

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080619\
 Data File : VW011718.D
 Acq On : 05 Aug 2019 19:06
 Operator : SY/VA
 Sample : K4154-02
 Misc : 4.37G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PS-2

Quant Time: Aug 06 08:05:27 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	206982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	341695	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	273365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	102488	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	136910	57.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.20%	
35) Dibromofluoromethane	7.88	113	106629	55.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.24%	
50) Toluene-d8	10.32	98	412788	52.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.18%	
62) 4-Bromofluorobenzene	12.62	95	125067	44.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.40%	

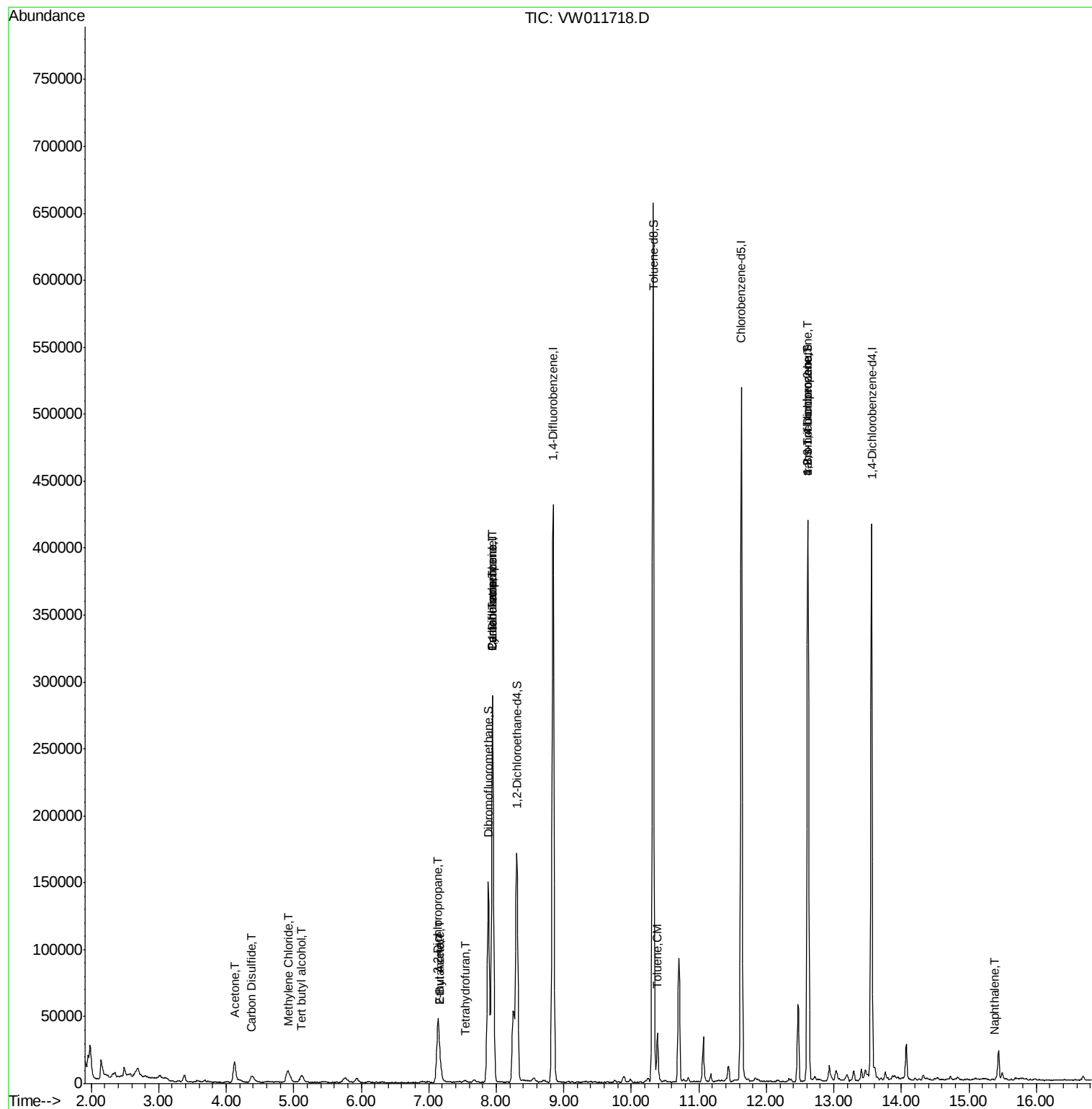
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	6948	23.454	ug/l #	73
16) Acetone	4.12	43	29196	38.617	ug/l	100
17) Carbon Disulfide	4.38	76	9315	1.381	ug/l	98
20) Methylene Chloride	4.92	84	6188	2.373	ug/l	96
25) 2-Butanone	7.17	43	16220	16.396	ug/l	97
26) 2,2-Dichloropropane	7.14	77	3165	1.112	ug/l #	54
29) Tetrahydrofuran	7.54	42	1371	2.424	ug/l #	74
31) Cyclohexane	7.94	56	5301	1.193	ug/l #	15
36) 1,1-Dichloropropene	7.95	75	17739	4.993	ug/l #	52
37) Ethyl Acetate	7.17	43	16220	7.935	ug/l #	73
38) Carbon Tetrachloride	7.95	117	21103	6.938	ug/l #	16
52) Toluene	10.38	92	15175	2.525	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	68680	63.332	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	68680	145.959	ug/l #	6
95) Naphthalene	15.38	128	378	2.156	ug/l #	69

(#) = 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: VW011718.D

Acq: 05 Aug 2019 19:06

Instrument :

MSVOA_W

ClientSampled :

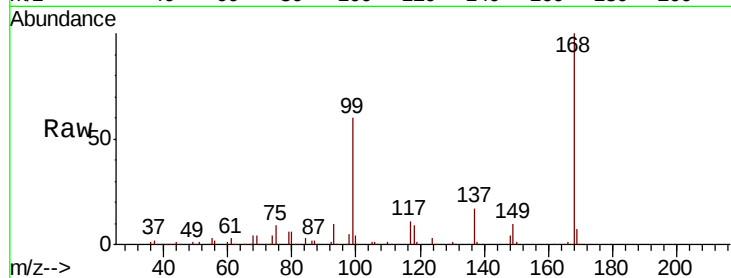
PS-2

Tgt Ion:168 Resp: 206982

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

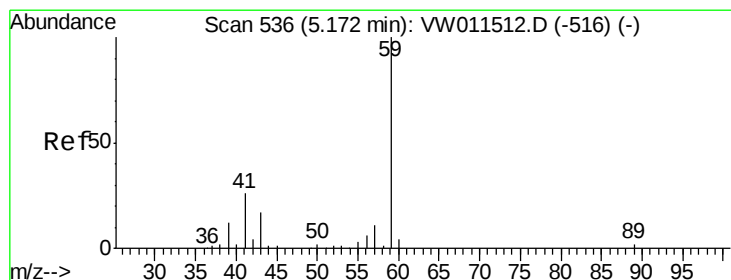
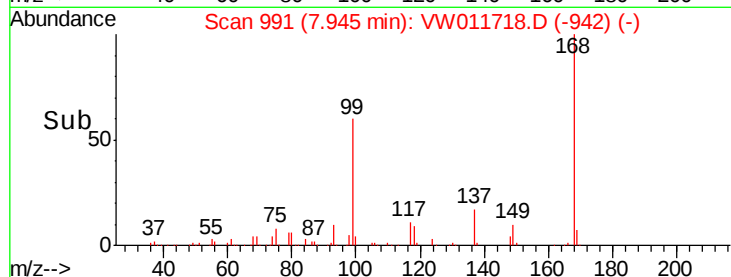
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 23.454 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW011718.D

