

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080619\
 Data File : VW011712.D
 Acq On : 05 Aug 2019 16:32
 Operator : SY/VA
 Sample : K4135-04RE
 Misc : 7.15G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-A3-(0-1)

Quant Time: Aug 06 08:04:00 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	204096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	337080	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	267129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	88757	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	131223	55.99	ug/l	0.00
Spiked Amount 50.000			Recovery =	111.98%		
35) Dibromofluoromethane	7.88	113	102958	54.44	ug/l	0.00
Spiked Amount 50.000			Recovery =	108.88%		
50) Toluene-d8	10.32	98	406886	52.55	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.10%		
62) 4-Bromofluorobenzene	12.62	95	116849	42.33	ug/l	0.00
Spiked Amount 50.000			Recovery =	84.66%		

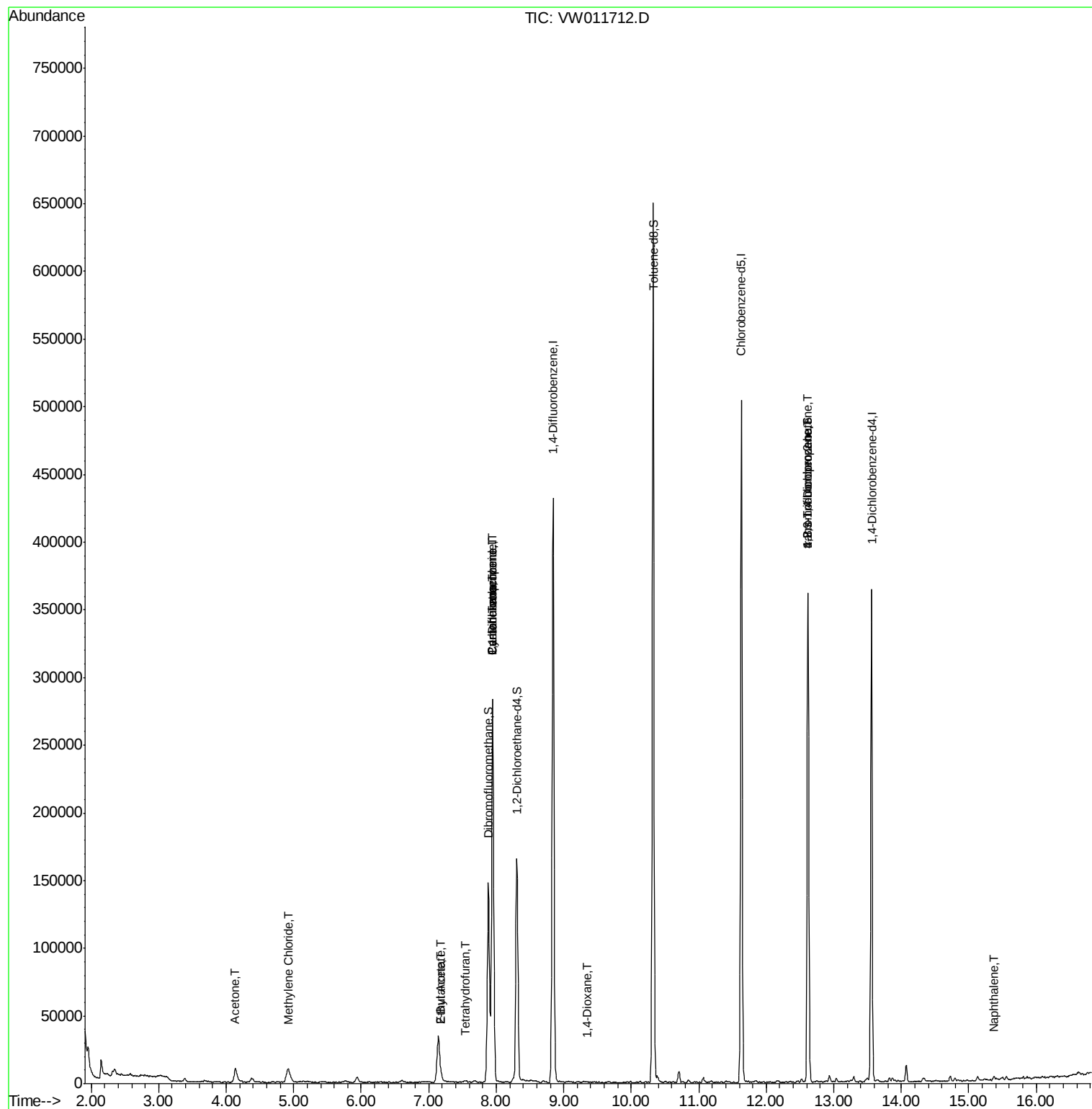
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	130	Below Cal	#	87
16) Acetone	4.14	43	20400	27.365	ug/l	96
20) Methylene Chloride	4.91	84	7462	2.902	ug/l	92
25) 2-Butanone	7.18	43	8144	8.349	ug/l #	91
29) Tetrahydrofuran	7.53	42	1286	2.306	ug/l	98
31) Cyclohexane	7.94	56	5366	1.225	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	17730	5.058	ug/l #	52
37) Ethyl Acetate	7.18	43	8144	4.039	ug/l #	73
38) Carbon Tetrachloride	7.95	117	20893	6.963	ug/l #	16
49) 1,4-Dioxane	9.35	88	28	1.613	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	63659	67.784	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	63659	156.218	ug/l #	6
95) Naphthalene	15.37	128	1500	2.476	ug/l #	91

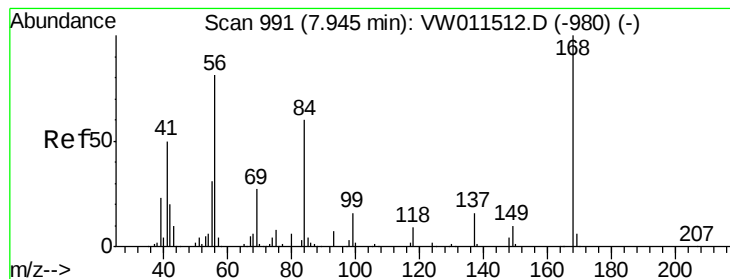
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080619\
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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: VW011712.D

Acq: 05 Aug 2019 16:32

Instrument :

MSVOA_W

ClientSampleId :

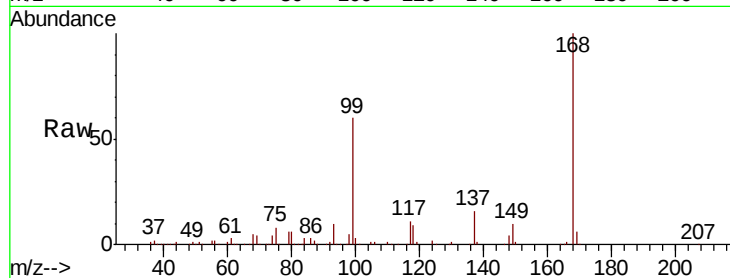
1S-A3-(0-1)

Tgt Ion:168 Resp: 204096

Ion Ratio Lower Upper

168 100

99 60.2 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

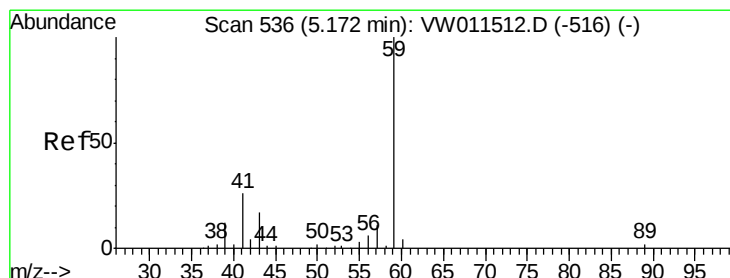
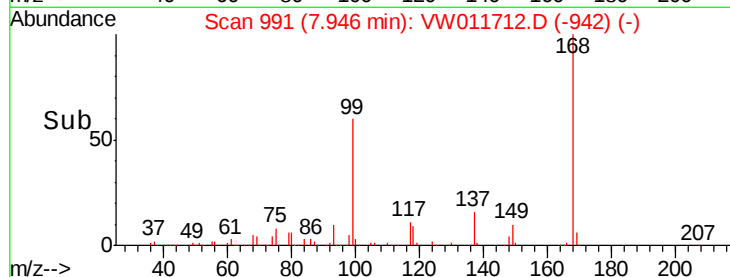
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.15 min Scan# 533

