

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080419\
 Data File : VW011669.D
 Acq On : 03 Aug 2019 16:39
 Operator : SY/VA
 Sample : K4152-09
 Misc : 5.42G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-H3-(30)

Quant Time: Aug 04 01:45:15 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	217437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	367205	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	302400	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	116289	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	144370	57.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.64%	
35) Dibromofluoromethane	7.88	113	112362	54.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.08%	
50) Toluene-d8	10.32	98	451023	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
62) 4-Bromofluorobenzene	12.62	95	137843	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	

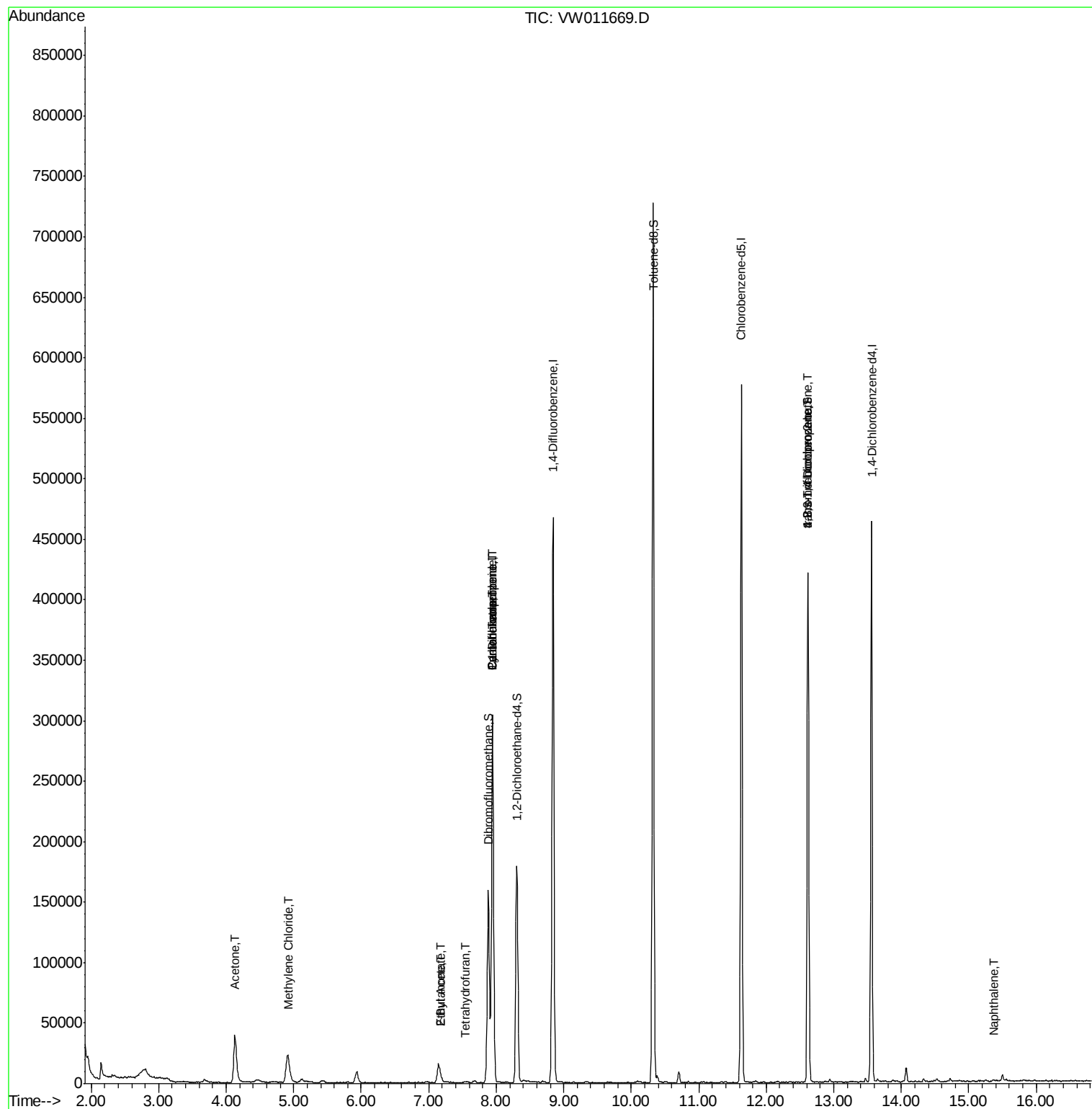
Target Compounds					Qvalue
11) Tert butyl alcohol	5.12	59	3012	Below Cal	# 72
16) Acetone	4.13	43	76923	96.853	ug/l 99
20) Methylene Chloride	4.92	84	18123	6.616	ug/l 93
25) 2-Butanone	7.18	43	6039	5.811	ug/l 92
29) Tetrahydrofuran	7.54	42	631	1.062	ug/l # 69
31) Cyclohexane	7.94	56	5644	1.209	ug/l # 1
36) 1,1-Dichloropropene	7.95	75	18790	4.921	ug/l # 51
37) Ethyl Acetate	7.18	43	6039	2.749	ug/l # 73
38) Carbon Tetrachloride	7.95	117	21937	6.711	ug/l # 17
76) 1,2,3-Trichloropropane	12.62	75	73815	59.989	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.62	75	73815	138.254	ug/l # 6
95) Naphthalene	15.37	128	603	2.192	ug/l # 74

(#) = 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: VW011669.D

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MSVOA_W

ClientSampleId :

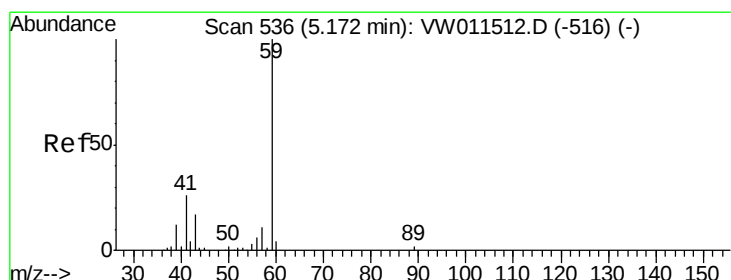
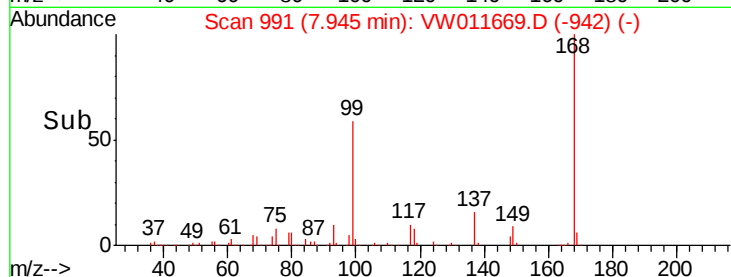
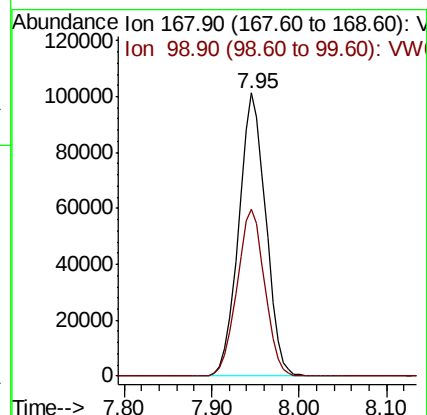
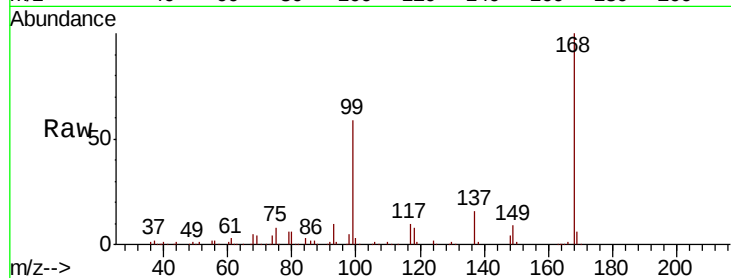
2S-H3-(30)