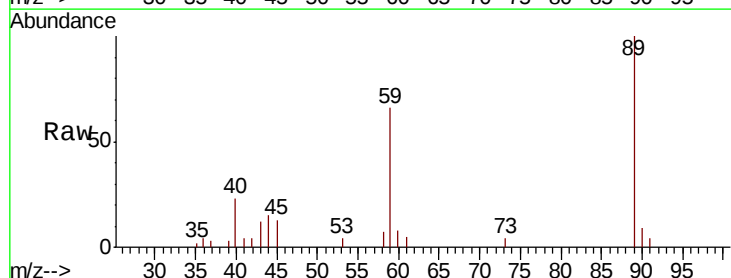
Acq: 05 Aug 2019 19:06

Tgt Ion: 59 Resp: 6948

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

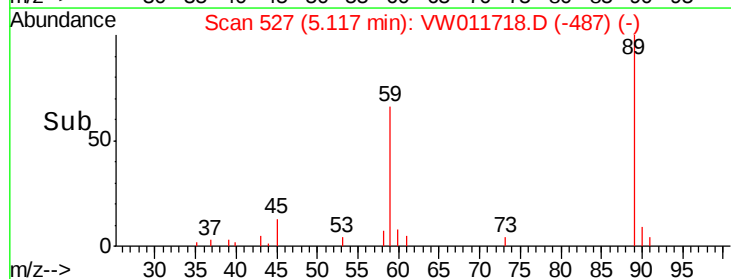
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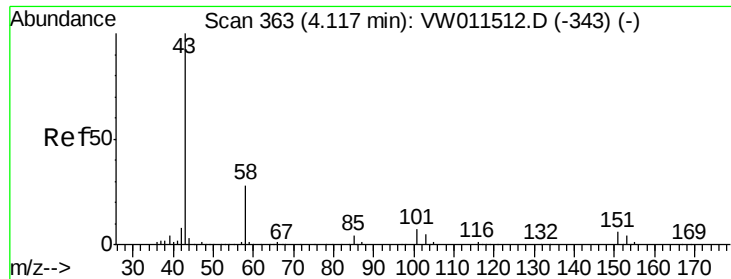
1000

500

0

Time-->





#16

Acetone

Concen: 38.617 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011718.D

Acq: 05 Aug 2019 19:06

Instrument :

MSVOA_W

ClientSampleId :

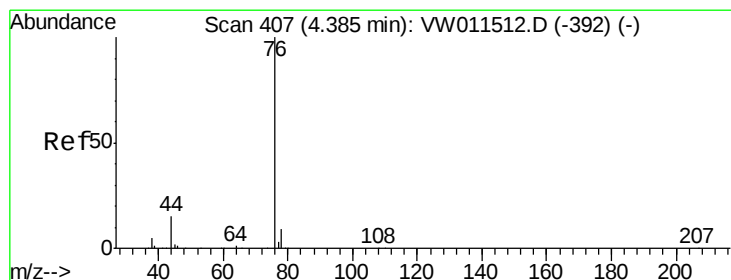
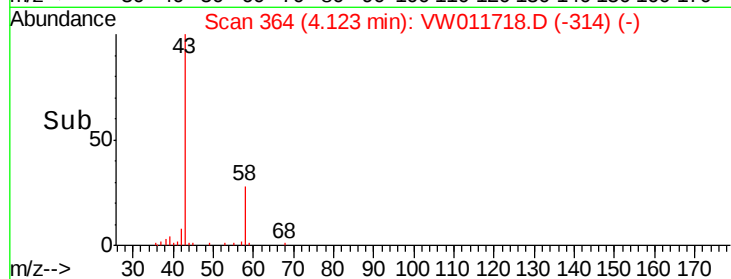
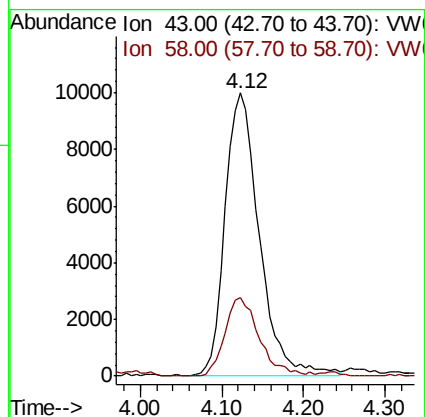
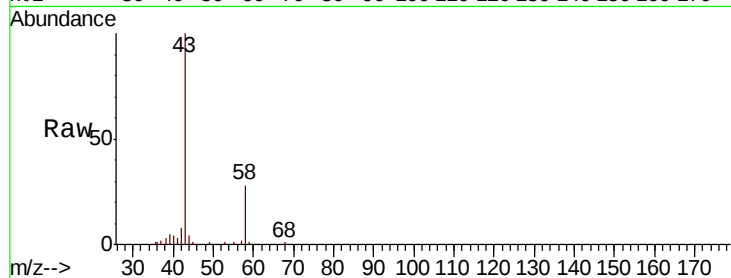
PS-2

Tgt Ion: 43 Resp: 29196

Ion Ratio Lower Upper

43 100

58 27.9 22.3 33.5



#17

Carbon Disulfide

Concen: 1.381 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011718.D

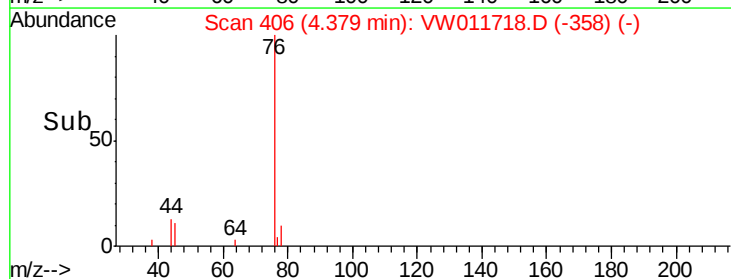
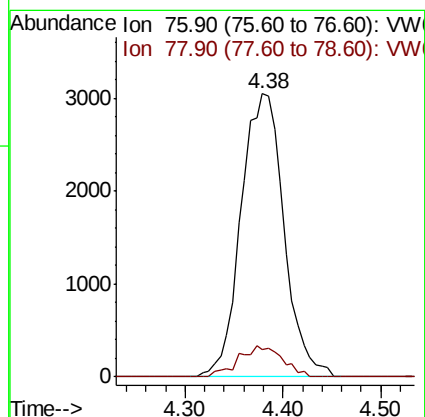
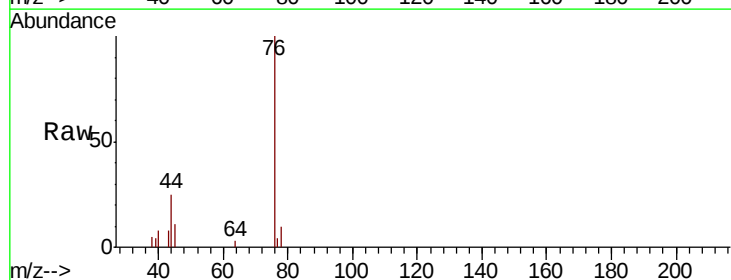
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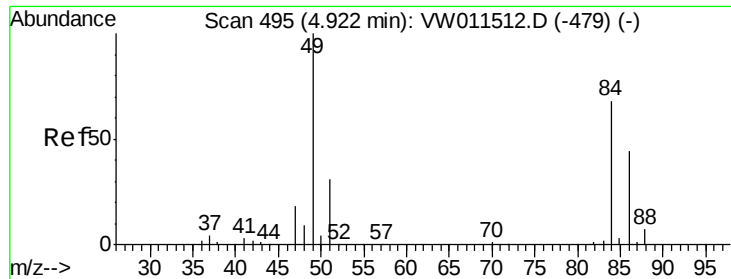
Tgt Ion: 76 Resp: 9315

Ion Ratio Lower Upper

76 100

78 9.7 7.1 10.7

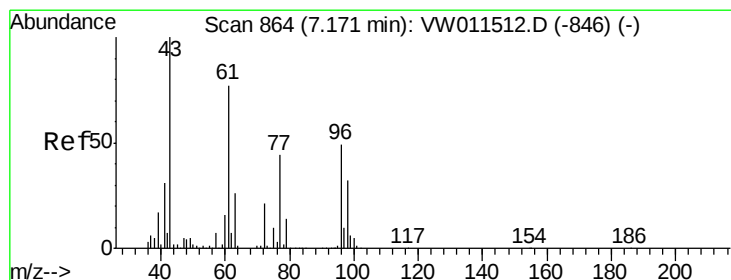
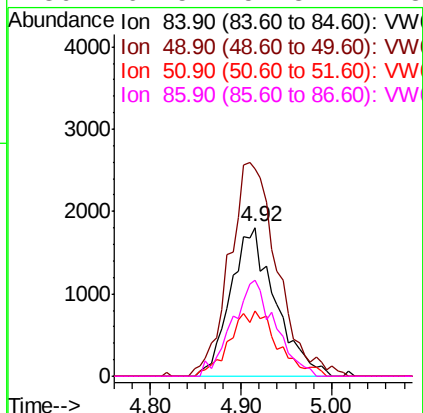
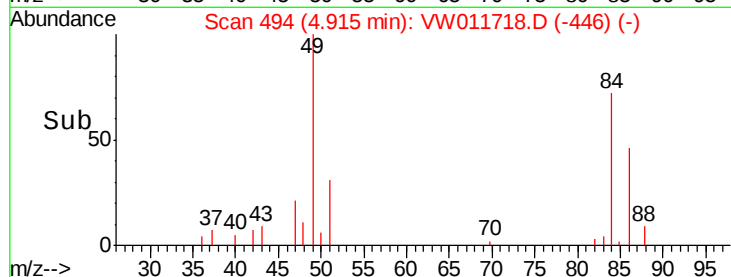
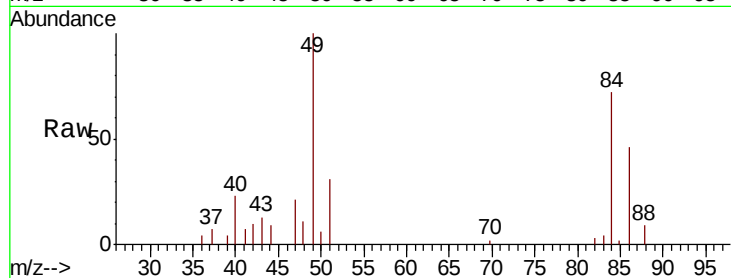