Delta R.T. -0.02 min

Lab File: VW011712.D

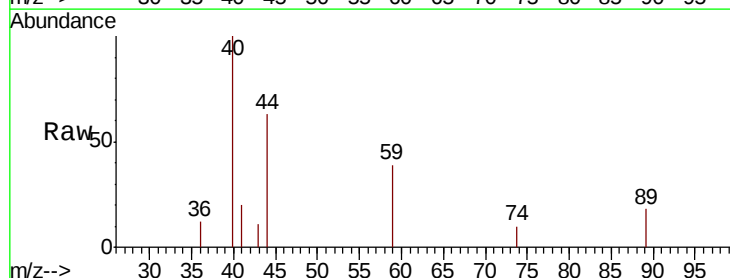
Acq: 05 Aug 2019 16:32

Tgt Ion: 59 Resp: 130

Ion Ratio Lower Upper

59 100

57 15.4 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

200

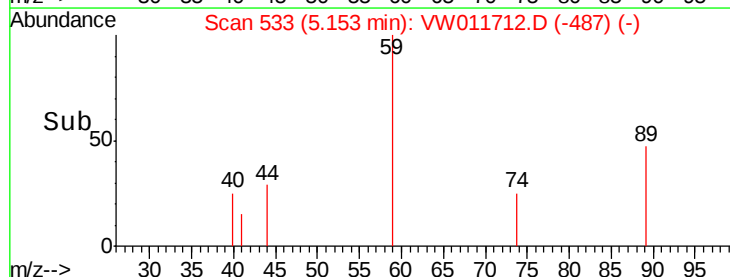
150

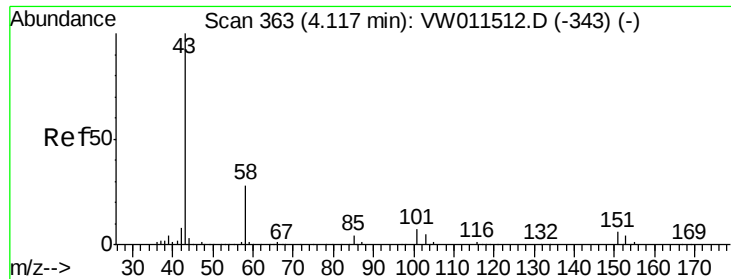
100

50

0

Time-->





#16

Acetone

Concen: 27.365 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011712.D

Acq: 05 Aug 2019 16:32

Instrument :

MSVOA_W

ClientSampleId :

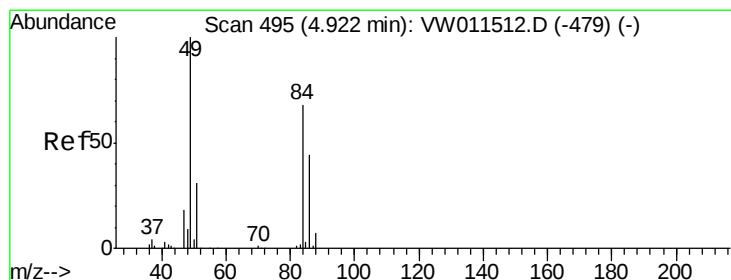
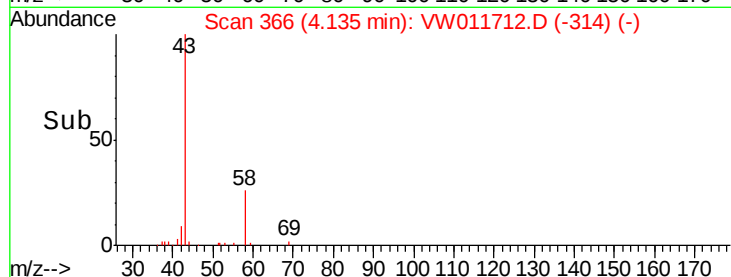
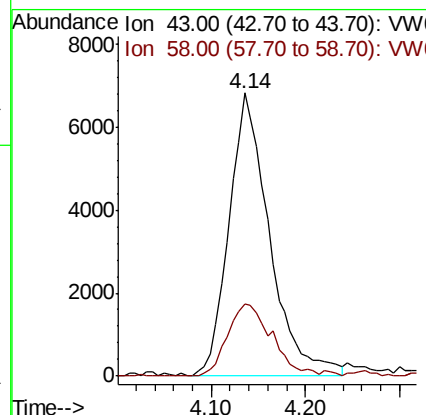
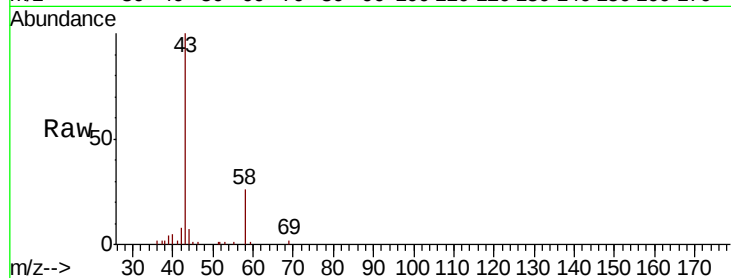
1S-A3-(0-1)

Tgt Ion: 43 Resp: 20400

Ion Ratio Lower Upper

43 100

58 25.6 22.3 33.5



#20

Methylene Chloride

Concen: 2.902 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011712.D

Acq: 05 Aug 2019 16:32

Tgt Ion: 84 Resp: 7462

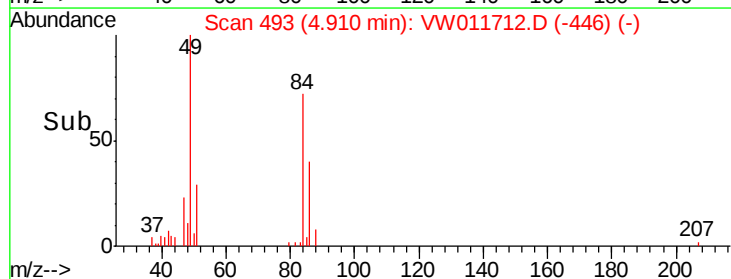
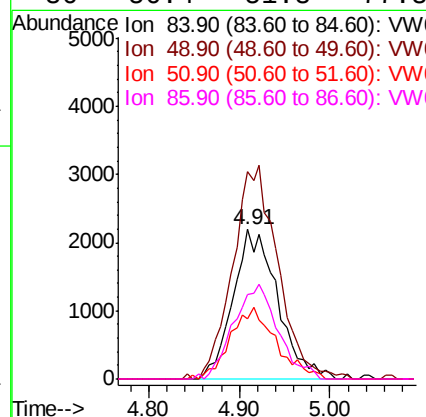
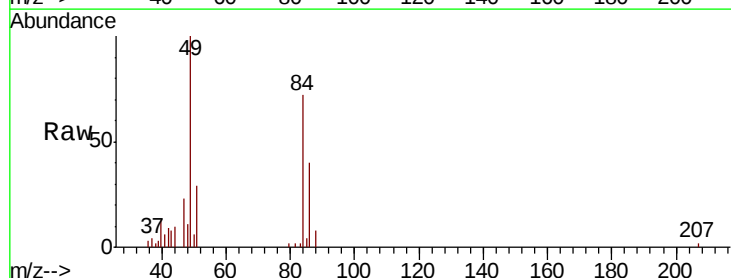
Ion Ratio Lower Upper

