

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080619\
 Data File : VW011717.D
 Acq On : 05 Aug 2019 18:41
 Operator : SY/VA
 Sample : K4154-01
 Misc : 3.53G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PS-1

Quant Time: Aug 06 08:05:09 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	194340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	320789	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	255432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	93237	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	132293	59.28	ug/l	0.00
Spiked Amount			Recovery	=	118.56%	
35) Dibromofluoromethane	7.88	113	100661	55.93	ug/l	0.00
Spiked Amount			Recovery	=	111.86%	
50) Toluene-d8	10.32	98	386236	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
62) 4-Bromofluorobenzene	12.62	95	117325	44.66	ug/l	0.00
Spiked Amount			Recovery	=	89.32%	

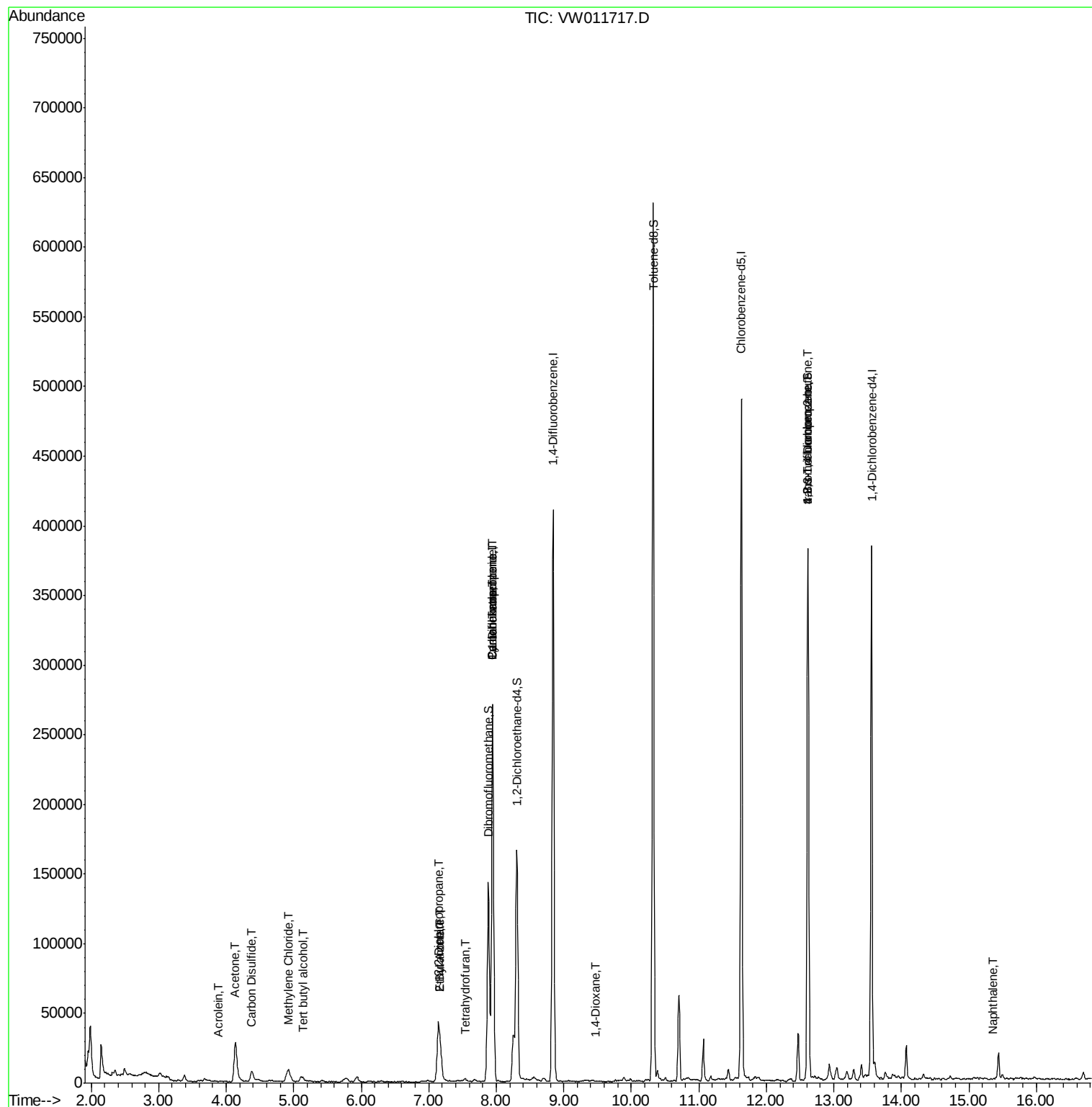
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	3742	5.266	ug/l #	72
13) Acrolein	3.88	56	173	1.080	ug/l #	1
16) Acetone	4.13	43	60833	85.698	ug/l	97
17) Carbon Disulfide	4.38	76	15989	2.524	ug/l #	90
20) Methylene Chloride	4.92	84	6138	2.507	ug/l	97
25) 2-Butanone	7.17	43	27335	29.428	ug/l	97
26) 2,2-Dichloropropane	7.15	77	2889	1.081	ug/l #	54
29) Tetrahydrofuran	7.54	42	1546	2.912	ug/l	98
31) Cyclohexane	7.94	56	5070	1.215	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17276	5.179	ug/l #	52
37) Ethyl Acetate	7.17	43	27203	14.175	ug/l #	73
38) Carbon Tetrachloride	7.95	117	19518	6.835	ug/l #	17
49) 1,4-Dioxane	9.46	88	30	1.816	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	62451	63.302	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	62451	145.889	ug/l #	7
95) Naphthalene	15.36	128	381	2.165	ug/l #	76

(#) = 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: VW011717.D

Acq: 05 Aug 2019 18:41

Instrument :

MSVOA_W

ClientSampled :

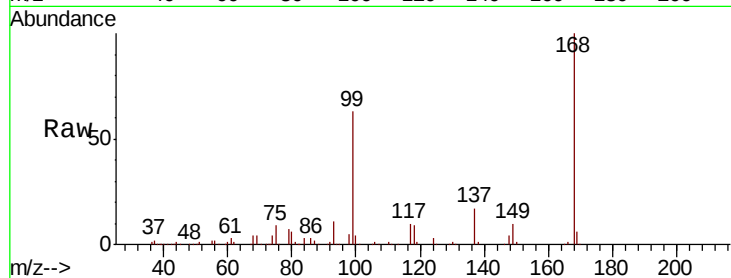
PS-1

Tgt Ion:168 Resp: 194340

Ion Ratio Lower Upper

168 100

99 63.4 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

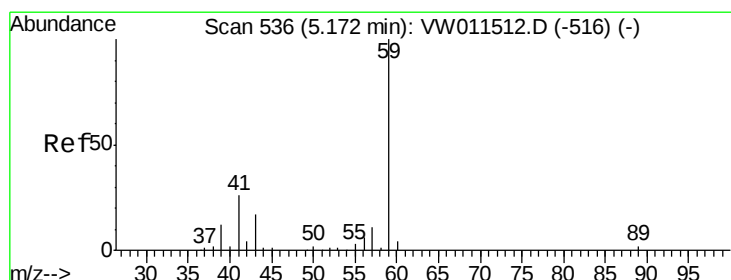
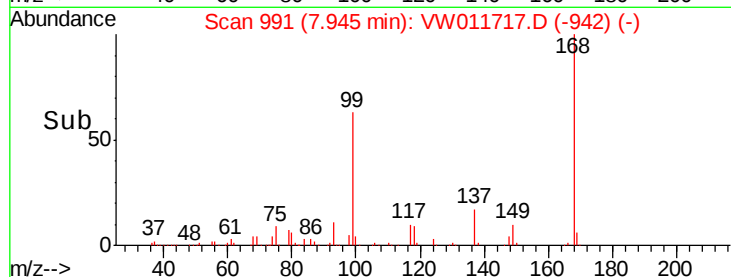
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 5.266 ug/l

