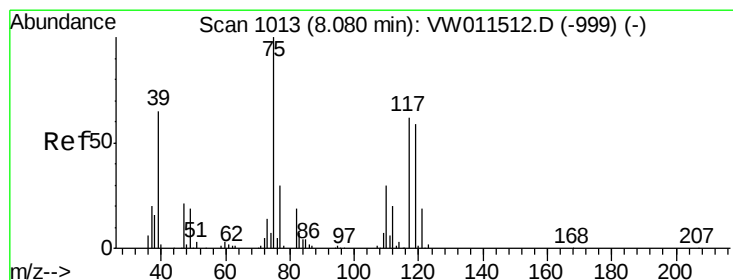
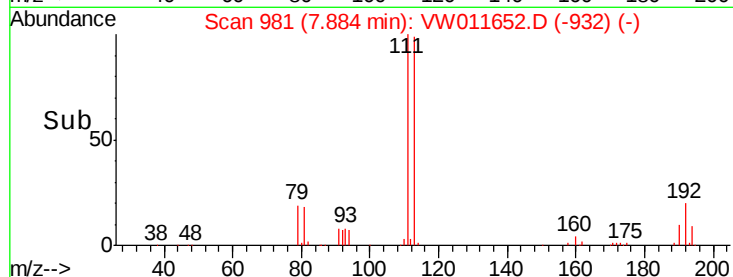
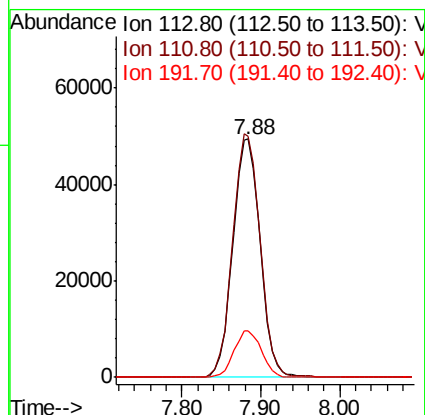
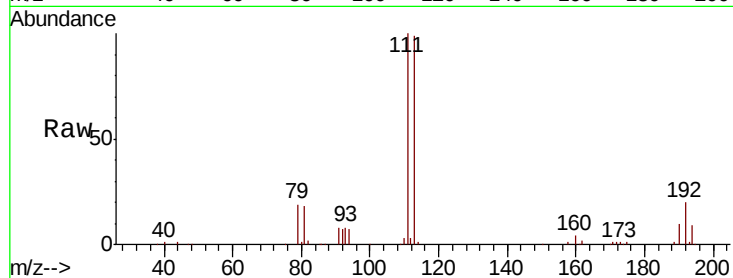




#35
 Dibromofluoromethane
 Concen: 55.326 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011652.D
 Acq: 03 Aug 2019 06:27

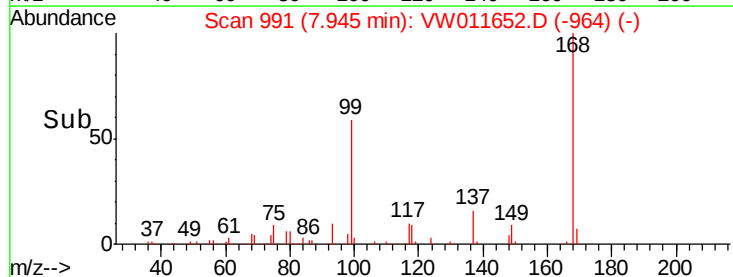
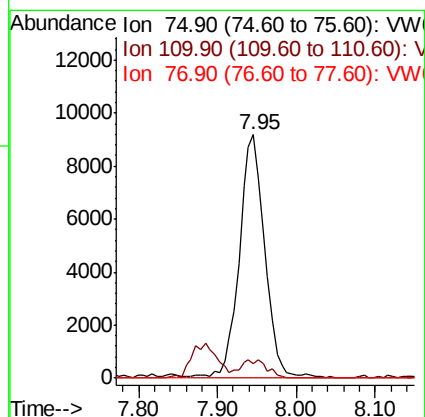
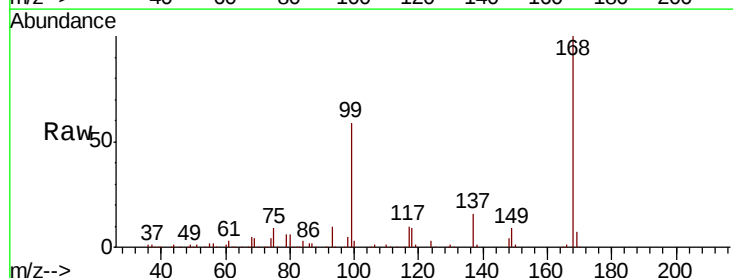
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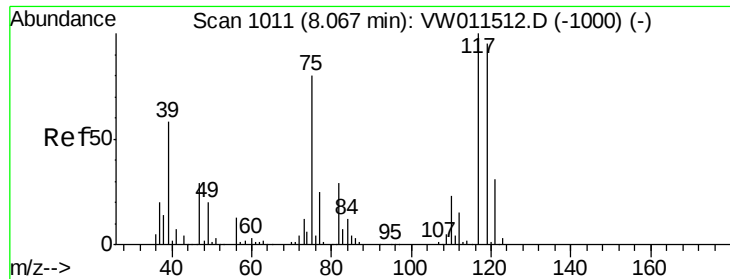
Tgt Ion:113 Resp: 119146
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.7 124.1
 192 19.6 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 5.177 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011652.D
 Acq: 03 Aug 2019 06:27

