

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080419\
 Data File : VW011689.D
 Acq On : 04 Aug 2019 03:23
 Operator : SY/VA
 Sample : K4135-18
 Misc : 4.96G/5ML/MSVOA W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-B2-(30)

Quant Time: Aug 05 01:06:38 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	201624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	343618	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	297969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	131873	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	134446	58.07	ug/l	0.00
Spiked Amount			Recovery	=	116.14%	
35) Dibromofluoromethane	7.88	113	105730	54.85	ug/l	0.00
Spiked Amount			Recovery	=	109.70%	
50) Toluene-d8	10.32	98	402437	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.62	95	138533	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	

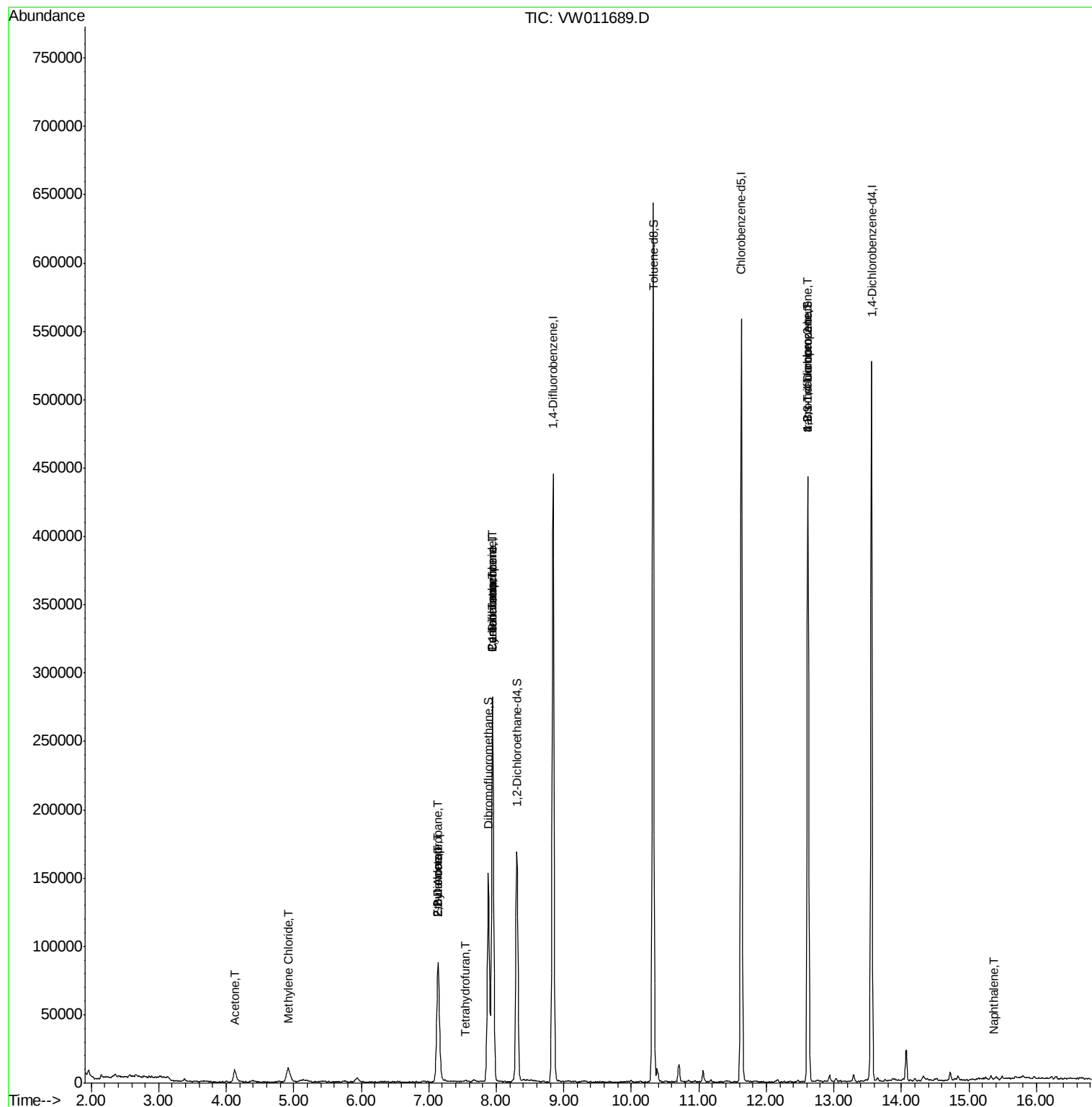
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	1430	Below Cal	#	90
16) Acetone	4.12	43	17940	24.360	ug/l	99
20) Methylene Chloride	4.92	84	7922	3.119	ug/l	99
25) 2-Butanone	7.14	43	6222	6.456	ug/l #	79
26) 2,2-Dichloropropane	7.14	77	5900	2.127	ug/l #	54
29) Tetrahydrofuran	7.54	42	777	1.411	ug/l #	57
31) Cyclohexane	7.95	56	5006	1.156	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17171	4.806	ug/l #	52
37) Ethyl Acetate	7.14	43	6222	3.027	ug/l #	3
38) Carbon Tetrachloride	7.95	117	20769	6.790	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	74182	53.163	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74182	122.522	ug/l #	6
95) Naphthalene	15.36	128	738	2.202	ug/l #	79

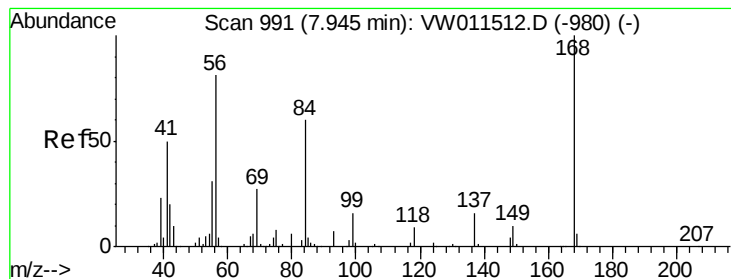
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW011689.D

Acq: 04 Aug 2019 03:23

Instrument :

MSVOA_W

ClientSampled :

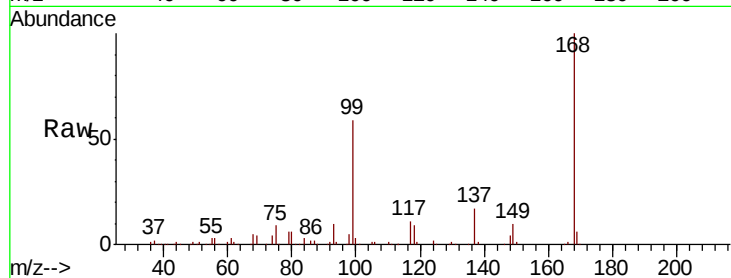
1S-B2-(30)

Tot Ion:168 Resp: 201624

Ion Ratio Lower Upper

168 100

99 59.3 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

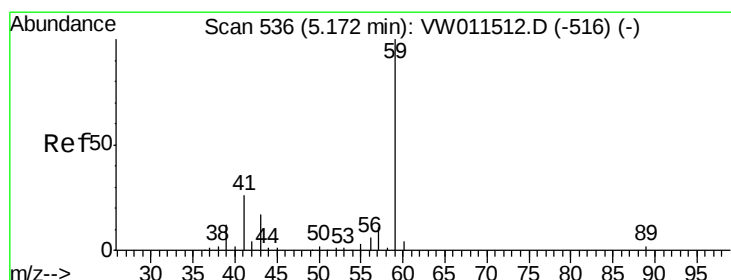
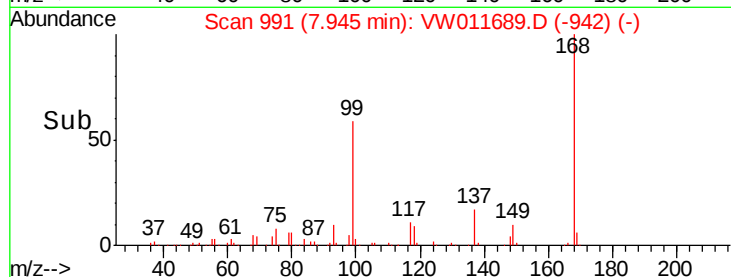
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 536