RT: 5.13 min Scan# 530

Delta R.T. -0.04 min

Lab File: VW011717.D

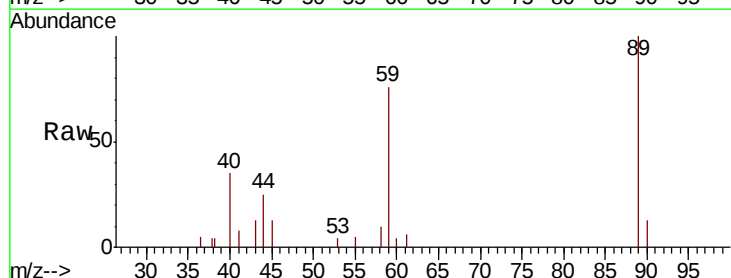
Acq: 05 Aug 2019 18:41

Tgt Ion: 59 Resp: 3742

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.13

1200

1000

800

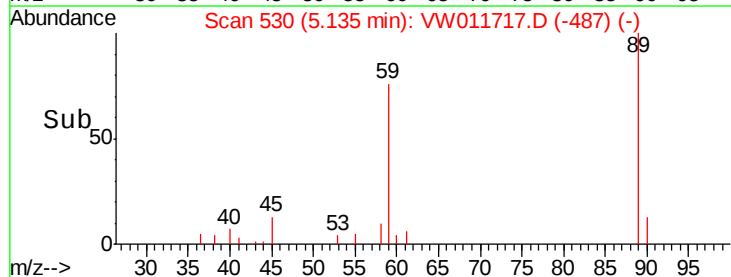
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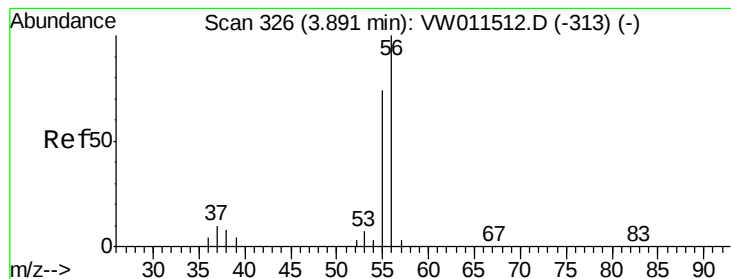
400

200

0

Time--> 5.05 5.10 5.15 5.20





#13

Acrolein

Concen: 1.080 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW011717.D

Acq: 05 Aug 2019 18:41

Instrument :

MSVOA_W

ClientSampled :

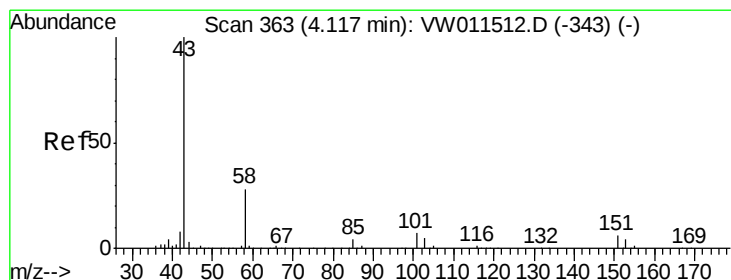
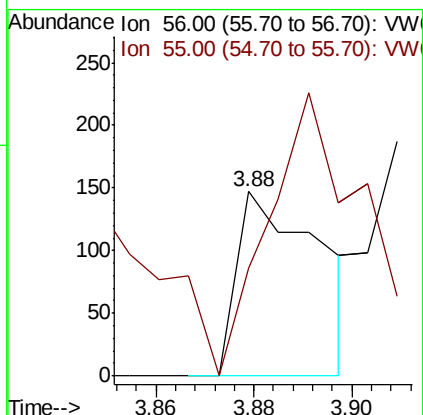
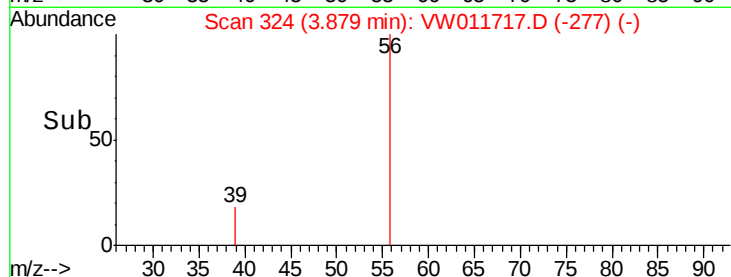
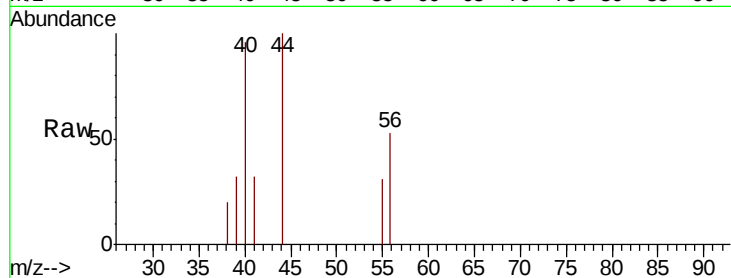
PS-1

Tgt Ion: 56 Resp: 173

Ion Ratio Lower Upper

56 100

55 201.7 56.0 84.0#



#16

Acetone

Concen: 85.698 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011717.D

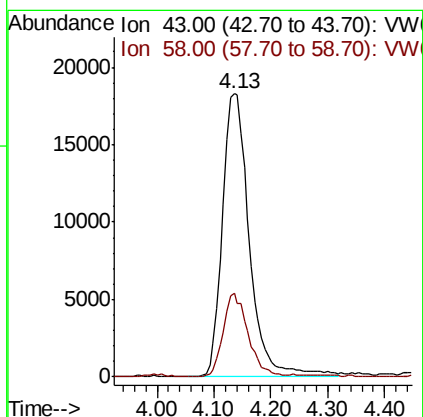
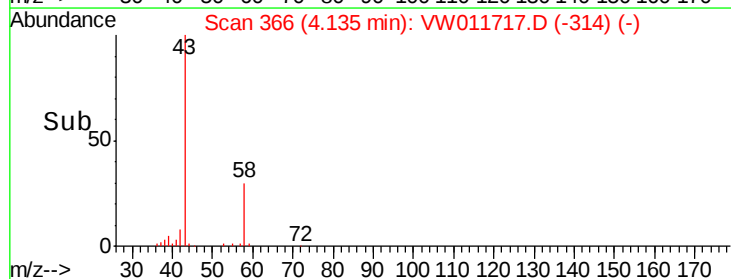
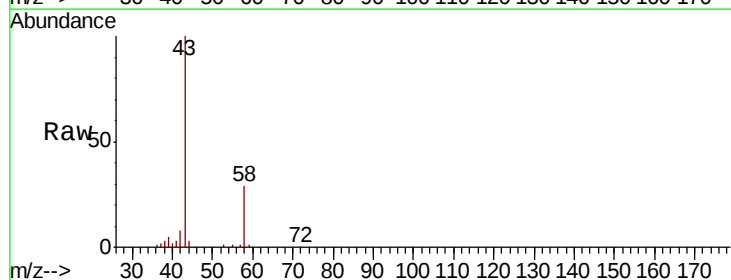
Acq: 05 Aug 2019 18:41

