

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080619\
 Data File : VW011713.D
 Acq On : 05 Aug 2019 16:58
 Operator : SY/VA
 Sample : K4135-09RE
 Misc : 6.85G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-A3-(30)RE

Quant Time: Aug 06 08:04:20 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	198132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	332408	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	243846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	67175	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	130018	57.15	ug/l	0.00
Spiked Amount			Recovery	=	114.30%	
35) Dibromofluoromethane	7.88	113	103745	55.63	ug/l	0.00
Spiked Amount			Recovery	=	111.26%	
50) Toluene-d8	10.32	98	386259	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
62) 4-Bromofluorobenzene	12.62	95	102678	37.72	ug/l	0.00
Spiked Amount			Recovery	=	75.44%	

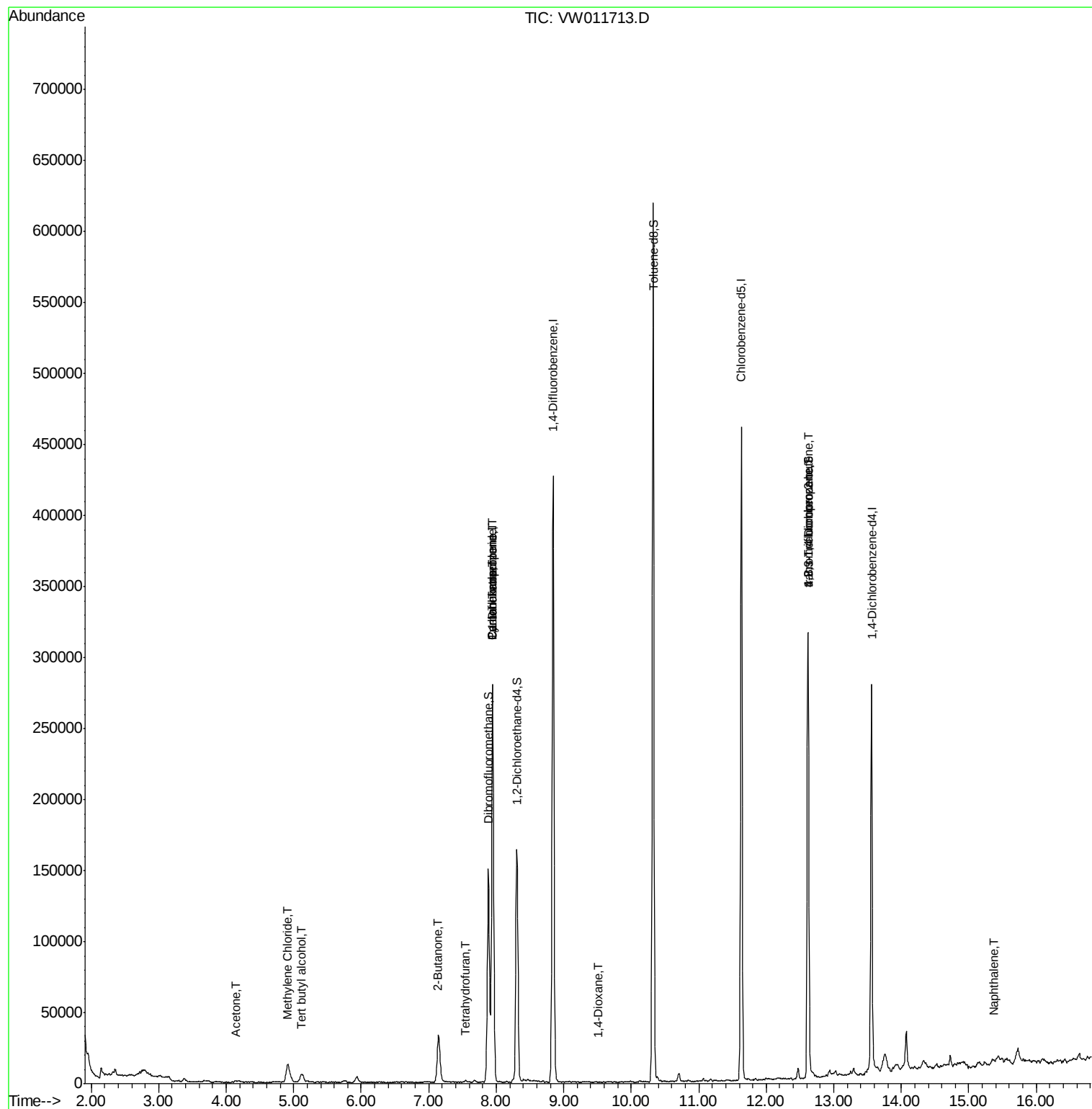
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	5902	18.651	ug/l #	72
16) Acetone	4.15	43	2165	2.992	ug/l #	74
20) Methylene Chloride	4.91	84	9977	3.997	ug/l #	90
25) 2-Butanone	7.14	43	2267	2.394	ug/l #	85
29) Tetrahydrofuran	7.55	42	963	1.779	ug/l #	84
31) Cyclohexane	7.94	56	5213	1.225	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	17392	5.032	ug/l #	51
38) Carbon Tetrachloride	7.95	117	19692	6.655	ug/l #	16
49) 1,4-Dioxane	9.51	88	41	2.395	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	53682	75.525	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	53682	174.058	ug/l #	7
95) Naphthalene	15.38	128	1240	2.514	ug/l #	94

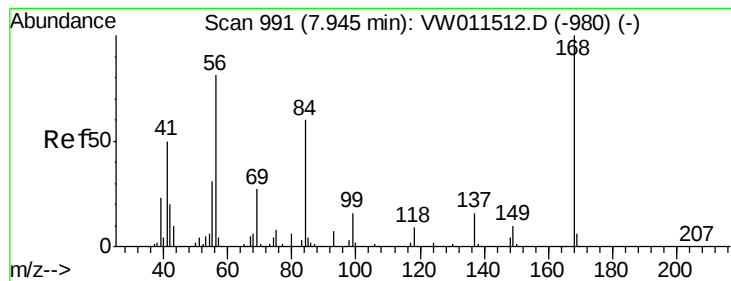
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080619\
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Quant Title : SW846 8260
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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: VW011713.D

Acq: 05 Aug 2019 16:58

Instrument :

MSVOA_W

ClientSampleId :