Tgt Ion:168 Resp: 217437

Ion Ratio Lower Upper

168 100

99 58.8 48.2 72.4



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: VW011669.D

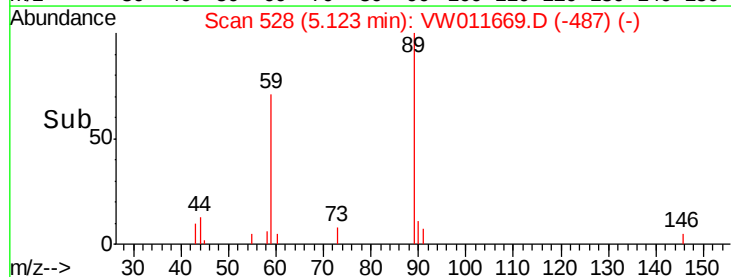
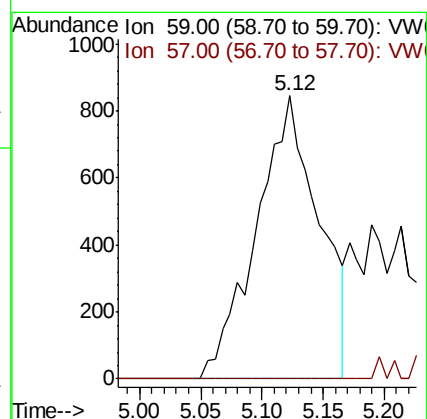
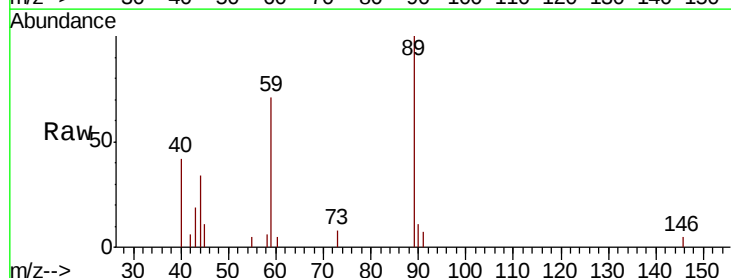
Acq: 03 Aug 2019 16:39

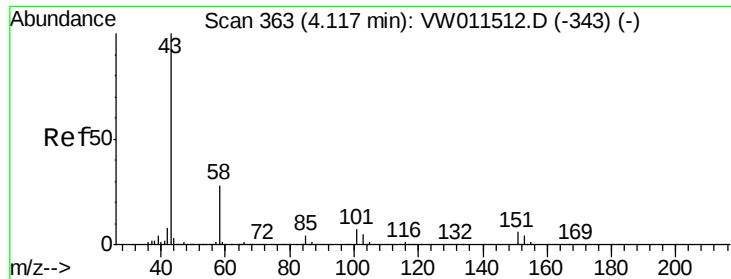
Tgt Ion: 59 Resp: 3012

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

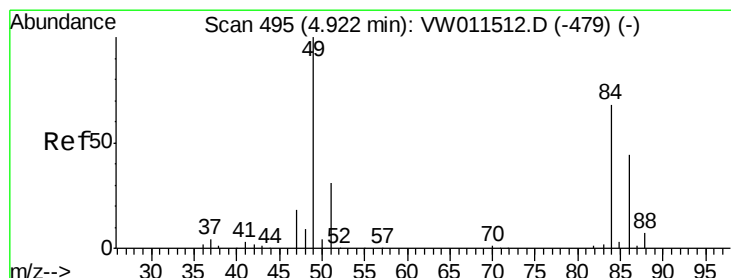
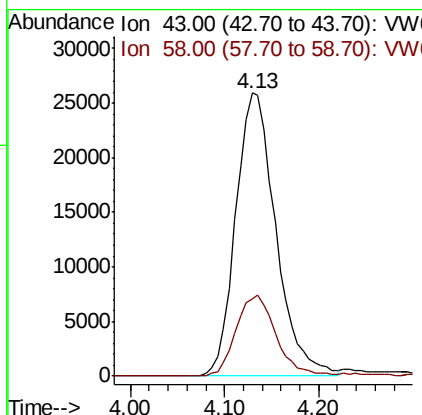
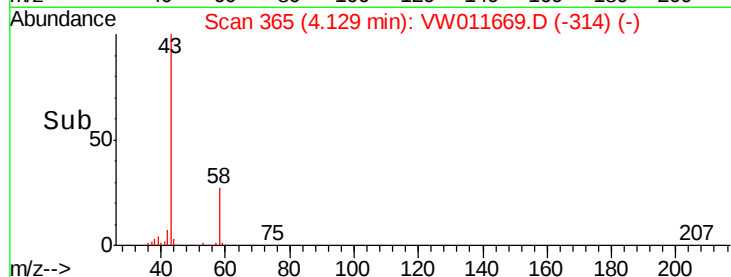
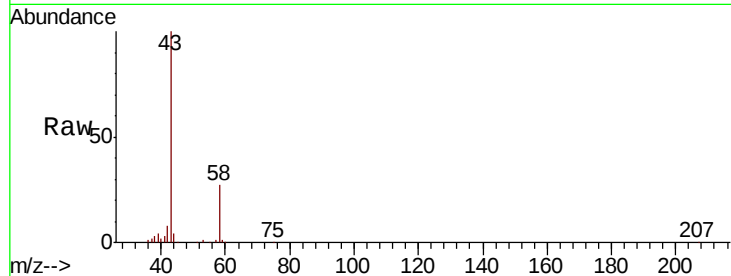




#16
Acetone
Concen: 96.853 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW011669.D
Acq: 03 Aug 2019 16:39