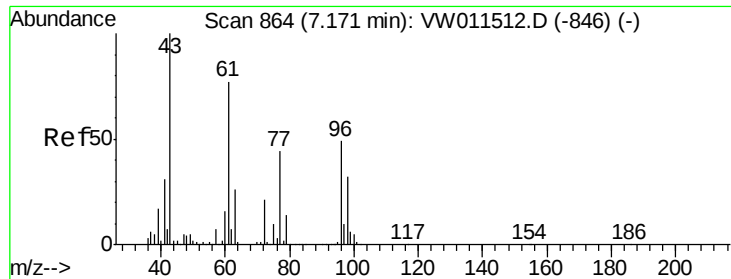
84 100

49 139.4 117.8 176.6

51 40.6 37.0 55.4

86 56.4 51.8 77.8

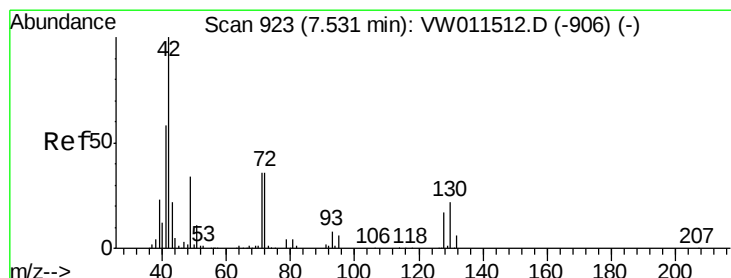
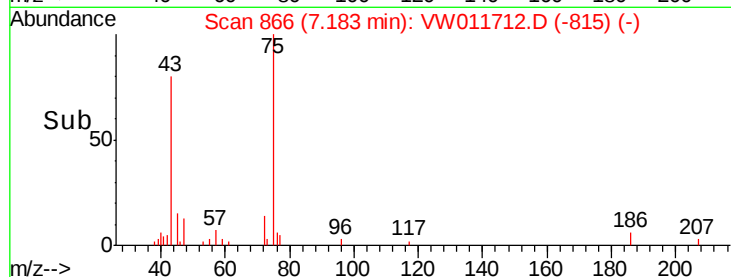
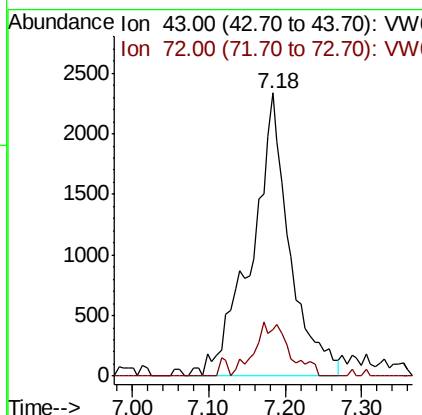
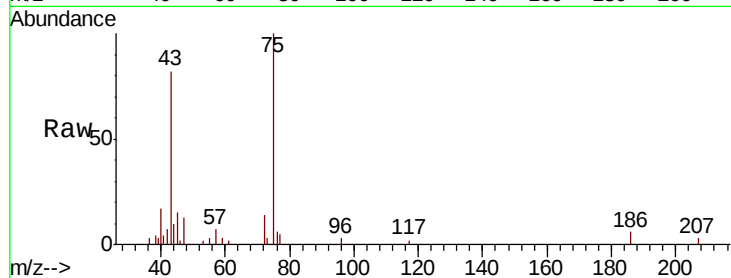




#25
 2-Butanone
 Concen: 8.349 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VW011712.D
 Acq: 05 Aug 2019 16:32

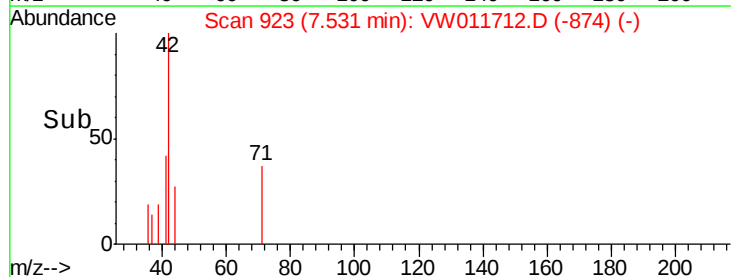
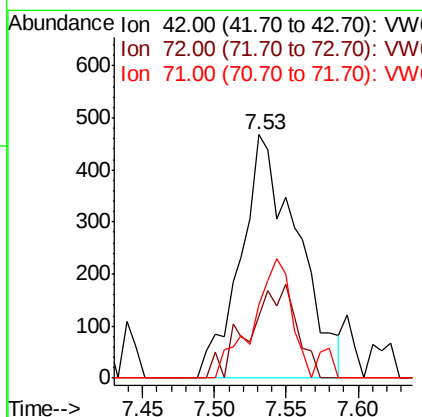
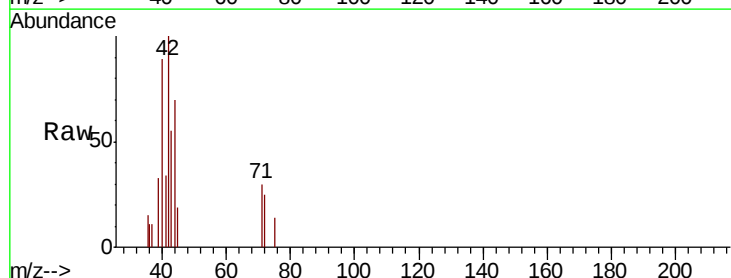
Instrument :
 MSVOA_W
 ClientSampleId :
 1S-A3-(0-1)

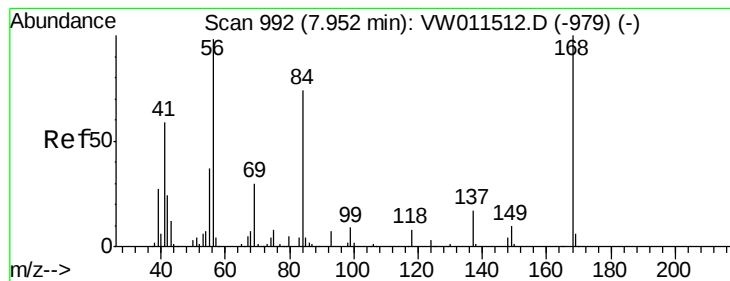
Tgt Ion: 43 Resp: 8144
 Ion Ratio Lower Upper
 43 100
 72 16.5 16.6 24.8#



#29
 Tetrahydrofuran
 Concen: 2.306 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VW011712.D
 Acq: 05 Aug 2019 16:32

Tgt Ion: 42 Resp: 1286
 Ion Ratio Lower Upper
 42 100
 72 32.2 27.1 40.7
 71 33.0 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: VW011712.D

Acq: 05 Aug 2019 16:32

Instrument :

MSVOA_W

ClientSampleId :

1S-A3-(0-1)

