

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080819\
 Data File : VW011752.D
 Acq On : 07 Aug 2019 15:39
 Operator : SY/VA
 Sample : K4208-02
 Misc : 3.86G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-02(0-2)

Quant Time: Aug 08 08:41:00 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	210367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	350135	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	264082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	79013	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	140973	58.36	ug/l	0.00
Spiked Amount	50.000			Recovery	=	116.72%	
35) Dibromofluoromethane		7.88	113	111622	56.82	ug/l	0.00
Spiked Amount	50.000			Recovery	=	113.64%	
50) Toluene-d8		10.32	98	424574	52.79	ug/l	0.00
Spiked Amount	50.000			Recovery	=	105.58%	
62) 4-Bromofluorobenzene		12.62	95	107076	37.34	ug/l	0.00
Spiked Amount	50.000			Recovery	=	74.68%	

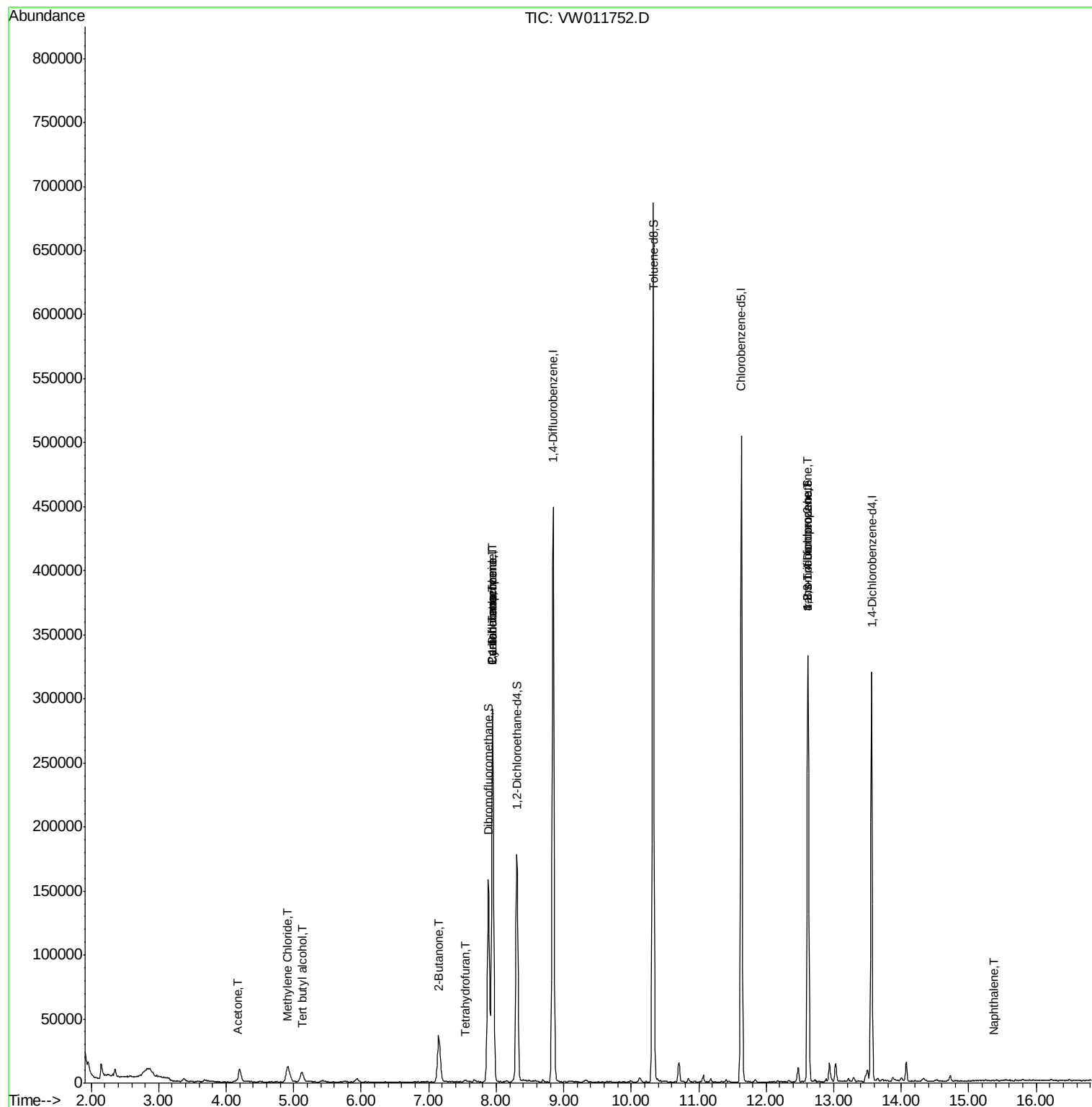
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	7289	24.827	ug/l #	73
16) Acetone	4.16	43	2191	2.851	ug/l	98
20) Methylene Chloride	4.91	84	9091	3.431	ug/l	92
25) 2-Butanone	7.14	43	2470	2.457	ug/l #	78
29) Tetrahydrofuran	7.54	42	1230	2.140	ug/l #	75
31) Cyclohexane	7.95	56	5523	1.223	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18825	5.171	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21502	6.899	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	58158	69.563	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	58158	160.319	ug/l #	6
95) Naphthalene	15.36	128	176	2.120	ug/l #	84

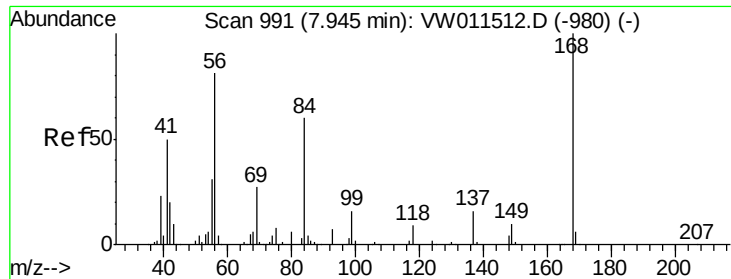
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011752.D

Acq: 07 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

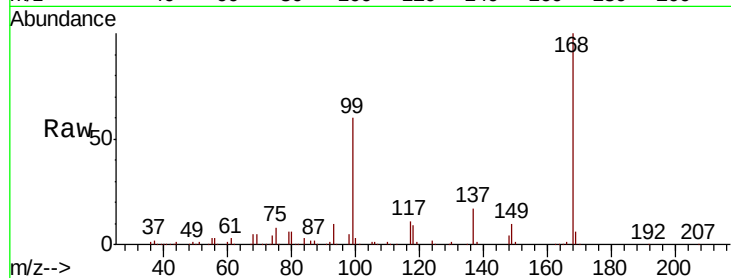
SB-02(0-2)