#20
Methylene Chloride
Concen: 2.373 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011718.D
Acq: 05 Aug 2019 19:06

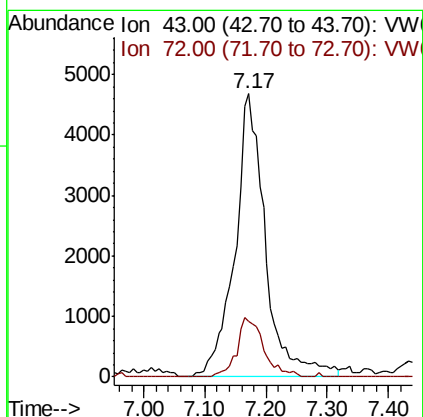
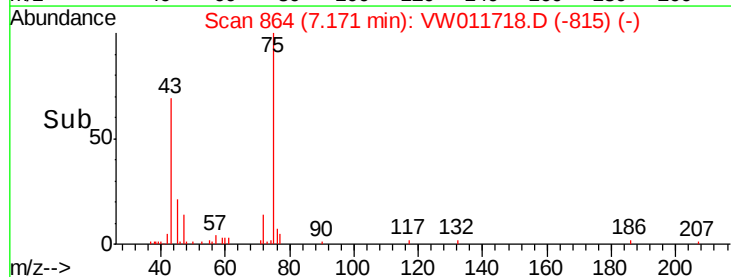
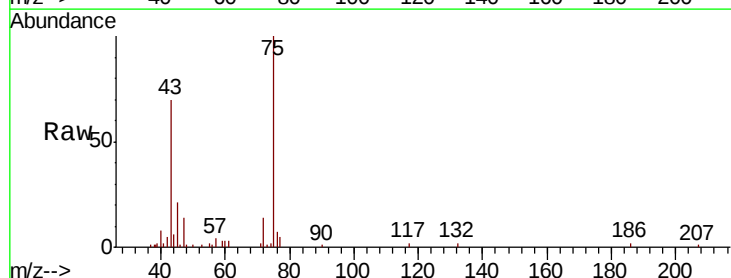
Instrument :
MSVOA_W
ClientSampleId :
PS-2

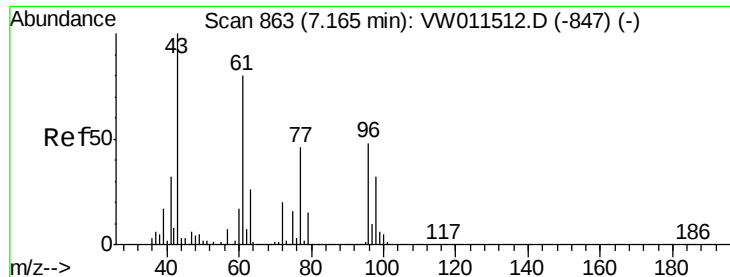
Tgt Ion: 84 Resp: 6188
Ion Ratio Lower Upper
84 100
49 139.4 117.8 176.6
51 43.7 37.0 55.4
86 64.5 51.8 77.8



#25
2-Butanone
Concen: 16.396 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW011718.D
Acq: 05 Aug 2019 19:06

Tgt Ion: 43 Resp: 16220
Ion Ratio Lower Upper
43 100
72 19.5 16.6 24.8





#26

2,2-Dichloropropane

Concen: 1.112 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011718.D

Acq: 05 Aug 2019 19:06

Instrument :

MSVOA_W

ClientSampleId :

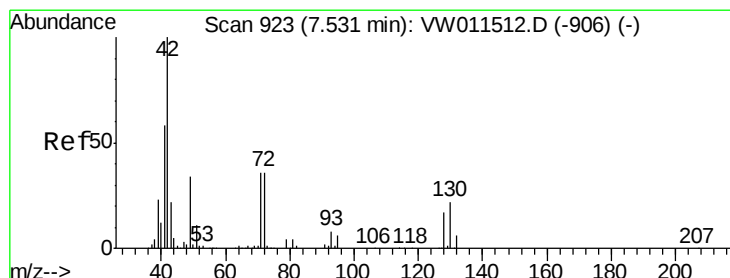
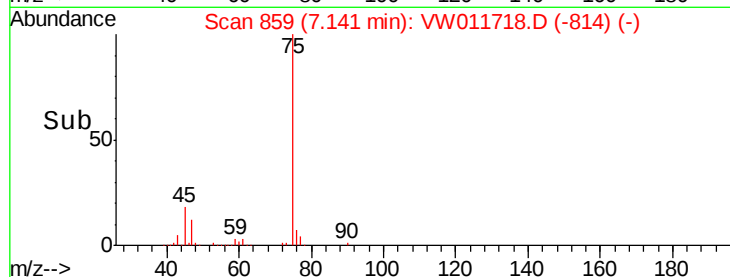
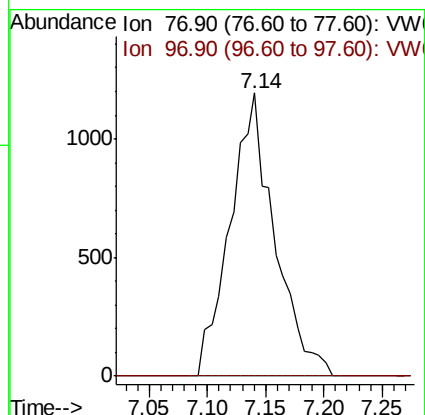
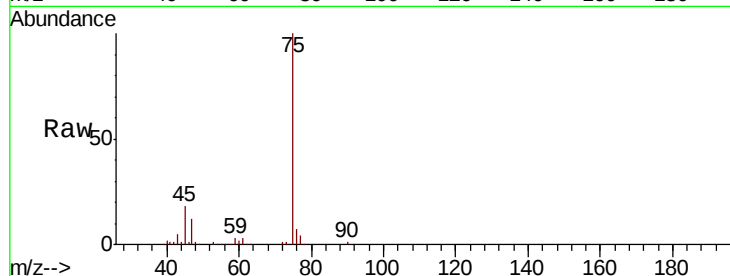
PS-2

Tgt Ion: 77 Resp: 3165

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#29

Tetrahydrofuran

Concen: 2.424 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011718.D

Acq: 05 Aug 2019 19:06

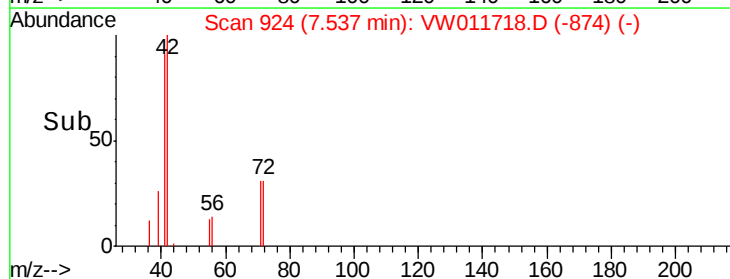
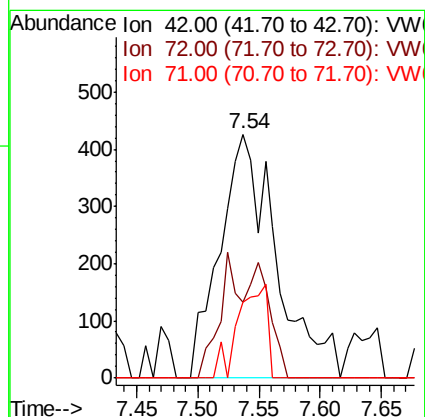
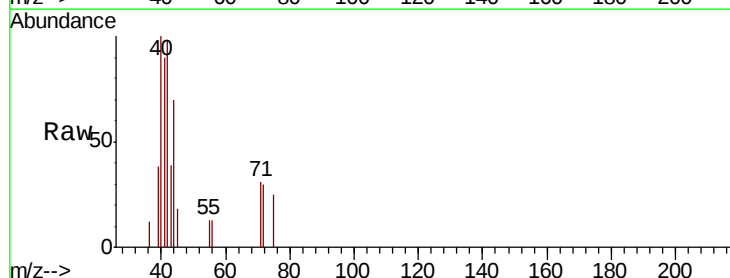
Tgt Ion: 42 Resp: 1371