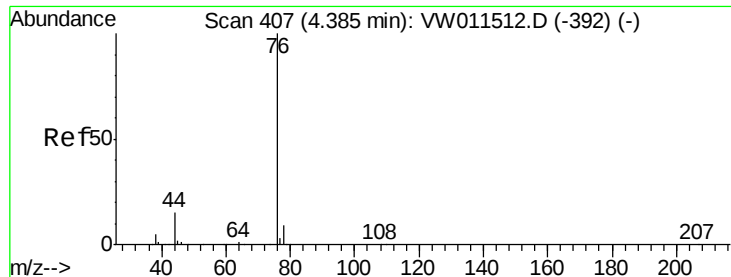
Tgt Ion: 43 Resp: 60833

Ion Ratio Lower Upper

43 100

58 29.4 22.3 33.5

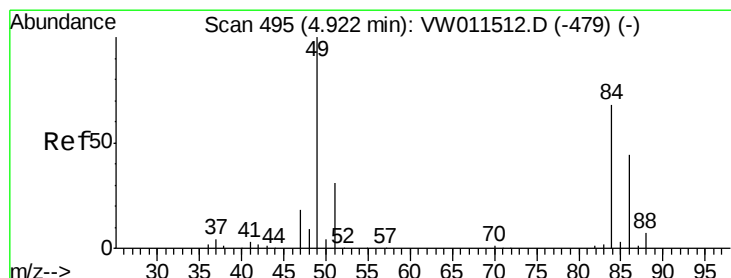
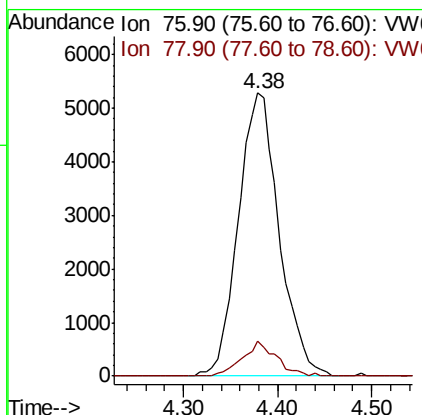
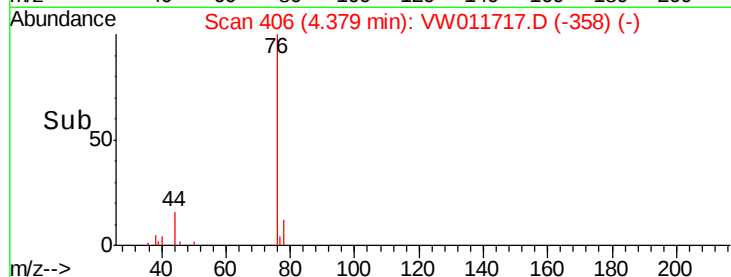
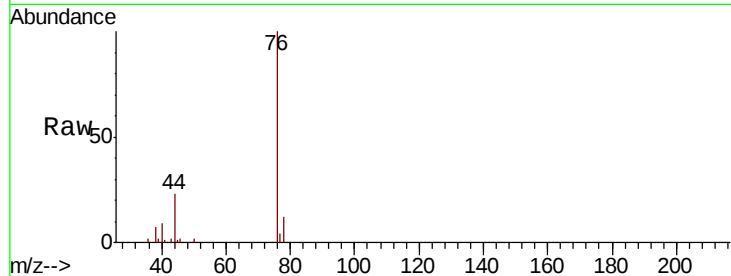




#17
Carbon Disulfide
Concen: 2.524 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011717.D
Acq: 05 Aug 2019 18:41

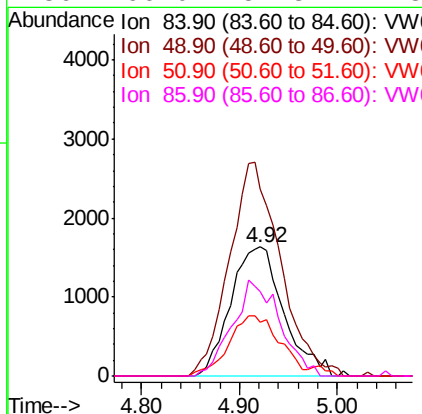
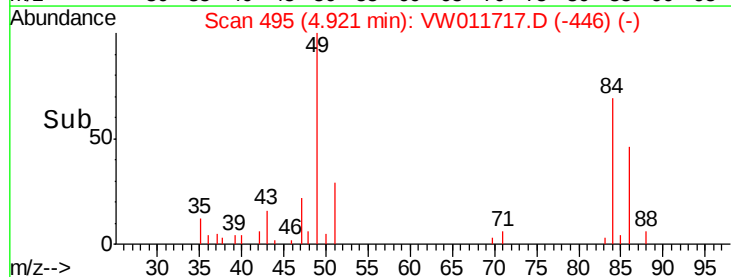
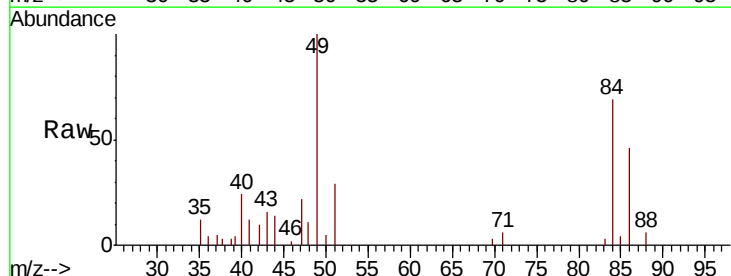
Instrument :
MSVOA_W
ClientSampleId :
PS-1

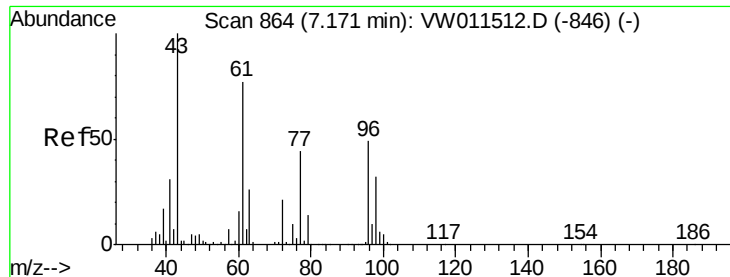
Tgt Ion: 76 Resp: 15989
Ion Ratio Lower Upper
76 100
78 12.4 7.1 10.7#



#20
Methylene Chloride
Concen: 2.507 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW011717.D
Acq: 05 Aug 2019 18:41

Tgt Ion: 84 Resp: 6138
Ion Ratio Lower Upper
84 100
49 144.7 117.8 176.6
51 41.5 37.0 55.4
86 66.0 51.8 77.8





#25

2-Butanone

Concen: 29.428 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011717.D

Acq: 05 Aug 2019 18:41

Instrument :

MSVOA_W

ClientSampled :

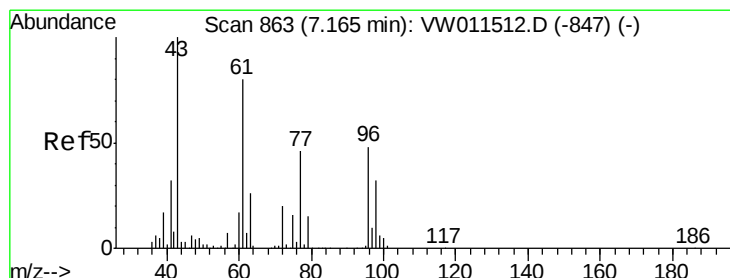
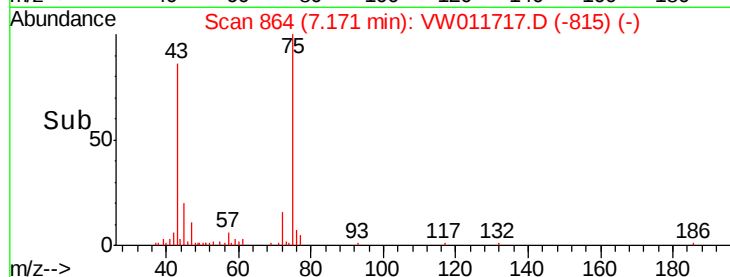
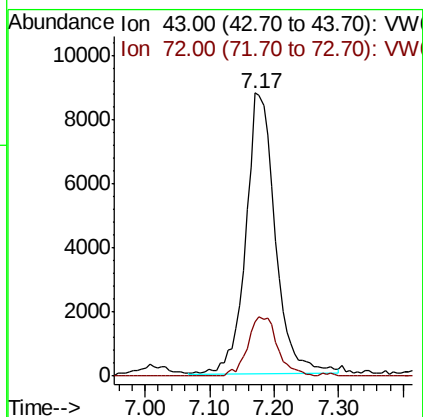
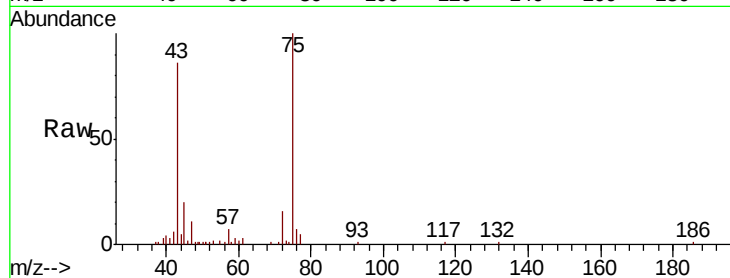
PS-1