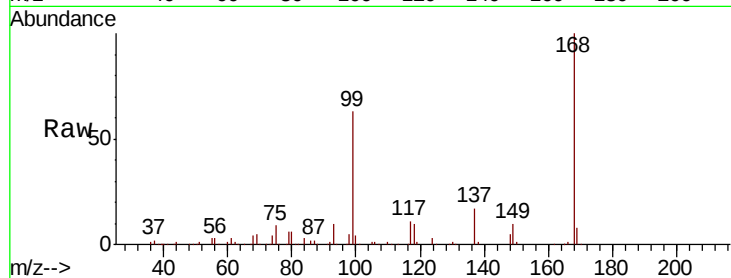
1S-A3-(30)RE

Tgt Ion:168 Resp: 198132

Ion Ratio Lower Upper

168 100

99 63.5 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

80000

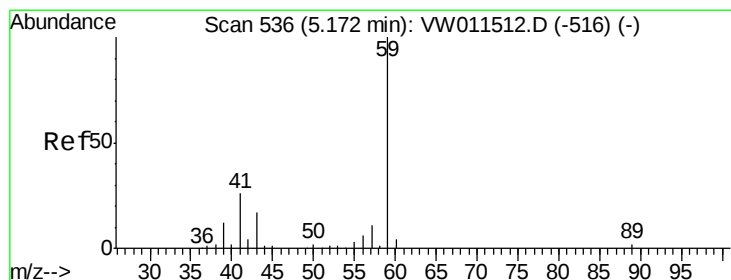
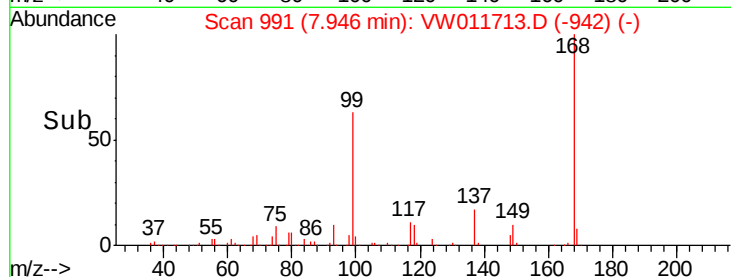
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 18.651 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW011713.D

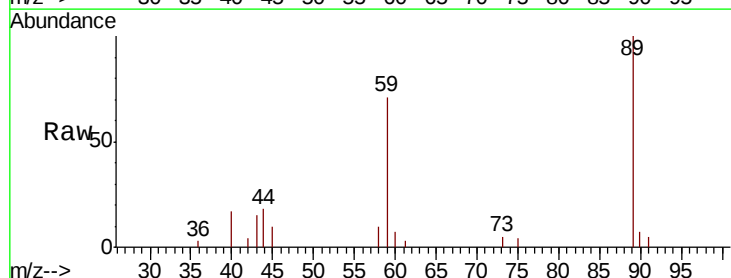
Acq: 05 Aug 2019 16:58

Tgt Ion: 59 Resp: 5902

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

2000

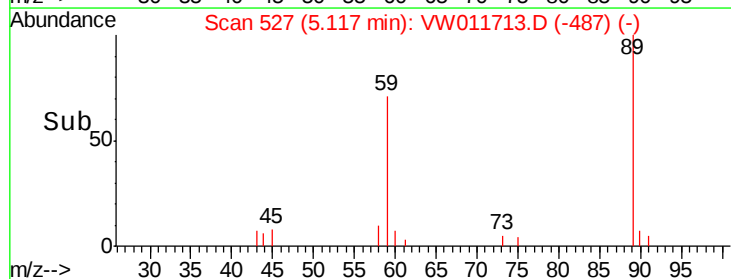
1500

1000

500

0

Time-->





#16

Acetone

Concen: 2.992 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW011713.D

Acq: 05 Aug 2019 16:58

Instrument :

MSVOA_W

ClientSampleId :

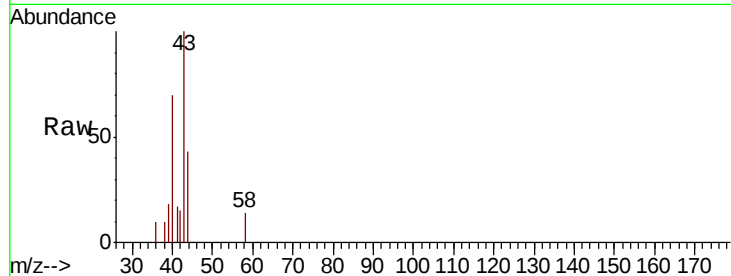
1S-A3-(30)RE

Tgt Ion: 43 Resp: 2165

Ion Ratio Lower Upper

43 100

58 14.4 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

600

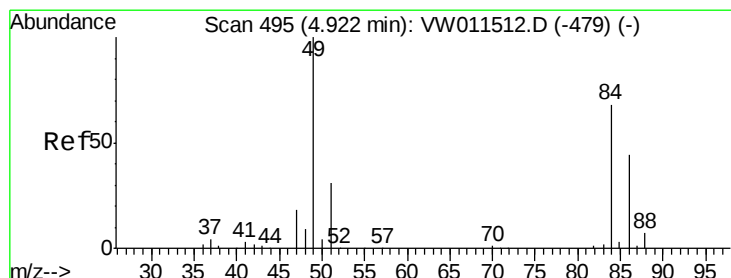
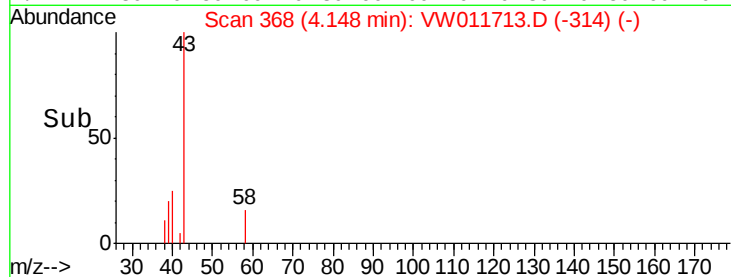
400

200

0

4.10 4.20

Time-->



#20

Methylene Chloride

Concen: 3.997 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011713.D

Acq: 05 Aug 2019 16:58

Tgt Ion: 84 Resp: 9977

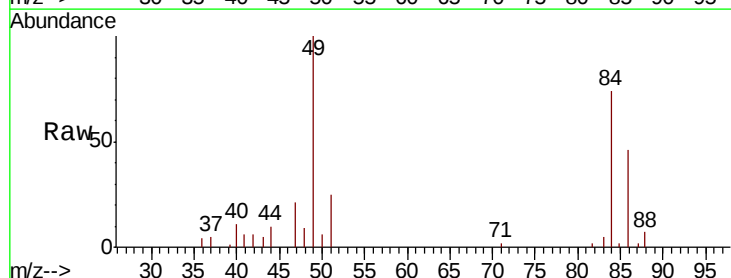
Ion Ratio Lower Upper

84 100

49 134.5 117.8 176.6

51 34.0 37.0 55.4#

86 62.1 51.8 77.8



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

6000

5000

4000

3000

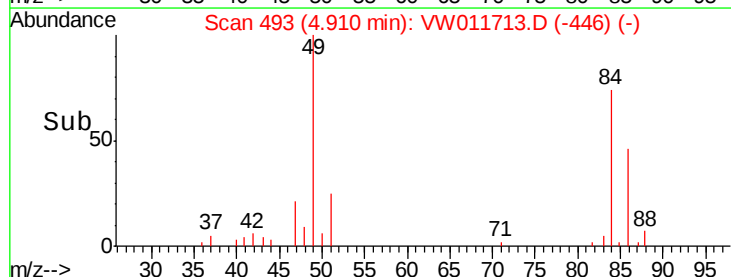
2000

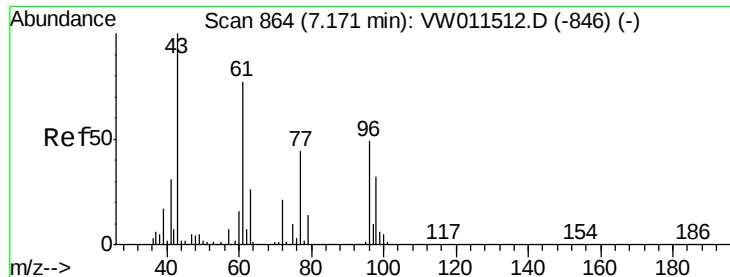
1000

0

4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 2.394 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW011713.D