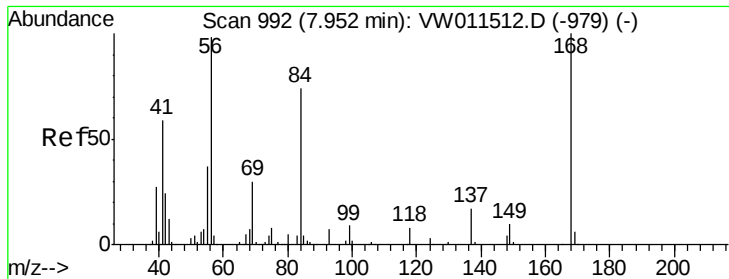
Ion Ratio Lower Upper

42 100

72 18.0 27.1 40.7#

71 19.7 26.2 39.4#

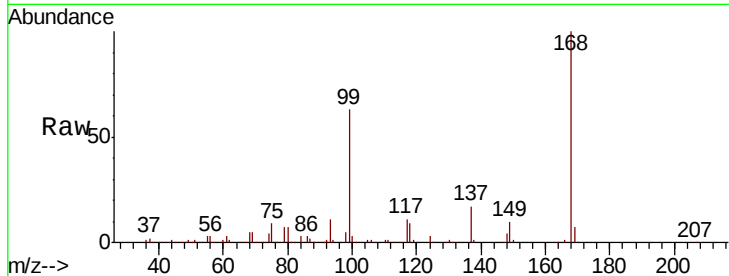




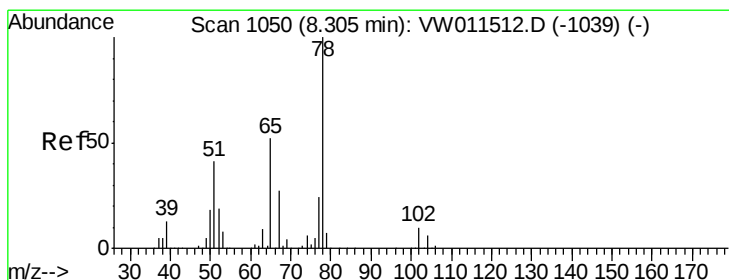
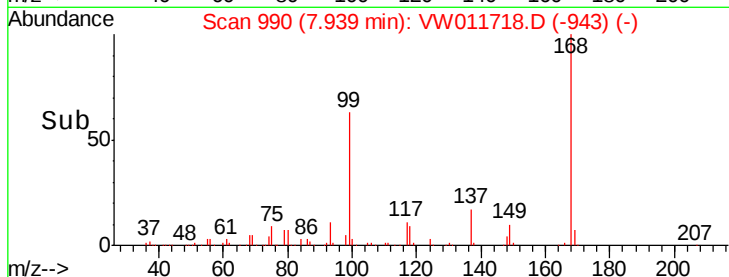
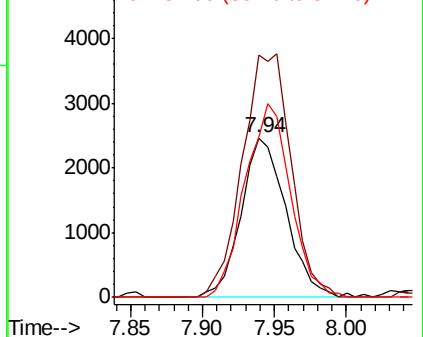
#31
Cyclohexane
Concen: 1.193 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011718.D
Acq: 05 Aug 2019 19:06

Instrument :
MSVOA_W
ClientSampled :
PS-2

Tgt Ion: 56 Resp: 5301
Ion Ratio Lower Upper
56 100
69 152.0 24.3 36.5#
84 100.4 60.4 90.6#

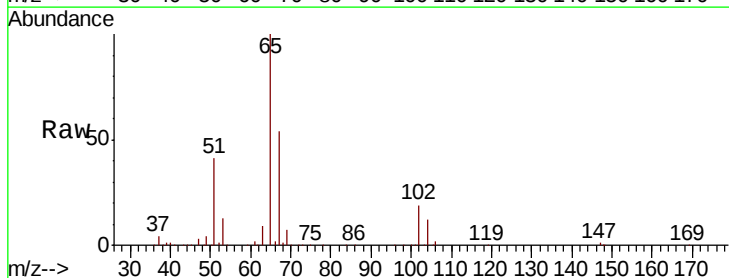


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

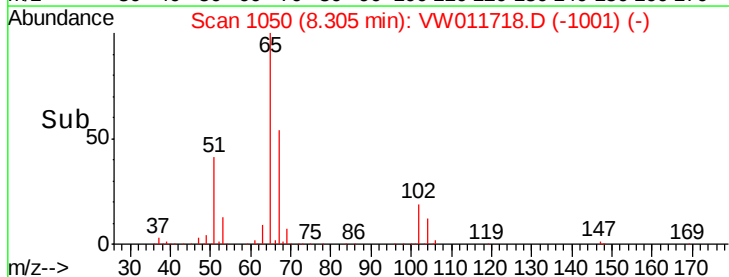
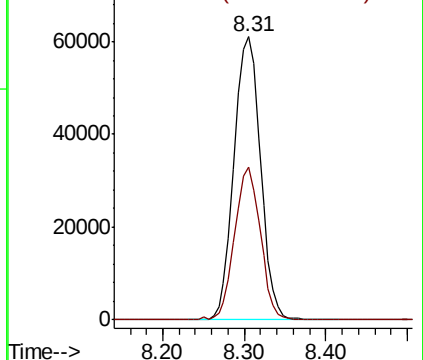


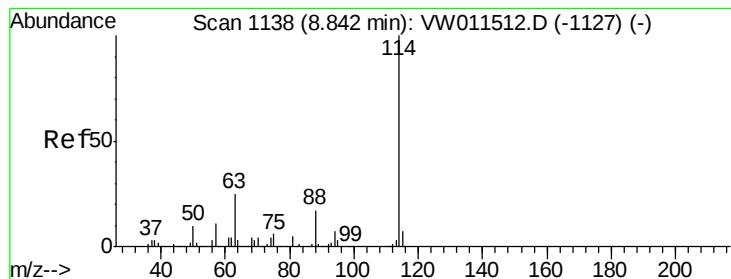
#33
1,2-Dichloroethane-d4
Concen: 57.604 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW011718.D
Acq: 05 Aug 2019 19:06

Tgt Ion: 65 Resp: 136910
Ion Ratio Lower Upper
65 100
67 52.4 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: VW011718.D

Acq: 05 Aug 2019 19:06

Instrument :

MSVOA_W

ClientSampleId :