Tgt Ion:168 Resp: 210367

Ion Ratio Lower Upper

168 100

99 60.4 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

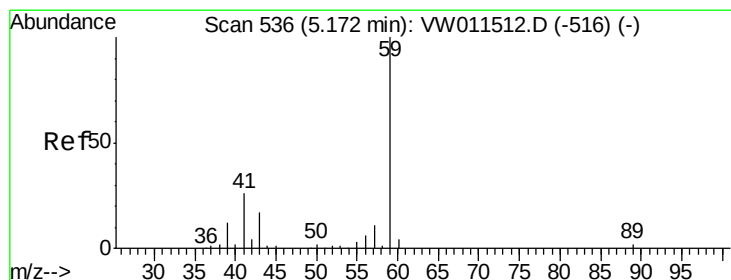
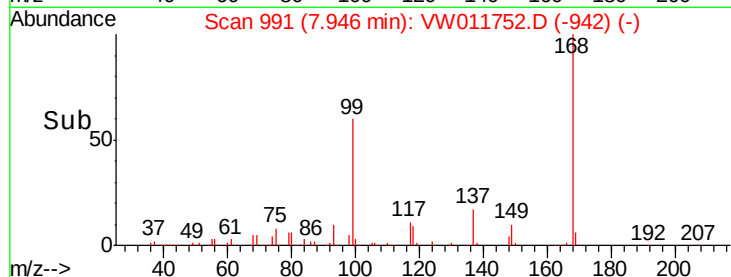
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 24.827 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: VW011752.D

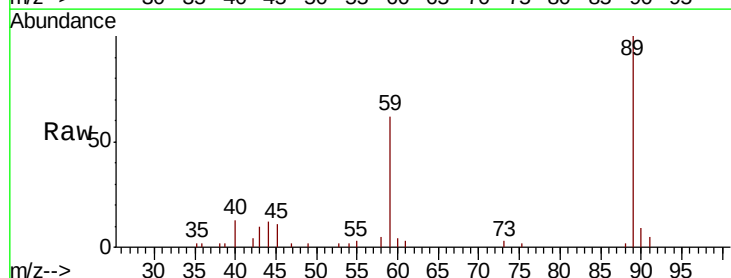
Acq: 07 Aug 2019 15:39

Tgt Ion: 59 Resp: 7289

Ion Ratio Lower Upper

59 100

57 0.3 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

2000

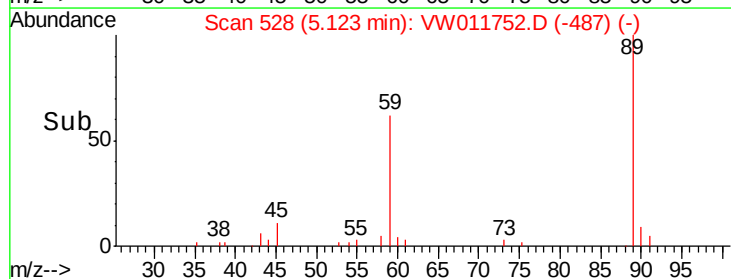
1500

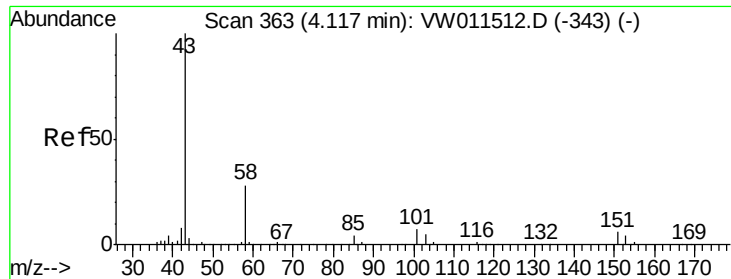
1000

500

0

Time-->





#16

Acetone

Concen: 2.851 ug/l

RT: 4.16 min Scan# 370

Delta R.T. 0.04 min

Lab File: VW011752.D

Acq: 07 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

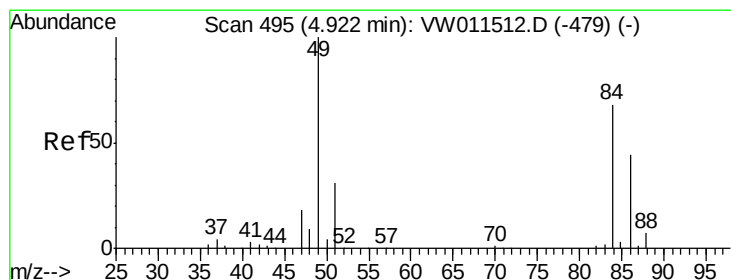
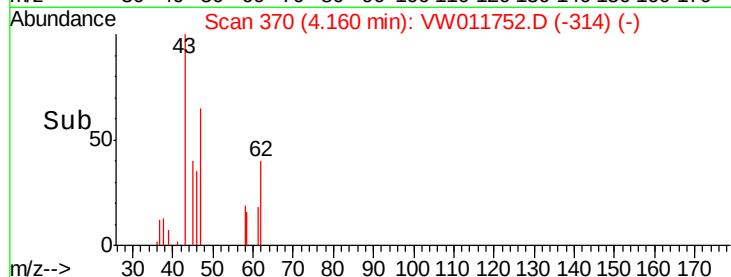
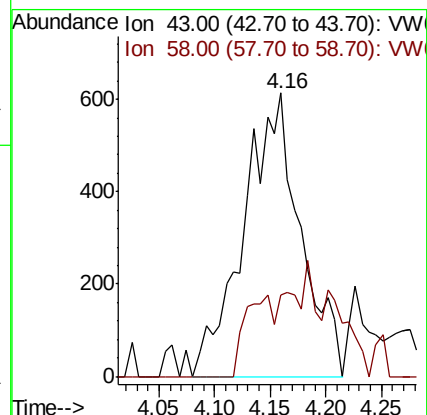
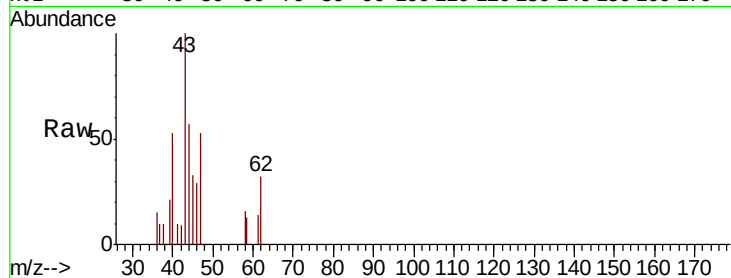
SB-02(0-2)