Tgt Ion: 43 Resp: 27335

Ion Ratio Lower Upper

43 100

72 19.3 16.6 24.8



#26

2,2-Dichloropropane

Concen: 1.081 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011717.D

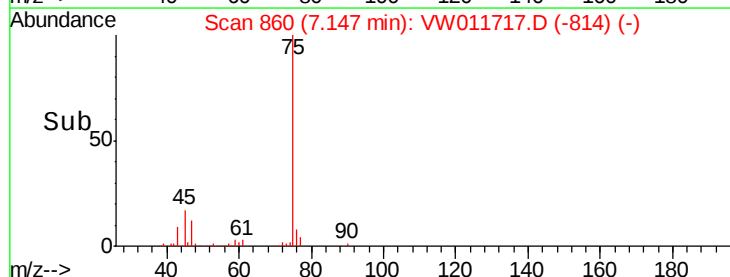
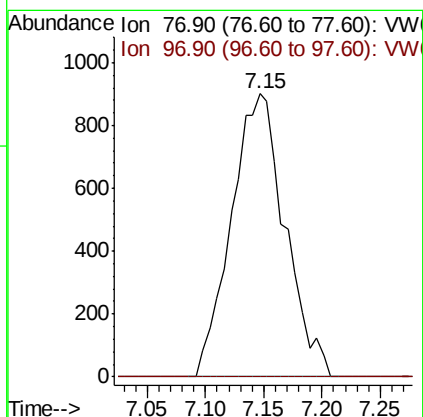
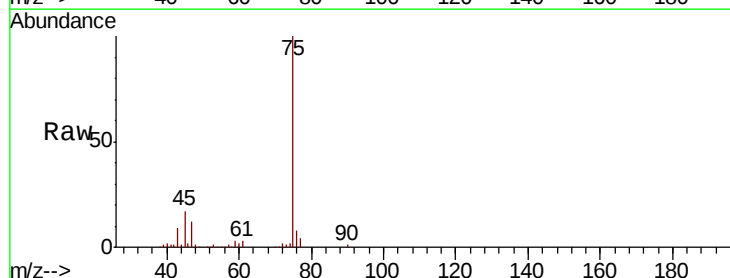
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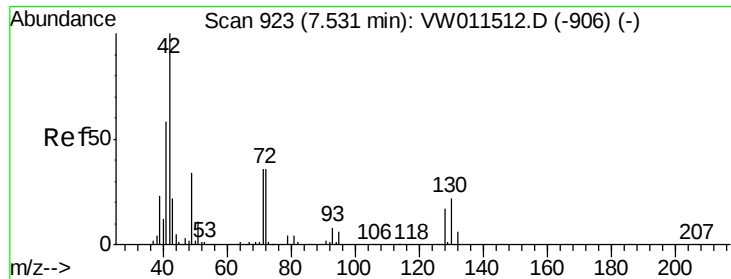
Tgt Ion: 77 Resp: 2889

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#

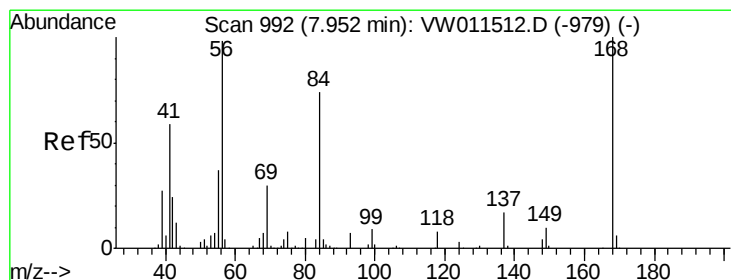
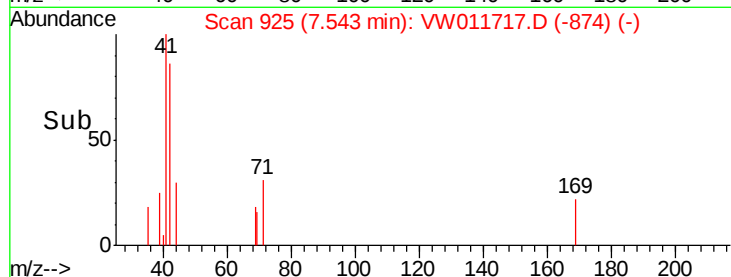
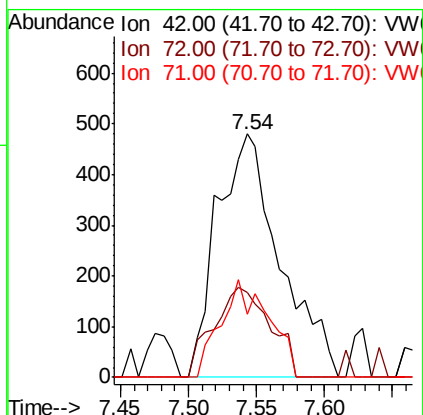
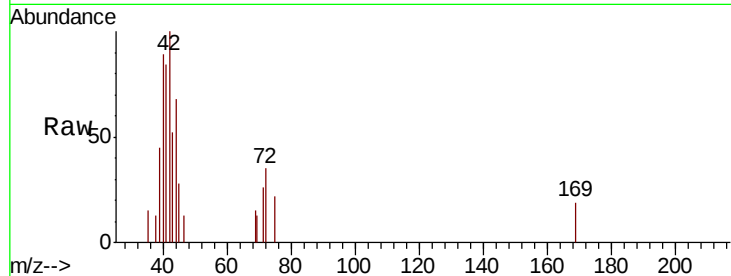




#29
Tetrahydrofuran
Concen: 2.912 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW011717.D
Acq: 05 Aug 2019 18:41

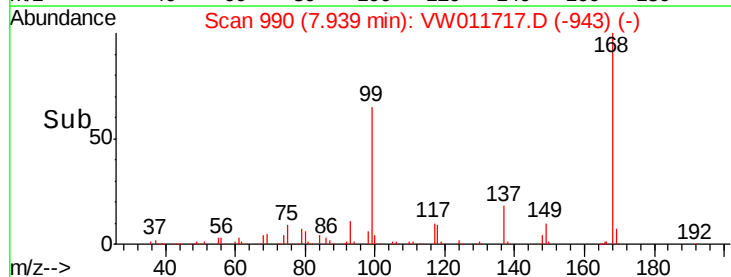
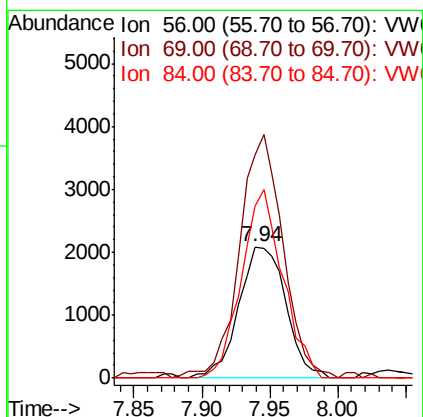
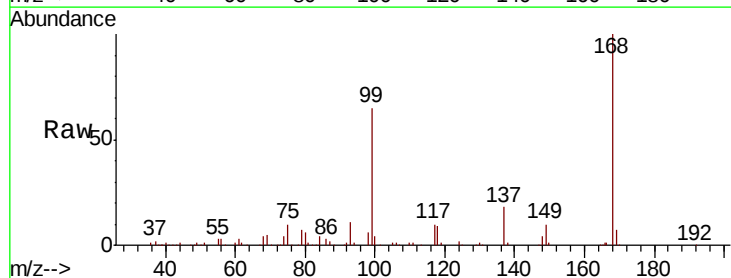
Instrument :
MSVOA_W
ClientSampled :
PS-1

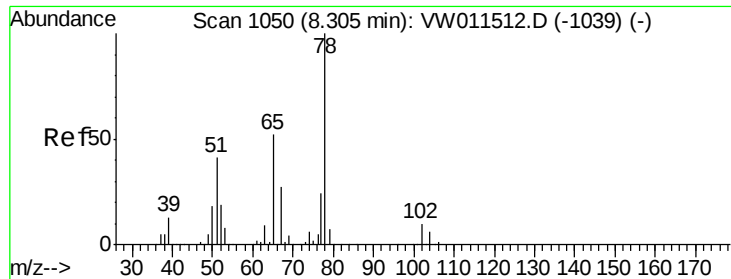
Tgt Ion: 42 Resp: 1546
Ion Ratio Lower Upper
42 100
72 33.5 27.1 40.7
71 30.7 26.2 39.4



#31
Cyclohexane
Concen: 1.215 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011717.D
Acq: 05 Aug 2019 18:41

Tgt Ion: 56 Resp: 5070
Ion Ratio Lower Upper
56 100
69 170.1 24.3 36.5#
84 130.8 60.4 90.6#