Tgt Ion: 75 Resp: 20663
 Ion Ratio Lower Upper
 75 100
 110 8.0 15.6 46.8#
 77 0.0 24.3 36.5#

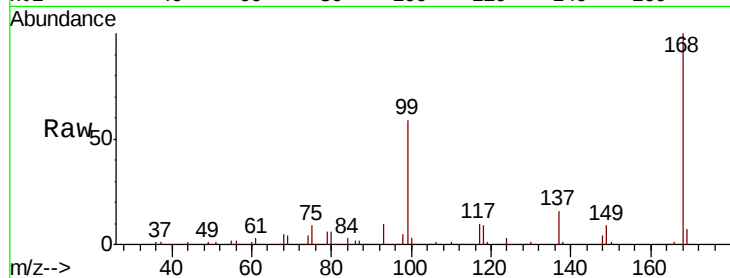




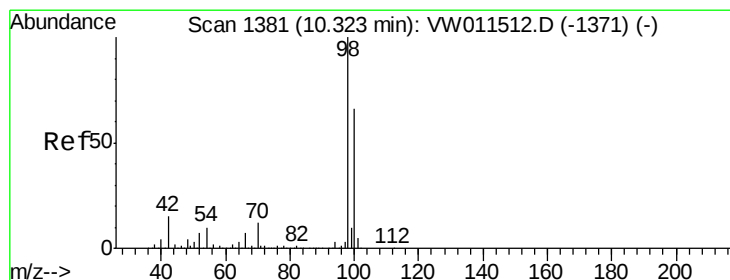
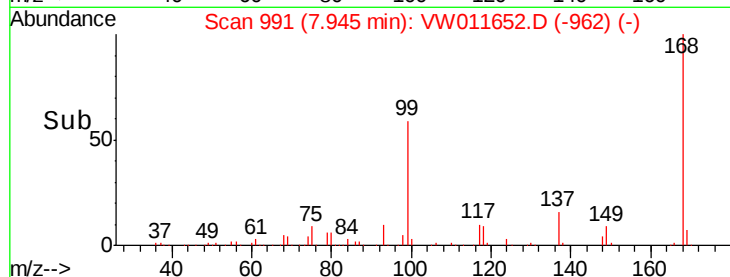
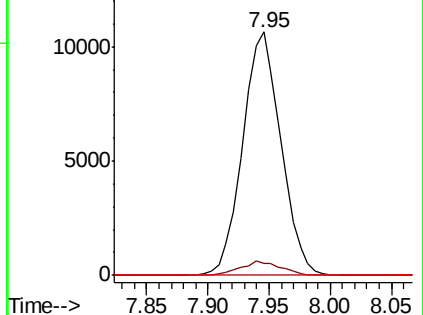
#38
Carbon Tetrachloride
Concen: 6.770 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011652.D
Acq: 03 Aug 2019 06:27

Instrument :
MSVOA_W
ClientSampleId :
1S-E3-(30)