Acq: 05 Aug 2019 16:58

Instrument :

MSVOA_W

ClientSampleId :

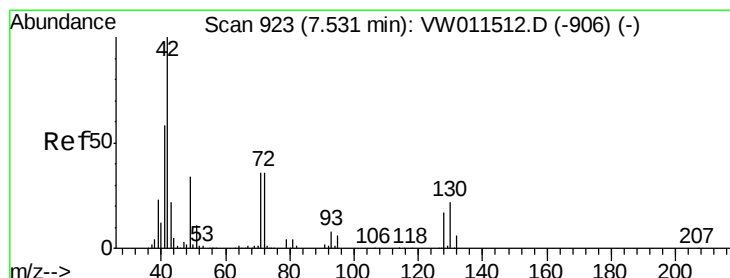
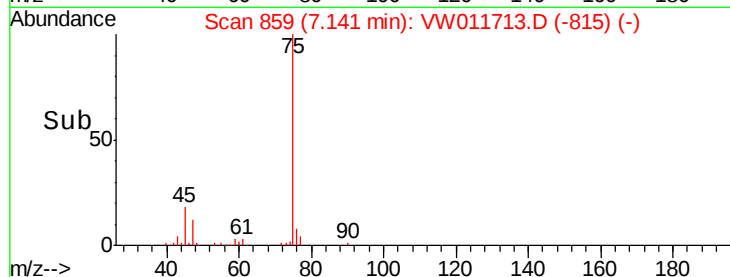
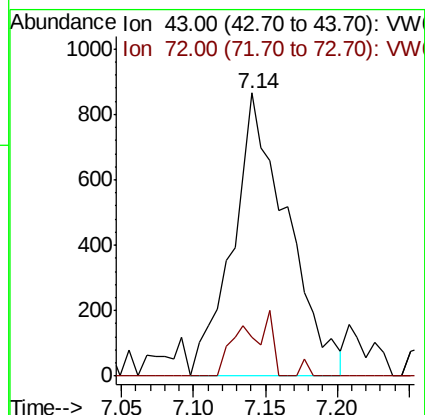
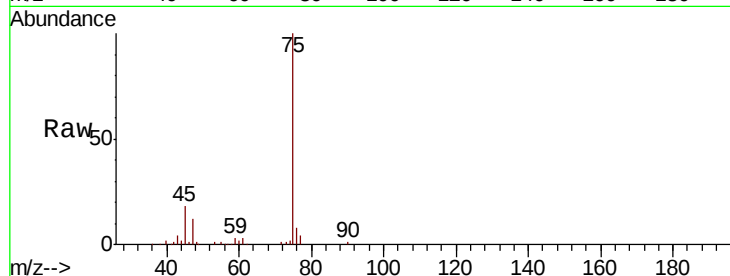
1S-A3-(30)RE

Tgt Ion: 43 Resp: 2267

Ion Ratio Lower Upper

43 100

72 13.5 16.6 24.8#



#29

Tetrahydrofuran

Concen: 1.779 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW011713.D

Acq: 05 Aug 2019 16:58

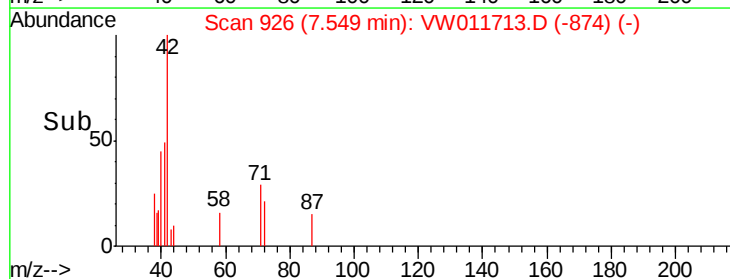
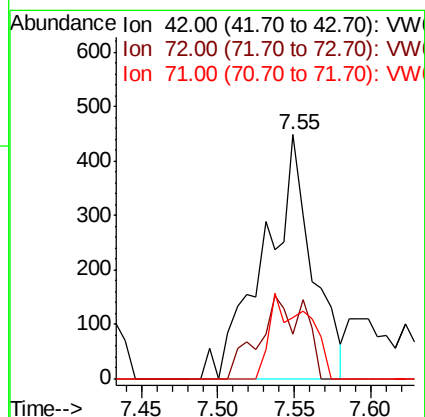
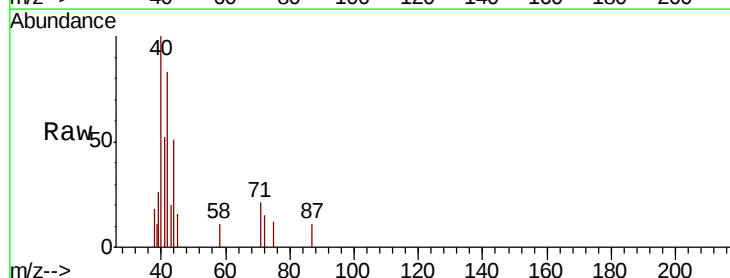
Tgt Ion: 42 Resp: 963

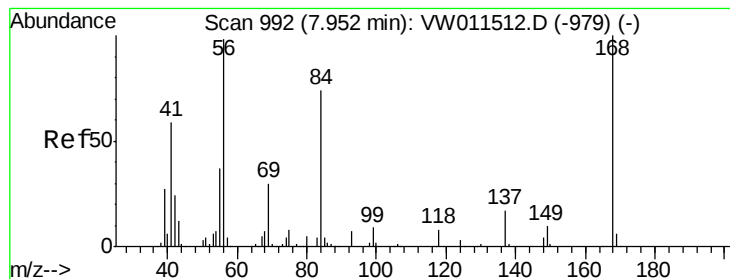
Ion Ratio Lower Upper

42 100

72 32.6 27.1 40.7

71 16.0 26.2 39.4#





#31

Cyclohexane

Concen: 1.225 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011713.D

Acq: 05 Aug 2019 16:58

Instrument :

MSVOA_W

ClientSampled :