Delta R.T. 0.00 min

Lab File: VW011689.D

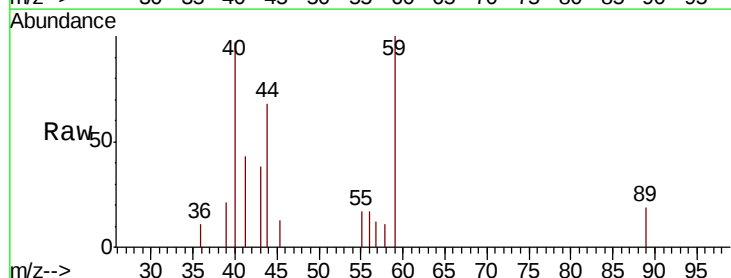
Acq: 04 Aug 2019 03:23

Tgt Ion: 59 Resp: 1430

Ion Ratio Lower Upper

59 100

57 14.5 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

500

400

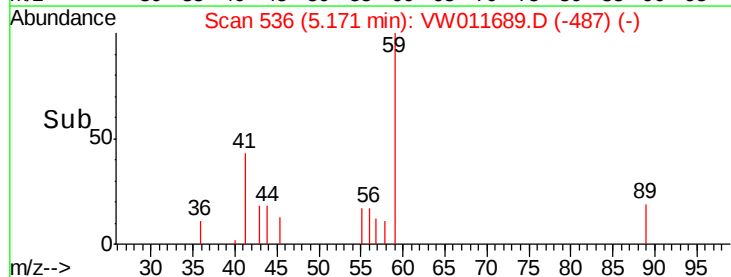
300

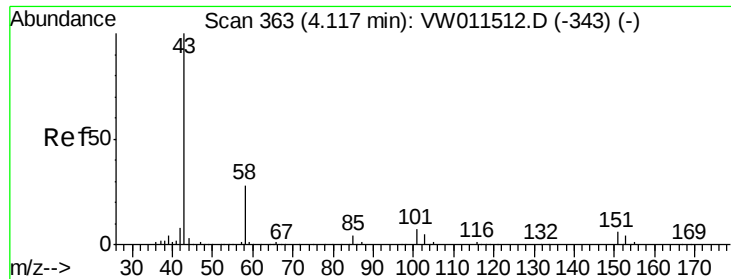
200

100

0

Time--> 5.15 5.20 5.25





#16

Acetone

Concen: 24.360 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011689.D

Acq: 04 Aug 2019 03:23

Instrument :

MSVOA_W

ClientSampleId :

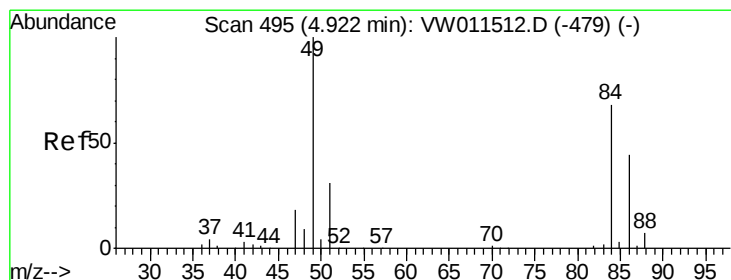
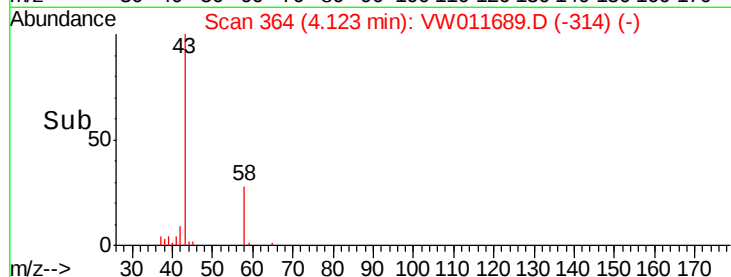
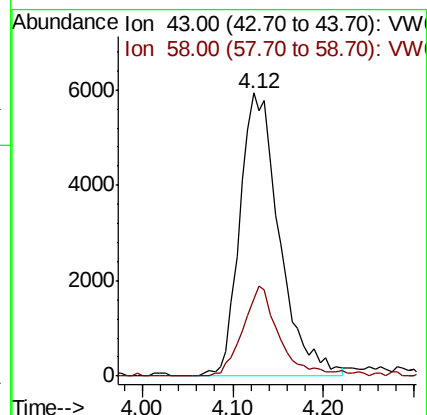
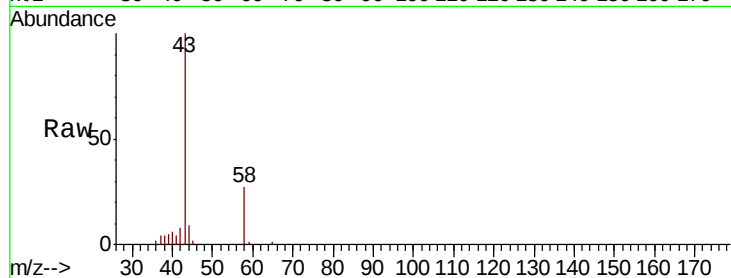
1S-B2-(30)

Tot Ion: 43 Resp: 17940

Ion Ratio Lower Upper

43 100

58 27.4 22.3 33.5



#20

Methylene Chloride

Concen: 3.119 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011689.D

Acq: 04 Aug 2019 03:23

Tgt Ion: 84 Resp: 7922

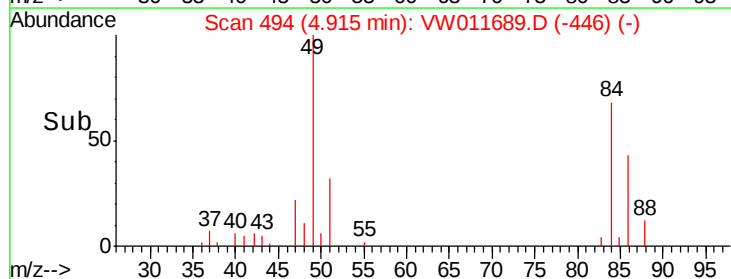
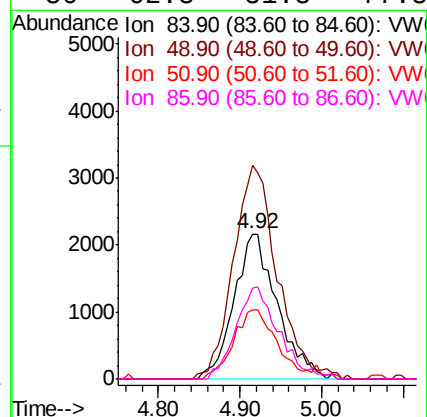
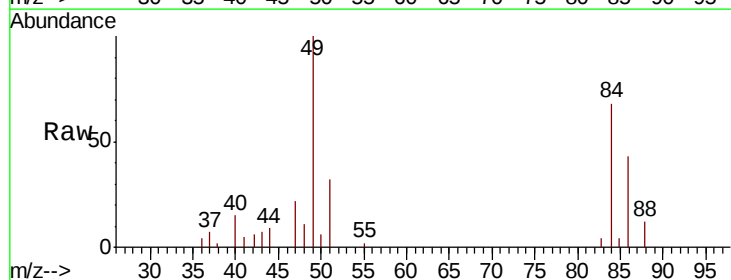
Ion Ratio Lower Upper