Tgt Ion:117 Resp: 23133
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.6#
121 0.0 24.7 37.1#

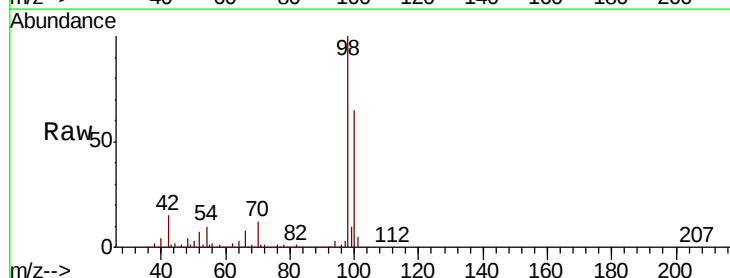


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

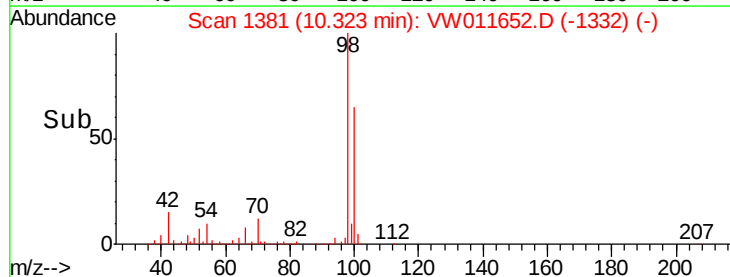
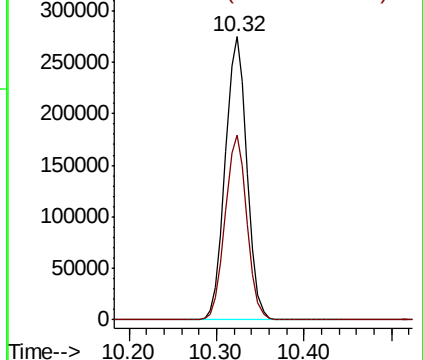


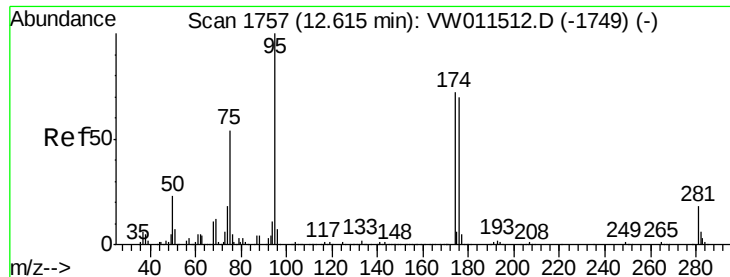
#50
Toluene-d8
Concen: 53.420 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011652.D
Acq: 03 Aug 2019 06:27

Tgt Ion: 98 Resp: 471018
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: 45.325 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011652.D

Acq: 03 Aug 2019 06:27

Instrument :

MSVOA_W

ClientSampleId :

1S-E3-(30)