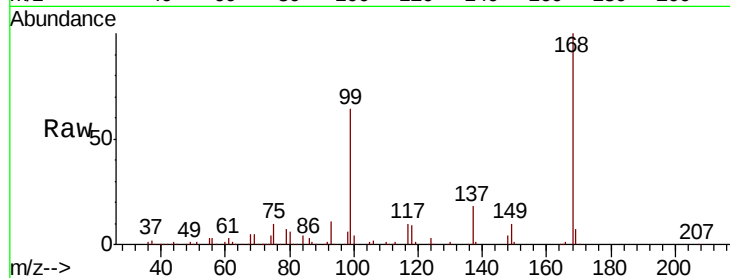
Tgt Ion: 56 Resp: 5366

Ion Ratio Lower Upper

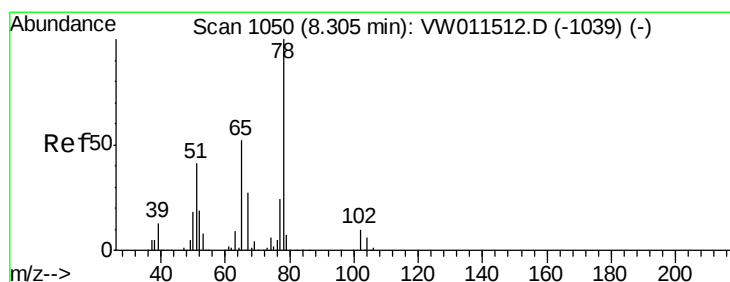
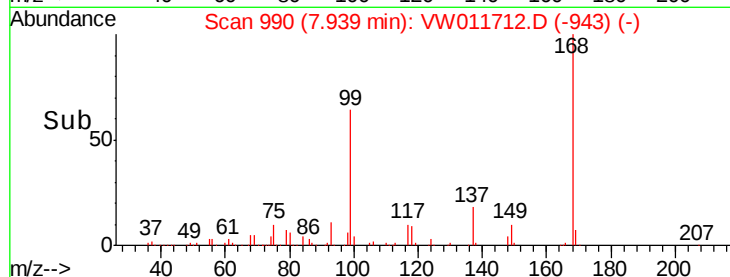
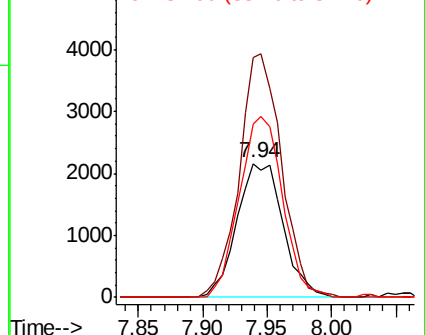
56 100

69 178.9 24.3 36.5#

84 129.0 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: 55.992 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011712.D

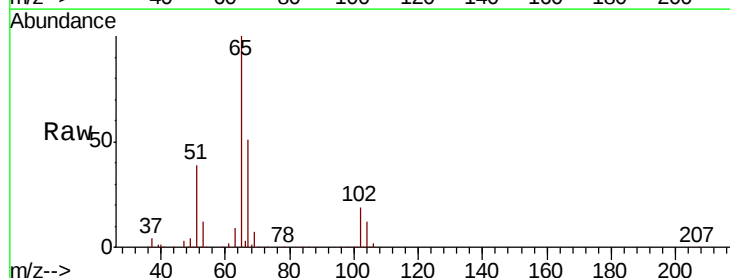
Acq: 05 Aug 2019 16:32

Tgt Ion: 65 Resp: 131223

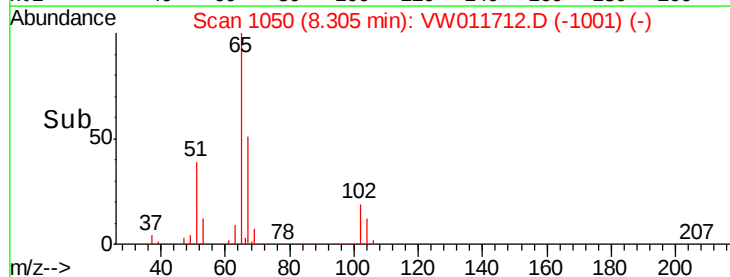
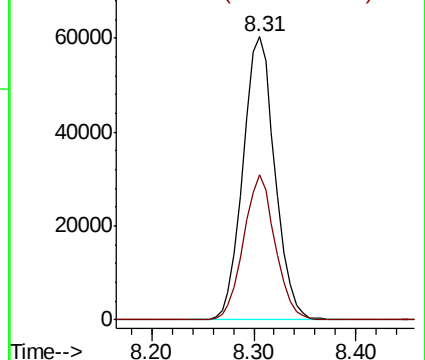
Ion Ratio Lower Upper

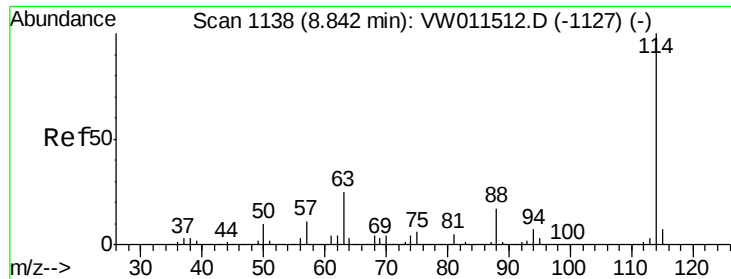
65 100

67 50.8 0.0 105.2



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

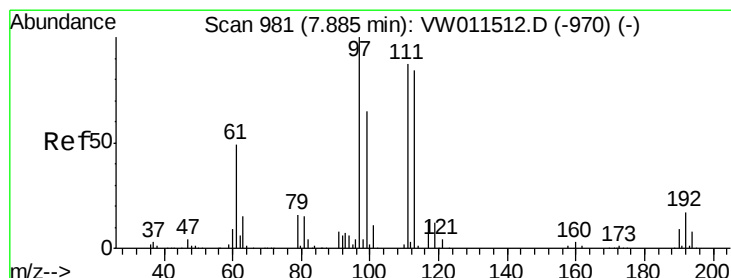
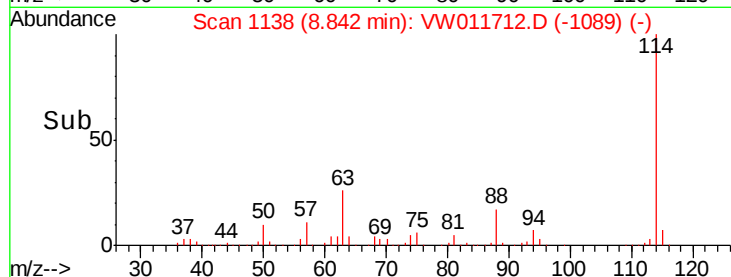
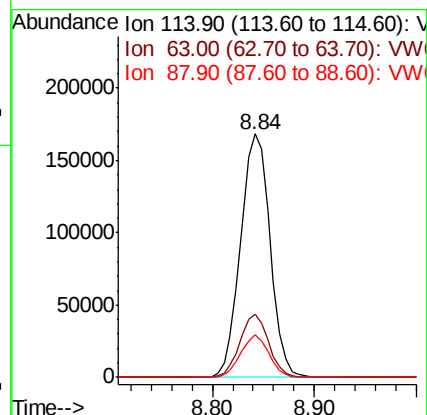
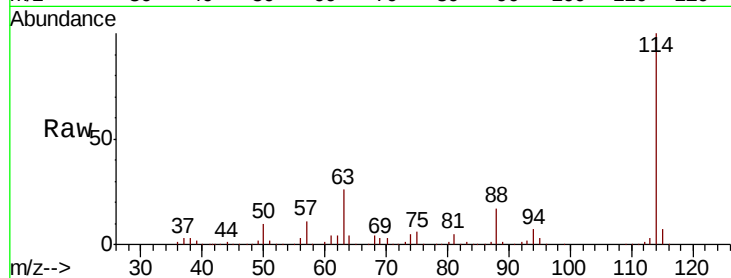




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011712.D
 Acq: 05 Aug 2019 16:32