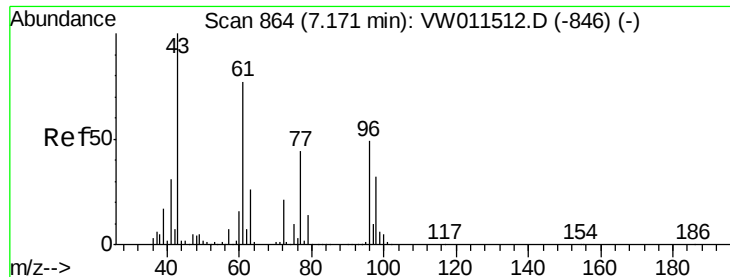
84 100

49 147.6 117.8 176.6

51 47.3 37.0 55.4

86 62.8 51.8 77.8





#25

2-Butanone

Concen: 6.456 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW011689.D

Acq: 04 Aug 2019 03:23

Instrument :

MSVOA_W

ClientSampleId :

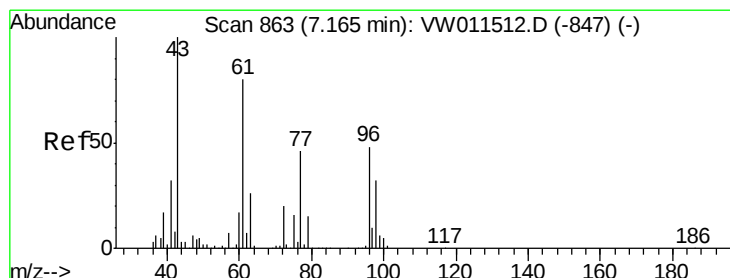
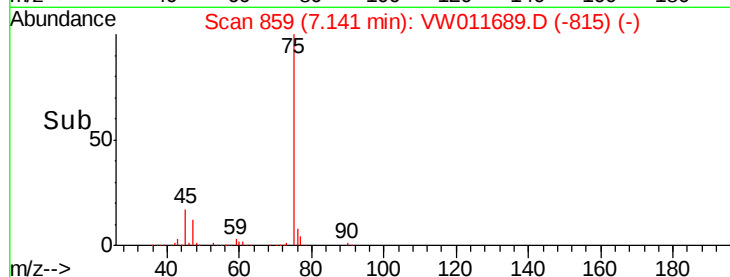
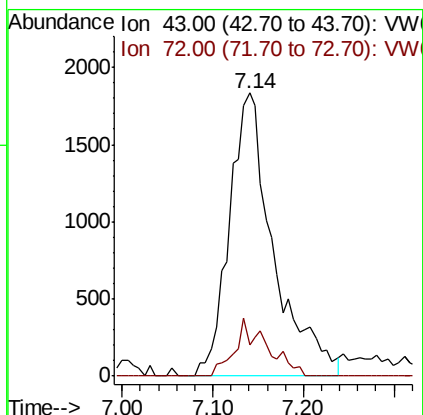
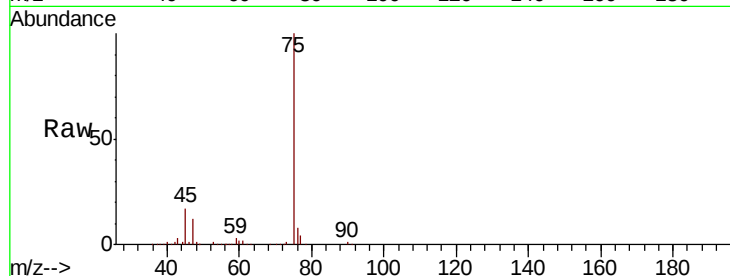
1S-B2-(30)

Tot Ion: 43 Resp: 6222

Ion Ratio Lower Upper

43 100

72 11.1 16.6 24.8#



#26

2,2-Dichloropropane

Concen: 2.127 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011689.D

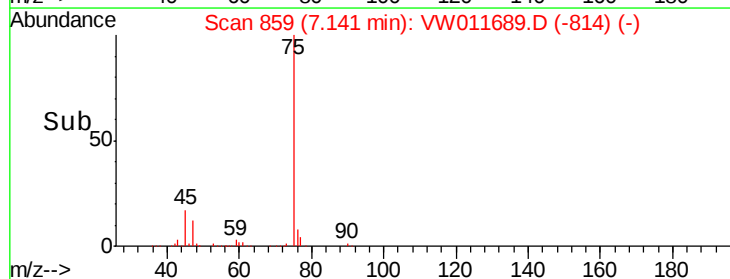
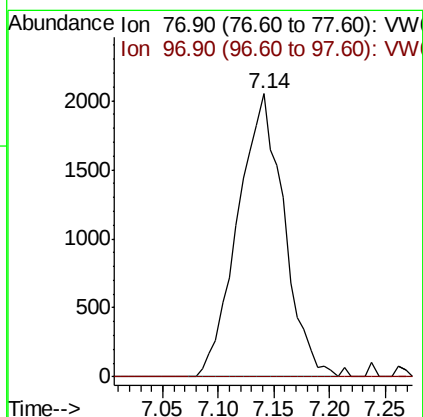
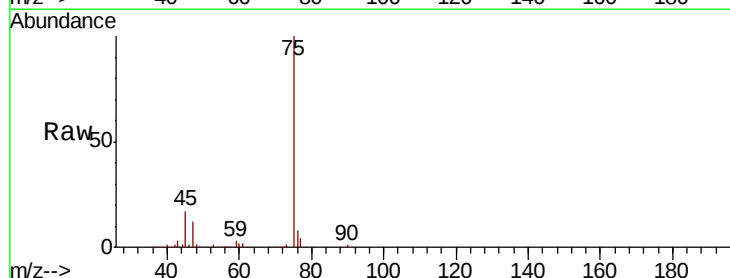
Acq: 04 Aug 2019 03:23

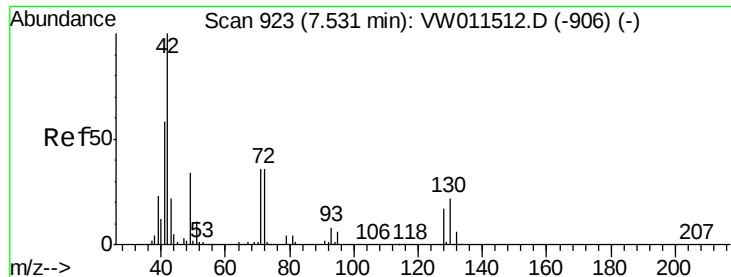
Tgt Ion: 77 Resp: 5900

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#

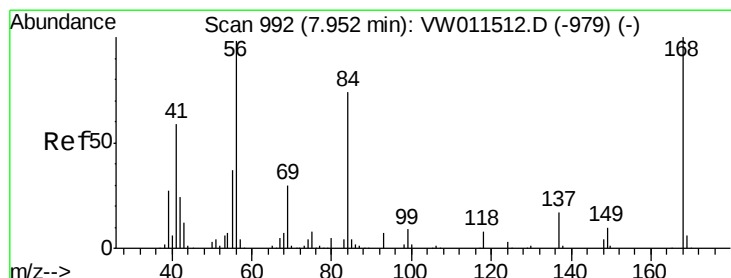
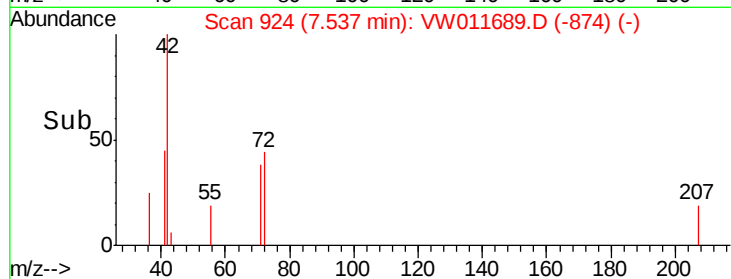
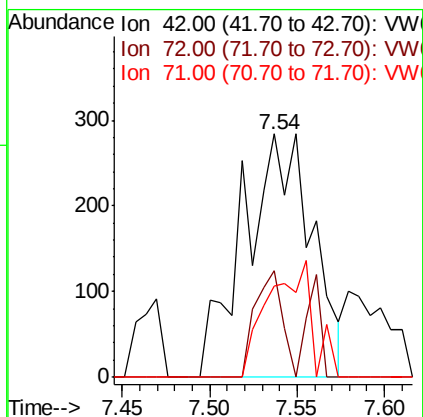
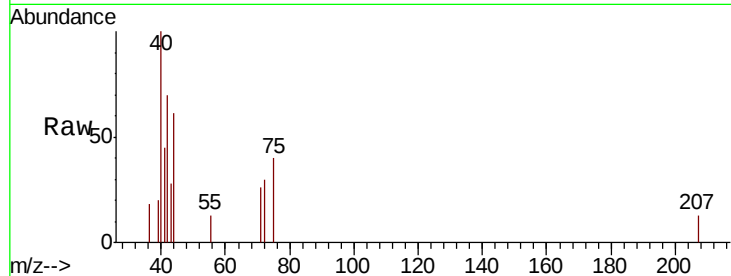