Tgt Ion: 43 Resp: 2191

Ion Ratio Lower Upper

43 100

58 28.9 22.3 33.5



#20

Methylene Chloride

Concen: 3.431 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011752.D

Acq: 07 Aug 2019 15:39

Tgt Ion: 84 Resp: 9091

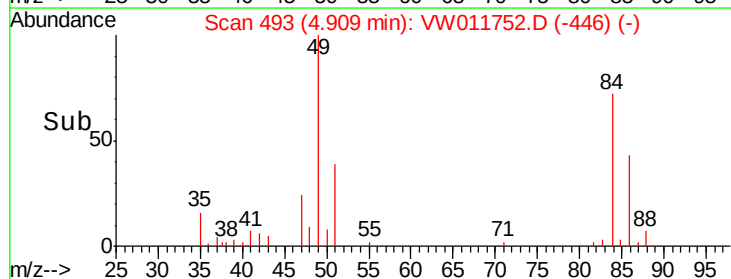
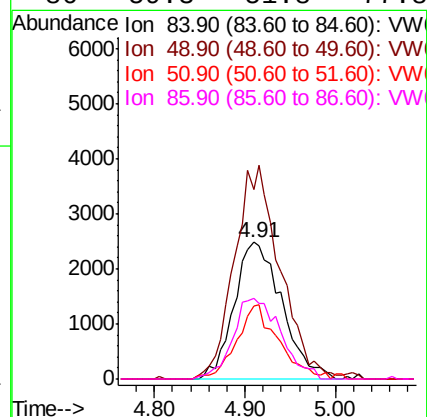
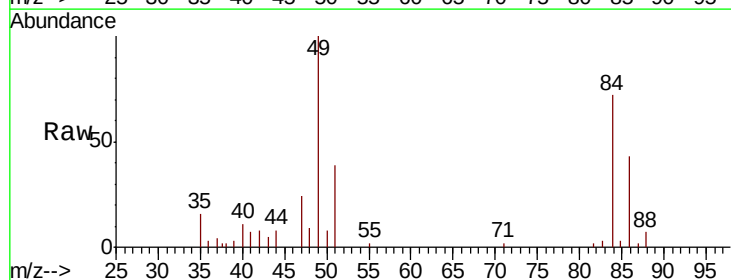
Ion Ratio Lower Upper

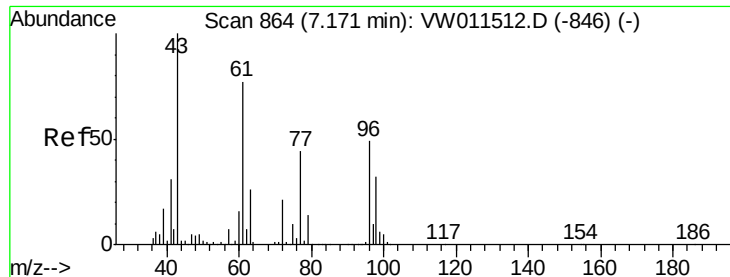
84 100

49 138.2 117.8 176.6

51 53.7 37.0 55.4

86 59.3 51.8 77.8

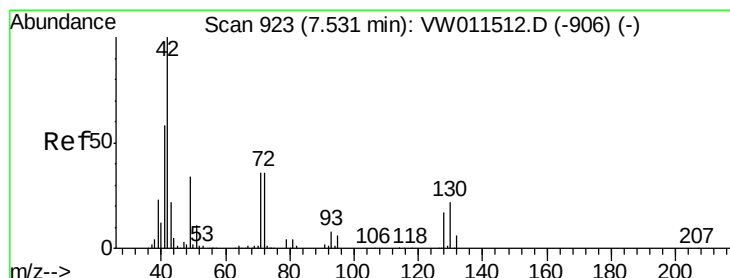
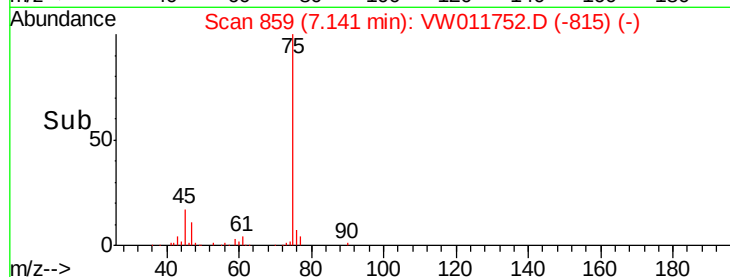
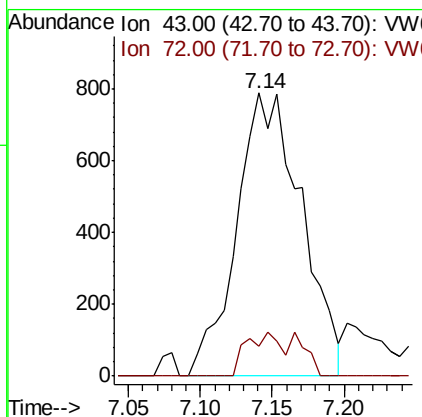
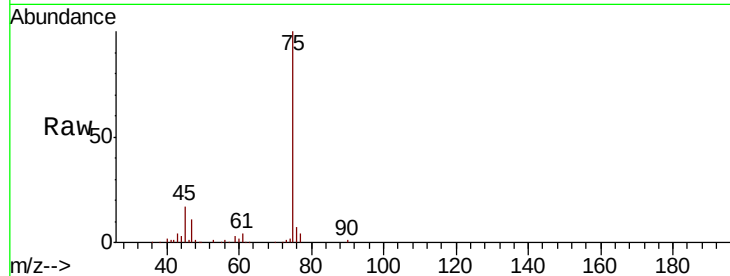




#25
 2-Butanone
 Concen: 2.457 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.03 min
 Lab File: VW011752.D
 Acq: 07 Aug 2019 15:39

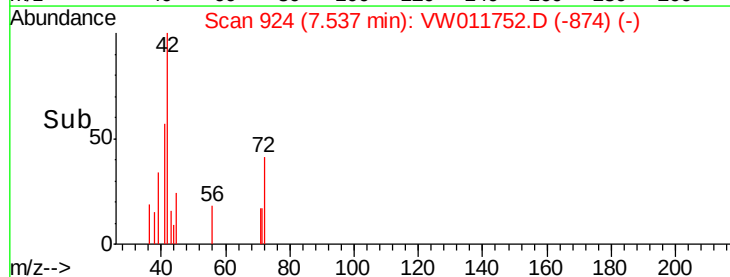
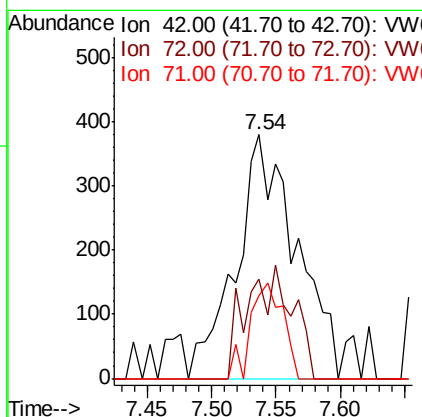
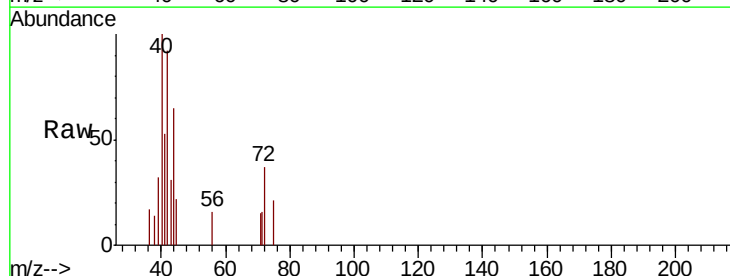
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-02(0-2)