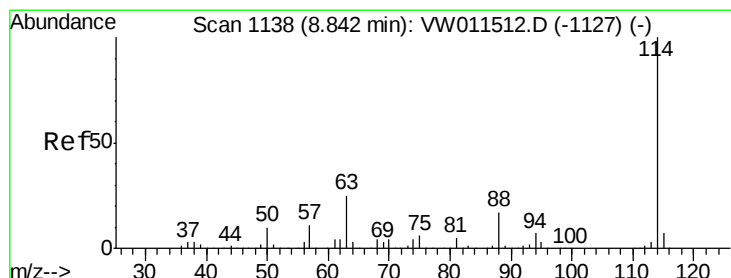
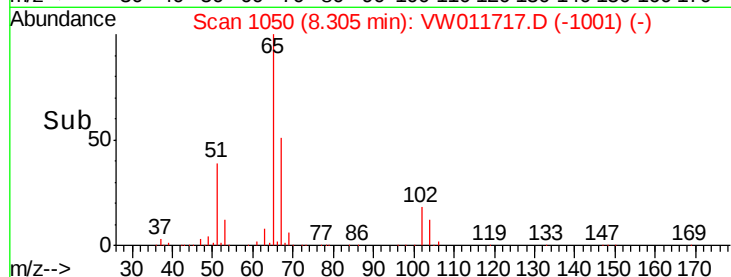
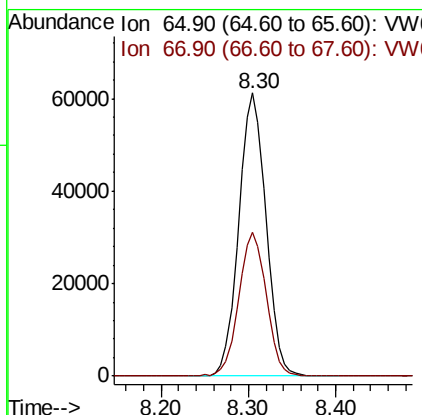
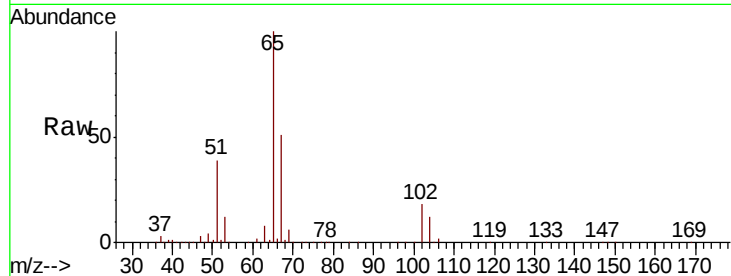




#33
 1,2-Dichloroethane-d4
 Concen: 59.283 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011717.D
 Acq: 05 Aug 2019 18:41

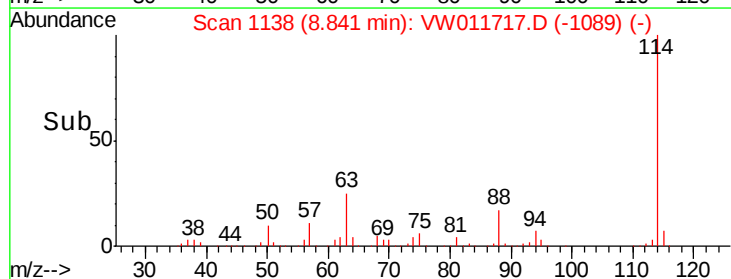
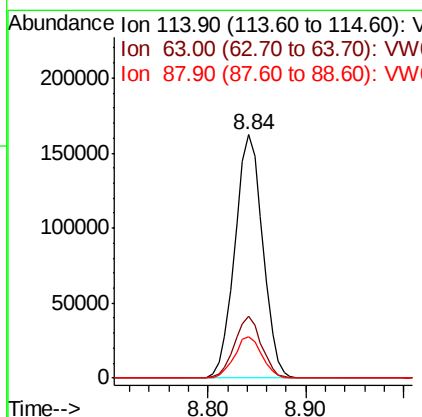
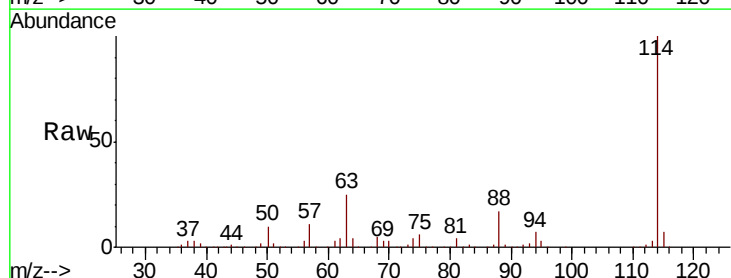
Instrument :
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 ClientSampleId :
 PS-1

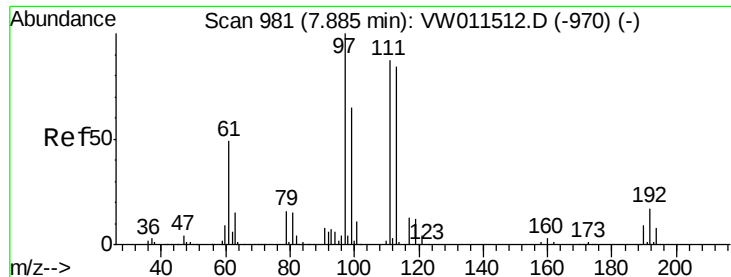
Tgt Ion: 65 Resp: 132293
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011717.D
 Acq: 05 Aug 2019 18:41

Tgt Ion: 114 Resp: 320789
 Ion Ratio Lower Upper
 114 100
 63 25.4 0.0 49.2
 88 16.8 0.0 33.8

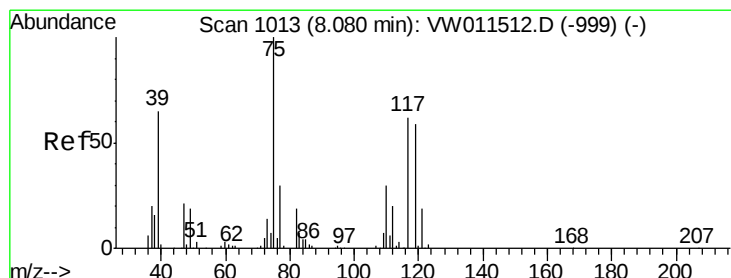
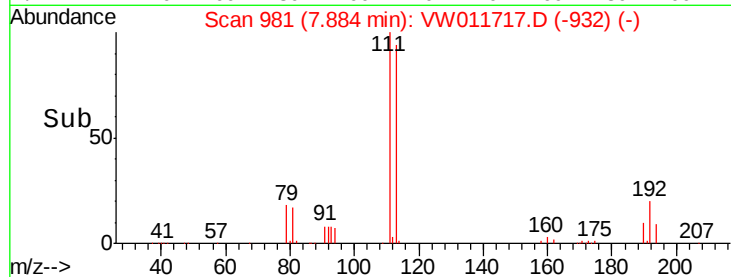
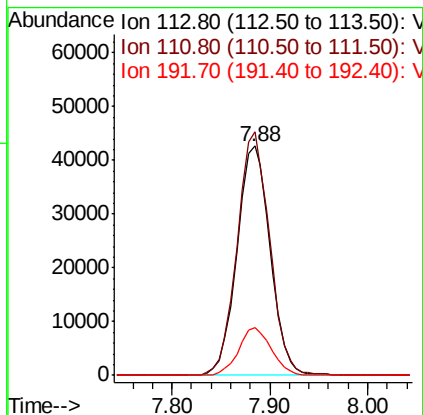
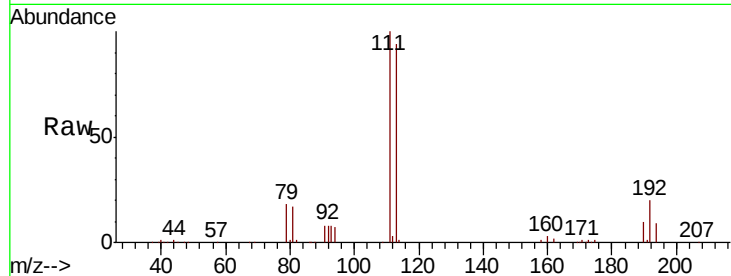




#35
 Dibromofluoromethane
 Concen: 55.933 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011717.D
 Acq: 05 Aug 2019 18:41