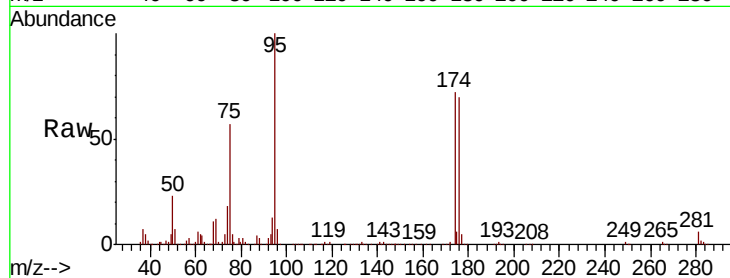
Tgt Ion: 95 Resp: 142479

Ion Ratio Lower Upper

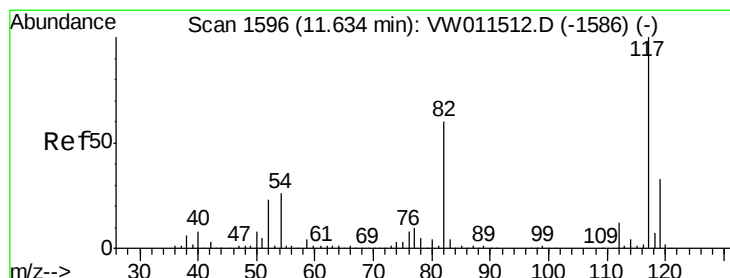
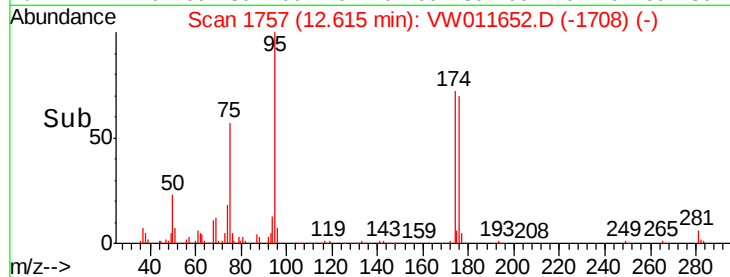
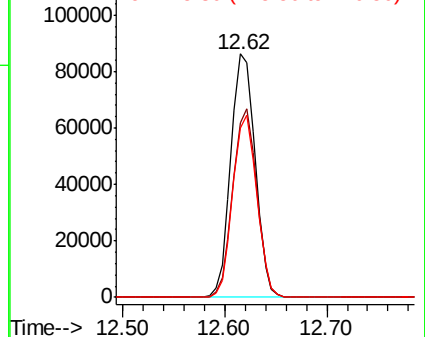
95 100

174 76.1 0.0 150.2

176 73.6 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: VW011652.D

Acq: 03 Aug 2019 06:27

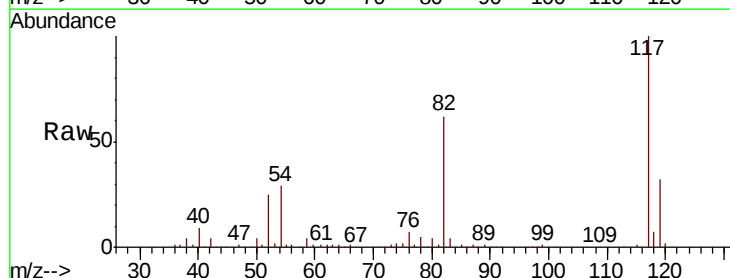
Tgt Ion: 117 Resp: 313100

Ion Ratio Lower Upper

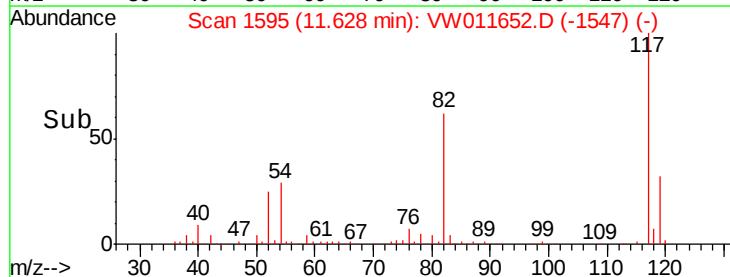
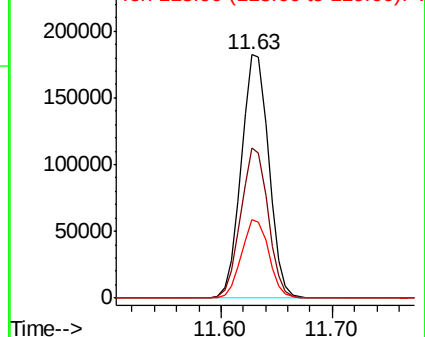
117 100