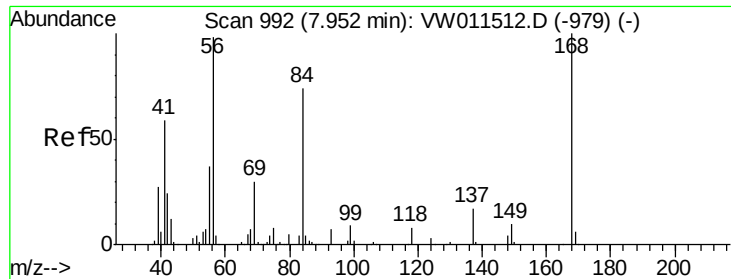
Tgt Ion: 43 Resp: 2470
 Ion Ratio Lower Upper
 43 100
 72 10.7 16.6 24.8#



#29
 Tetrahydrofuran
 Concen: 2.140 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW011752.D
 Acq: 07 Aug 2019 15:39

Tgt Ion: 42 Resp: 1230
 Ion Ratio Lower Upper
 42 100
 72 17.8 27.1 40.7#
 71 21.1 26.2 39.4#

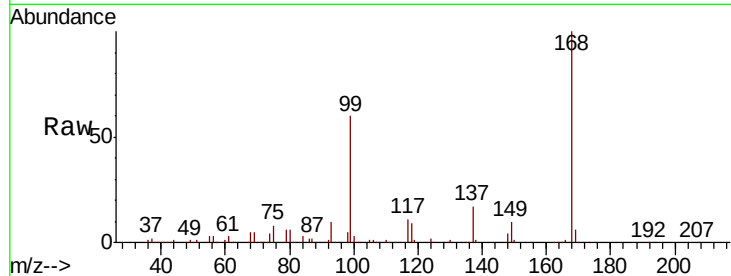




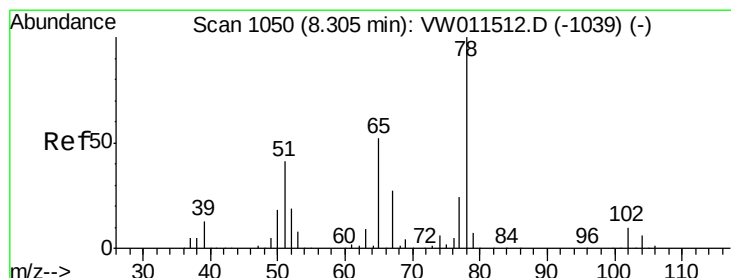
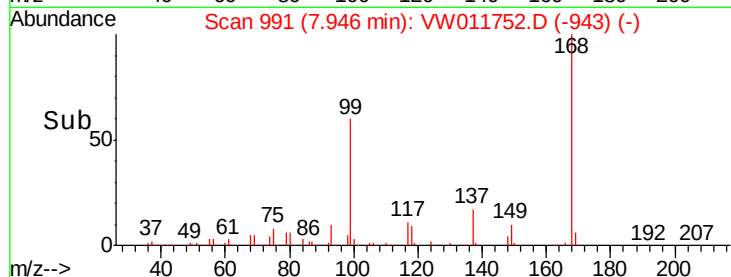
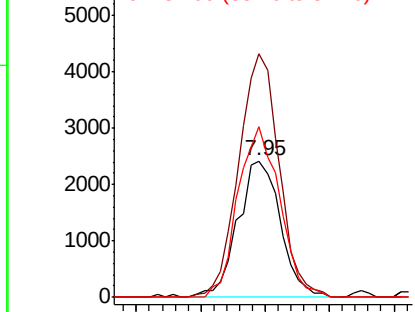
#31
Cyclohexane
Concen: 1.223 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011752.D
Acq: 07 Aug 2019 15:39

Instrument :
MSVOA_W
ClientSampled :
SB-02(0-2)

Tgt Ion: 56 Resp: 5523
Ion Ratio Lower Upper
56 100
69 178.8 24.3 36.5#
84 125.7 60.4 90.6#

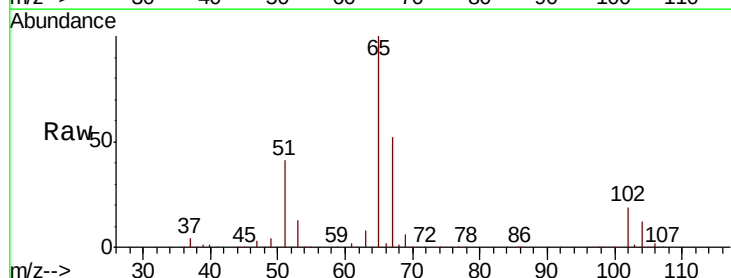


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

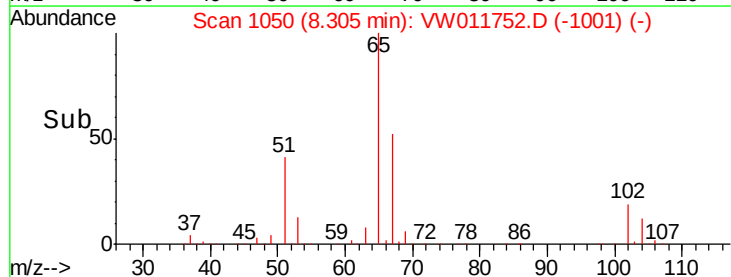
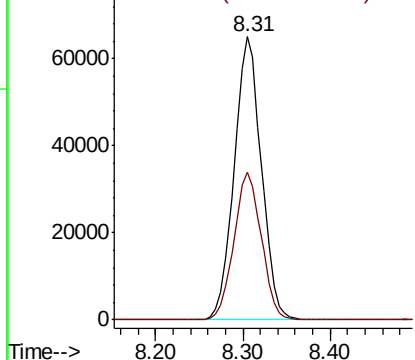


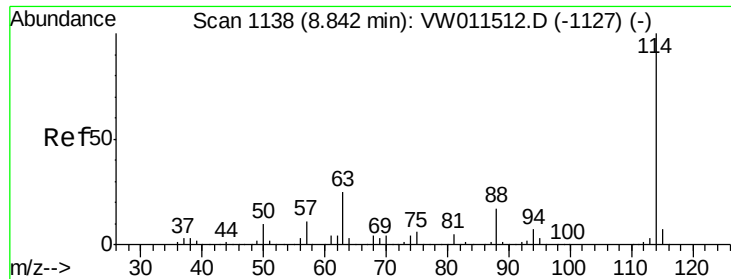
#33
1,2-Dichloroethane-d4
Concen: 58.359 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW011752.D
Acq: 07 Aug 2019 15:39