#29
Tetrahydrofuran
Concen: 1.411 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW011689.D
Acq: 04 Aug 2019 03:23

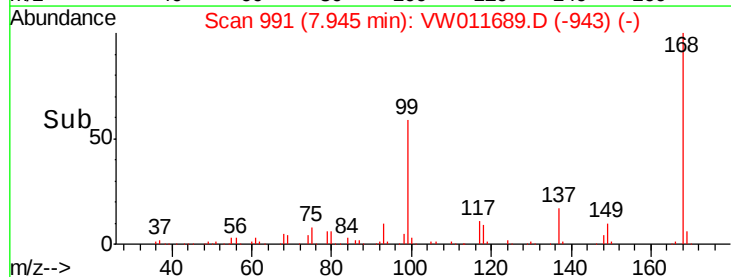
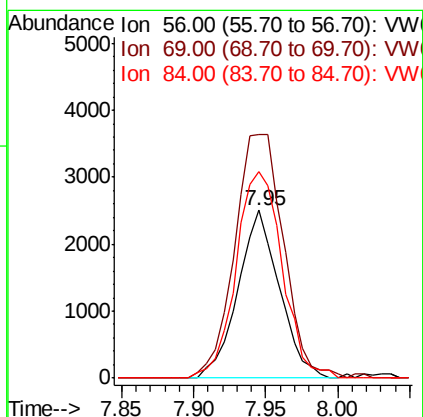
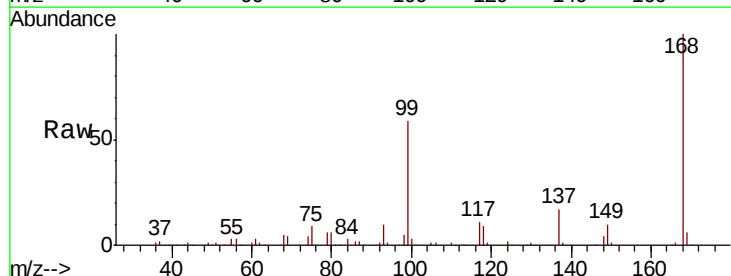
Instrument :
MSVOA_W
ClientSampleId :
1S-B2-(30)

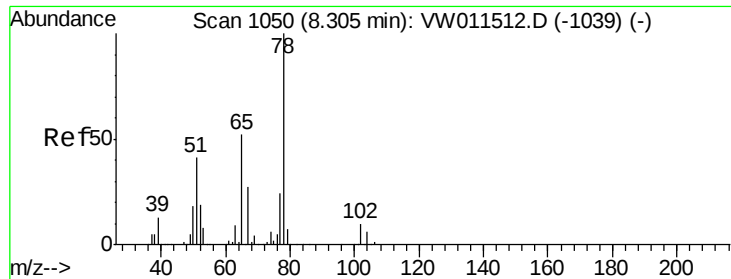
Tot Ion: 42 Resp: 777
Ion Ratio Lower Upper
42 100
72 17.2 27.1 40.7#
71 0.0 26.2 39.4#



#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011689.D
Acq: 04 Aug 2019 03:23

Tgt Ion: 56 Resp: 5006
Ion Ratio Lower Upper
56 100
69 145.3 24.3 36.5#
84 123.5 60.4 90.6#

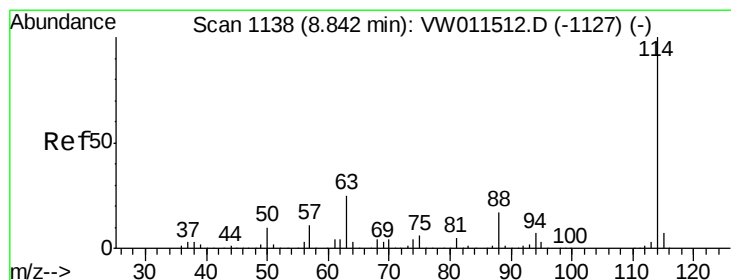
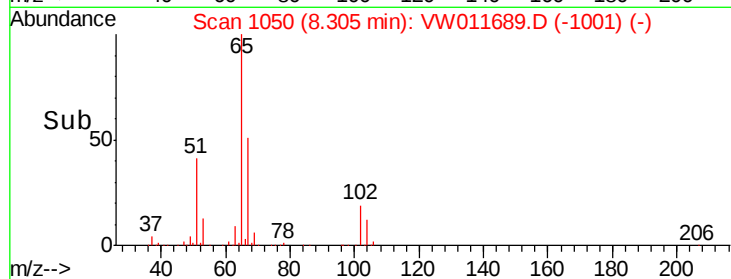
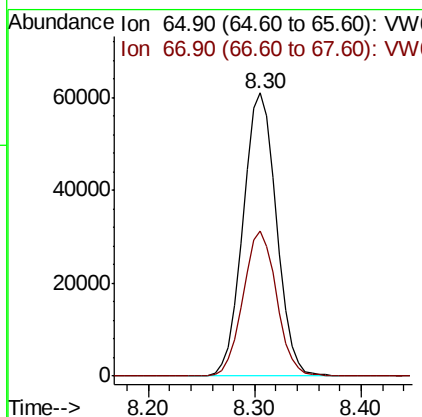
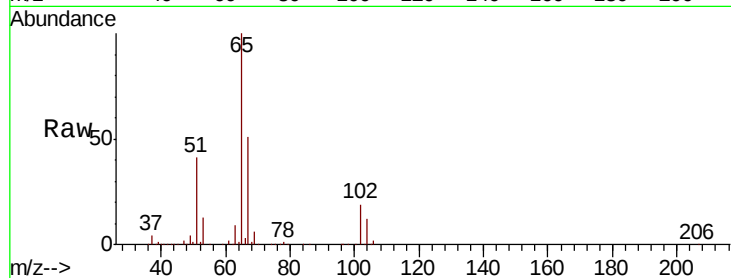




#33
 1,2-Dichloroethane-d4
 Concen: 58.071 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011689.D
 Acq: 04 Aug 2019 03:23