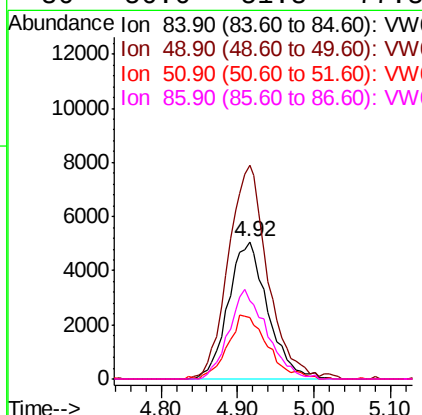
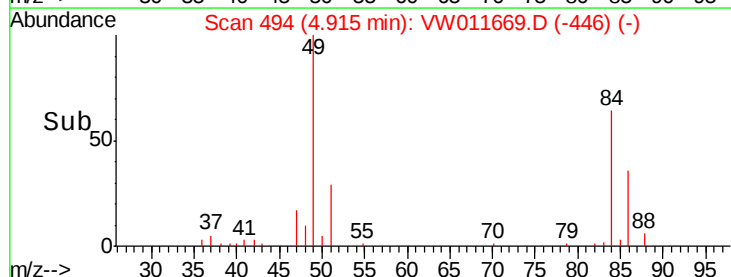
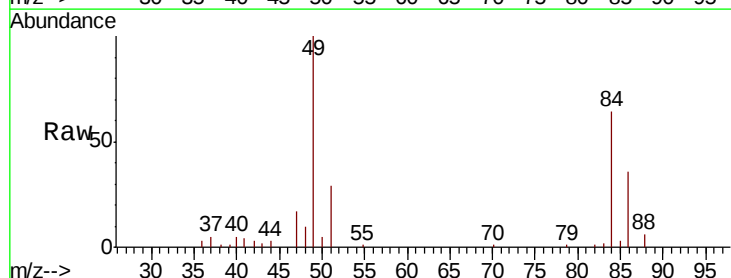
Instrument :
MSVOA_W
ClientSampleId :
2S-H3-(30)

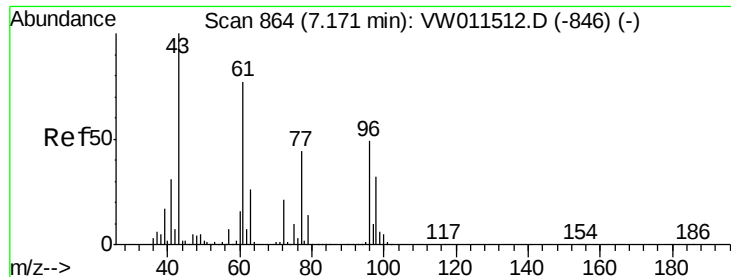
Tgt Ion: 43 Resp: 76923
Ion Ratio Lower Upper
43 100
58 27.2 22.3 33.5



#20
Methylene Chloride
Concen: 6.616 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011669.D
Acq: 03 Aug 2019 16:39

Tgt Ion: 84 Resp: 18123
Ion Ratio Lower Upper
84 100
49 155.4 117.8 176.6
51 44.8 37.0 55.4
86 56.6 51.8 77.8





#25

2-Butanone

Concen: 5.811 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW011669.D

Acq: 03 Aug 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

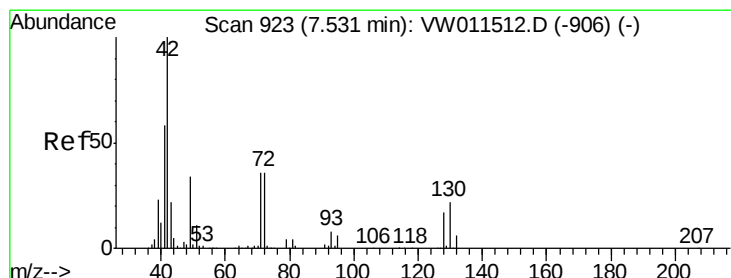
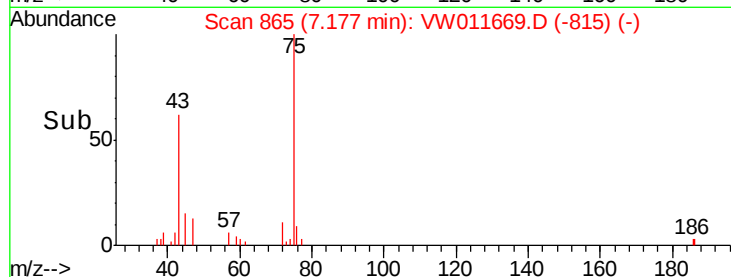
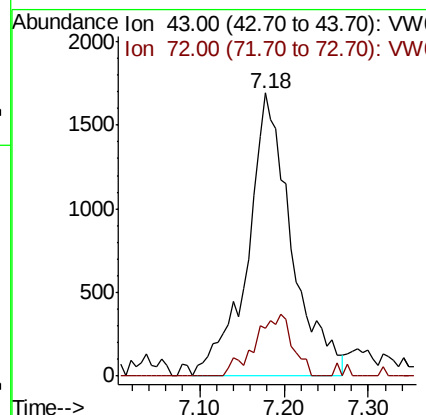
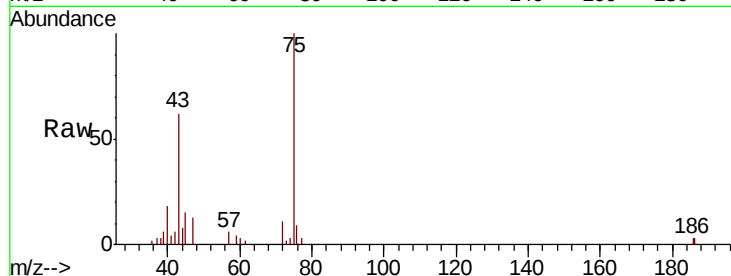
2S-H3-(30)

Tgt Ion: 43 Resp: 6039

Ion Ratio Lower Upper

43 100

72 17.0 16.6 24.8



#29

Tetrahydrofuran

Concen: 1.062 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011669.D

Acq: 03 Aug 2019 16:39

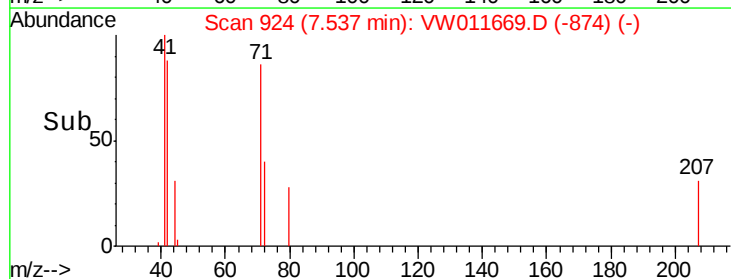
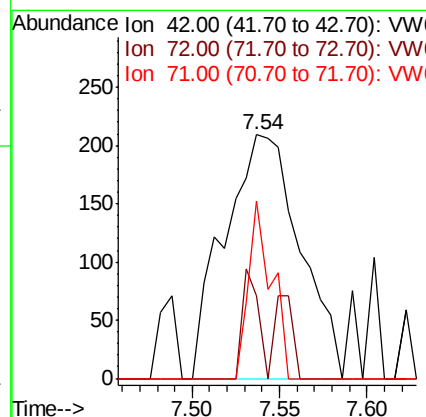
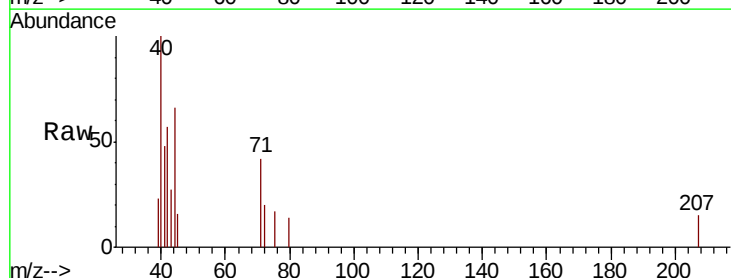
Tgt Ion: 42 Resp: 631