Tgt Ion: 65 Resp: 140973
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.2



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

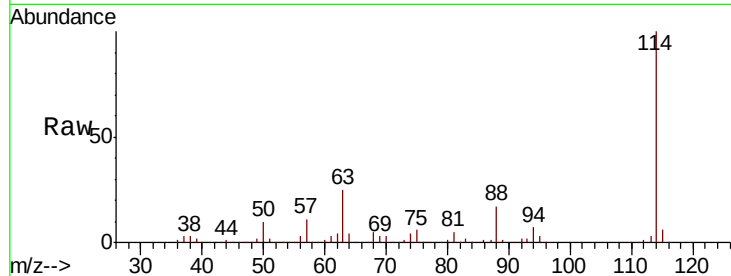




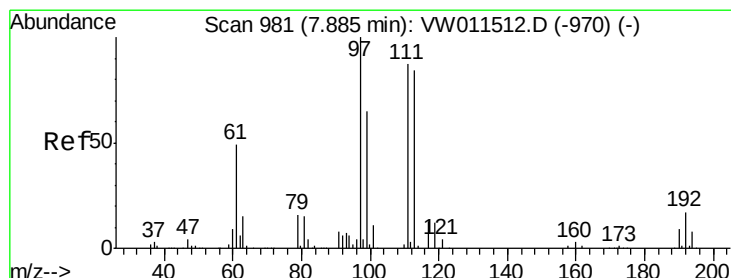
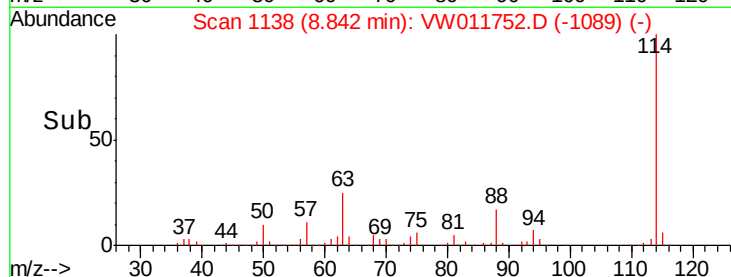
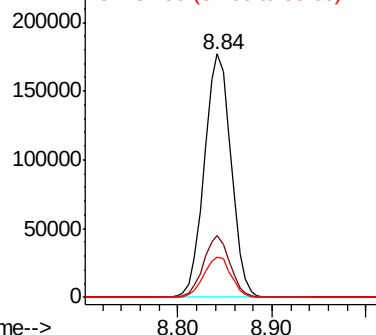
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW011752.D
Acq: 07 Aug 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
SB-02(0-2)

Tgt Ion:114 Resp: 350135
Ion Ratio Lower Upper
114 100
63 25.3 0.0 49.2
88 16.7 0.0 33.8

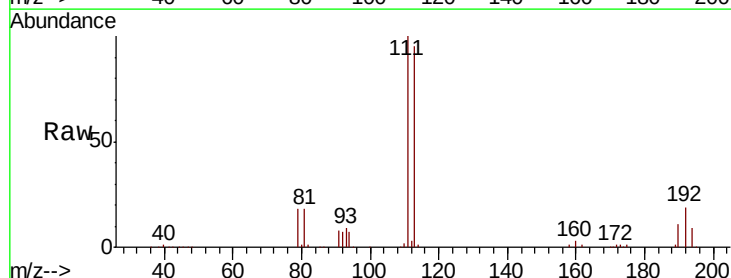


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

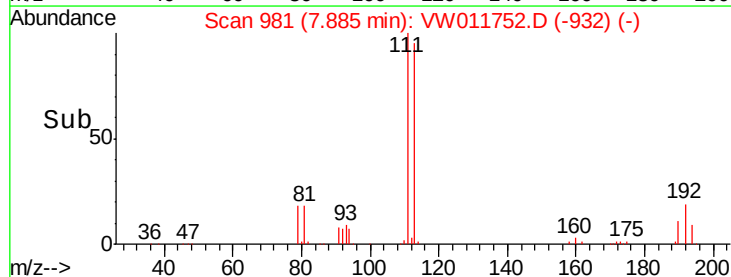
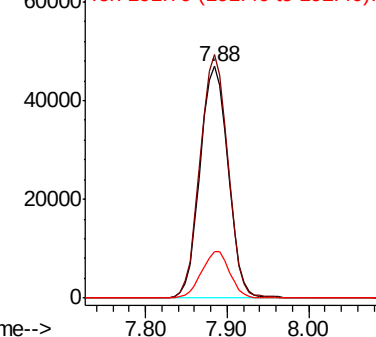


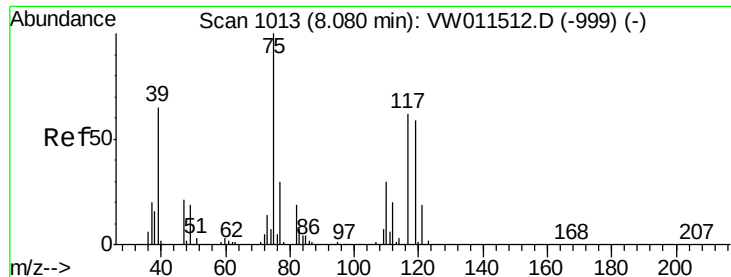
#35
Dibromofluoromethane
Concen: 56.825 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW011752.D
Acq: 07 Aug 2019 15:39

Tgt Ion:113 Resp: 111622
Ion Ratio Lower Upper
113 100
111 103.8 82.7 124.1
192 20.1 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

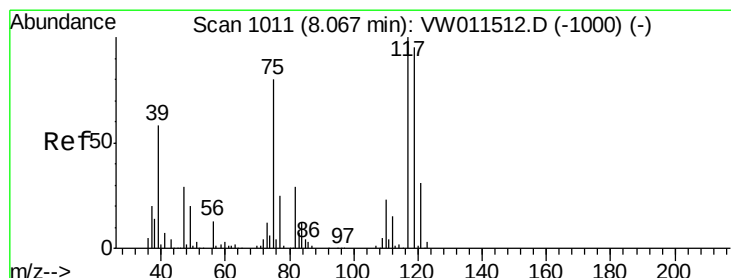
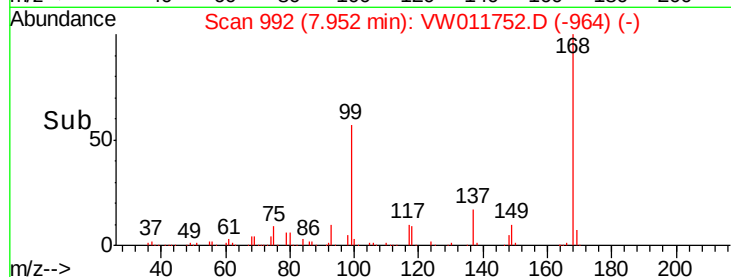
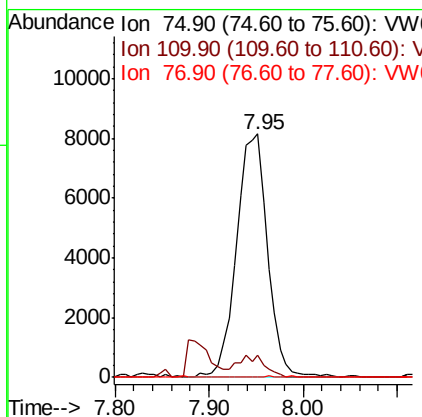
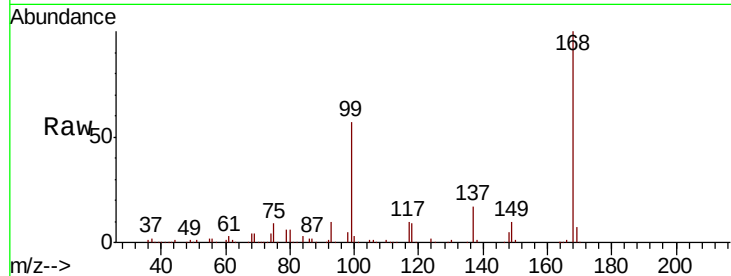