1S-A3-(30)RE

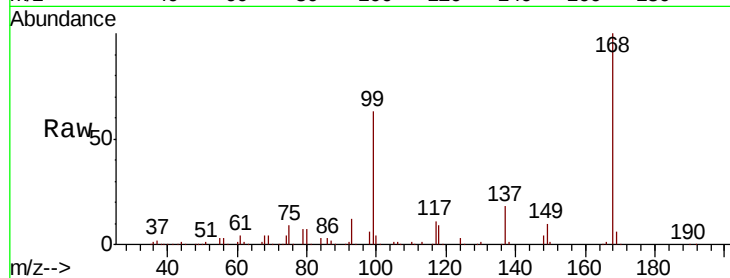
Tgt Ion: 56 Resp: 5213

Ion Ratio Lower Upper

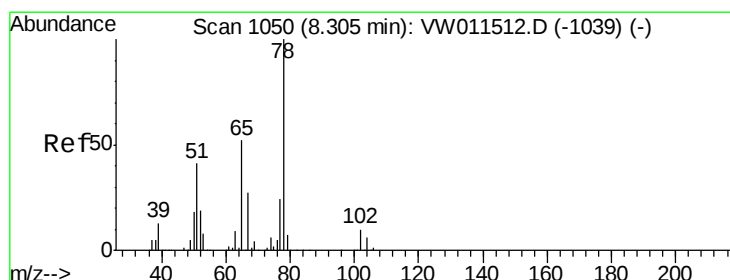
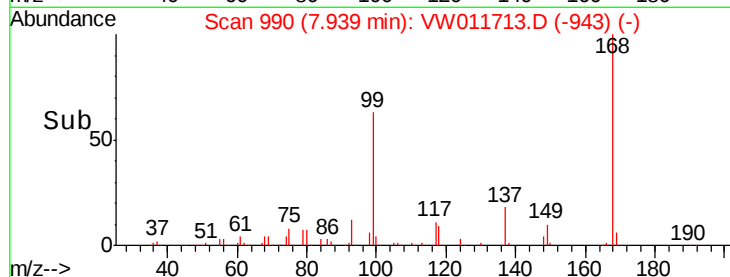
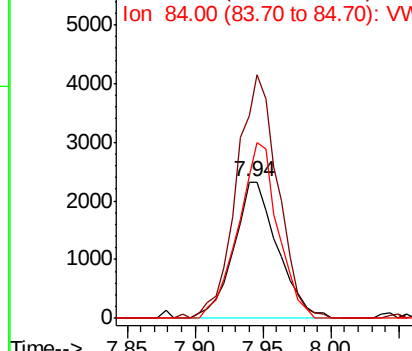
56 100

69 148.0 24.3 36.5#

84 104.2 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: 57.148 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011713.D

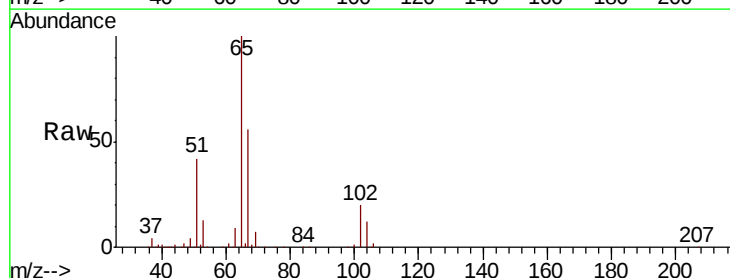
Acq: 05 Aug 2019 16:58

Tgt Ion: 65 Resp: 130018

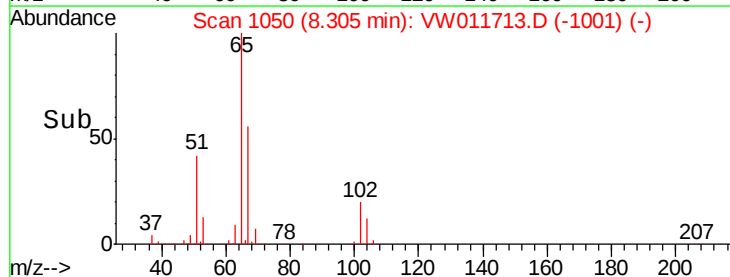
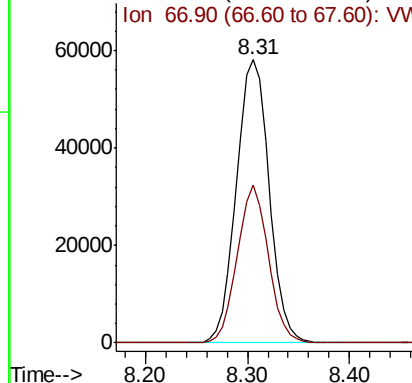
Ion Ratio Lower Upper

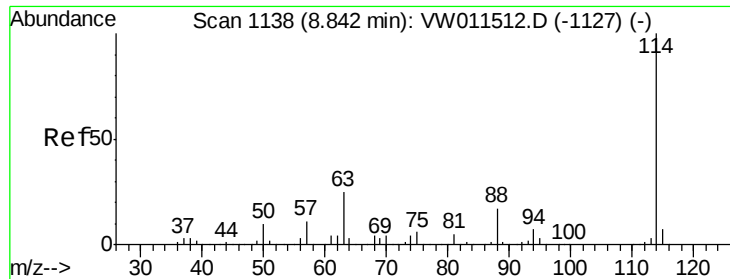
65 100

67 52.8 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

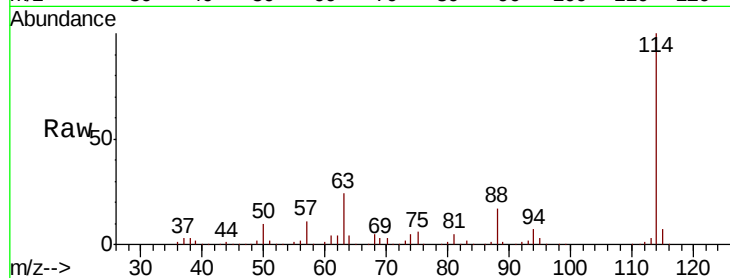




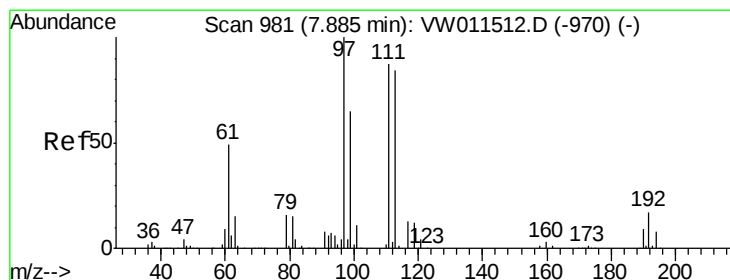
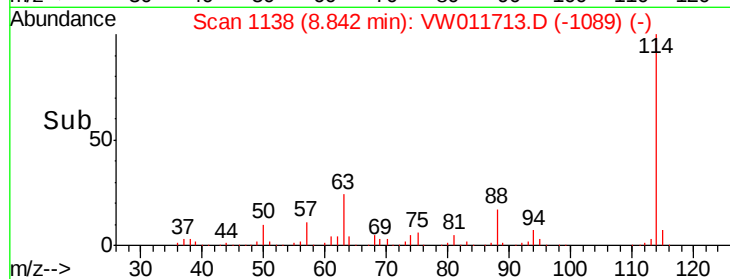
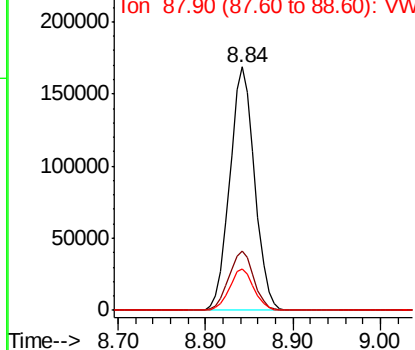
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011713.D
 Acq: 05 Aug 2019 16:58