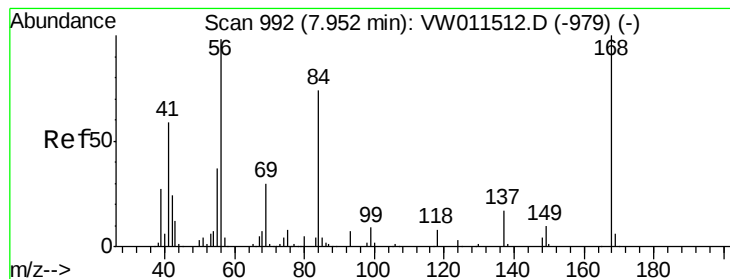
Ion Ratio Lower Upper

42 100

72 9.5 27.1 40.7#

71 22.3 26.2 39.4#





#31

Cyclohexane

Concen: 1.209 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011669.D

Acq: 03 Aug 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

2S-H3-(30)

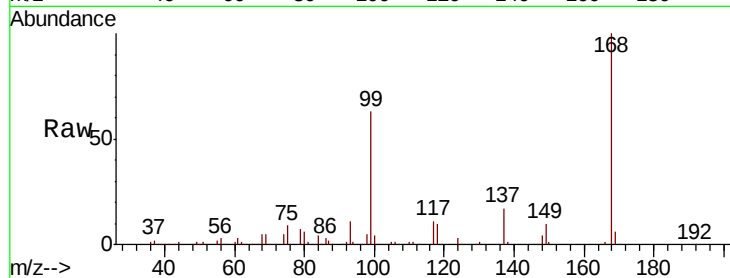
Tgt Ion: 56 Resp: 5644

Ion Ratio Lower Upper

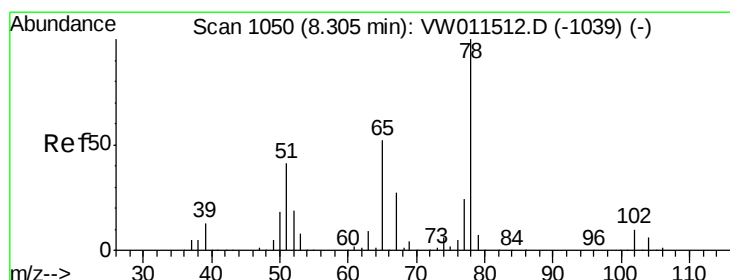
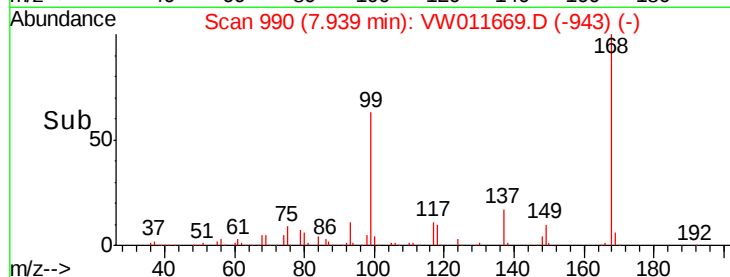
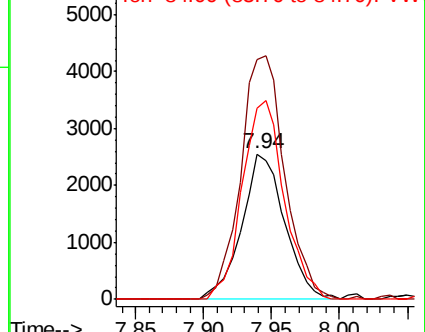
56 100

69 165.2 24.3 36.5#

84 131.4 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: 57.822 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011669.D

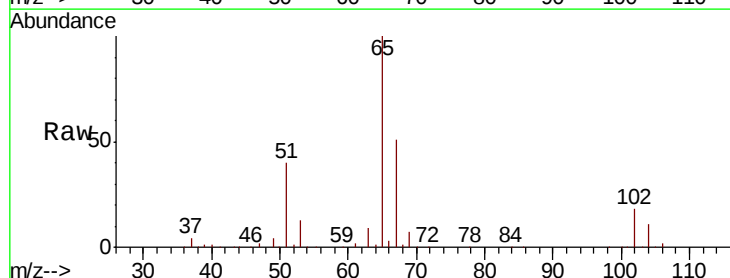
Acq: 03 Aug 2019 16:39

Tgt Ion: 65 Resp: 144370

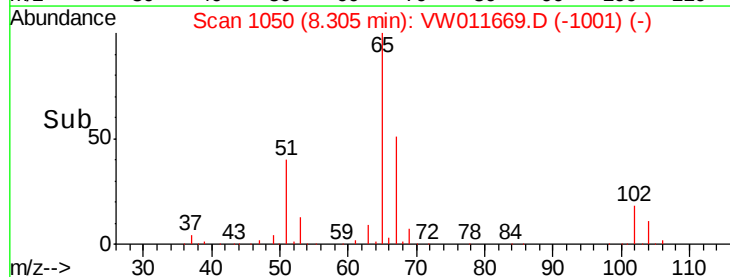
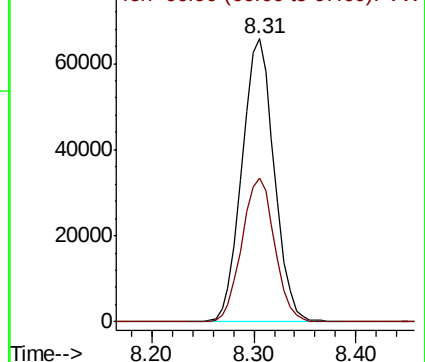
Ion Ratio Lower Upper

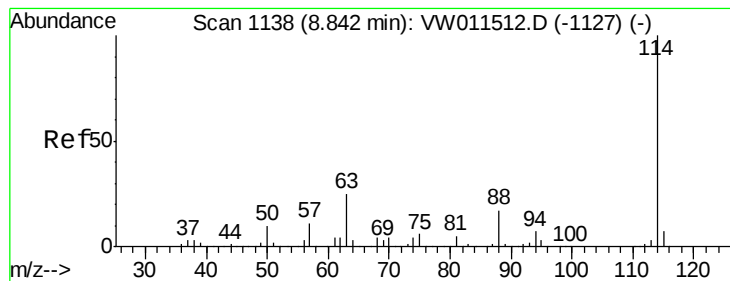
65 100

67 51.6 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: VW011669.D

Acq: 03 Aug 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

2S-H3-(30)

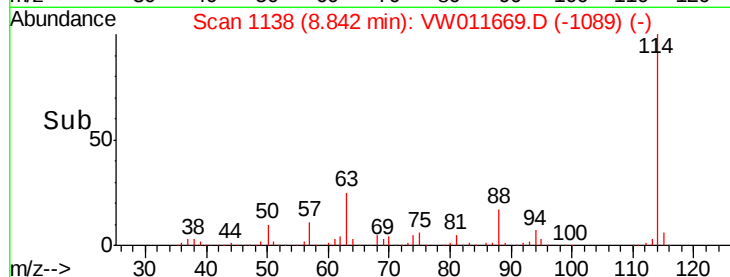
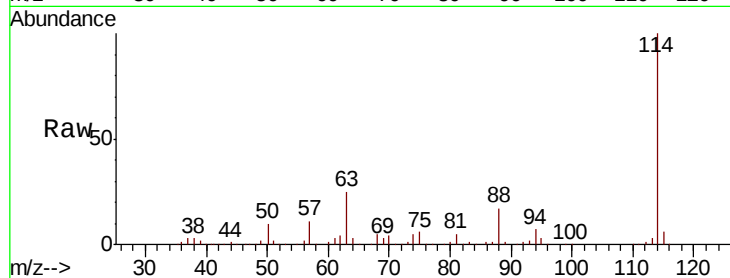
Tgt Ion:114 Resp: 367205