#36
 1,1-Dichloropropene
 Concen: 5.171 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW011752.D
 Acq: 07 Aug 2019 15:39

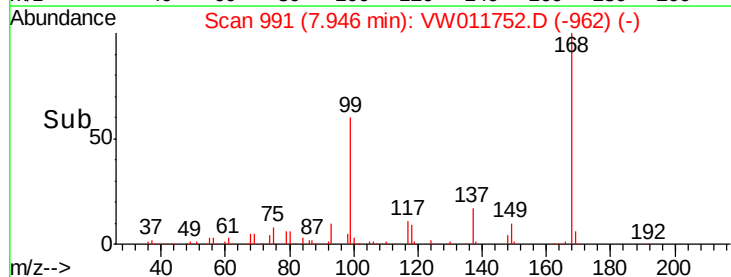
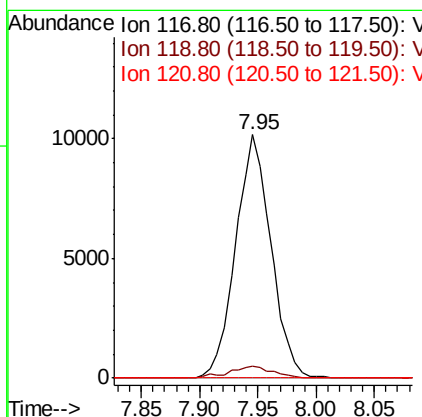
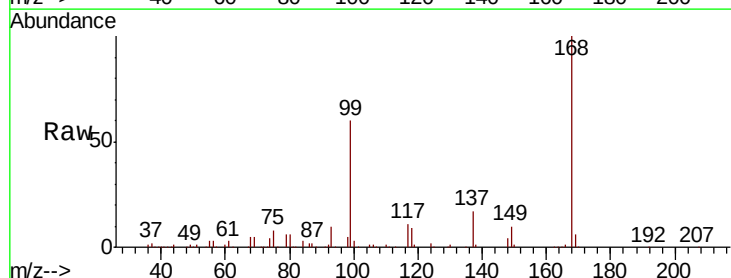
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 MSVOA_W
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 SB-02(0-2)

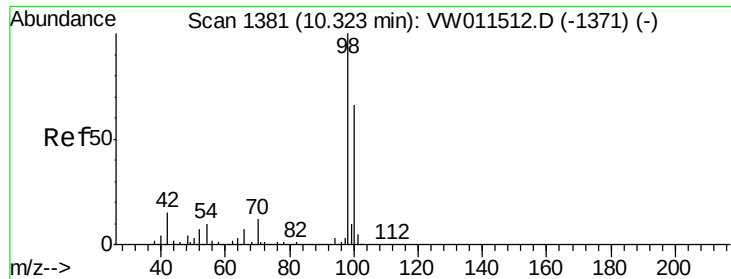
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	15.6	46.8#
77	0.1	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.899 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011752.D
 Acq: 07 Aug 2019 15:39

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

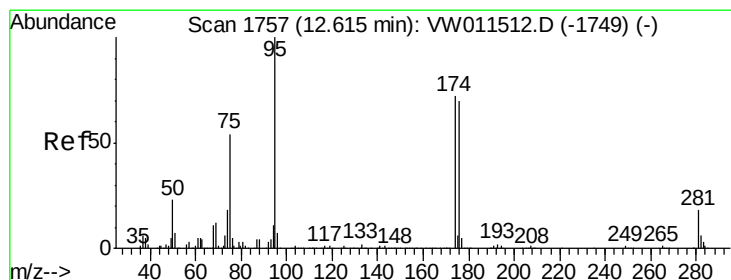
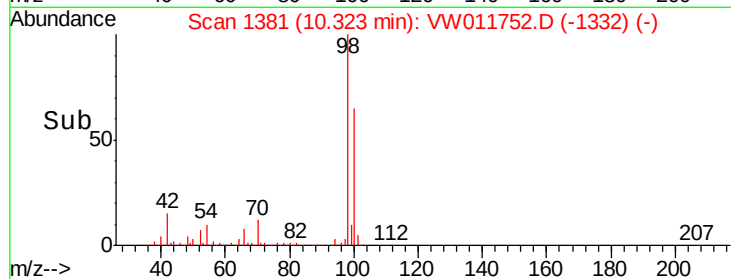
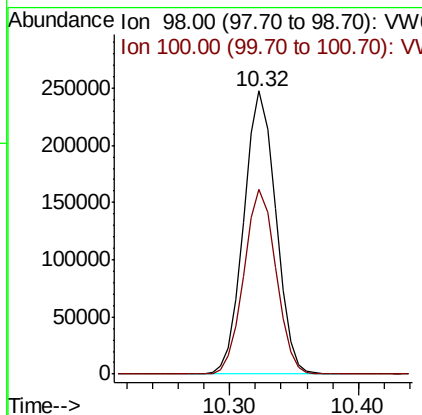
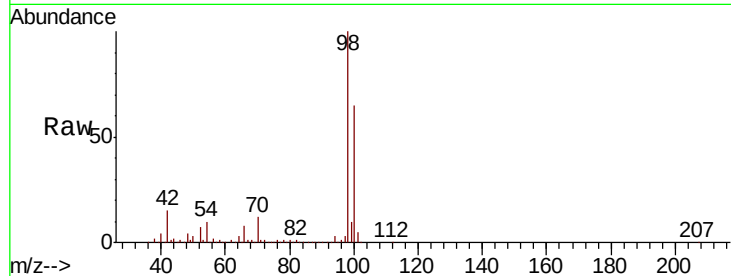




#50
Toluene-d8
Concen: 52.791 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011752.D
Acq: 07 Aug 2019 15:39

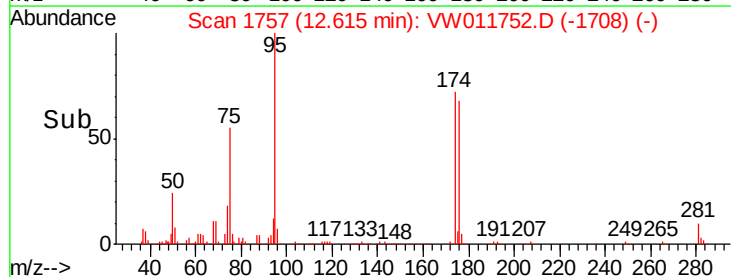
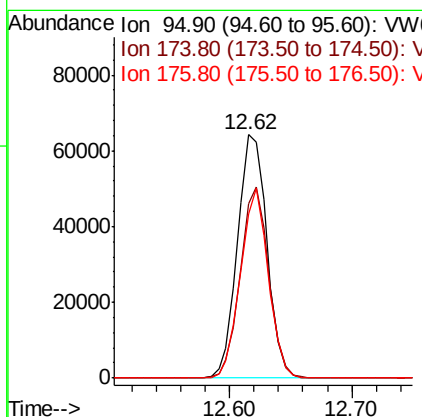
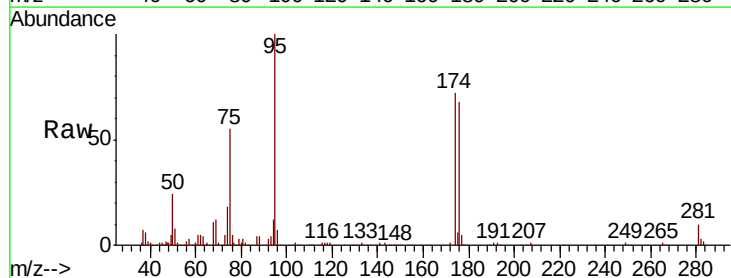
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SB-02(0-2)