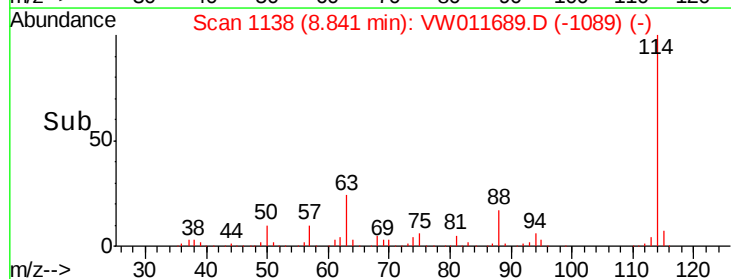
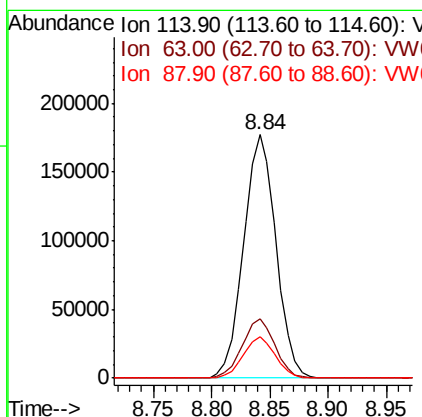
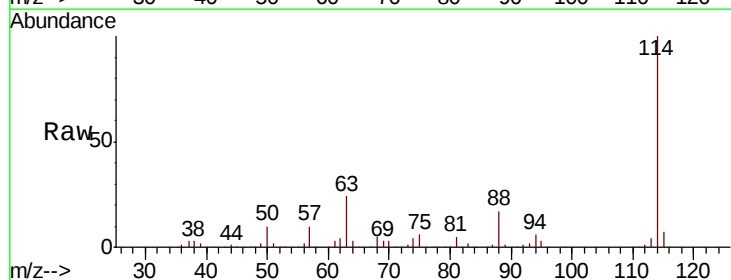
Instrument :
 MSVOA_W
 ClientSampleId :
 1S-B2-(30)

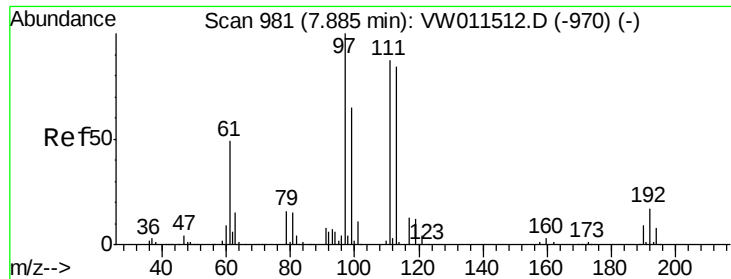
Tot Ion: 65 Resp: 134446
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011689.D
 Acq: 04 Aug 2019 03:23

Tgt Ion: 114 Resp: 343618
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 49.2
 88 17.0 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.846 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011689.D

Acq: 04 Aug 2019 03:23

Instrument :

MSVOA_W

ClientSampleId :

1S-B2-(30)

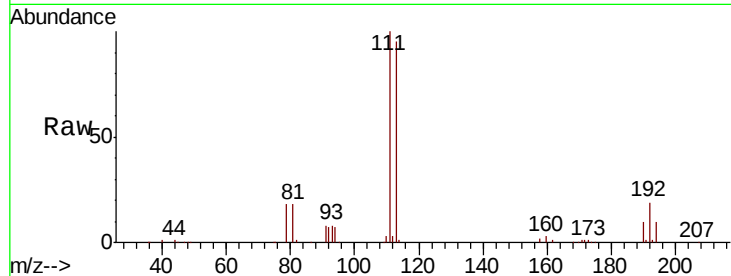
Tot Ion:113 Resp: 105730

Ion Ratio Lower Upper

113 100

111 102.6 82.7 124.1

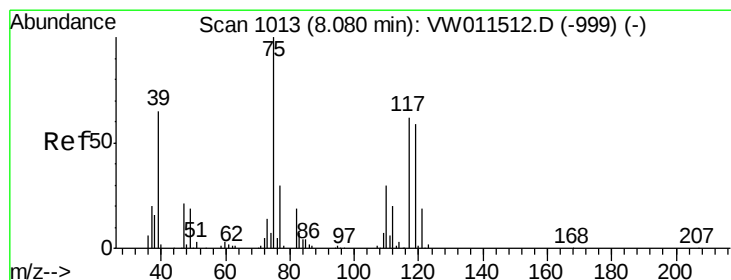
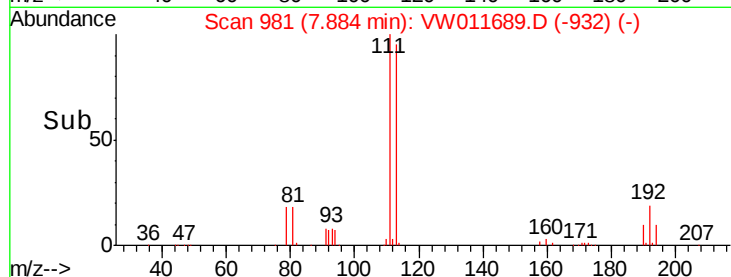
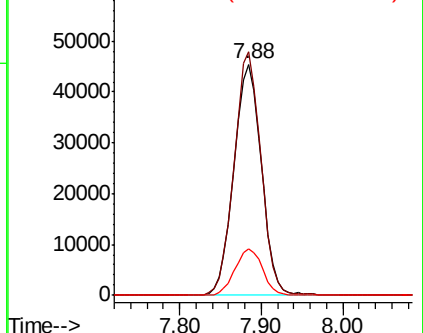
192 20.3 16.1 24.1



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: 4.806 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011689.D

Acq: 04 Aug 2019 03:23

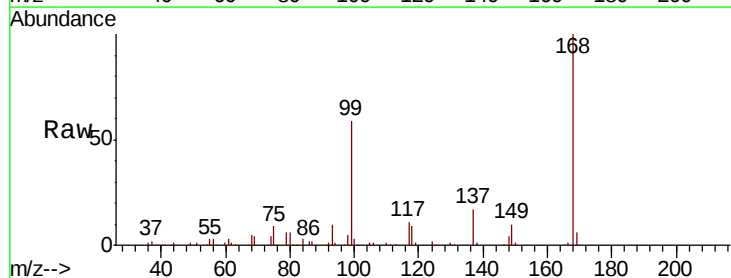
Tgt Ion: 75 Resp: 17171

Ion Ratio Lower Upper

75 100

110 8.7 15.6 46.8#

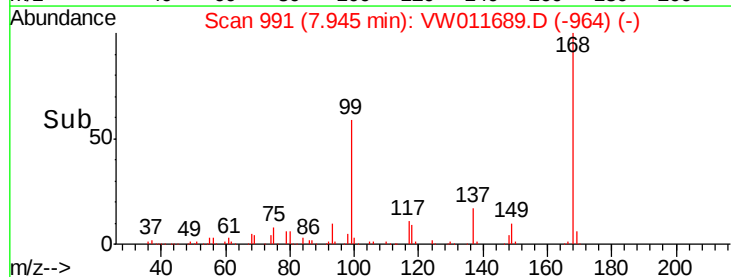
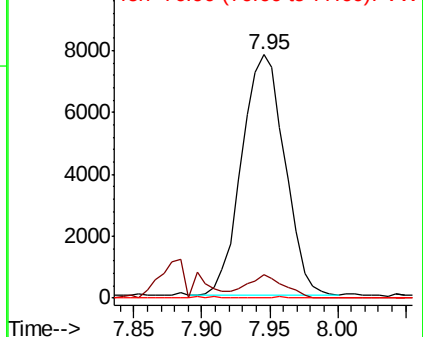
77 0.0 24.3 36.5#

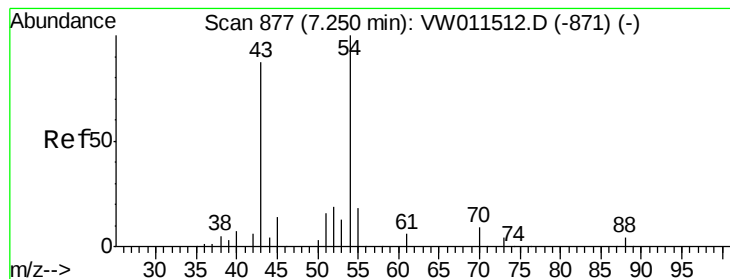


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 3.027 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.11 min

Lab File: VW011689.D

Acq: 04 Aug 2019 03:23

Instrument :

MSVOA_W

ClientSampleId :

1S-B2-(30)