PS-2

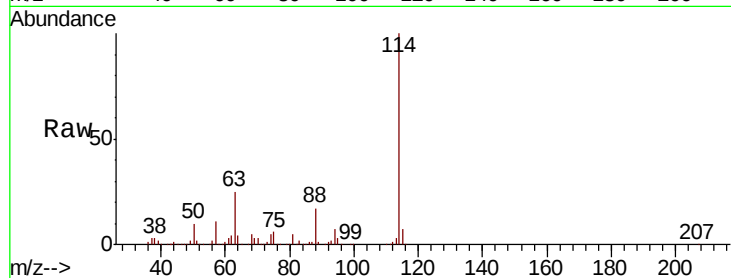
Tgt Ion:114 Resp: 341695

Ion Ratio Lower Upper

114 100

63 24.8 0.0 49.2

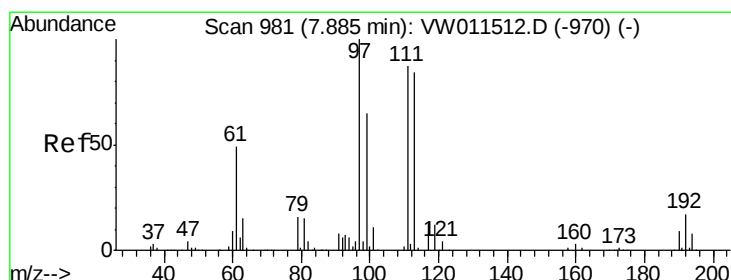
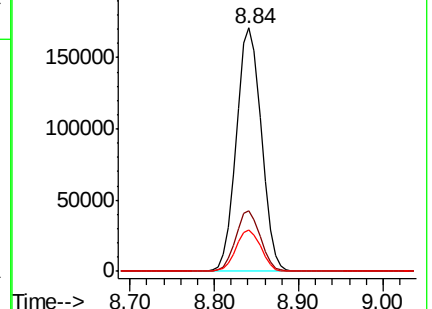
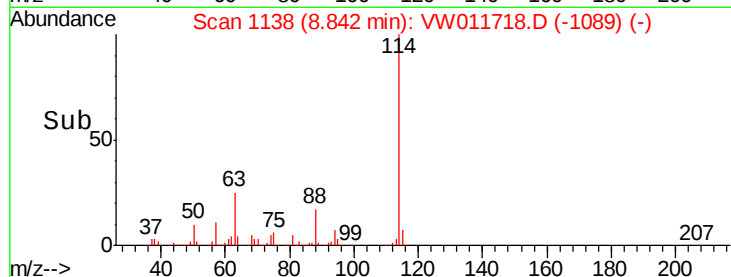
88 16.9 0.0 33.8



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: 55.624 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011718.D

Acq: 05 Aug 2019 19:06

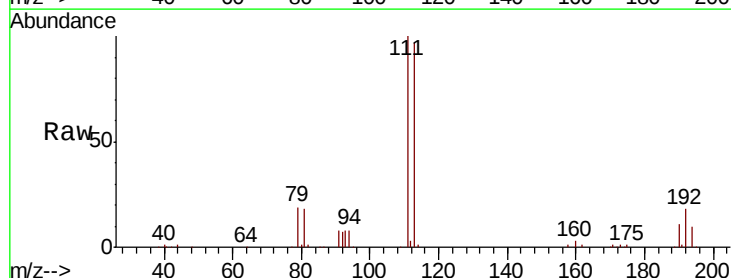
Tgt Ion:113 Resp: 106629

Ion Ratio Lower Upper

113 100

111 103.0 82.7 124.1

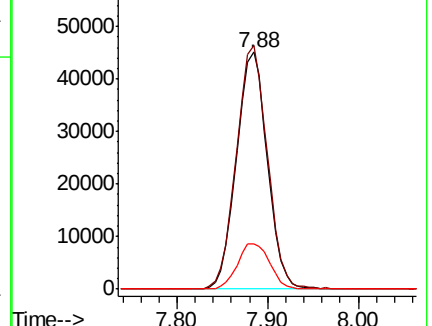
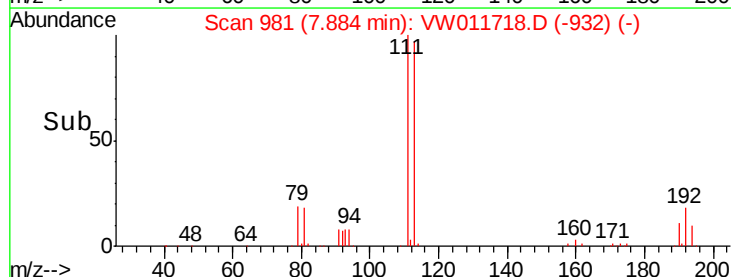
192 20.1 16.1 24.1

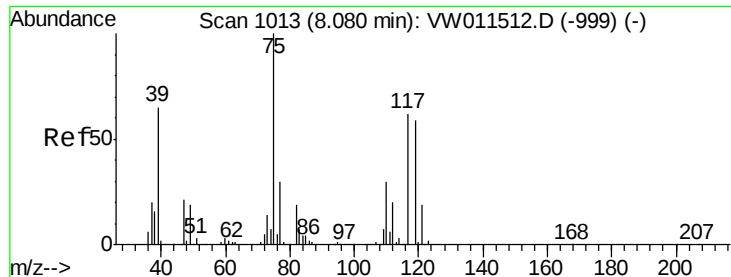


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

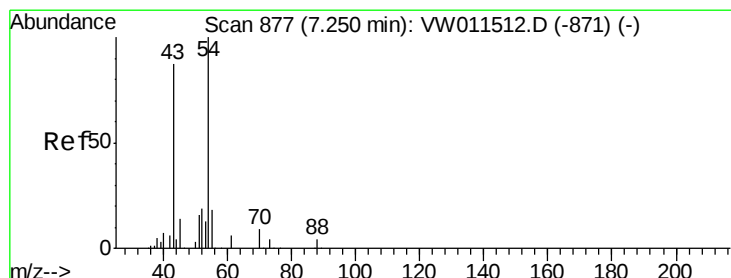
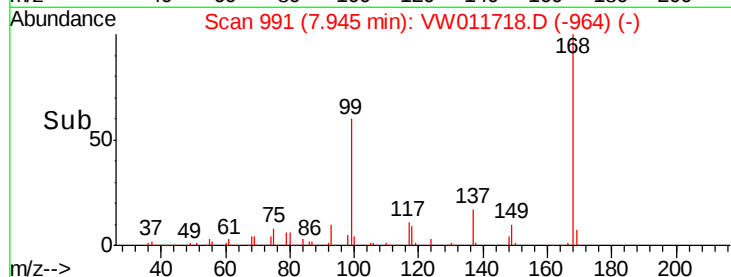
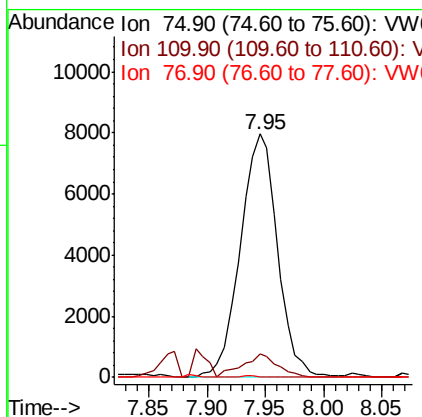
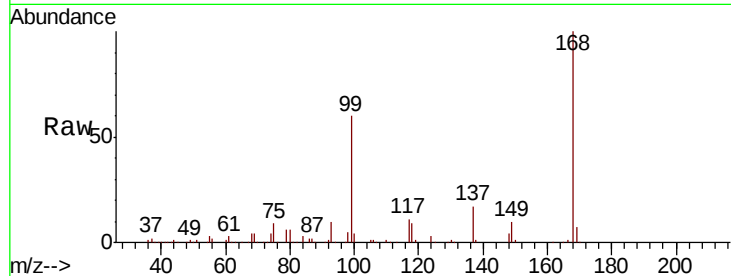




#36
 1,1-Dichloropropene
 Concen: 4.993 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011718.D
 Acq: 05 Aug 2019 19:06

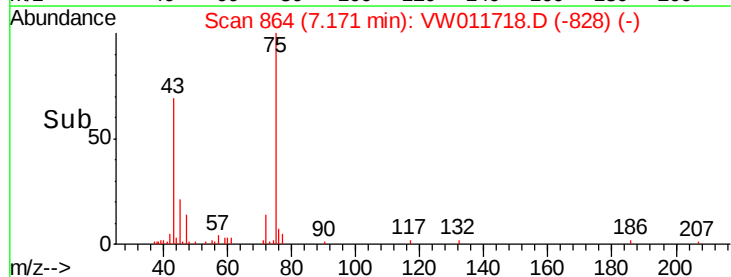
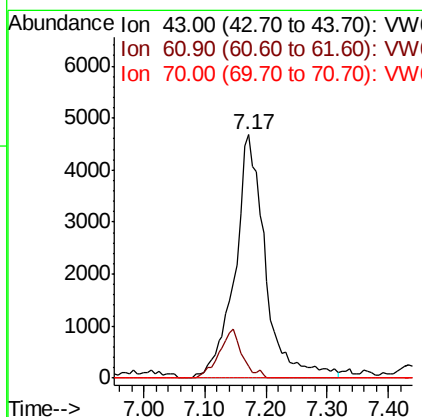
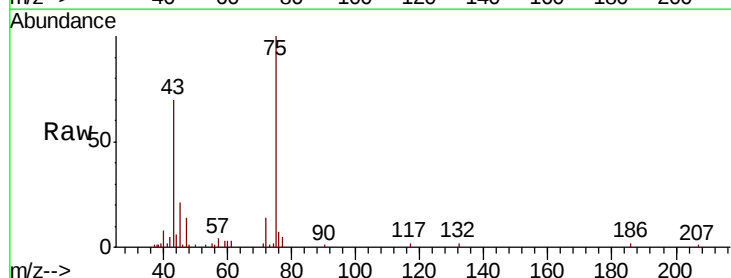
Instrument :
 MSVOA_W
 ClientSampled :
 PS-2