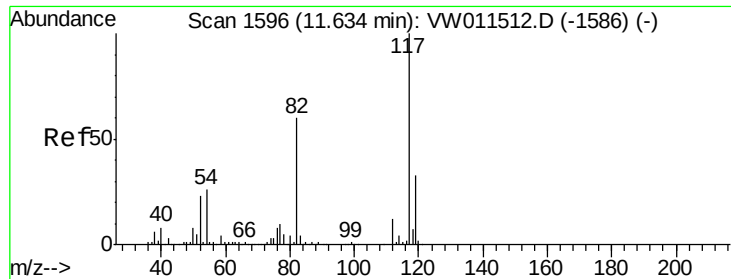
Tgt Ion: 98 Resp: 424574
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 37.344 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW011752.D
Acq: 07 Aug 2019 15:39

Tgt Ion: 95 Resp: 107076
Ion Ratio Lower Upper
95 100
174 76.1 0.0 150.2
176 73.8 0.0 144.4

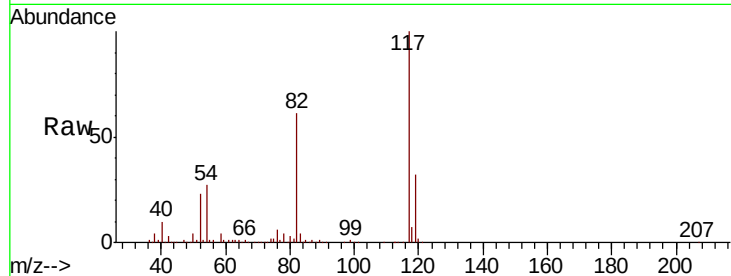




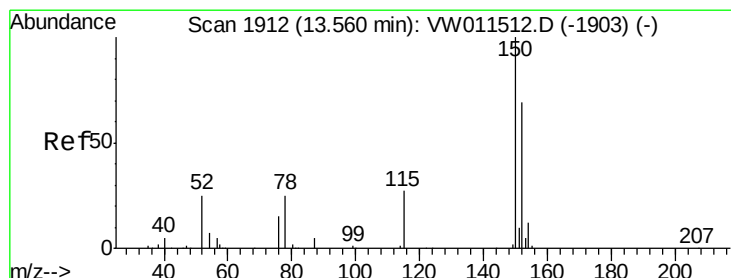
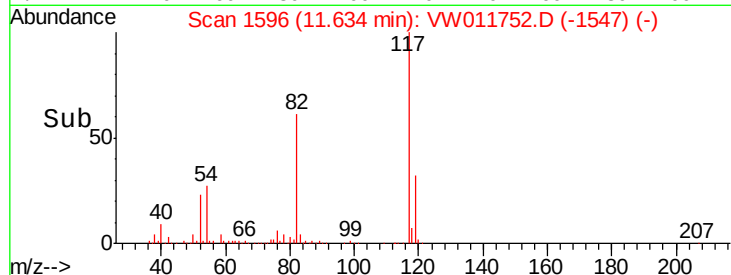
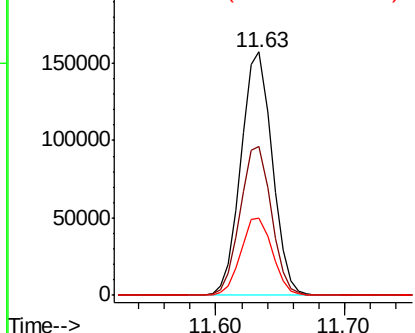
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011752.D
Acq: 07 Aug 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
SB-02(0-2)

Tgt Ion:117 Resp: 264082
Ion Ratio Lower Upper
117 100
82 61.0 47.9 71.9
119 31.9 26.2 39.2

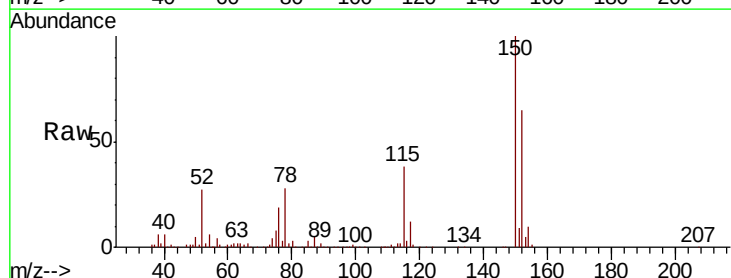


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

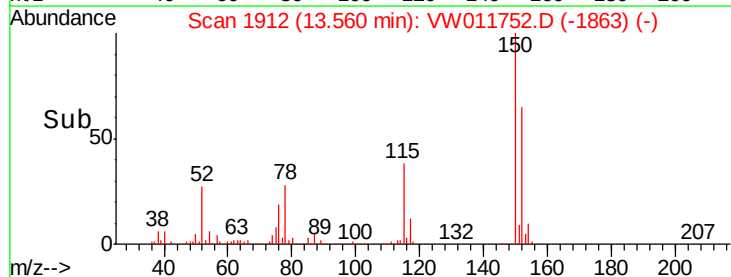
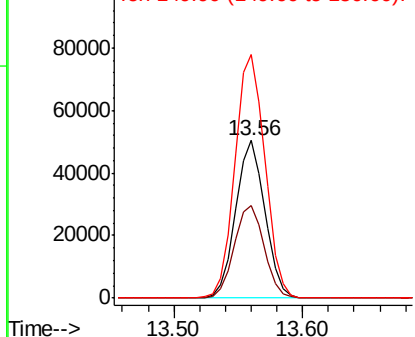


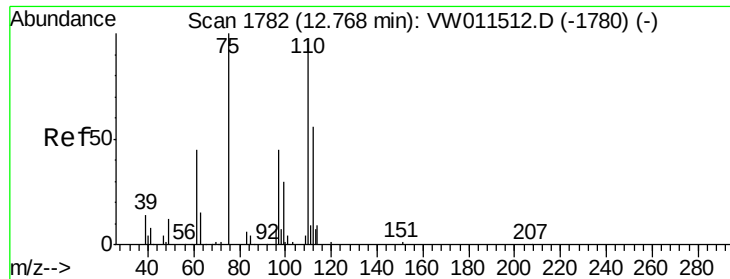
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011752.D
Acq: 07 Aug 2019 15:39

Tgt Ion:152 Resp: 79013
Ion Ratio Lower Upper
152 100
115 60.2 30.5 91.5
150 158.9 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