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-A3-(30)RE

Tgt Ion:114 Resp: 332408
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 49.2
 88 16.9 0.0 33.8

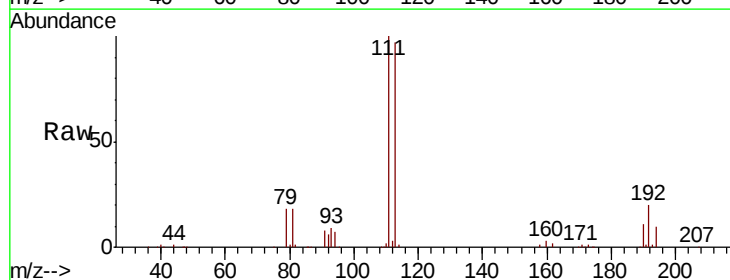


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

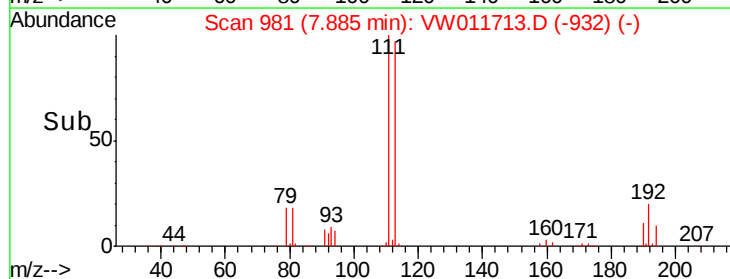
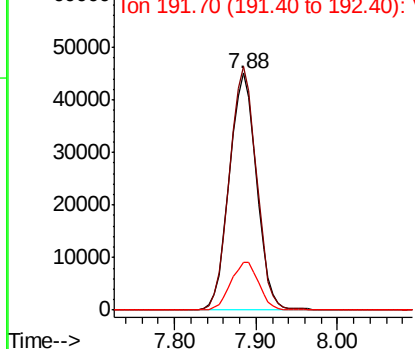


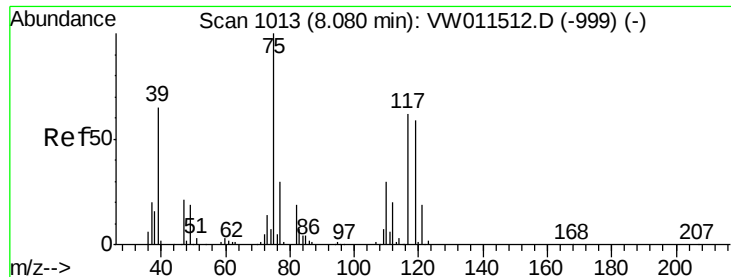
#35
 Dibromofluoromethane
 Concen: 55.631 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011713.D
 Acq: 05 Aug 2019 16:58

Tgt Ion:113 Resp: 103745
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.7 124.1
 192 20.5 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

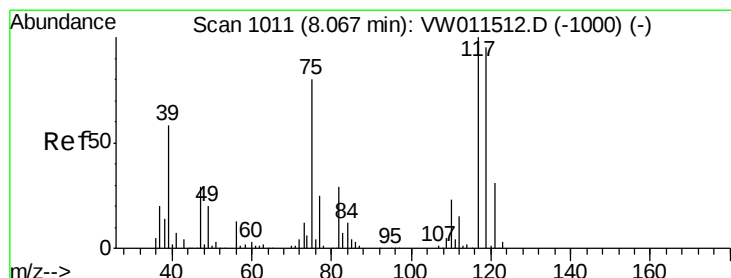
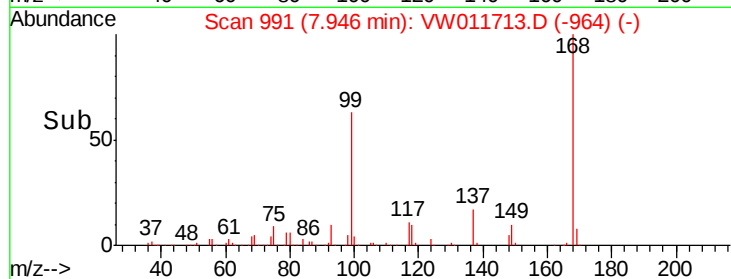
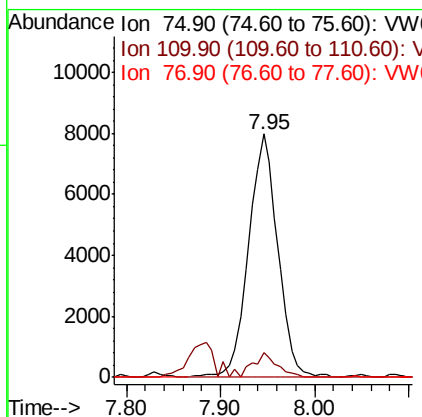
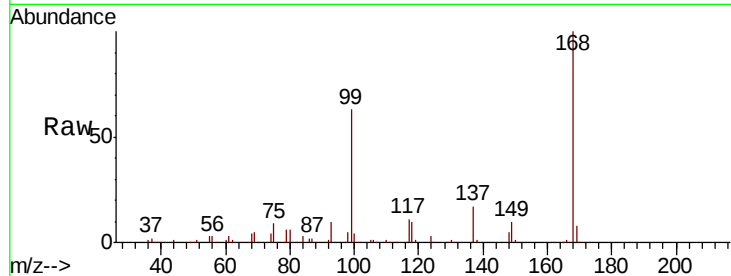




#36
 1,1-Dichloropropene
 Concen: 5.032 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011713.D
 Acq: 05 Aug 2019 16:58

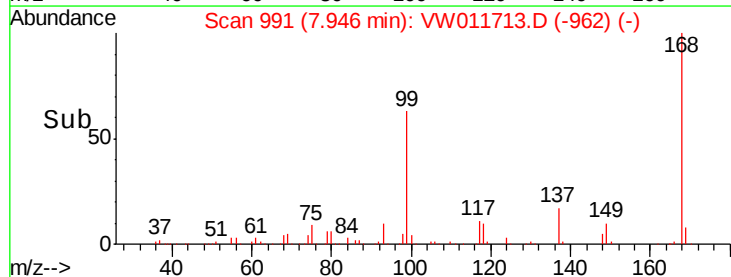
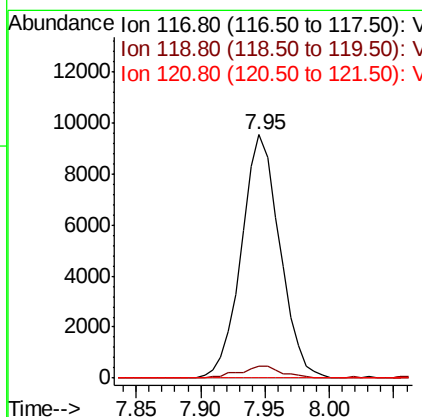
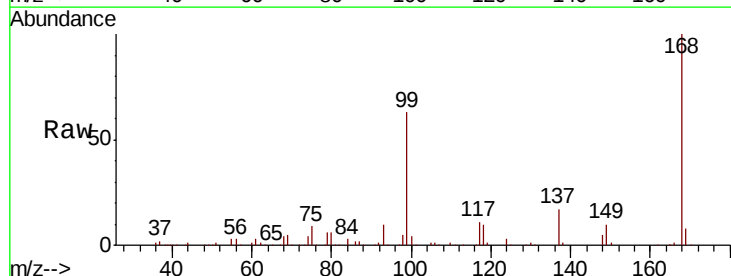
Instrument :
 MSVOA_W
 ClientSampleId :
 1S-A3-(30)RE