82 61.6 47.9 71.9

119 32.1 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



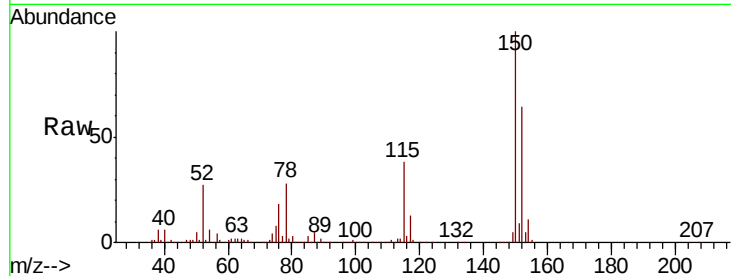


#72

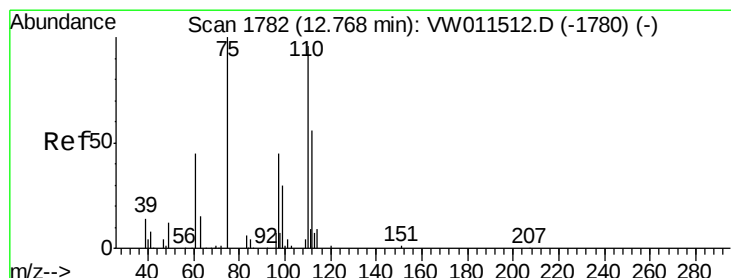
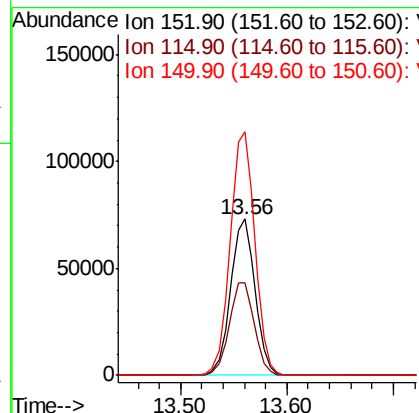
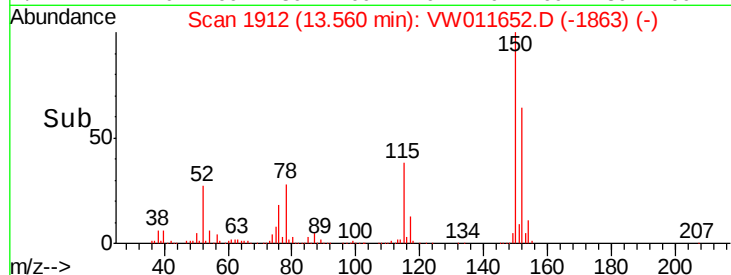
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011652.D
Acq: 03 Aug 2019 06:27

Instrument :
MSVOA_W
ClientSampleId :
1S-E3-(30)

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.5	91.5
150	157.3	0.0	352.6



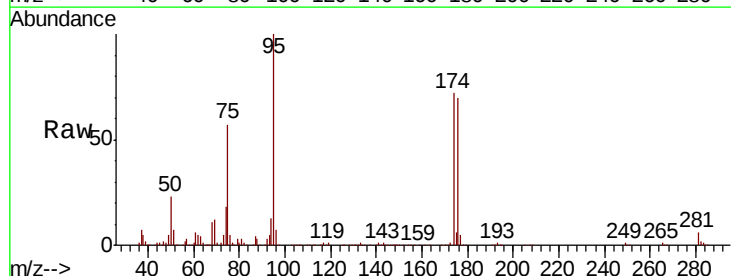
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



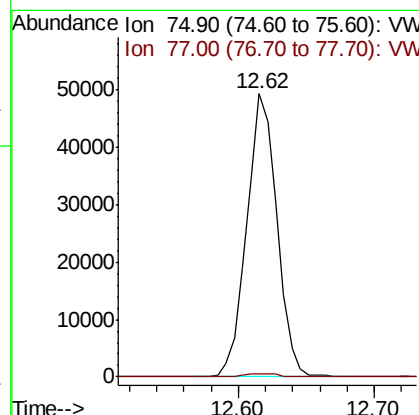
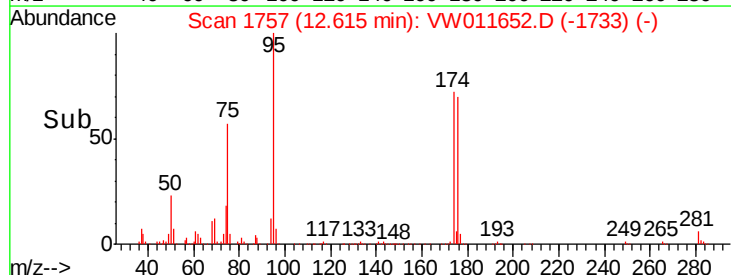
#76