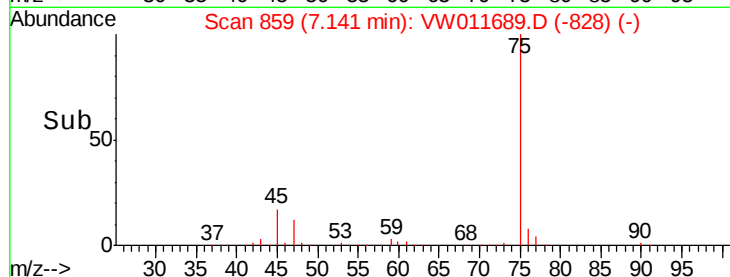
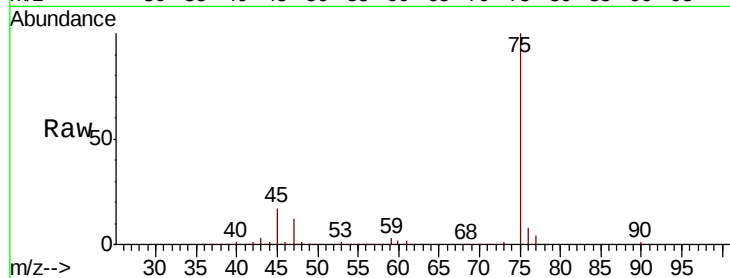
Tot Ion: 43 Resp: 6222

Ion Ratio Lower Upper

43 100

61 70.9 8.8 13.2#

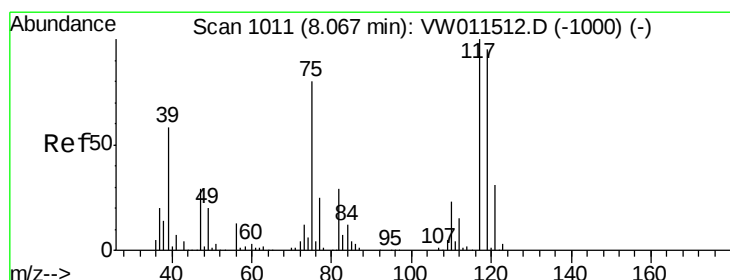
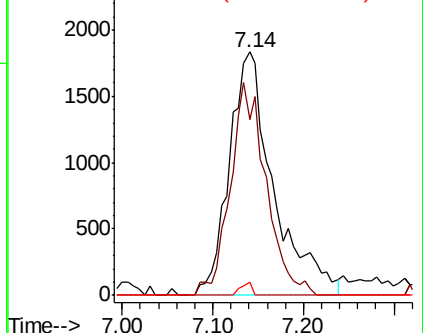
70 1.3 7.1 10.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.790 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011689.D

Acq: 04 Aug 2019 03:23

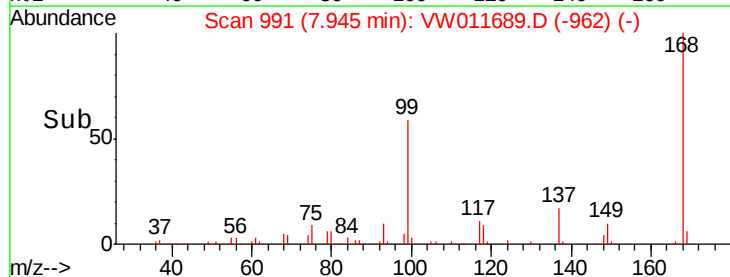
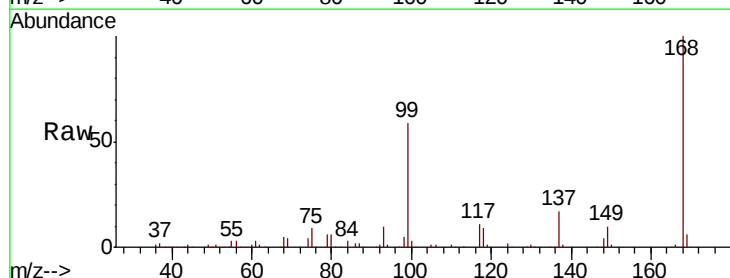
Tgt Ion: 117 Resp: 20769

Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.6#

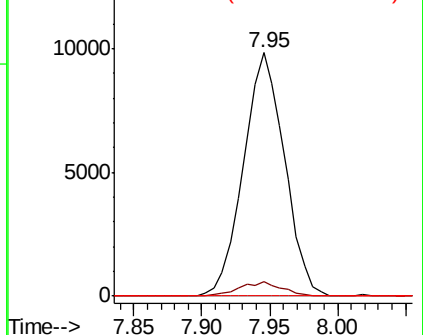
121 0.0 24.7 37.1#

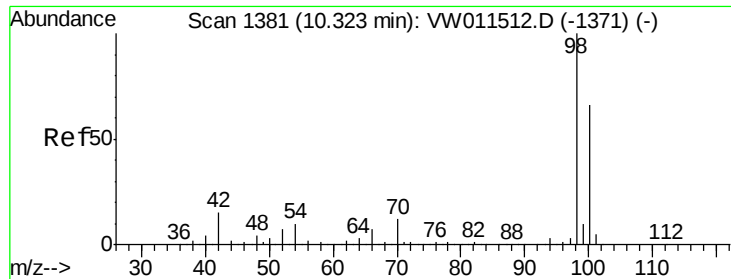


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

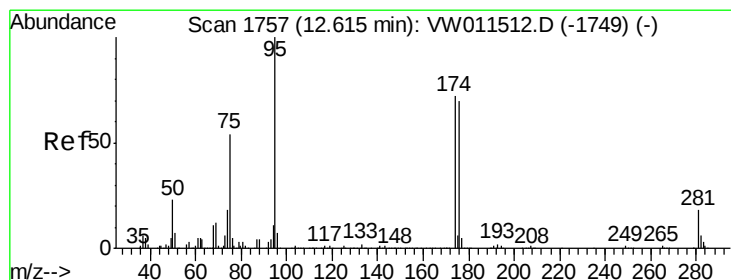
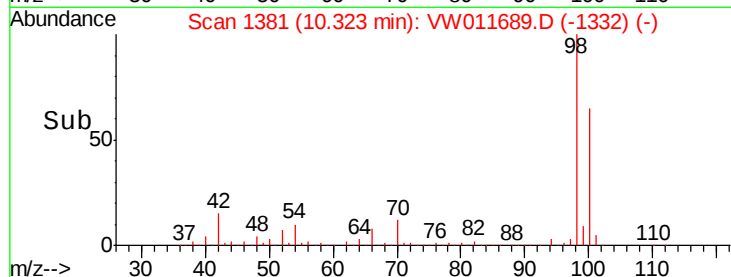
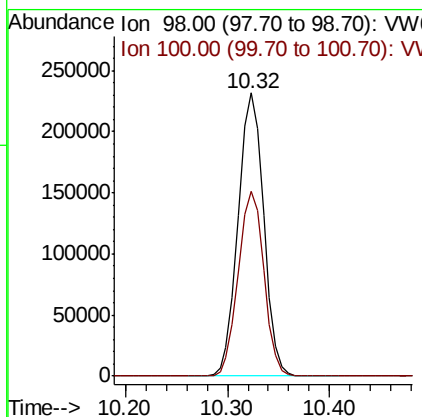
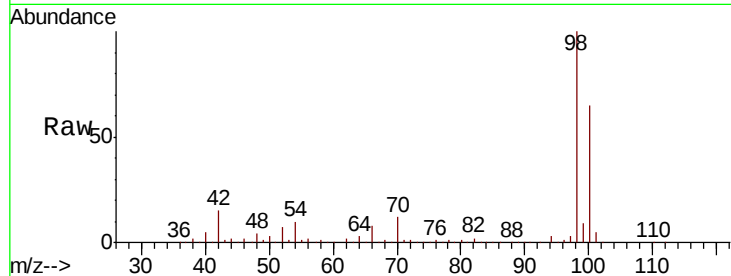