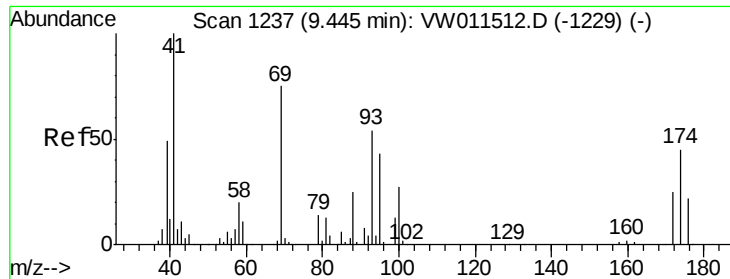
Tgt Ion: 75 Resp: 17392
 Ion Ratio Lower Upper
 75 100
 110 8.1 15.6 46.8#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.655 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011713.D
 Acq: 05 Aug 2019 16:58

Tgt Ion: 117 Resp: 19692
 Ion Ratio Lower Upper
 117 100
 119 4.7 75.8 113.6#
 121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 2.395 ug/l

RT: 9.51 min Scan# 1248

Delta R.T. 0.07 min

Lab File: VW011713.D

Acq: 05 Aug 2019 16:58

Instrument :

MSVOA_W

ClientSampleId :

1S-A3-(30)RE

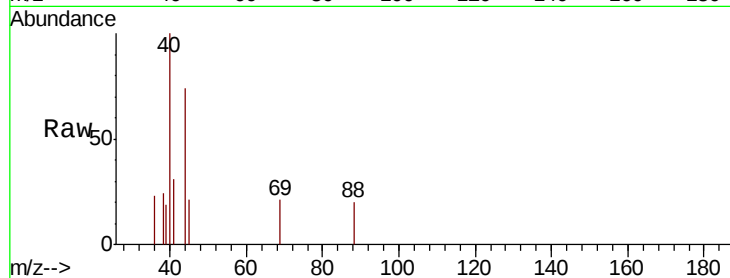
Tgt Ion: 88 Resp: 41

Ion Ratio Lower Upper

88 100

43 426.8 34.0 51.0#

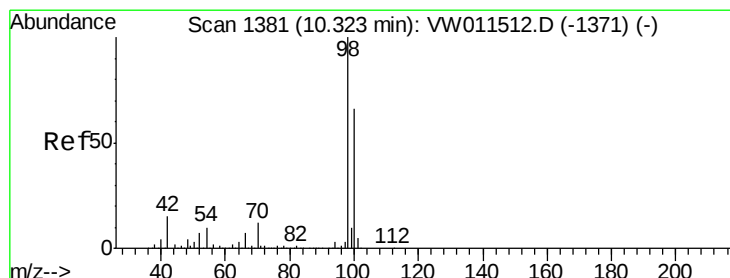
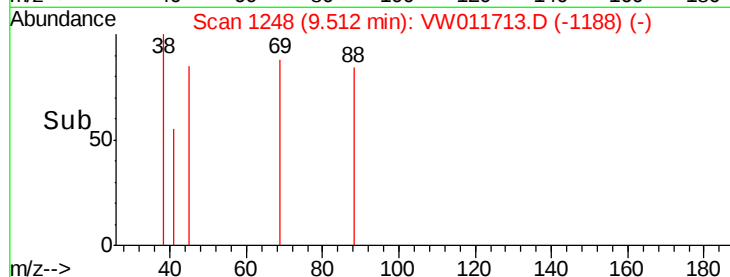
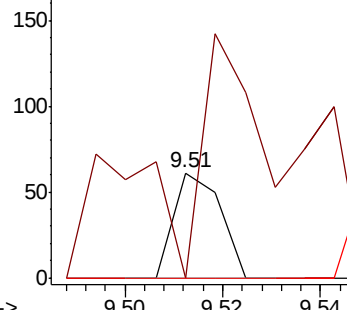
58 0.0 69.7 104.5#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.588 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011713.D

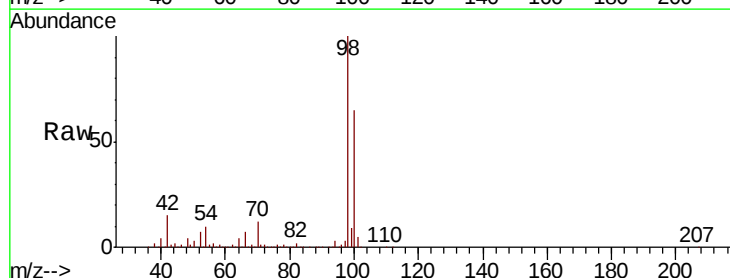
Acq: 05 Aug 2019 16:58

Tgt Ion: 98 Resp: 386259

Ion Ratio Lower Upper

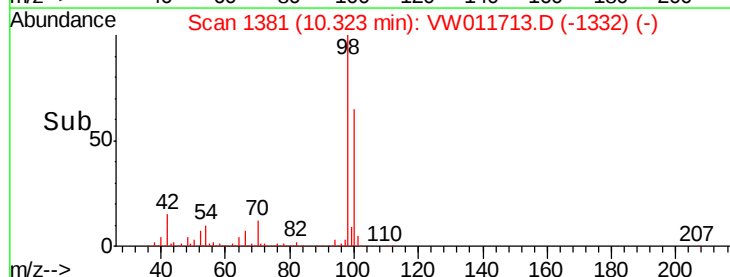
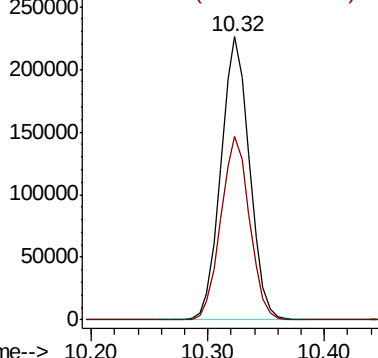
98 100

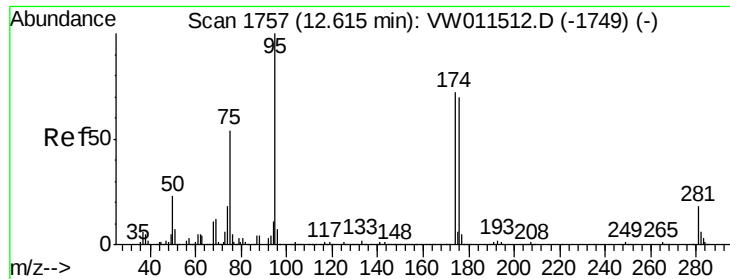
100 65.2 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