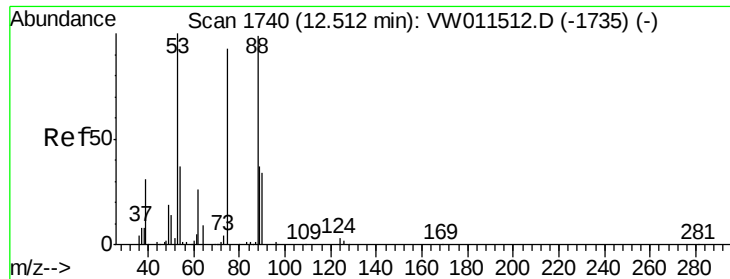
1,2,3-Trichloropropane
Concen: 61.649 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW011652.D
Acq: 03 Aug 2019 06:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	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: 142.081 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011652.D

Acq: 03 Aug 2019 06:27

Instrument :

MSVOA_W

ClientSampleId :

1S-E3-(30)

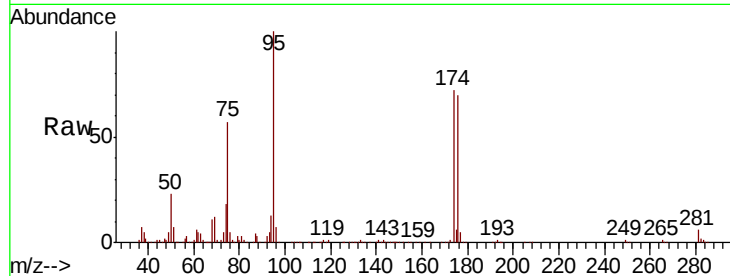
Tgt Ion: 75 Resp: 76655

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

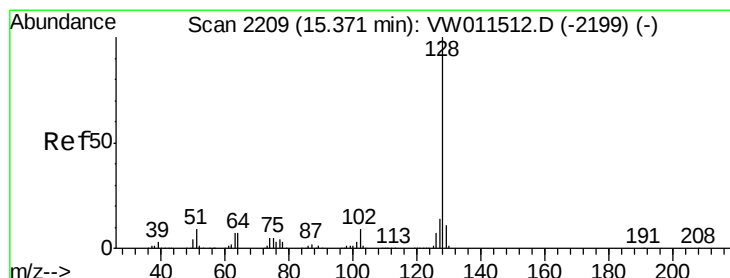
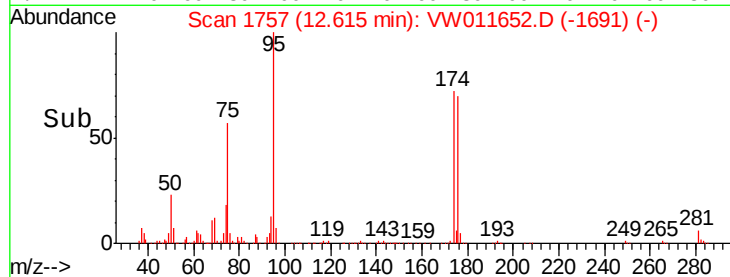
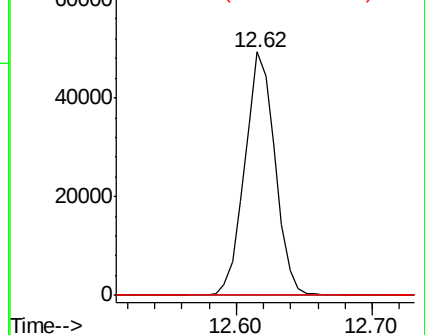
89 0.1 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#95

Naphthalene

Concen: 2.094 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011652.D

Acq: 03 Aug 2019 06:27

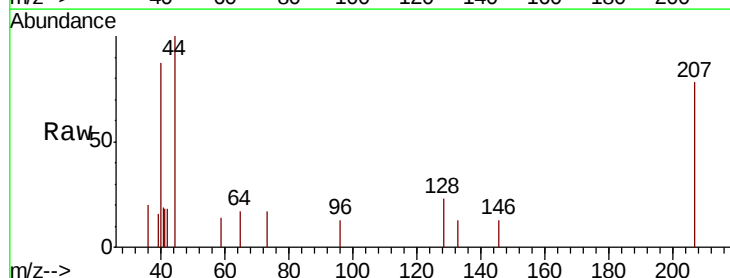
Tgt Ion: 128 Resp: 134

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