#50
Toluene-d8
Concen: 50.988 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011689.D
Acq: 04 Aug 2019 03:23

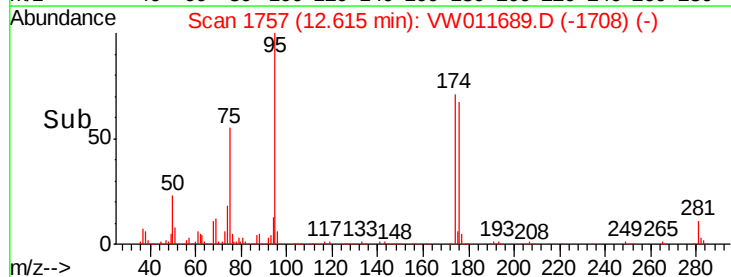
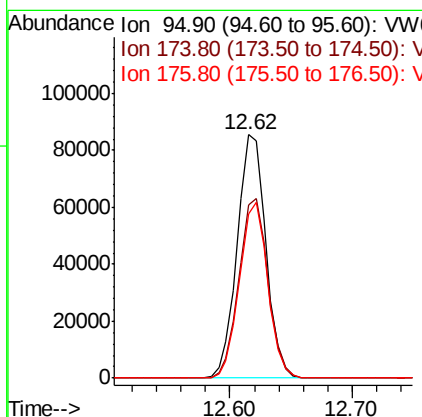
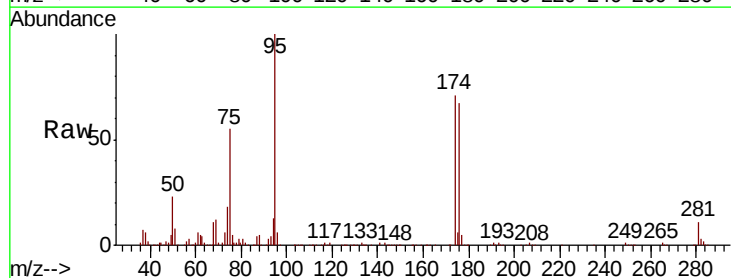
Instrument :
MSVOA_W
ClientSampleId :
1S-B2-(30)

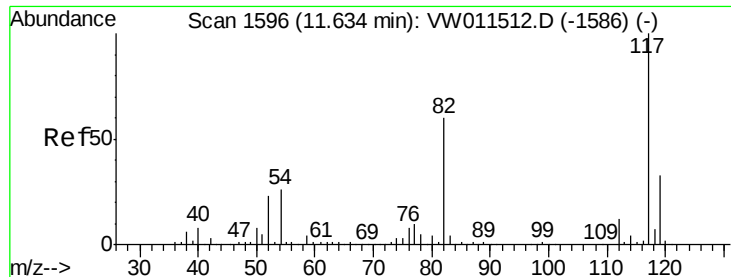
Tot Ion: 98 Resp: 402437
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 49.231 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011689.D
Acq: 04 Aug 2019 03:23

Tgt Ion: 95 Resp: 138533
Ion Ratio Lower Upper
95 100
174 74.9 0.0 150.2
176 71.6 0.0 144.4

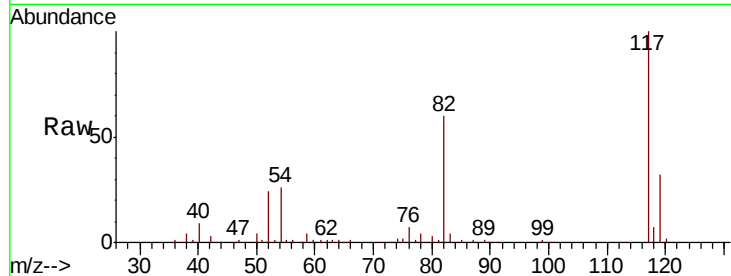




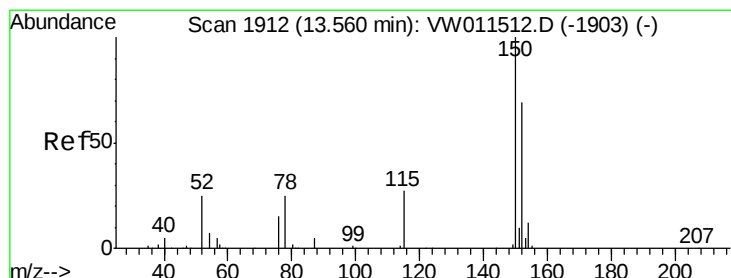
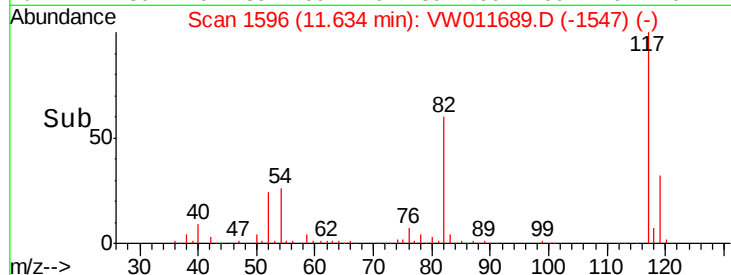
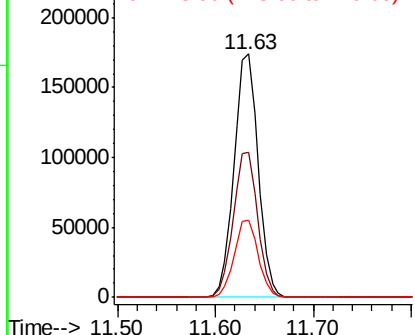
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011689.D
Acq: 04 Aug 2019 03:23

Instrument :
MSVOA_W
ClientSampleId :
1S-B2-(30)

Tot Ion:117 Resp: 297969
Ion Ratio Lower Upper
117 100
82 59.7 47.9 71.9
119 31.9 26.2 39.2

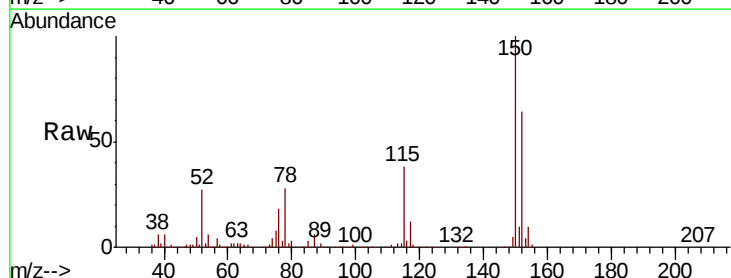


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

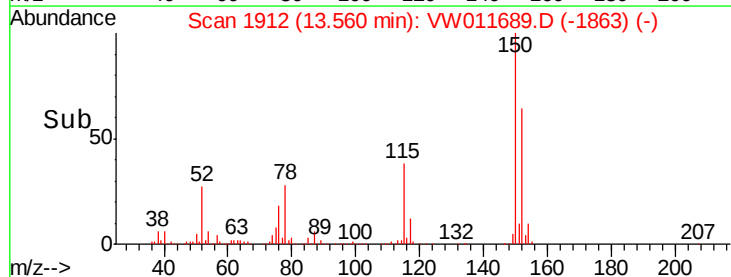
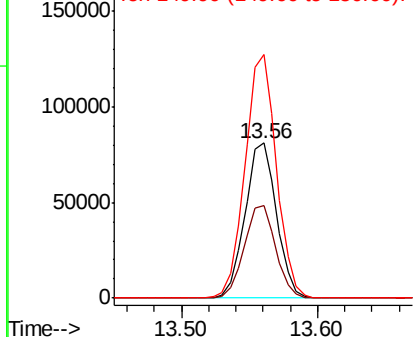