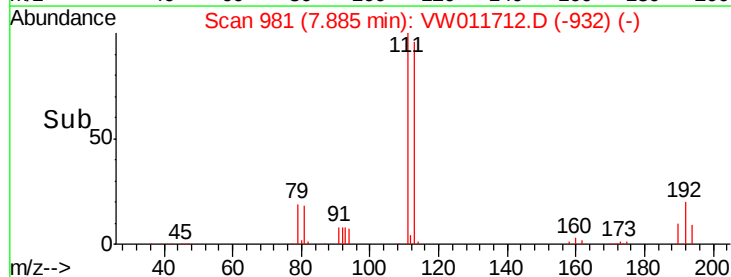
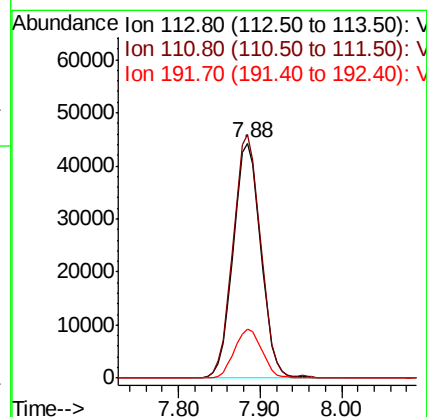
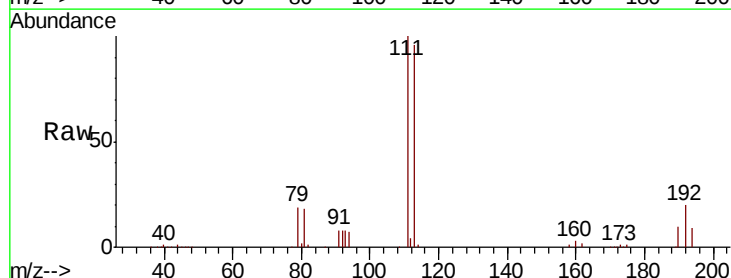
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 1S-A3-(0-1)

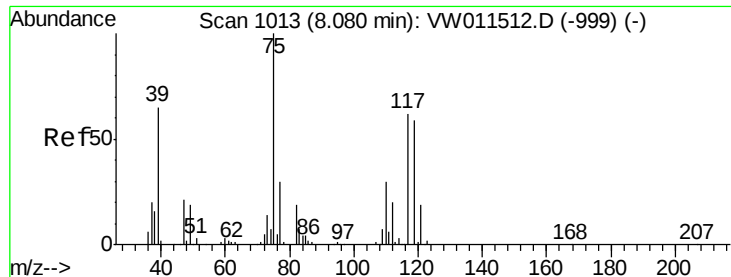
Tgt Ion:114 Resp: 337080
 Ion Ratio Lower Upper
 114 100
 63 25.7 0.0 49.2
 88 17.3 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 54.444 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011712.D
 Acq: 05 Aug 2019 16:32

Tgt Ion:113 Resp: 102958
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.7 124.1
 192 20.8 16.1 24.1

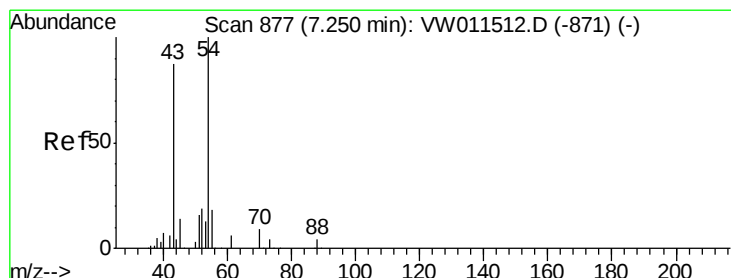
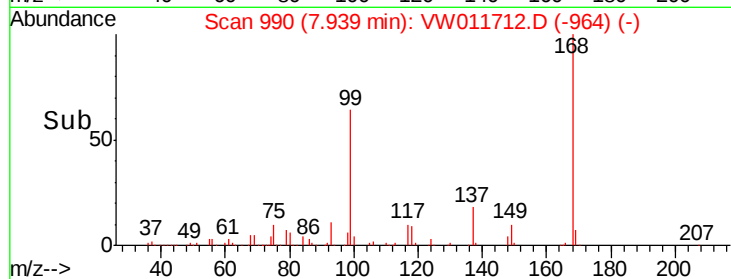
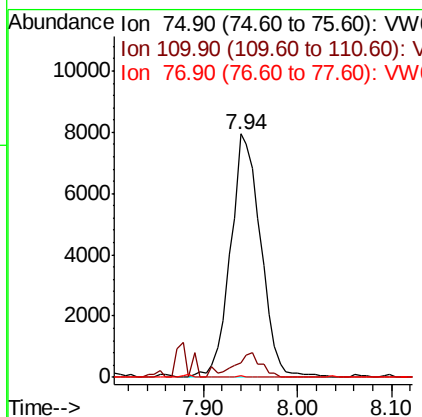
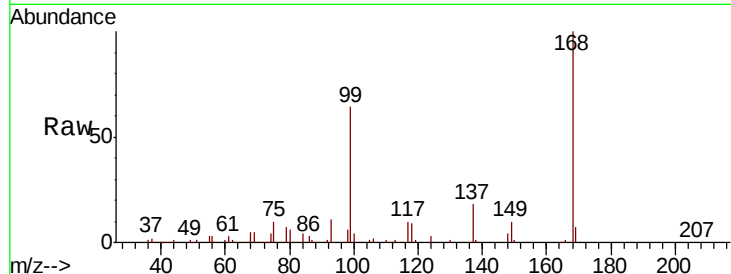




#36
 1,1-Dichloropropene
 Concen: 5.058 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011712.D
 Acq: 05 Aug 2019 16:32

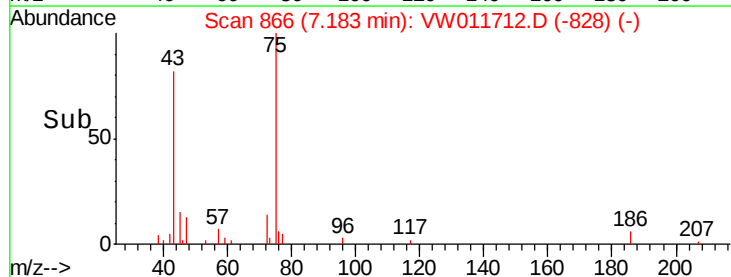
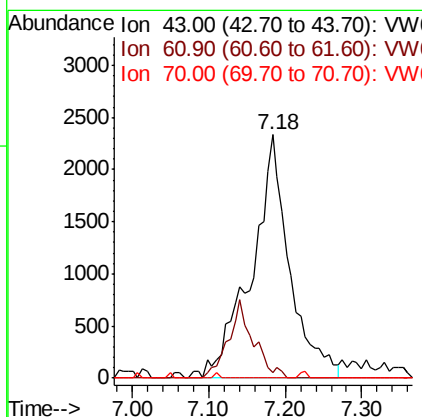
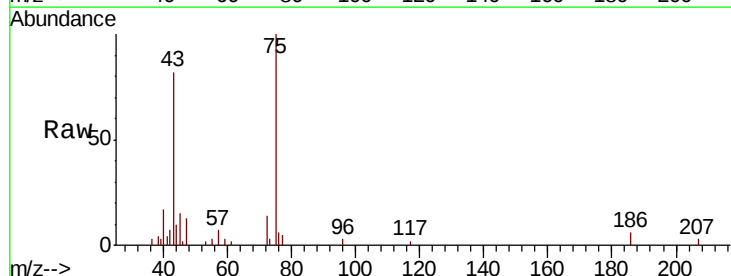
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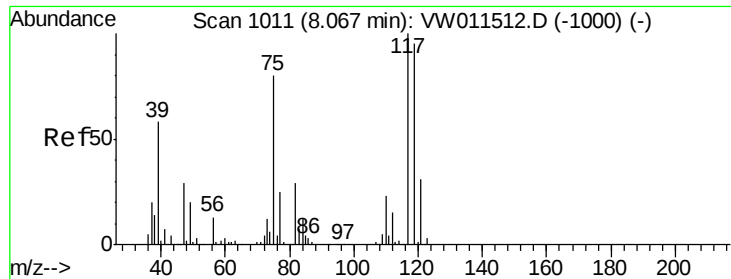
Tgt Ion: 75 Resp: 17730
 Ion Ratio Lower Upper
 75 100
 110 8.3 15.6 46.8#
 77 0.1 24.3 36.5#



#37
 Ethyl Acetate
 Concen: 4.039 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. -0.07 min
 Lab File: VW011712.D
 Acq: 05 Aug 2019 16:32