Ion Ratio Lower Upper

114 100

63 24.8 0.0 49.2

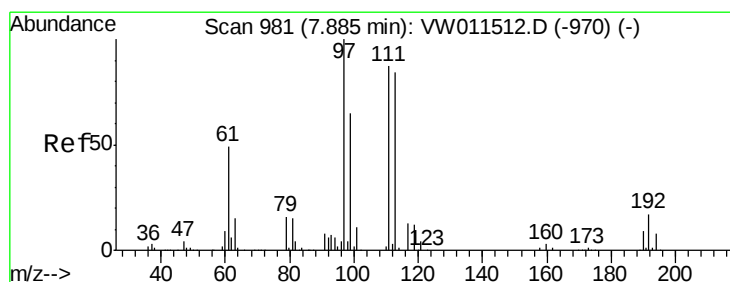
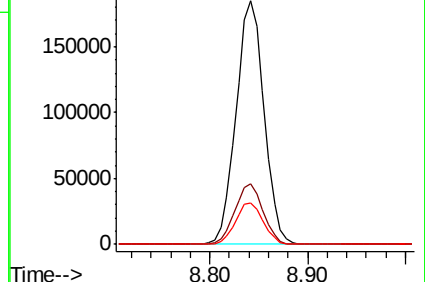
88 17.2 0.0 33.8



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: 54.542 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011669.D

Acq: 03 Aug 2019 16:39

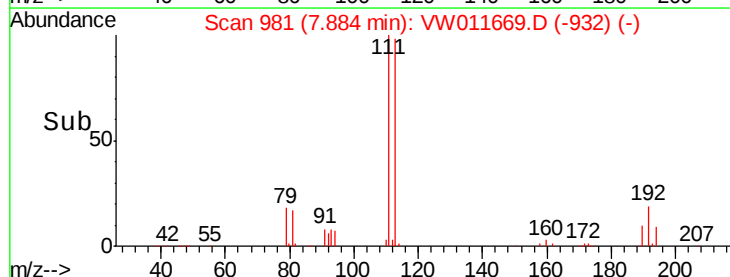
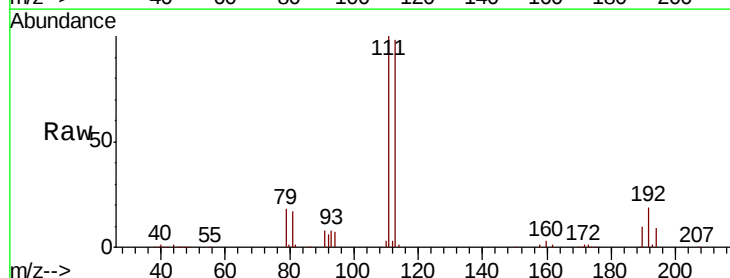
Tgt Ion:113 Resp: 112362

Ion Ratio Lower Upper

113 100

111 103.5 82.7 124.1

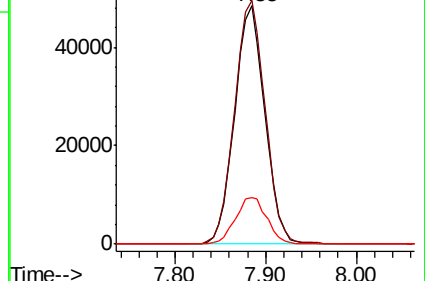
192 20.3 16.1 24.1

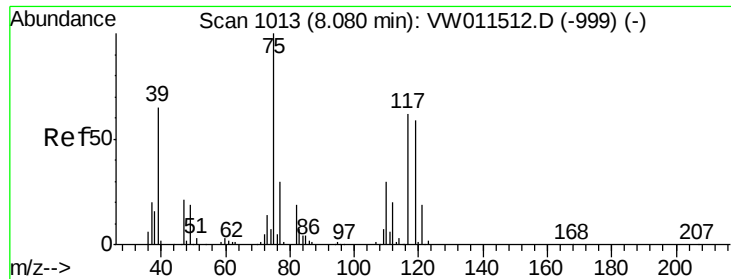


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

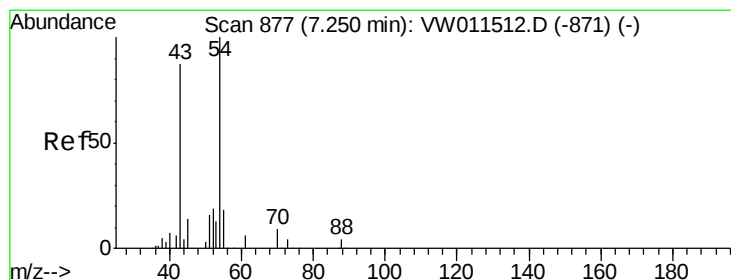
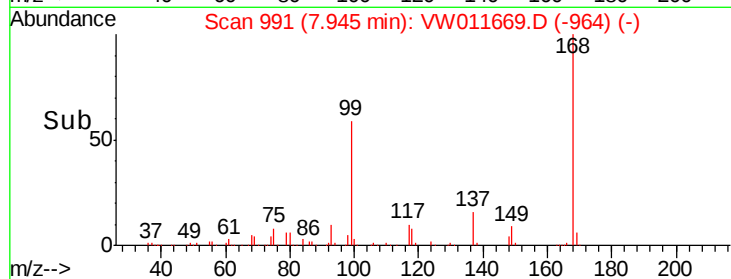
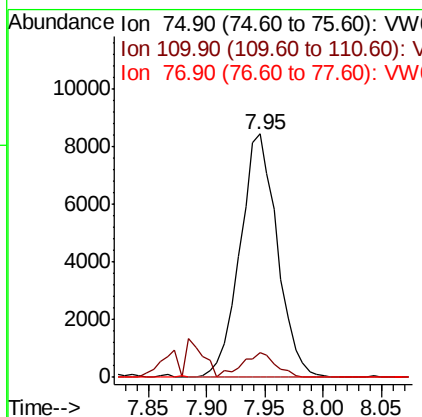
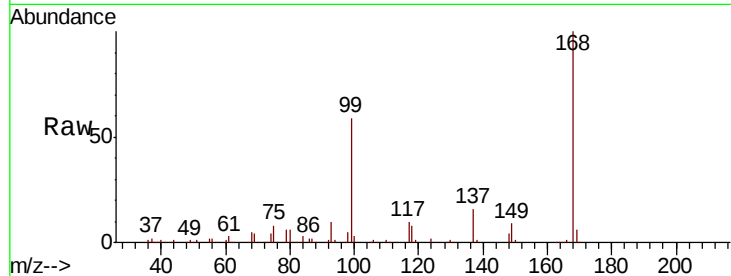




#36
 1,1-Dichloropropene
 Concen: 4.921 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011669.D
 Acq: 03 Aug 2019 16:39