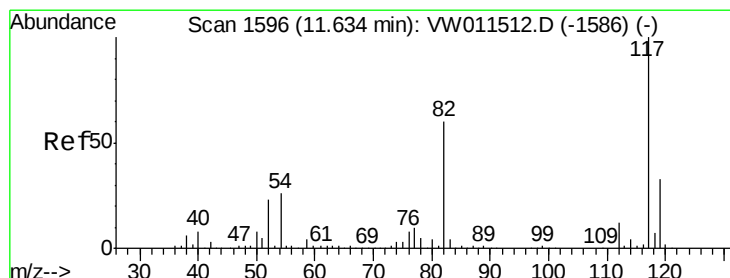
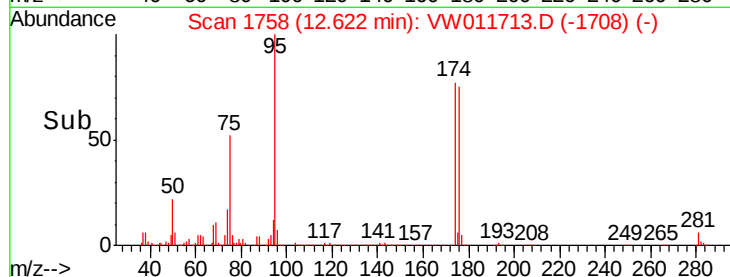
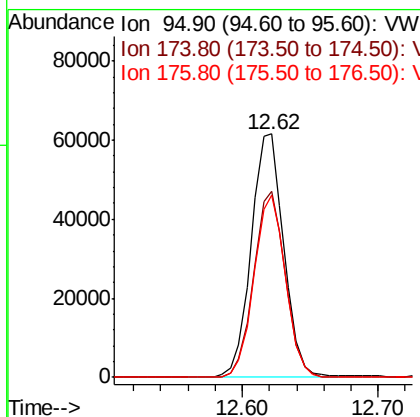
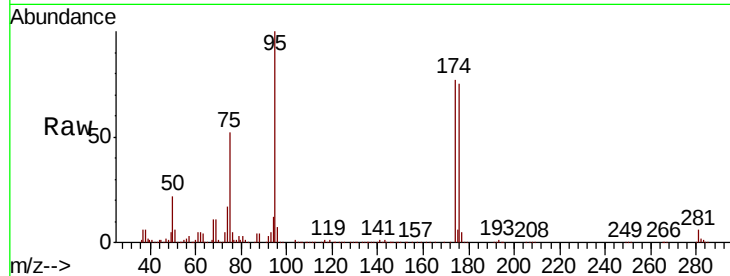




#62
4-Bromofluorobenzene
Concen: 37.720 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW011713.D
Acq: 05 Aug 2019 16:58

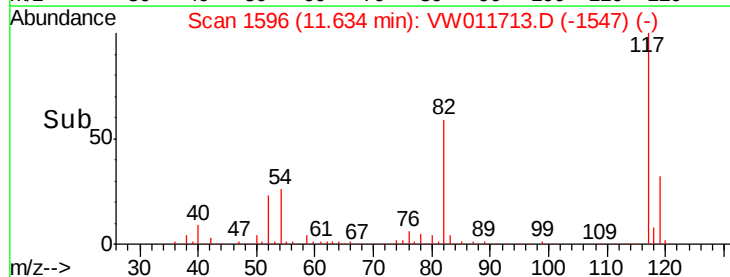
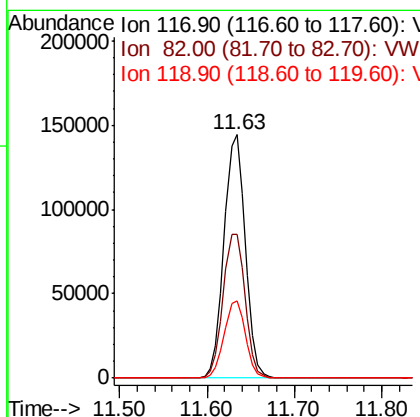
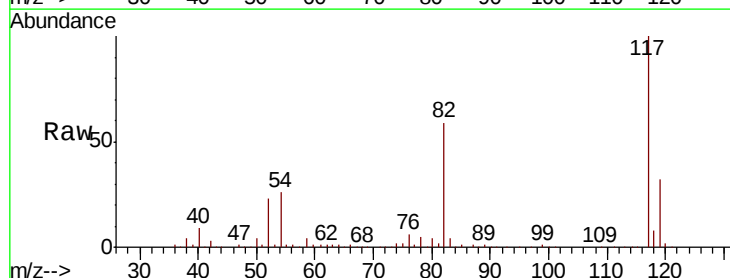
Instrument :
MSVOA_W
ClientSampleId :
1S-A3-(30)RE

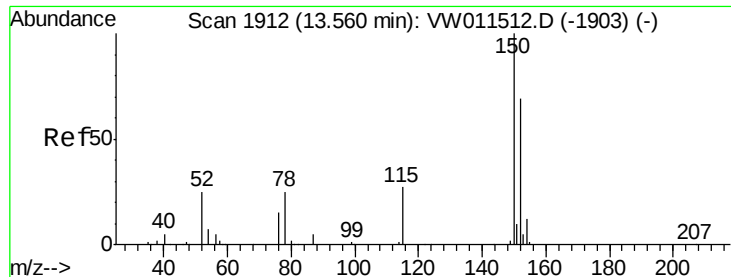
Tgt Ion: 95 Resp: 102678
Ion Ratio Lower Upper
95 100
174 74.9 0.0 150.2
176 72.7 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011713.D
Acq: 05 Aug 2019 16:58

Tgt Ion: 117 Resp: 243846
Ion Ratio Lower Upper
117 100
82 59.0 47.9 71.9
119 31.8 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: VW011713.D

Acq: 05 Aug 2019 16:58

Instrument :

MSVOA_W

ClientSampleId :