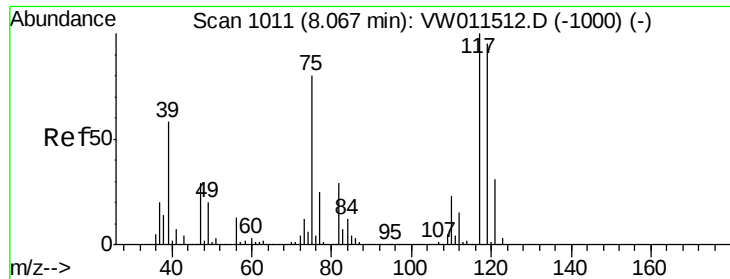
Tgt Ion: 75 Resp: 17739
 Ion Ratio Lower Upper
 75 100
 110 9.1 15.6 46.8#
 77 0.2 24.3 36.5#



#37
 Ethyl Acetate
 Concen: 7.935 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.08 min
 Lab File: VW011718.D
 Acq: 05 Aug 2019 19:06

Tgt Ion: 43 Resp: 16220
 Ion Ratio Lower Upper
 43 100
 61 0.0 8.8 13.2#
 70 0.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 6.938 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011718.D

Acq: 05 Aug 2019 19:06

Instrument :

MSVOA_W

ClientSampled :

PS-2

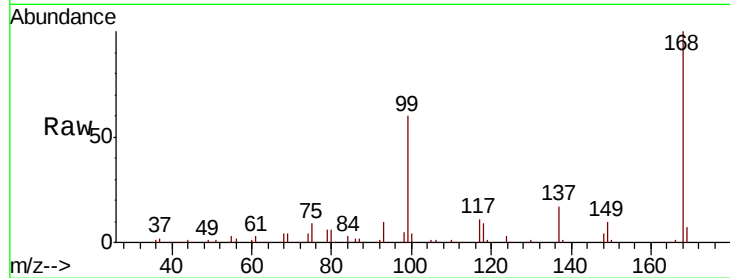
Tgt Ion:117 Resp: 21103

Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.6#

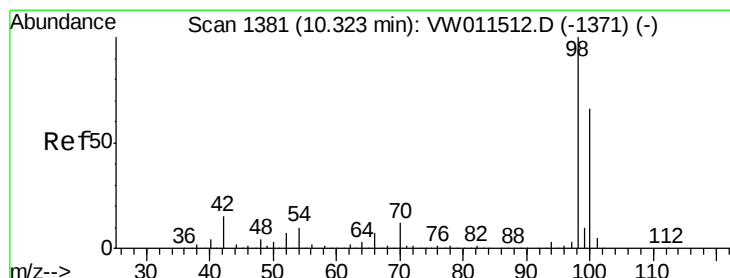
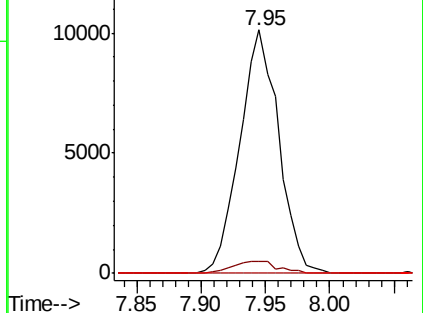
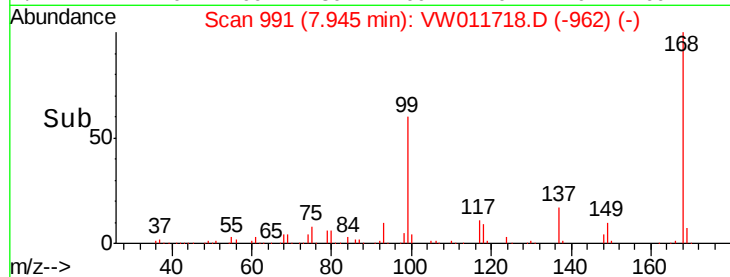
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 52.594 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011718.D

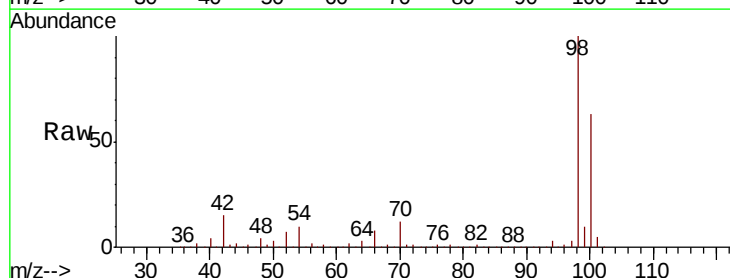
Acq: 05 Aug 2019 19:06

Tgt Ion: 98 Resp: 412788

Ion Ratio Lower Upper

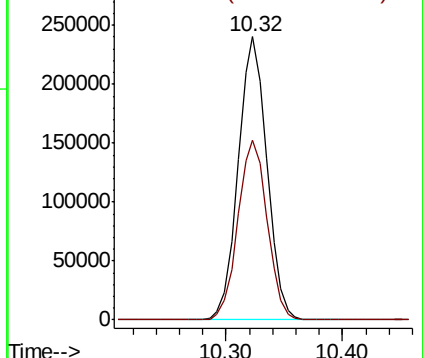
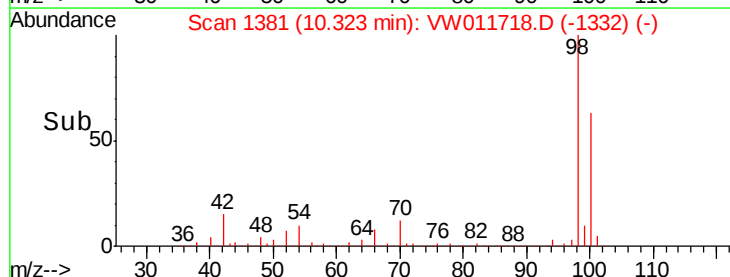
98 100

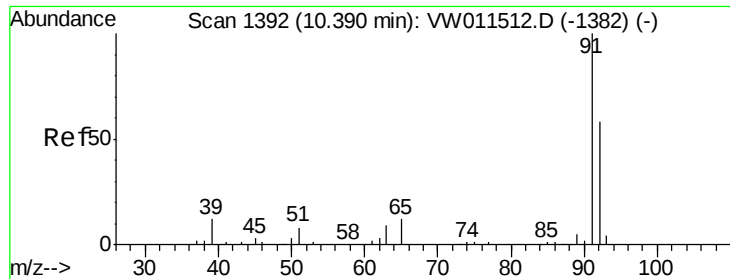
100 64.7 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 2.525 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011718.D

Acq: 05 Aug 2019 19:06

Instrument :

MSVOA_W

ClientSampleId :