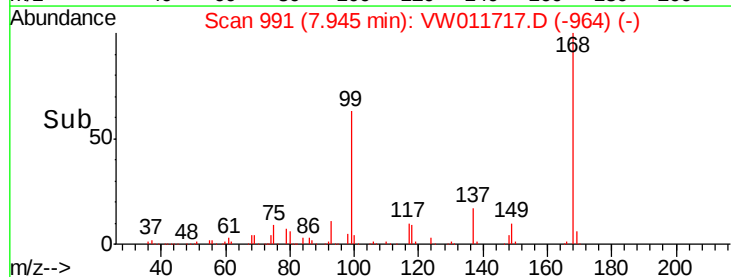
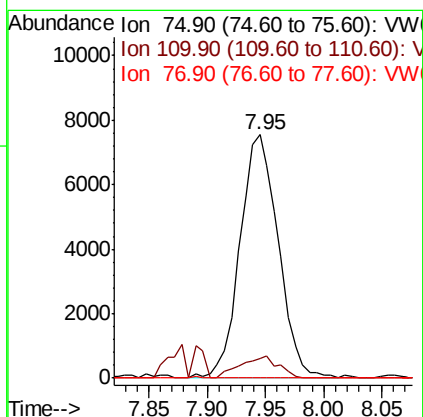
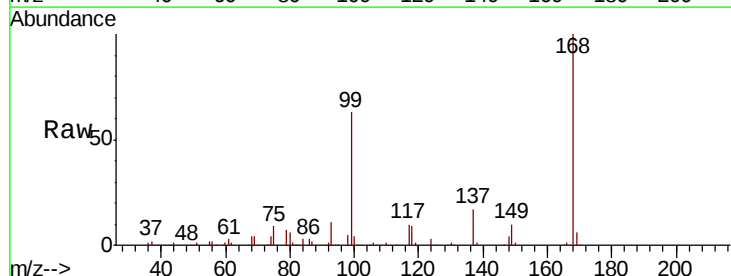
Instrument :
 MSVOA_W
 ClientSampleId :
 PS-1

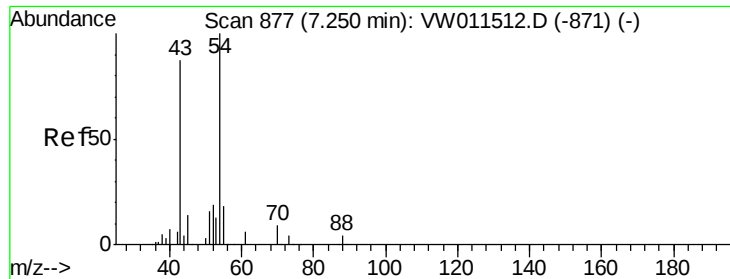
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.7	124.1
192	20.4	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 5.179 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011717.D
 Acq: 05 Aug 2019 18:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	15.6	46.8#
77	0.0	24.3	36.5#





#37

Ethyl Acetate

Concen: 14.175 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.08 min

Lab File: VW011717.D

Acq: 05 Aug 2019 18:41

Instrument :

MSVOA_W

ClientSampleId :

PS-1

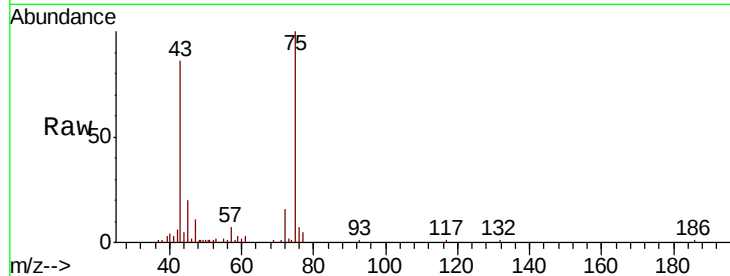
Tgt Ion: 43 Resp: 27203

Ion Ratio Lower Upper

43 100

61 0.0 8.8 13.2#

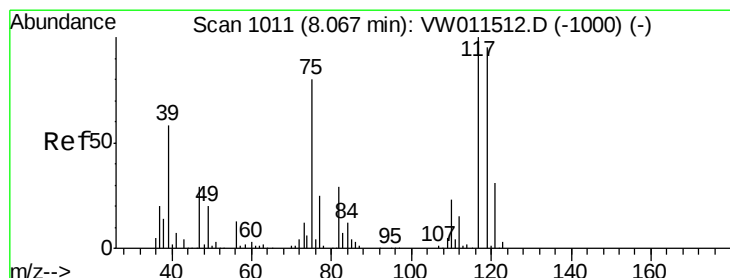
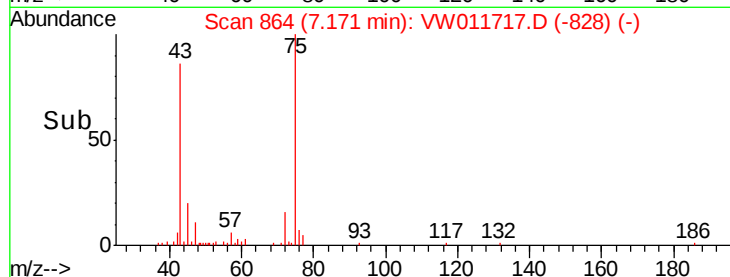
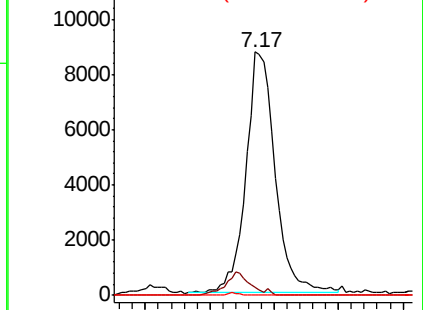
70 0.0 7.1 10.7#



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: 6.835 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011717.D

Acq: 05 Aug 2019 18:41

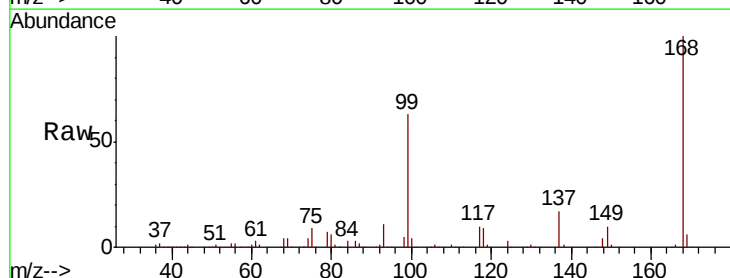
Tgt Ion: 117 Resp: 19518

Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.6#

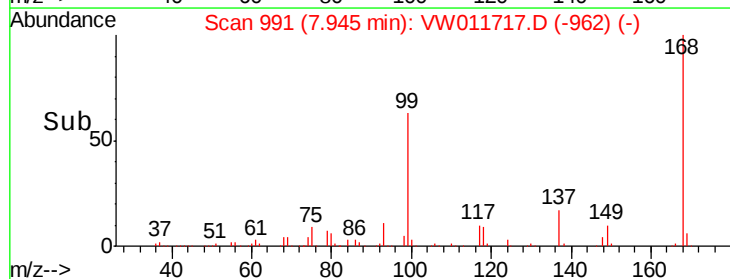
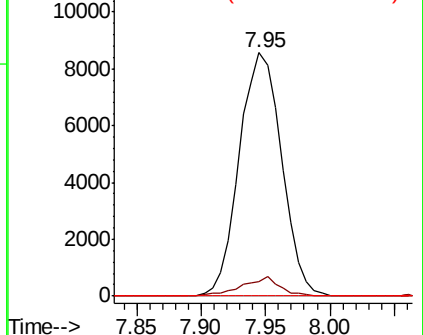
121 0.0 24.7 37.1#