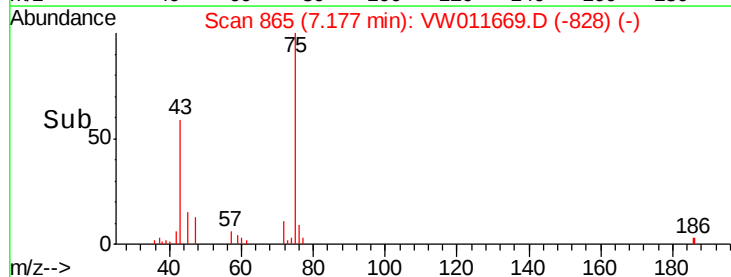
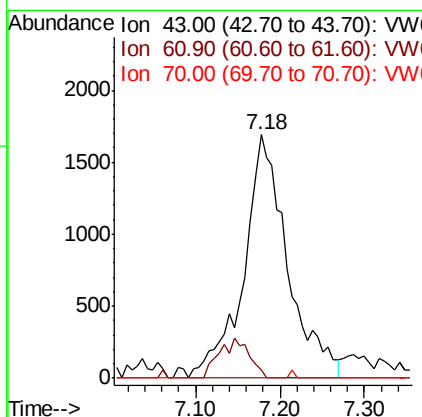
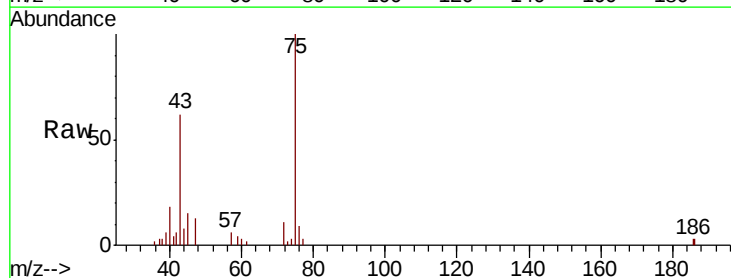
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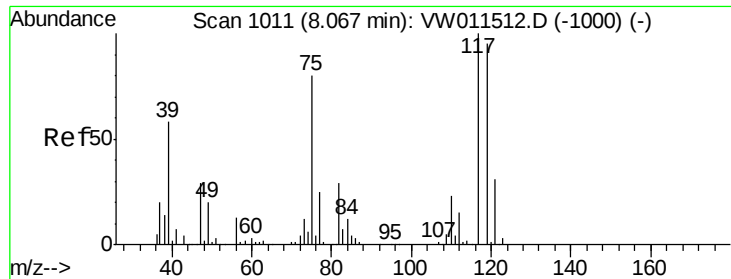
Tgt Ion: 75 Resp: 18790
 Ion Ratio Lower Upper
 75 100
 110 8.3 15.6 46.8#
 77 0.0 24.3 36.5#



#37
 Ethyl Acetate
 Concen: 2.749 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW011669.D
 Acq: 03 Aug 2019 16:39

Tgt Ion: 43 Resp: 6039
 Ion Ratio Lower Upper
 43 100
 61 0.0 8.8 13.2#
 70 0.0 7.1 10.7#

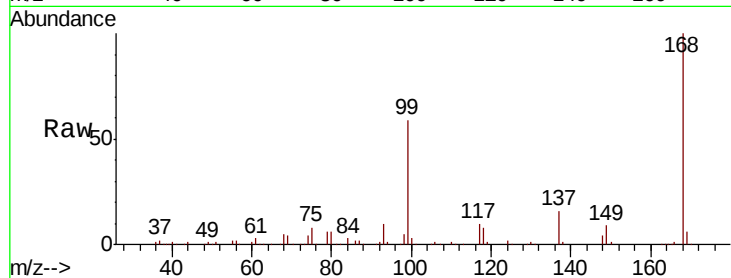




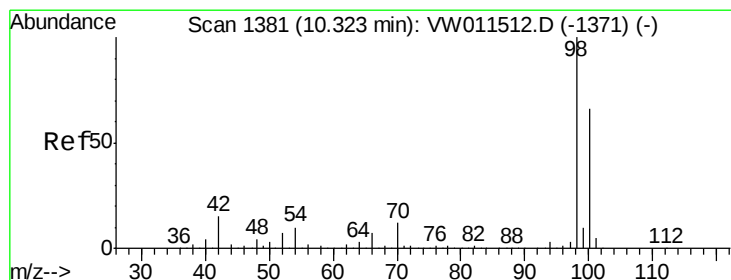
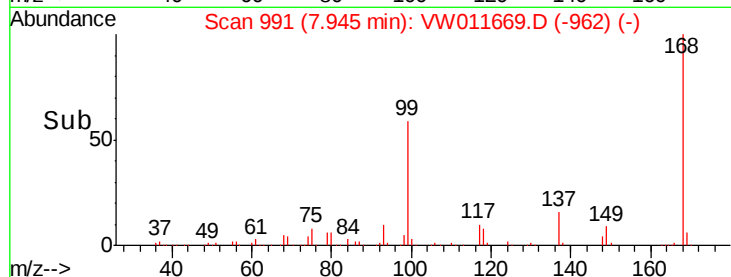
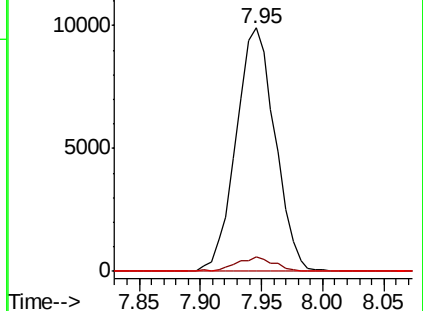
#38
Carbon Tetrachloride
Concen: 6.711 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011669.D
Acq: 03 Aug 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
2S-H3-(30)

Tgt Ion: 117 Resp: 21937
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.6#
121 0.0 24.7 37.1#

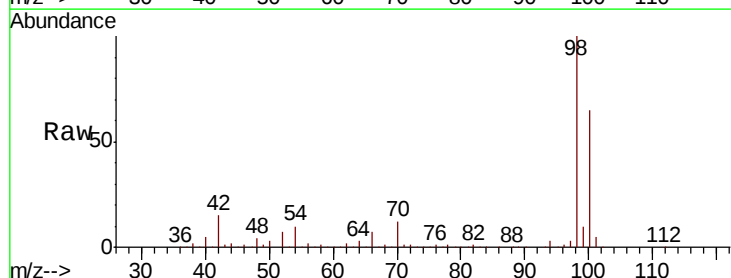


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

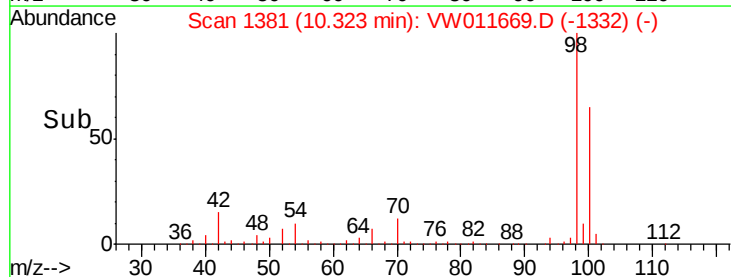
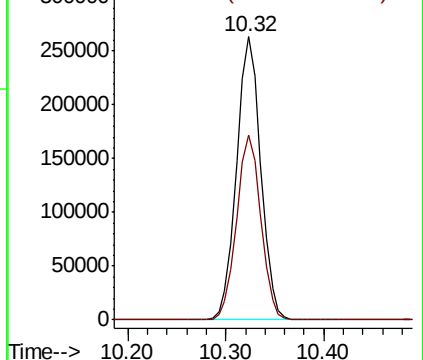