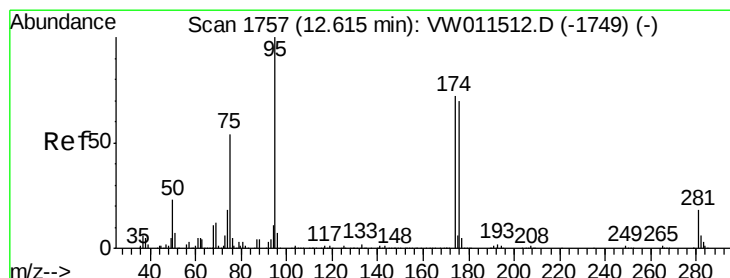
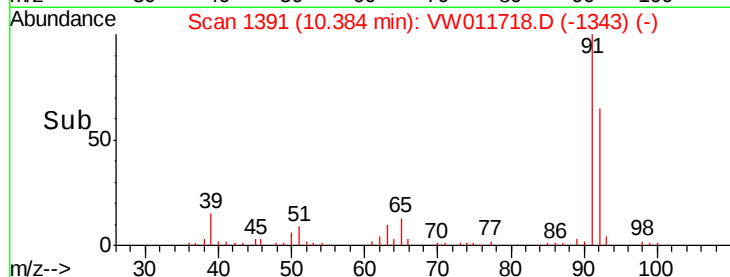
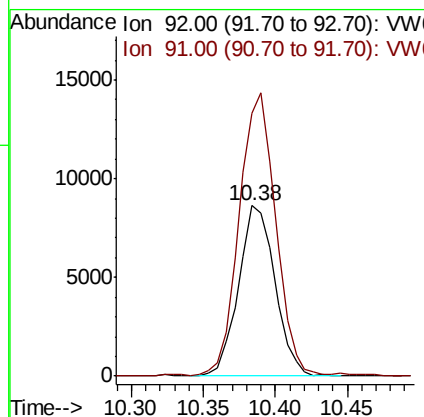
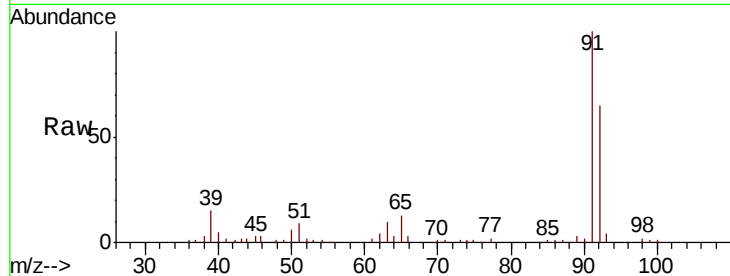
PS-2

Tgt Ion: 92 Resp: 15175

Ion Ratio Lower Upper

92 100

91 166.9 136.7 205.1



#62

4-Bromofluorobenzene

Concen: 44.696 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011718.D

Acq: 05 Aug 2019 19:06

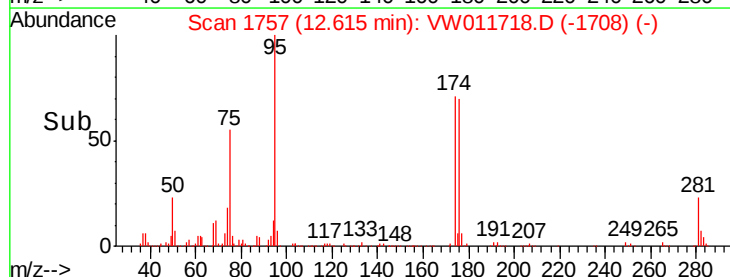
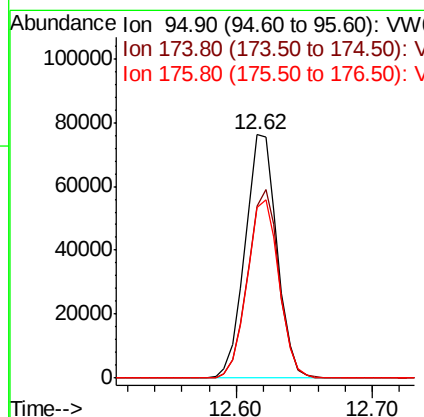
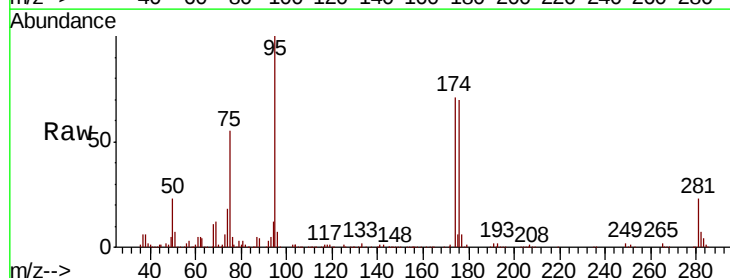
Tgt Ion: 95 Resp: 125067

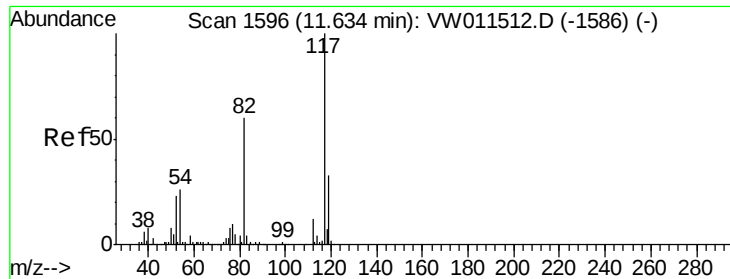
Ion Ratio Lower Upper

95 100

174 76.1 0.0 150.2

176 73.5 0.0 144.4

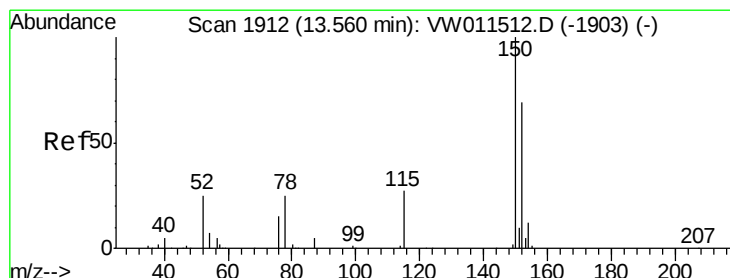
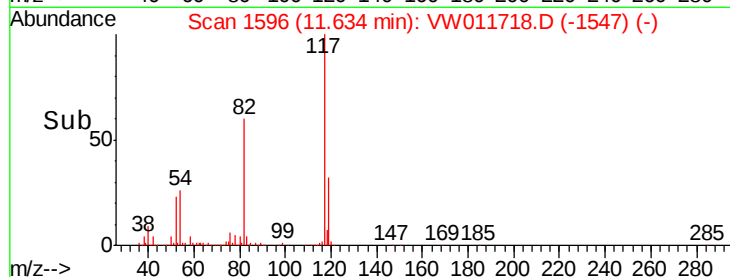
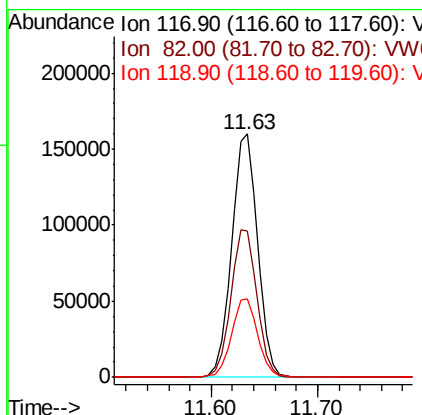
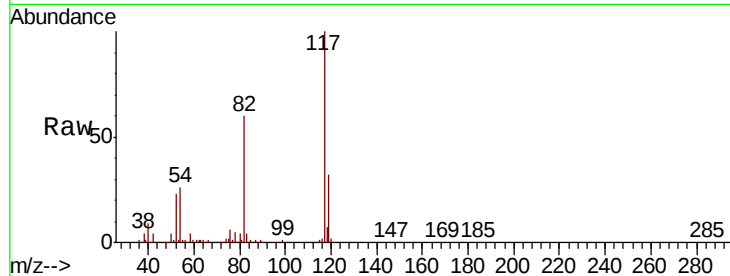




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011718.D
Acq: 05 Aug 2019 19:06

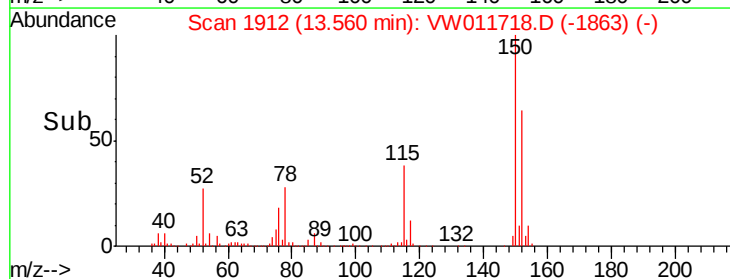
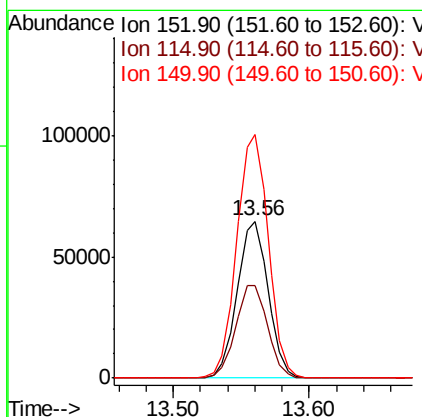
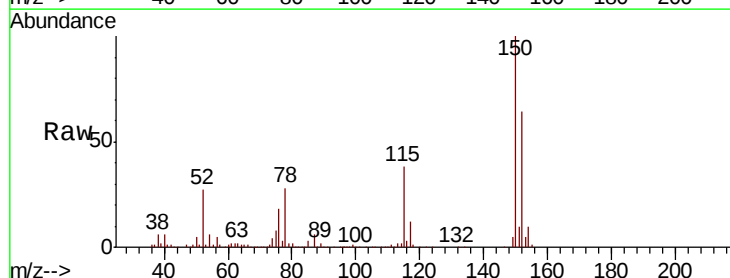
Instrument :
MSVOA_W
ClientSampleId :
PS-2