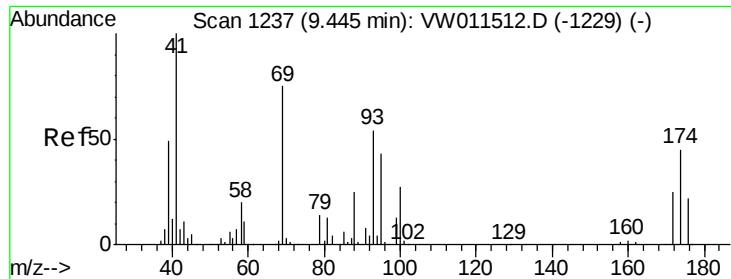


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

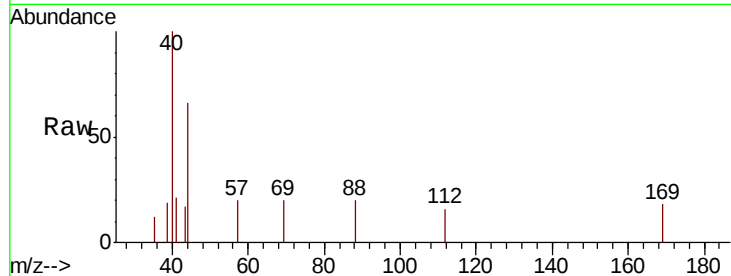




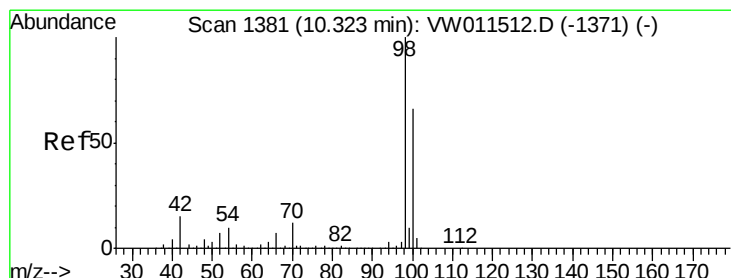
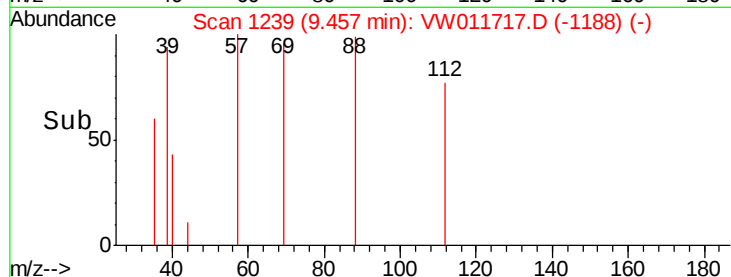
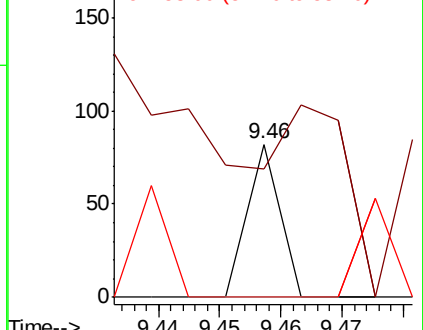
#49
1,4-Dioxane
Concen: 1.816 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW011717.D
Acq: 05 Aug 2019 18:41

Instrument :
MSVOA_W
ClientSampleId :
PS-1

Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 0.0 34.0 51.0#
58 0.0 69.7 104.5#

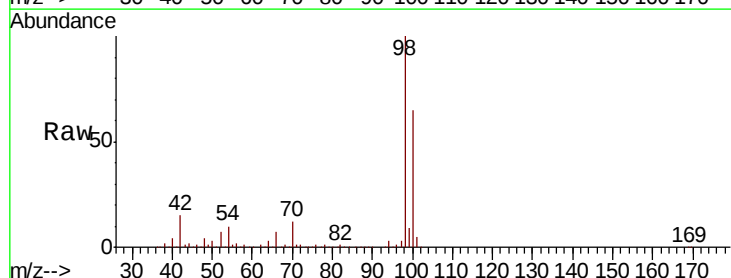


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

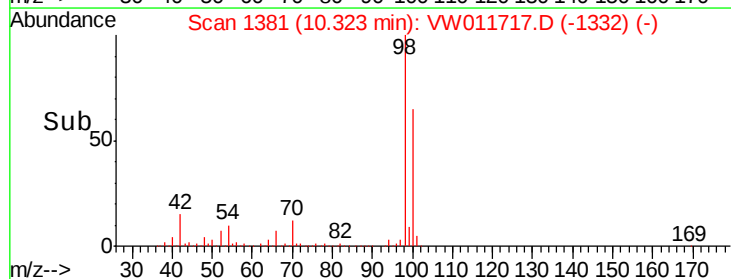
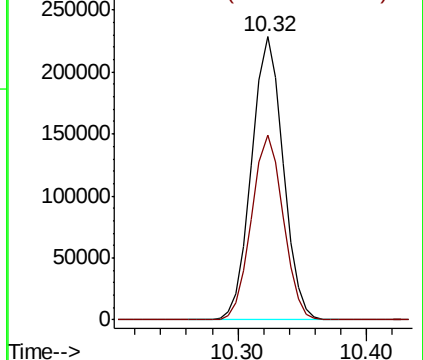


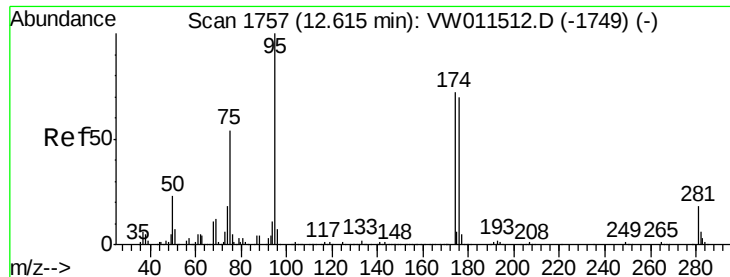
#50
Toluene-d8
Concen: 52.418 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011717.D
Acq: 05 Aug 2019 18:41

Tgt Ion: 98 Resp: 386236
Ion Ratio Lower Upper
98 100
100 65.8 52.7 79.1



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





#62

4-Bromofluorobenzene

Concen: 44.661 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011717.D

Acq: 05 Aug 2019 18:41

Instrument :

MSVOA_W

ClientSampleId :

PS-1

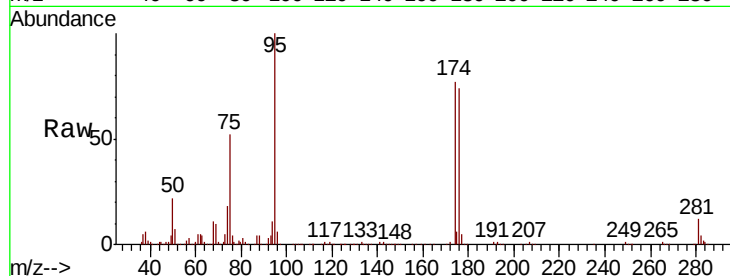
Tgt Ion: 95 Resp: 117325

Ion Ratio Lower Upper

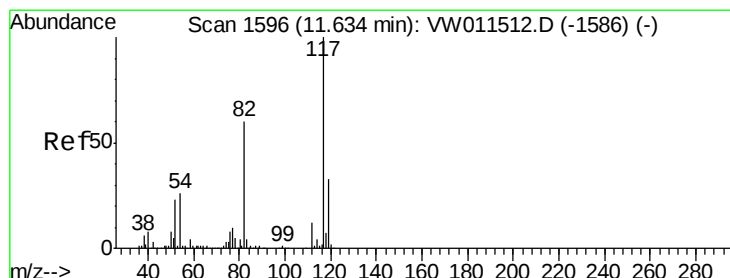
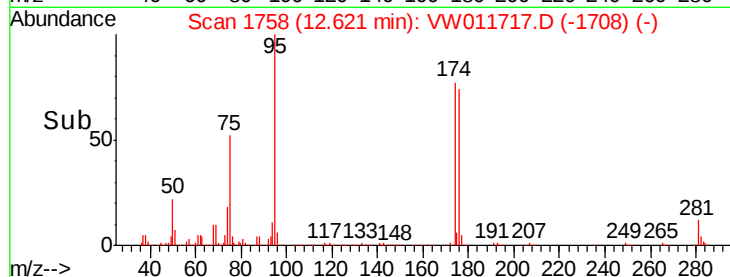
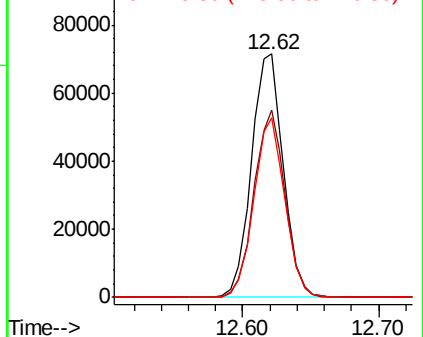
95 100