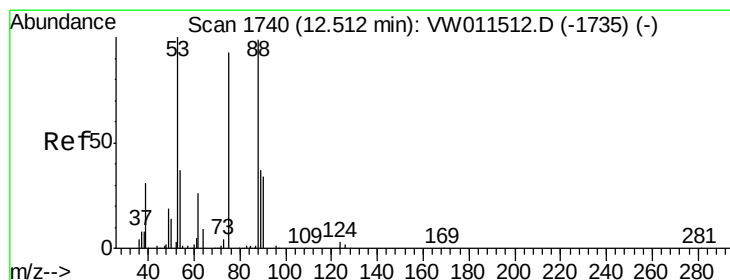
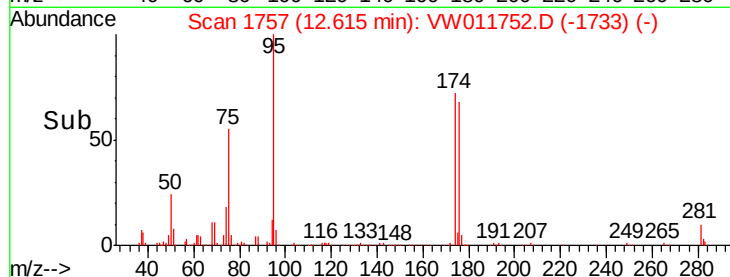
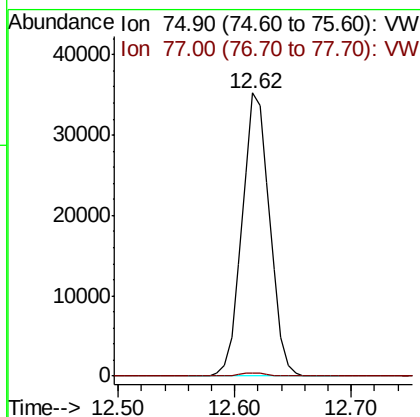
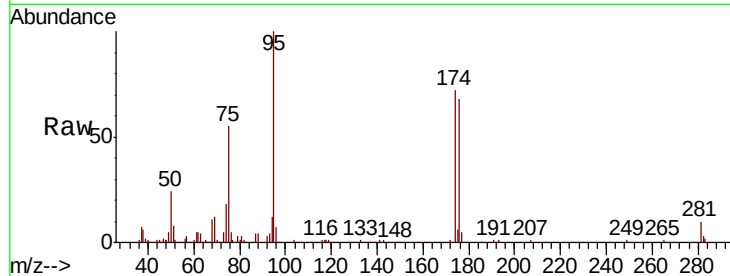




#76
 1,2,3-Trichloropropane
 Concen: 69.563 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011752.D
 Acq: 07 Aug 2019 15:39

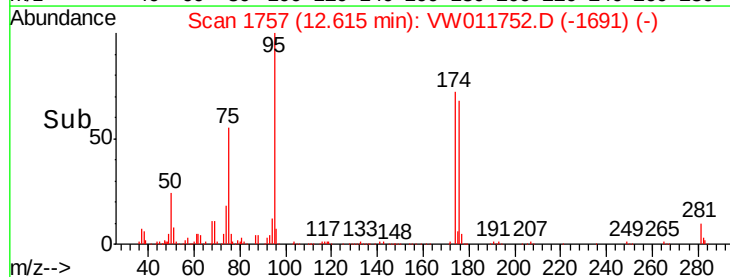
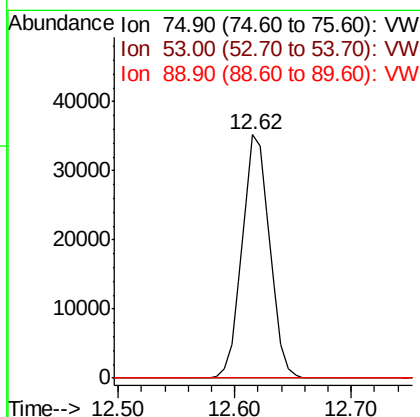
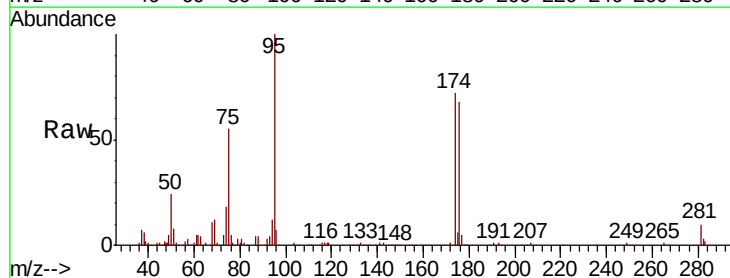
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-02(0-2)

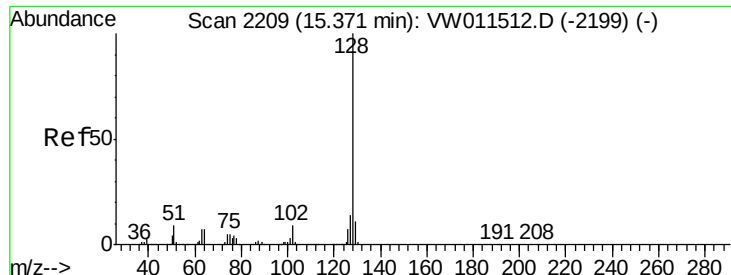
Tgt Ion: 75 Resp: 58158
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 160.319 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011752.D
 Acq: 07 Aug 2019 15:39

Tgt Ion: 75 Resp: 58158
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.0 132.0#
 89 0.0 35.3 52.9#





#95

Naphthalene

Concen: 2.120 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011752.D

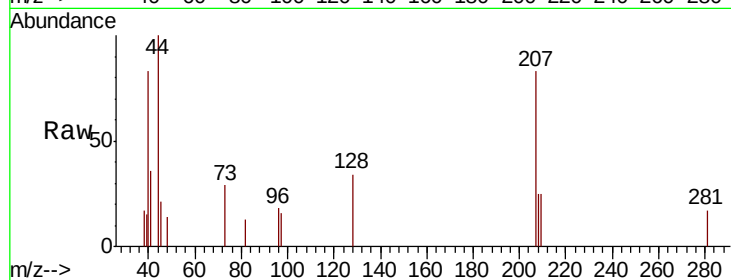
Acq: 07 Aug 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

SB-02(0-2)



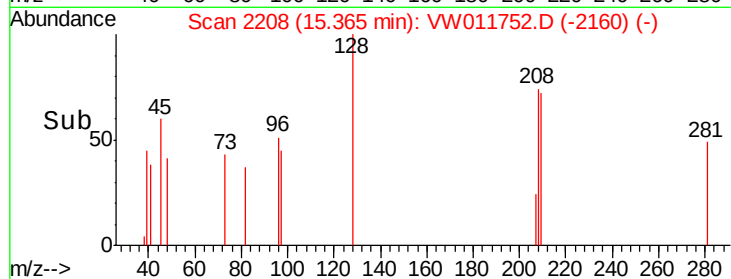
Tgt Ion:128 Resp: 176

Ion Ratio Lower Upper

128 100

127 10.8 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

15.36

15.38

15.40

Time-->