1S-A3-(30)RE

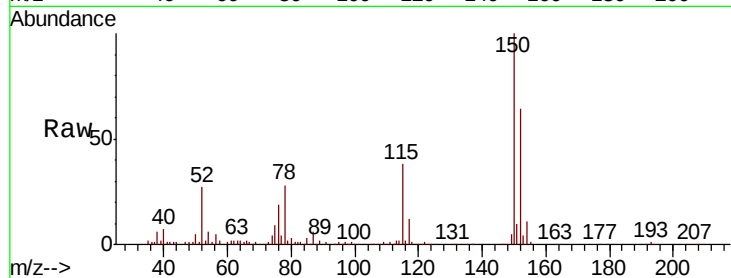
Tgt Ion:152 Resp: 67175

Ion Ratio Lower Upper

152 100

115 60.4 30.5 91.5

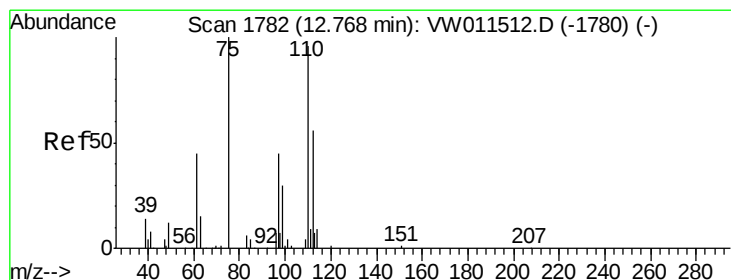
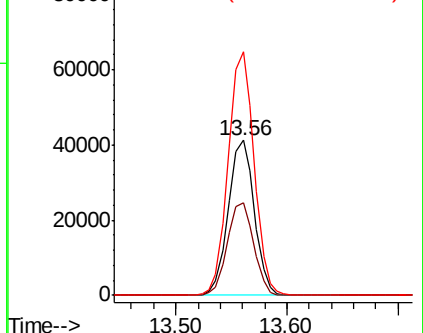
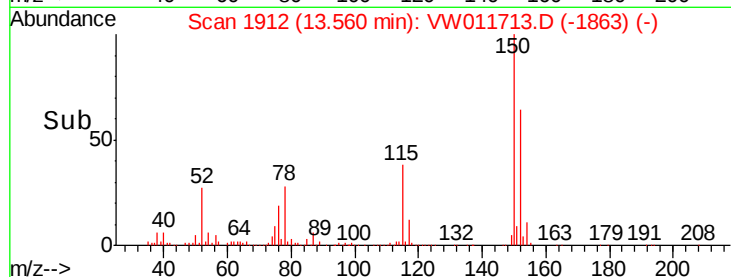
150 155.2 0.0 352.6



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: 75.525 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011713.D

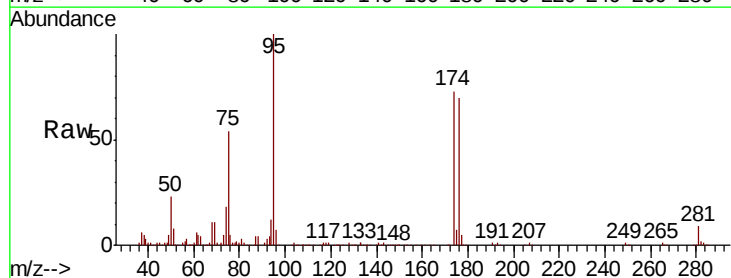
Acq: 05 Aug 2019 16:58

Tgt Ion: 75 Resp: 53682

Ion Ratio Lower Upper

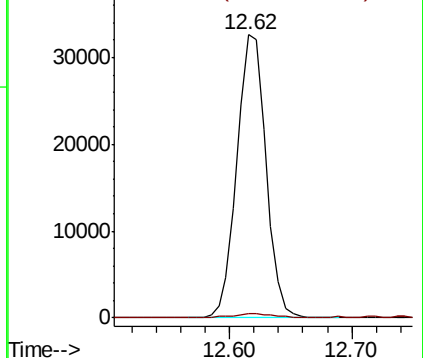
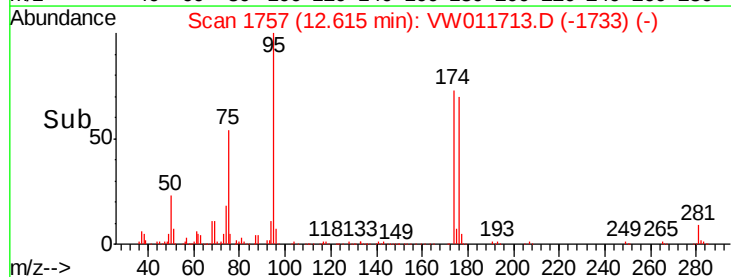
75 100

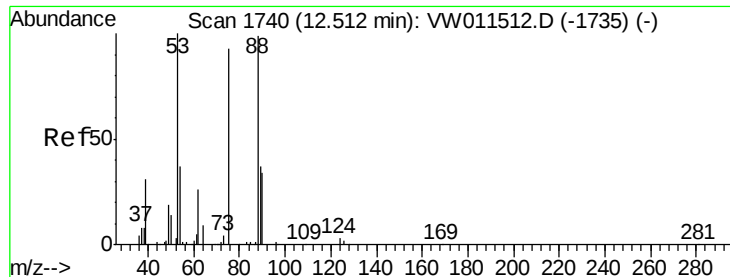
77 2.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

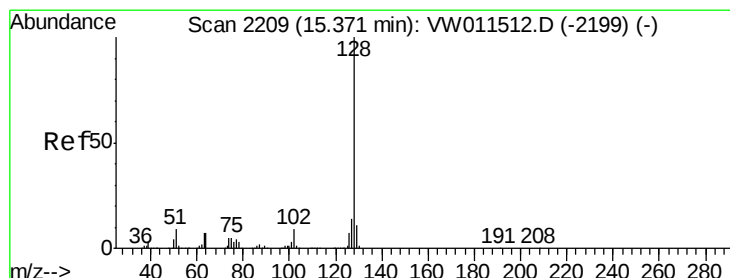
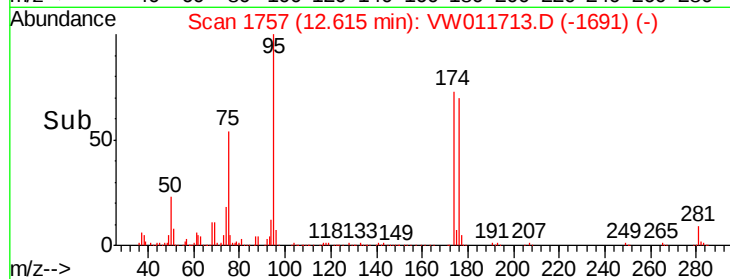
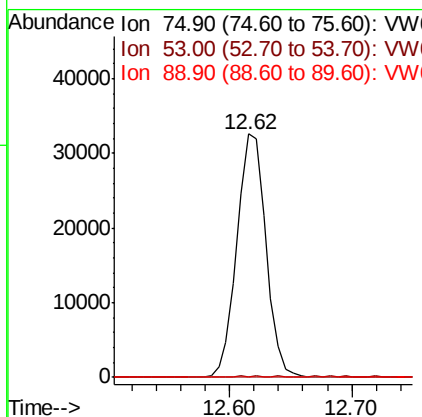
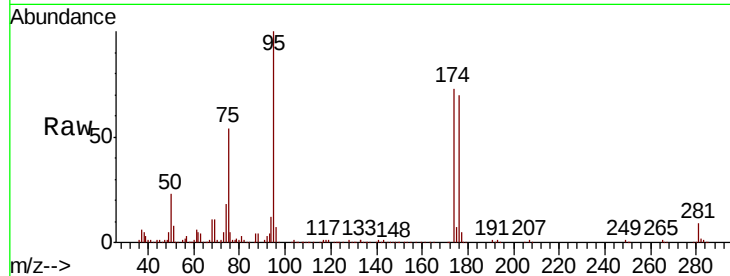




#81
trans-1,4-Dichloro-2-butene
Concen: 174.058 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW011713.D
Acq: 05 Aug 2019 16:58

Instrument :
MSVOA_W
ClientSampleId :
1S-A3-(30)RE

Tgt Ion: 75 Resp: 53682
Ion Ratio Lower Upper
75 100
53 0.7 88.0 132.0#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: 2.514 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW011713.D
Acq: 05 Aug 2019 16:58

Tgt Ion: 128 Resp: 1240
Ion Ratio Lower Upper
128 100
127 11.0 10.6 16.0
129 13.1 8.6 13.0#