#50
Toluene-d8
Concen: 53.473 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011669.D
Acq: 03 Aug 2019 16:39

Tgt Ion: 98 Resp: 451023
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.839 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011669.D

Acq: 03 Aug 2019 16:39

Instrument :

MSVOA_W

ClientSampled :

2S-H3-(30)

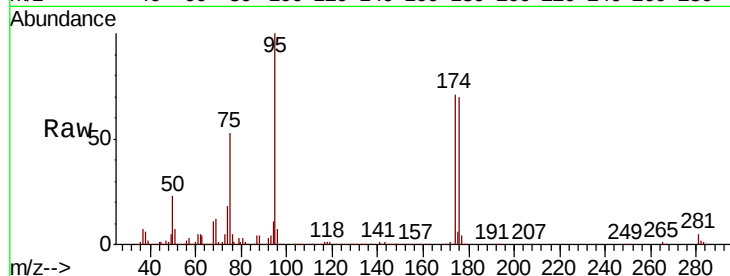
Tgt Ion: 95 Resp: 137843

Ion Ratio Lower Upper

95 100

174 76.1 0.0 150.2

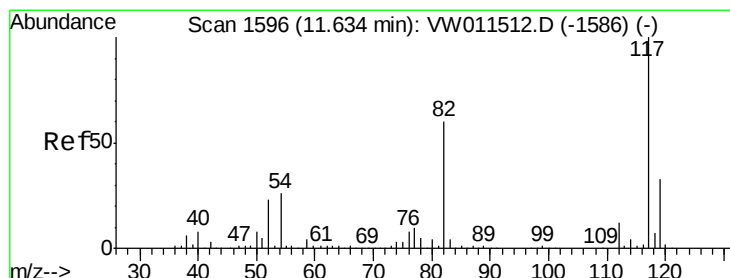
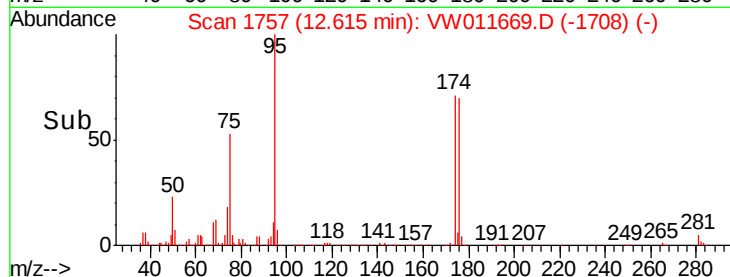
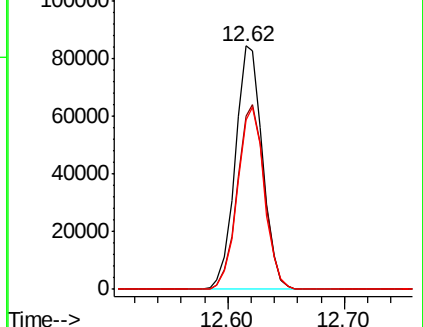
176 73.8 0.0 144.4



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# 1596

Delta R.T. -0.00 min

Lab File: VW011669.D

Acq: 03 Aug 2019 16:39

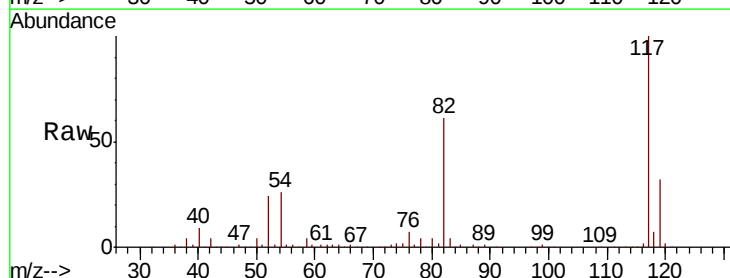
Tgt Ion: 117 Resp: 302400

Ion Ratio Lower Upper

117 100

82 60.6 47.9 71.9

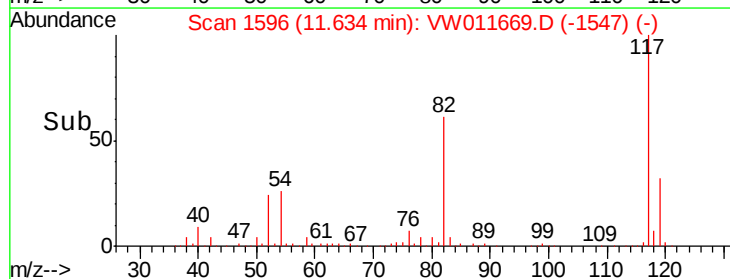
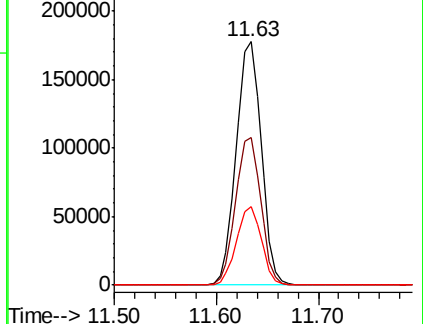
119 32.2 26.2 39.2

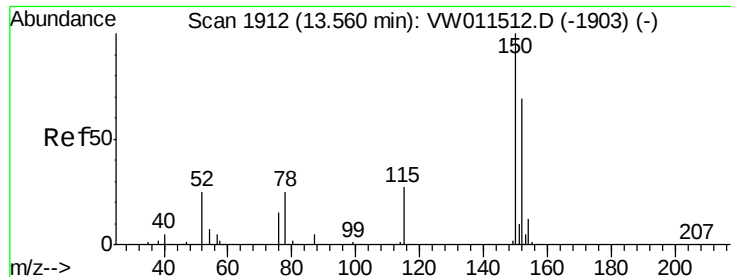


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW011669.D

Acq: 03 Aug 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

2S-H3-(30)