Tgt Ion: 43 Resp: 8144
 Ion Ratio Lower Upper
 43 100
 61 0.0 8.8 13.2#
 70 0.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 6.963 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011712.D

Acq: 05 Aug 2019 16:32

Instrument :

MSVOA_W

ClientSampled :

1S-A3-(0-1)

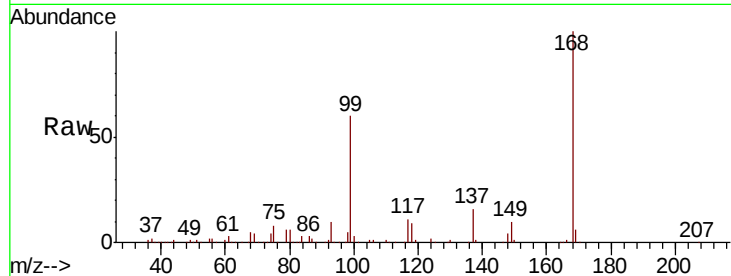
Tgt Ion:117 Resp: 20893

Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.6#

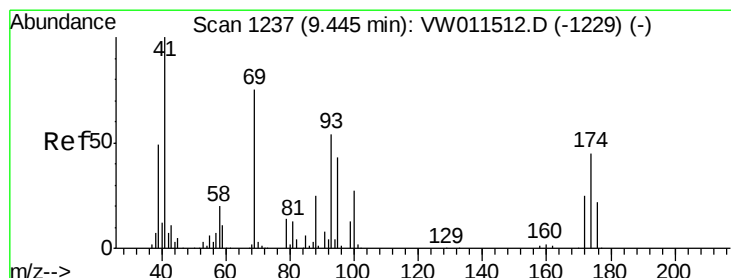
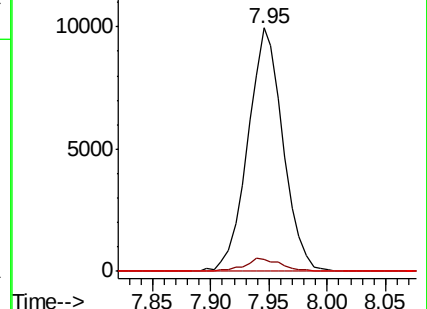
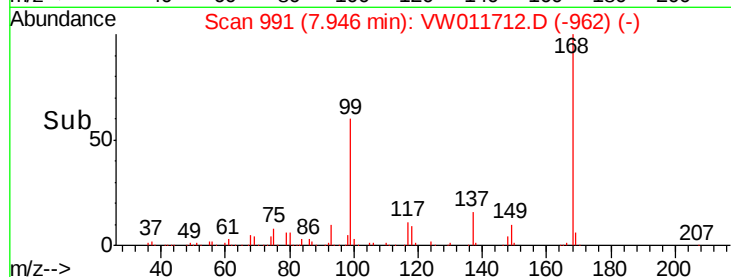
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 1.613 ug/l

RT: 9.35 min Scan# 1222

Delta R.T. -0.09 min

Lab File: VW011712.D

Acq: 05 Aug 2019 16:32

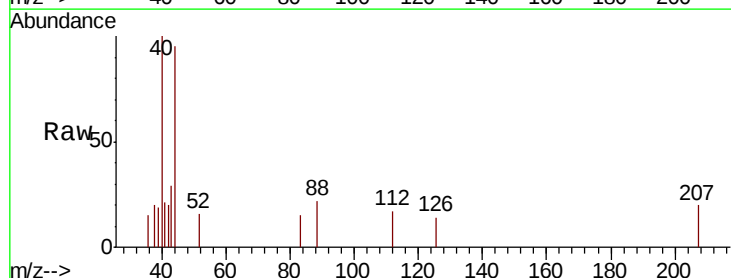
Tgt Ion: 88 Resp: 28

Ion Ratio Lower Upper

88 100

43 725.0 34.0 51.0#

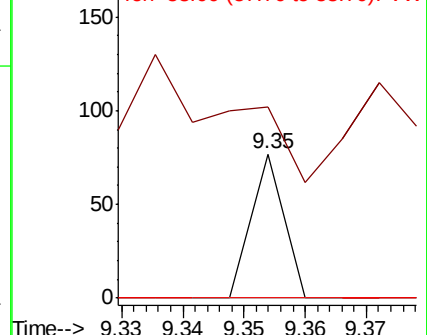
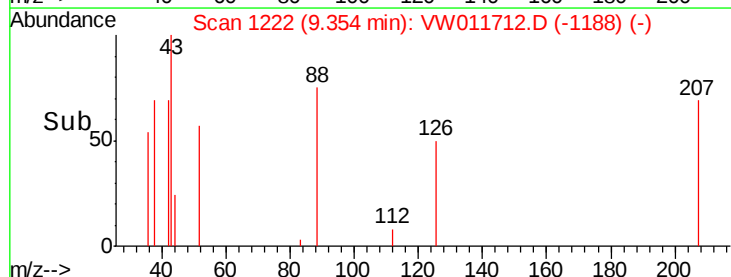
58 0.0 69.7 104.5#

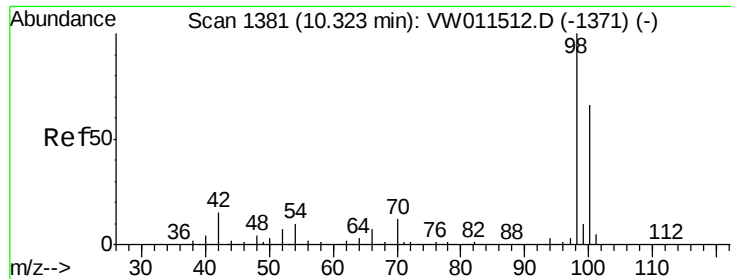


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

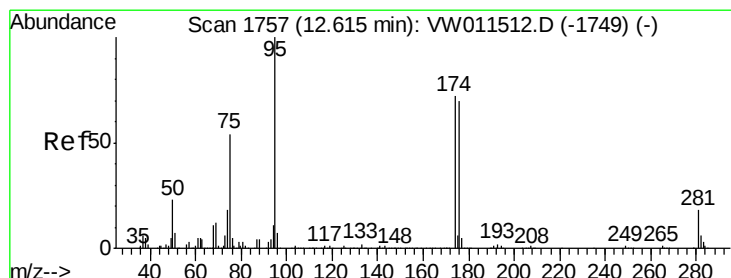
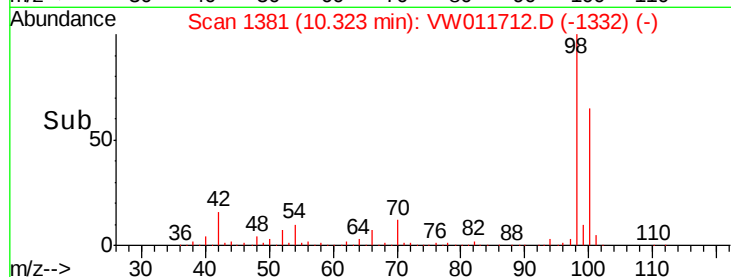
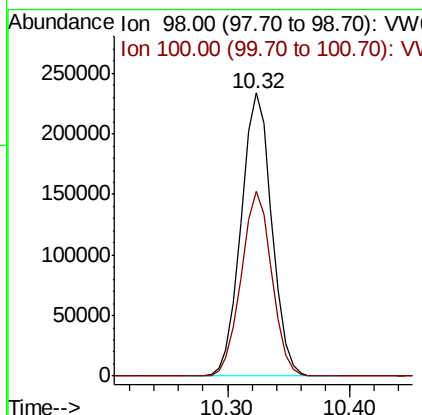
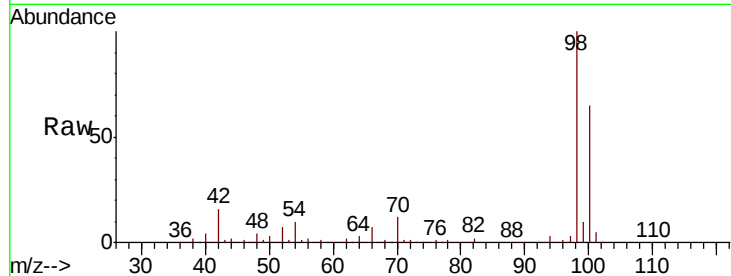