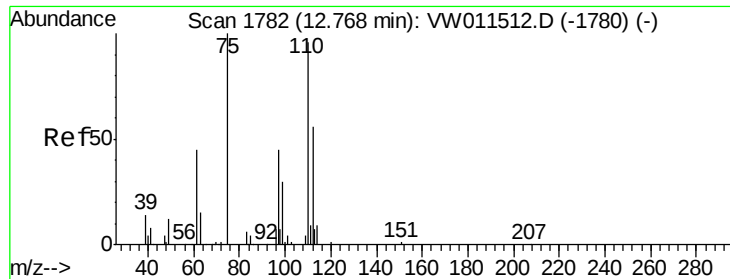
Tgt Ion:117 Resp: 273365
Ion Ratio Lower Upper
117 100
82 60.3 47.9 71.9
119 32.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011718.D
Acq: 05 Aug 2019 19:06

Tgt Ion:152 Resp: 102488
Ion Ratio Lower Upper
152 100
115 61.1 30.5 91.5
150 158.7 0.0 352.6

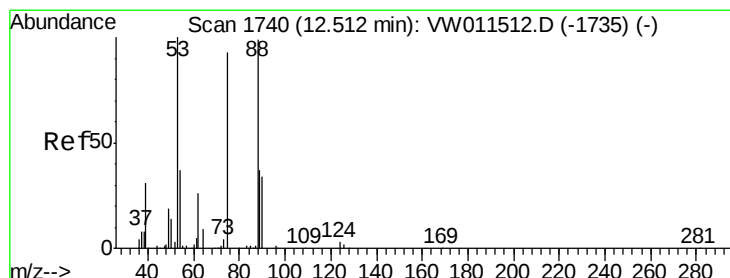
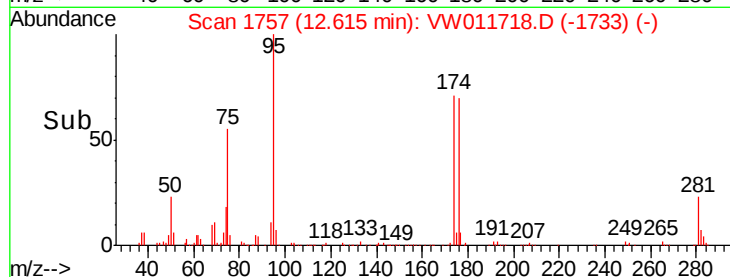
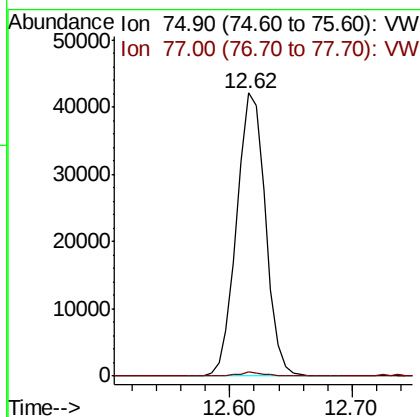
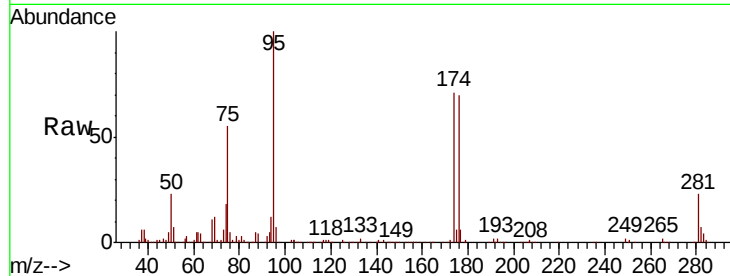




#76
 1,2,3-Trichloropropane
 Concen: 63.332 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011718.D
 Acq: 05 Aug 2019 19:06

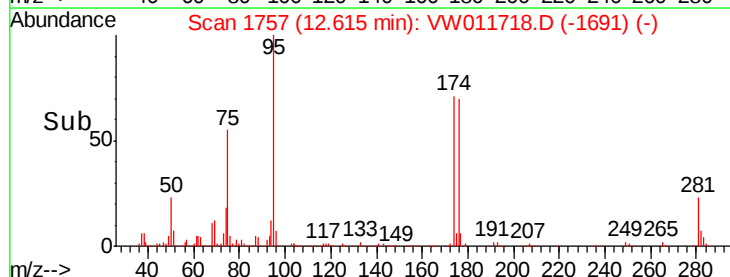
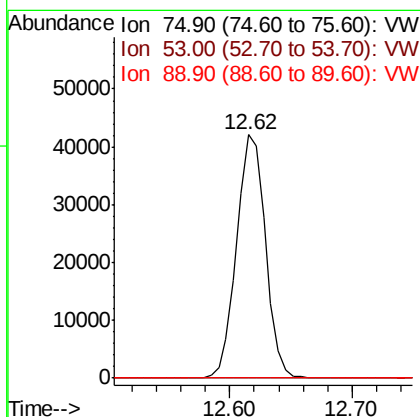
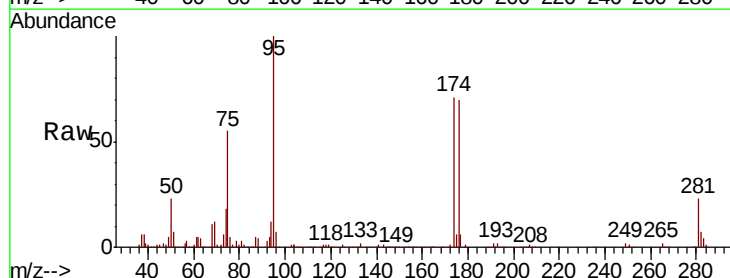
Instrument :
 MSVOA_W
 ClientSampleId :
 PS-2

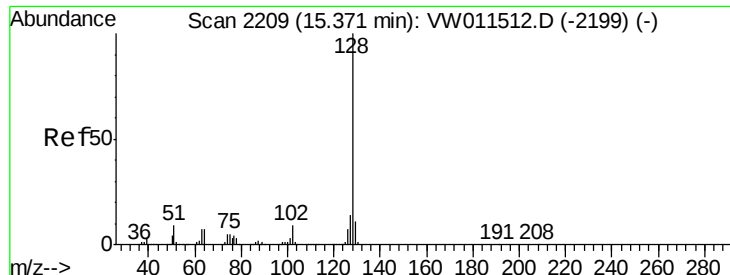
Tgt Ion: 75 Resp: 68680
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 145.959 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011718.D
 Acq: 05 Aug 2019 19:06

Tgt Ion: 75 Resp: 68680
 Ion Ratio Lower Upper
 75 100
 53 0.2 88.0 132.0#
 89 0.2 35.3 52.9#





#95

Naphthalene

Concen: 2.156 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW011718.D

Acq: 05 Aug 2019 19:06

Instrument :

MSVOA_W

ClientSampleId :

PS-2

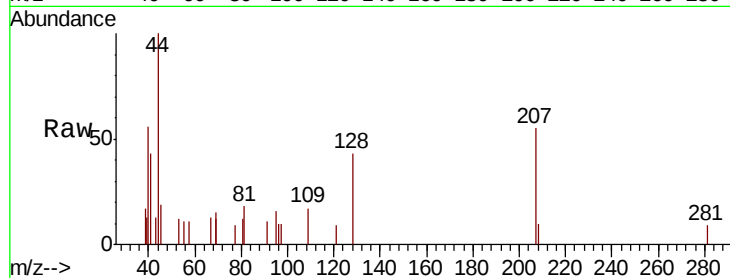
Tgt Ion:128 Resp: 378

Ion Ratio Lower Upper

128 100

127 0.0 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