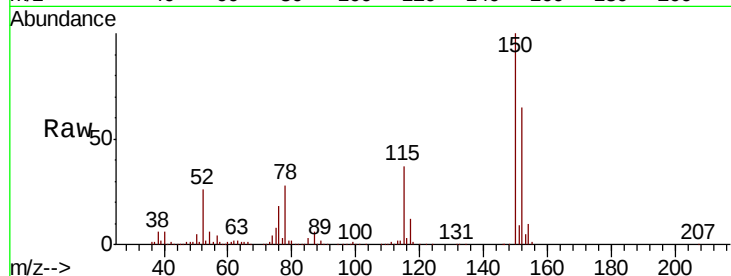
Tgt Ion:152 Resp: 116289

Ion Ratio Lower Upper

152 100

115 60.8 30.5 91.5

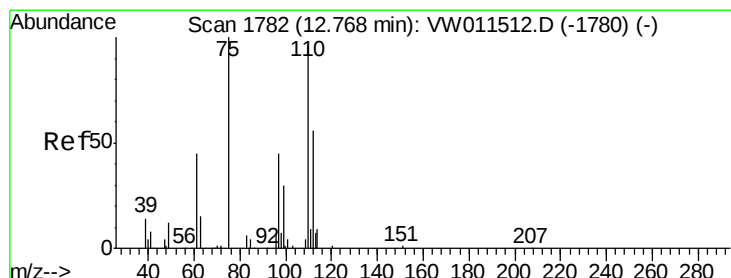
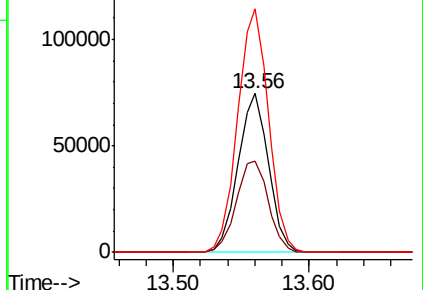
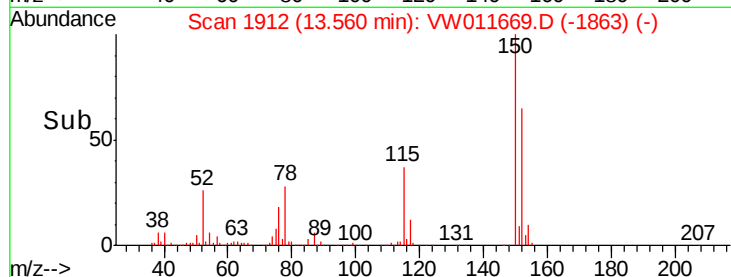
150 155.9 0.0 352.6



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: 59.989 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011669.D

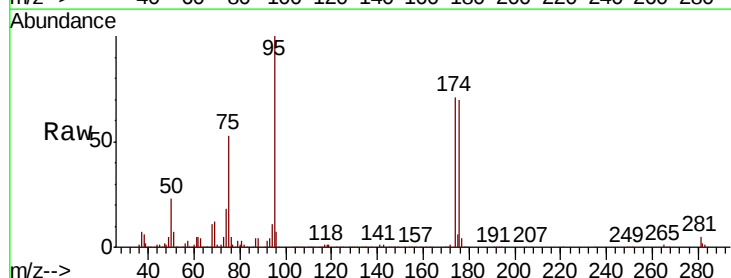
Acq: 03 Aug 2019 16:39

Tgt Ion: 75 Resp: 73815

Ion Ratio Lower Upper

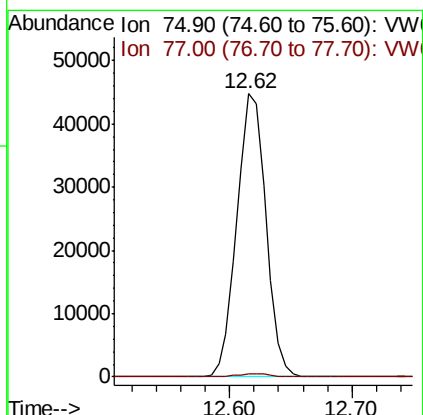
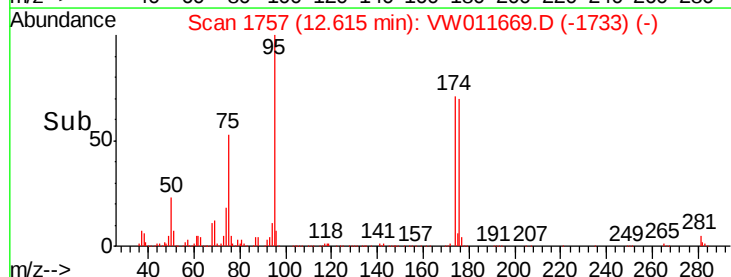
75 100

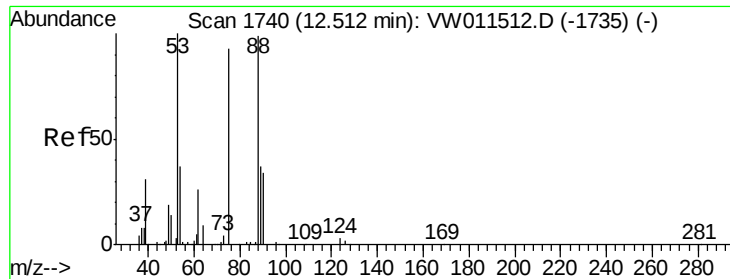
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

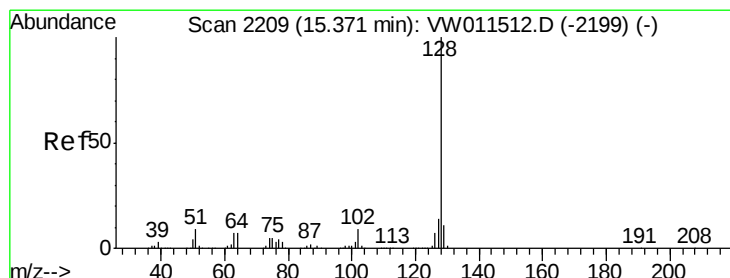
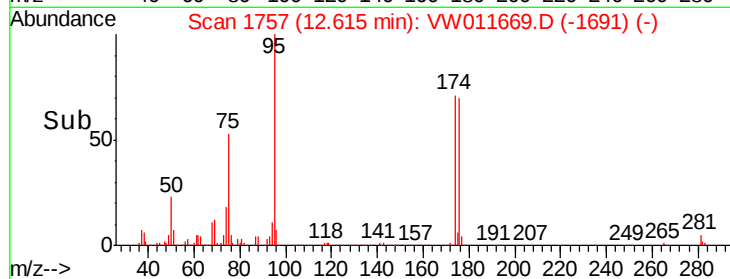
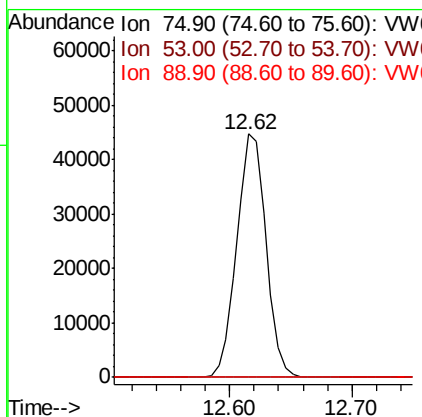
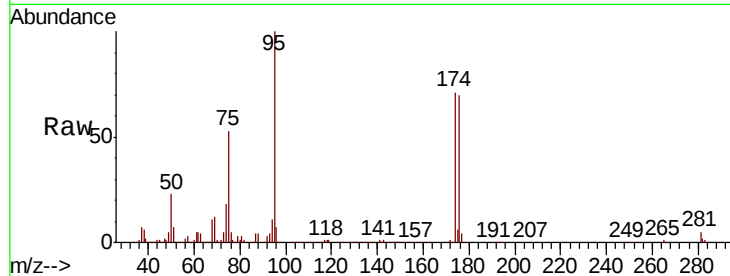




#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.254 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011669.D
 Acq: 03 Aug 2019 16:39

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-H3-(30)

Tgt Ion: 75 Resp: 73815
 Ion Ratio Lower Upper
 75 100
 53 0.2 88.0 132.0#
 89 0.0 35.3 52.9#



#95
 Naphthalene
 Concen: 2.192 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW011669.D
 Acq: 03 Aug 2019 16:39

Tgt Ion: 128 Resp: 603
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 16.0#
 129 4.0 8.6 13.0#