#50
Toluene-d8
Concen: 52.551 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011712.D
Acq: 05 Aug 2019 16:32

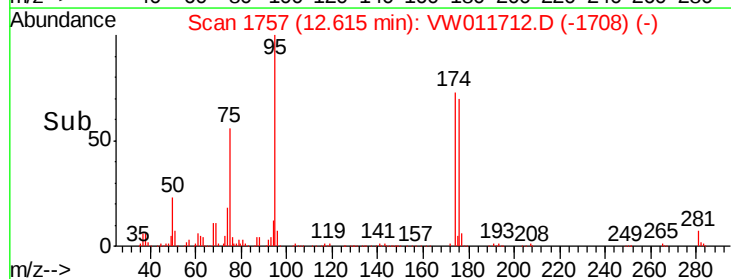
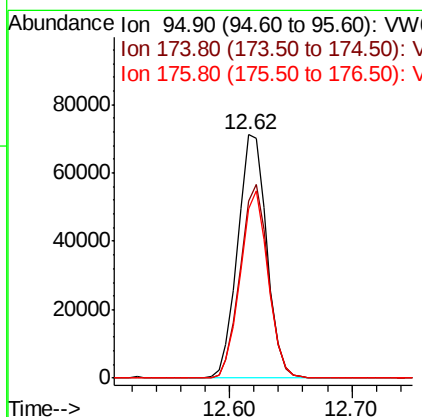
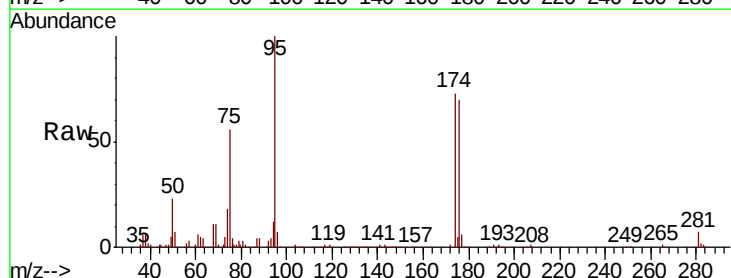
Instrument :
MSVOA_W
ClientSampled :
1S-A3-(0-1)

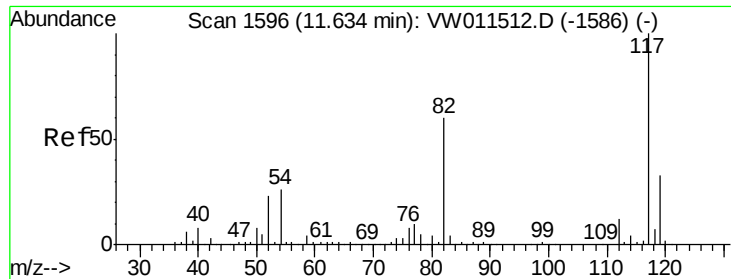
Tgt Ion: 98 Resp: 406886
Ion Ratio Lower Upper
98 100
100 64.9 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 42.330 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW011712.D
Acq: 05 Aug 2019 16:32

Tgt Ion: 95 Resp: 116849
Ion Ratio Lower Upper
95 100
174 77.4 0.0 150.2
176 73.8 0.0 144.4

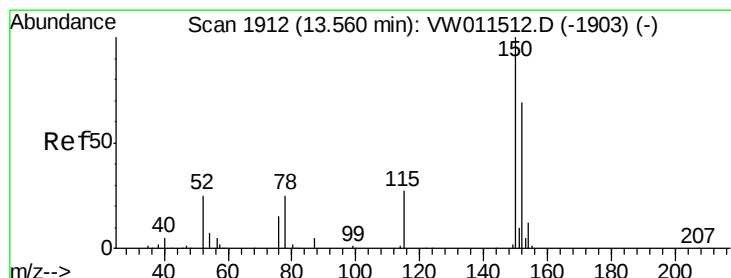
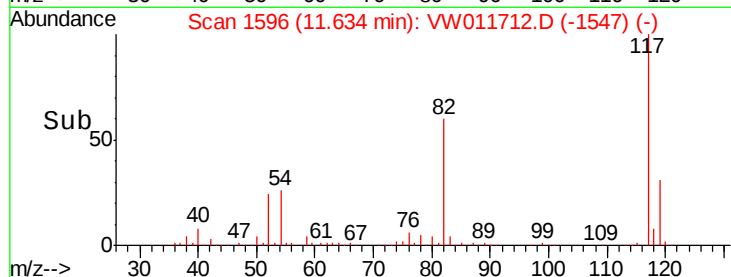
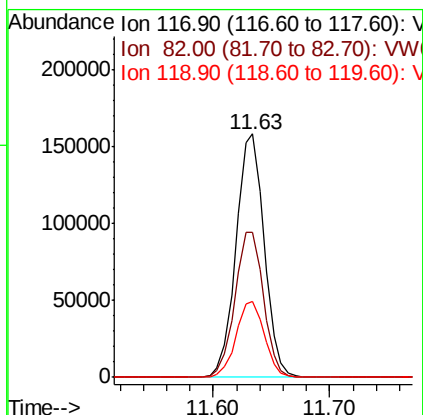
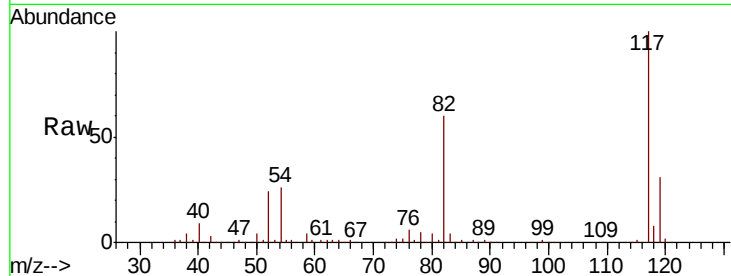




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011712.D
Acq: 05 Aug 2019 16:32

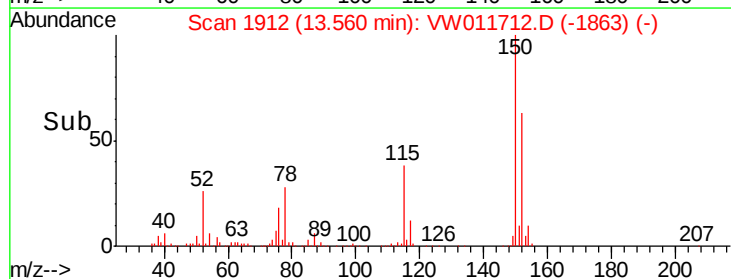
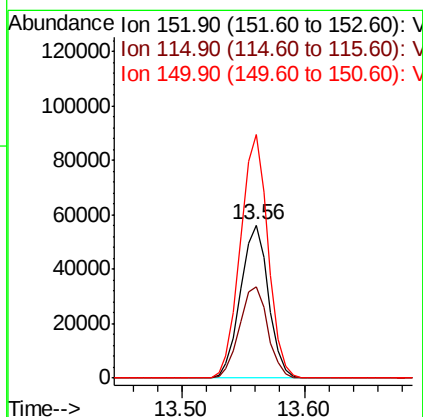
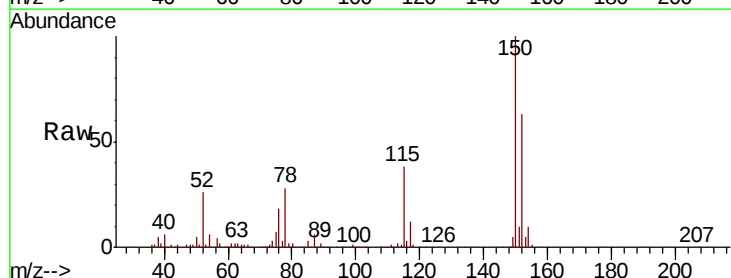
Instrument :
MSVOA_W
ClientSampleId :
1S-A3-(0-1)