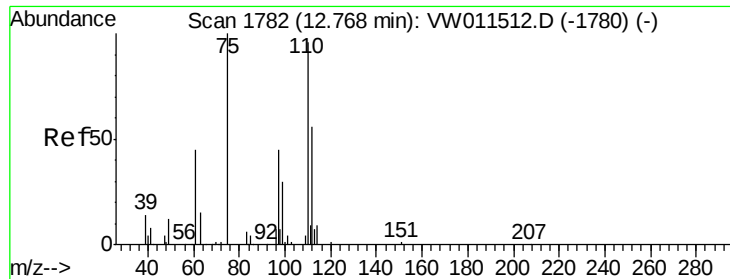
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011689.D
Acq: 04 Aug 2019 03:23

Tgt Ion:152 Resp: 131873
Ion Ratio Lower Upper
152 100
115 59.3 30.5 91.5
150 155.7 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: 53.163 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011689.D

Acq: 04 Aug 2019 03:23

Instrument :

MSVOA_W

ClientSampled :

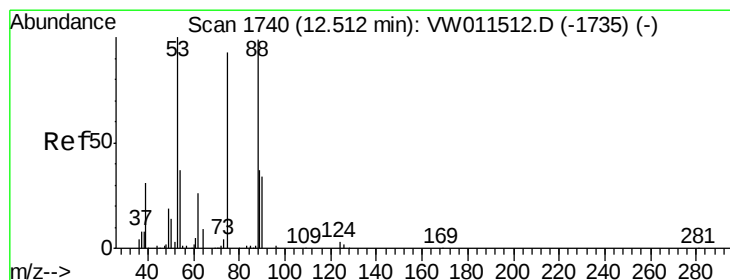
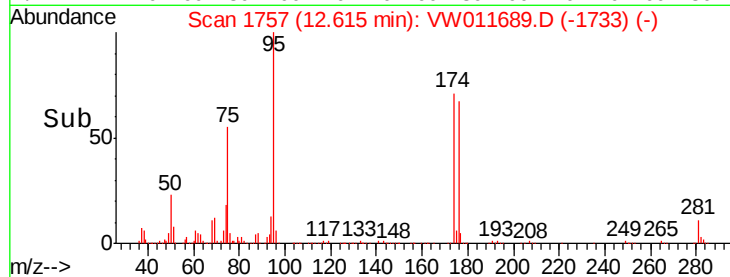
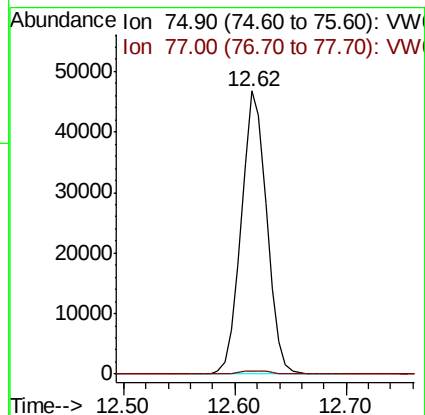
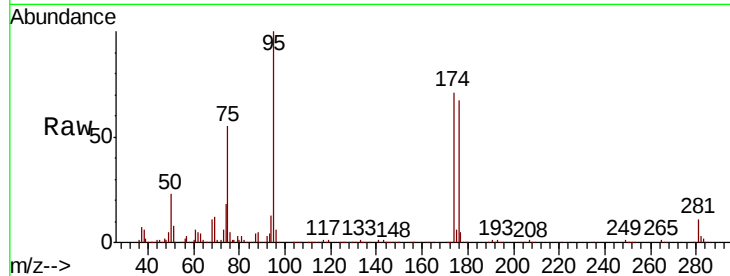
1S-B2-(30)

Tot Ion: 75 Resp: 74182

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 122.522 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011689.D

Acq: 04 Aug 2019 03:23

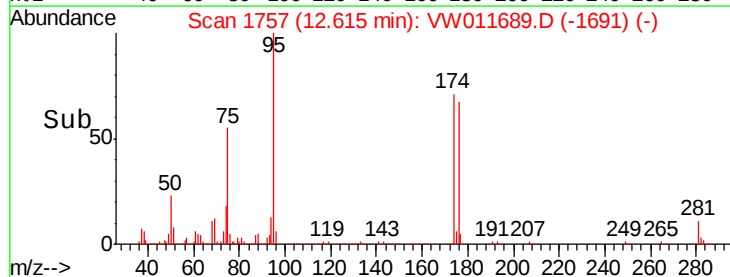
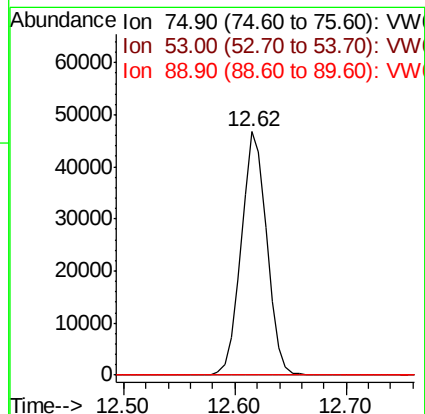
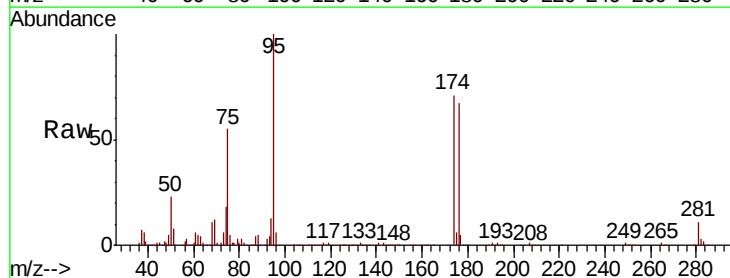
Tgt Ion: 75 Resp: 74182

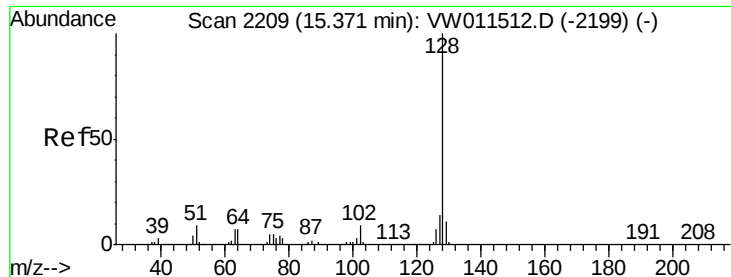
Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.3 35.3 52.9#





#95

Naphthalene

Concen: 2.202 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011689.D

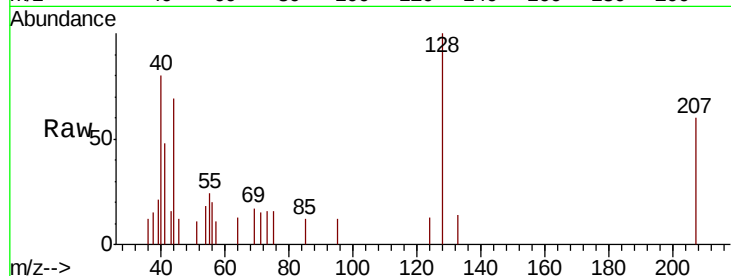
Acq: 04 Aug 2019 03:23

Instrument :

MSVOA_W

ClientSampleId :

1S-B2-(30)



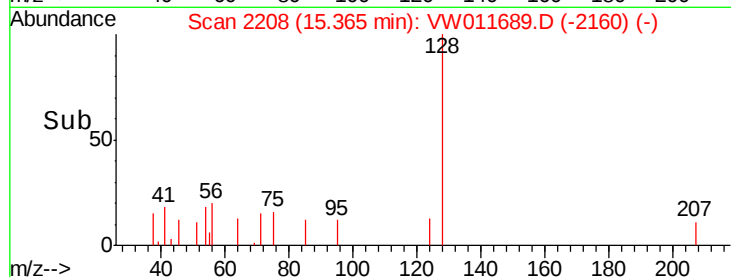
Tot Ion:128 Resp: 738

Ion Ratio Lower Upper

128 100

127 7.5 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