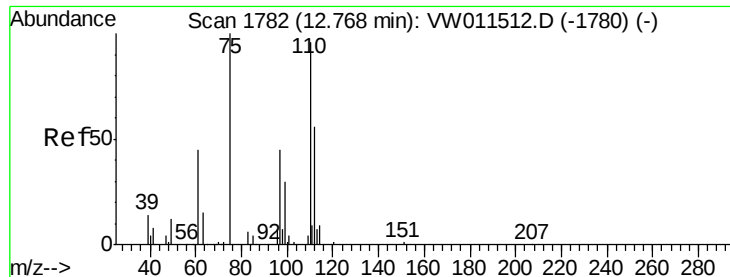
Tgt Ion:117 Resp: 267129
Ion Ratio Lower Upper
117 100
82 59.8 47.9 71.9
119 31.1 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011712.D
Acq: 05 Aug 2019 16:32

Tgt Ion:152 Resp: 88757
Ion Ratio Lower Upper
152 100
115 60.6 30.5 91.5
150 157.5 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 67.784 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011712.D

Acq: 05 Aug 2019 16:32

Instrument :

MSVOA_W

ClientSampleId :

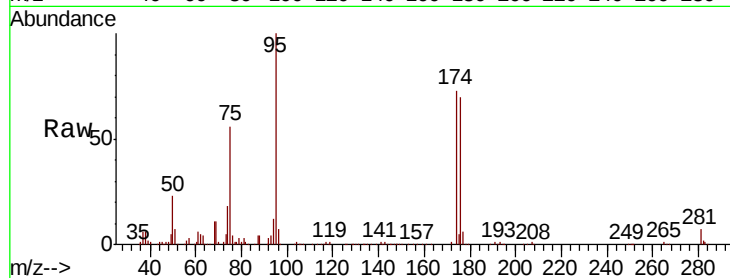
1S-A3-(0-1)

Tgt Ion: 75 Resp: 63659

Ion Ratio Lower Upper

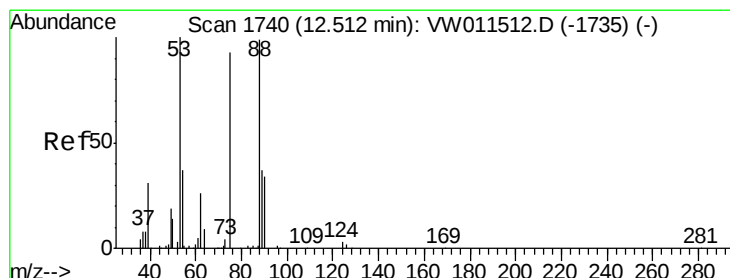
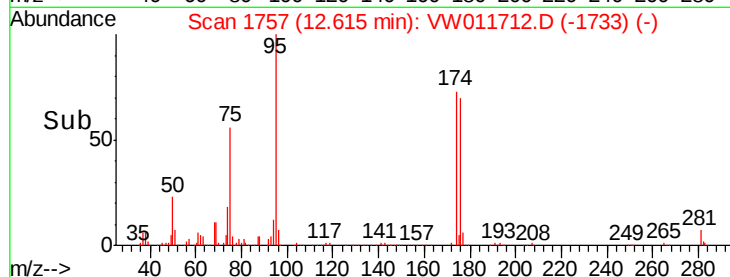
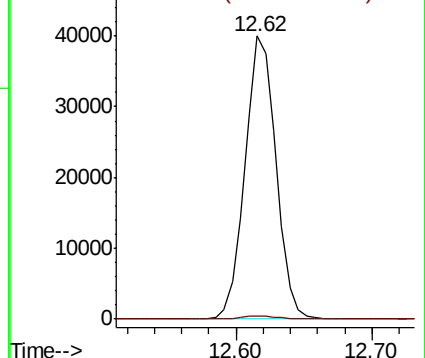
75 100

77 1.1 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: 156.218 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011712.D

Acq: 05 Aug 2019 16:32

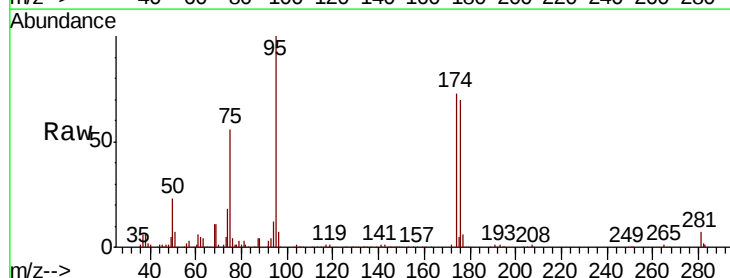
Tgt Ion: 75 Resp: 63659

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

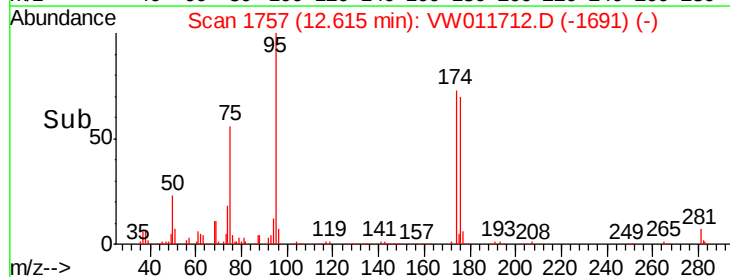
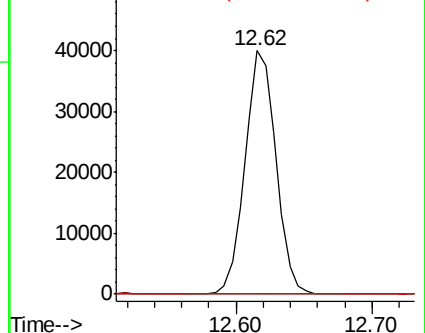
89 0.0 35.3 52.9#

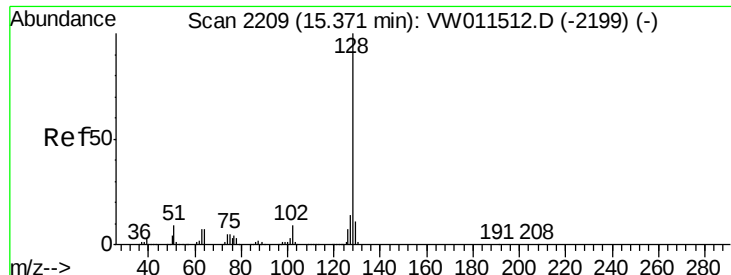


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

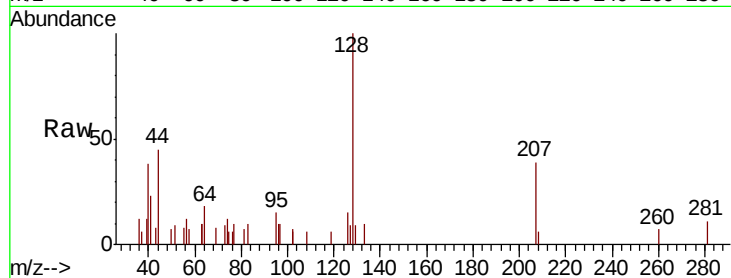




#95
Naphthalene
Concen: 2.476 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011712.D
Acq: 05 Aug 2019 16:32

Instrument :
MSVOA_W
ClientSampleId :
1S-A3-(0-1)

Tgt Ion:128 Resp: 1500
Ion Ratio Lower Upper
128 100
127 7.5 10.6 16.0#
129 10.1 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