174 75.1 0.0 150.2

176 71.8 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: VW011717.D

Acq: 05 Aug 2019 18:41

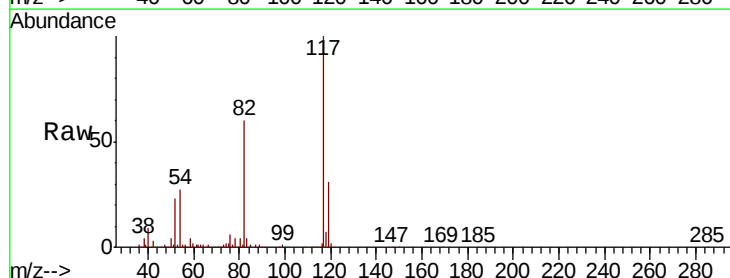
Tgt Ion: 117 Resp: 255432

Ion Ratio Lower Upper

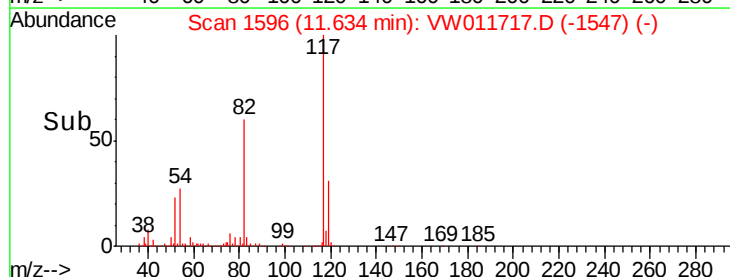
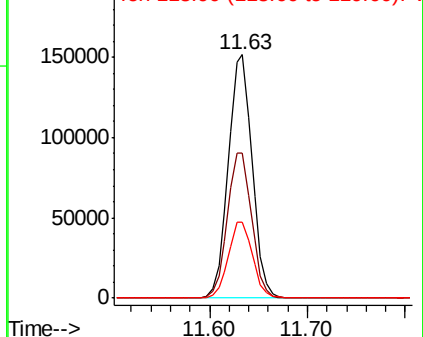
117 100

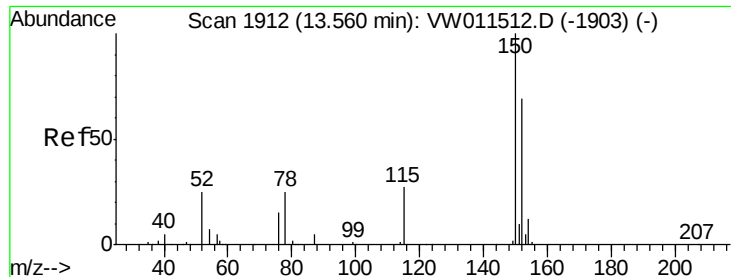
82 59.7 47.9 71.9

119 31.0 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: VW011717.D

Acq: 05 Aug 2019 18:41

Instrument :

MSVOA_W

ClientSampleId :

PS-1

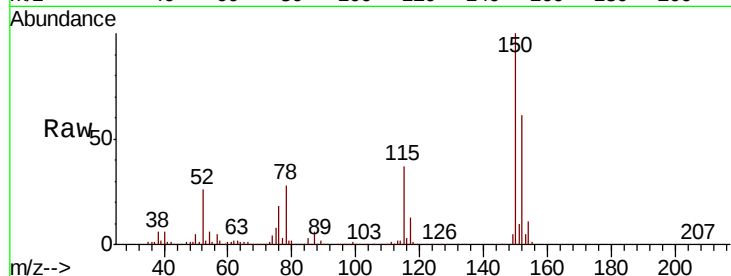
Tgt Ion:152 Resp: 93237

Ion Ratio Lower Upper

152 100

115 59.7 30.5 91.5

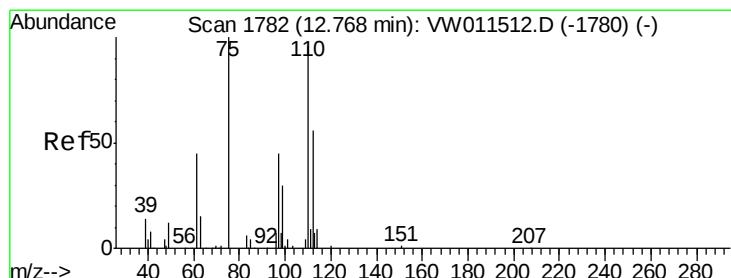
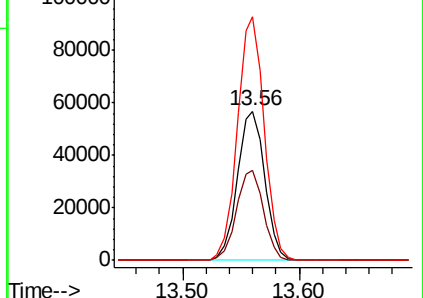
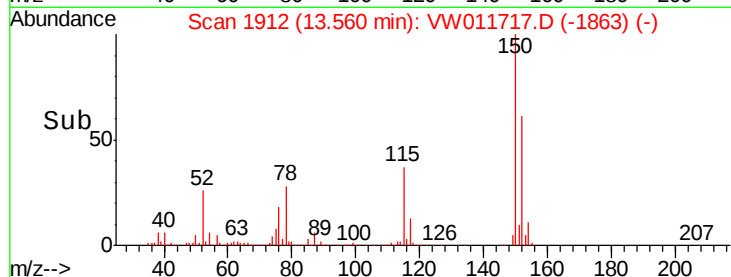
150 159.4 0.0 352.6



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: 63.302 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011717.D

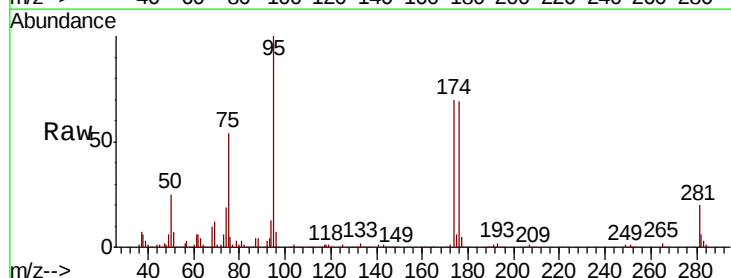
Acq: 05 Aug 2019 18:41

Tgt Ion: 75 Resp: 62451

Ion Ratio Lower Upper

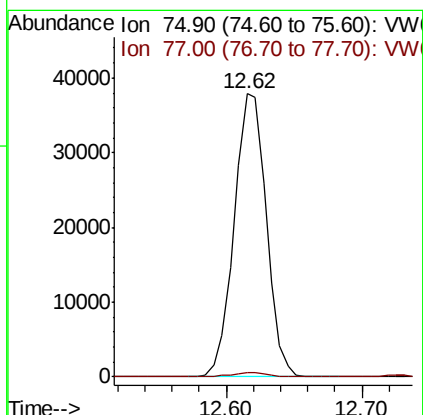
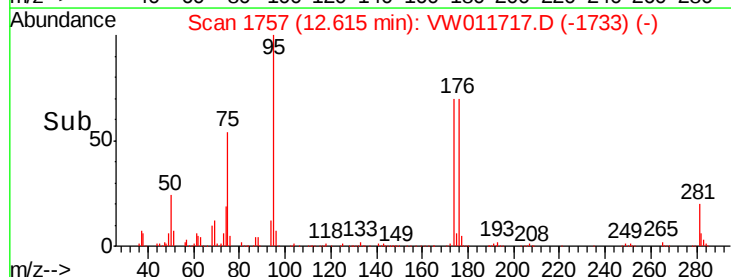
75 100

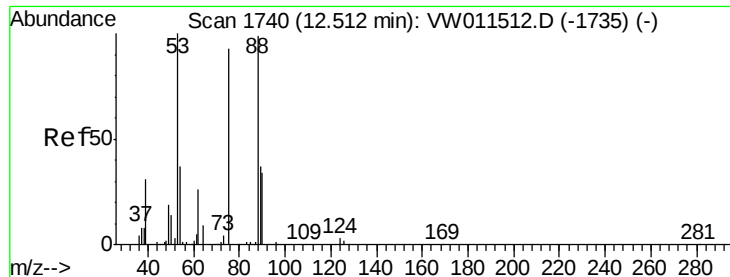
77 1.7 0.0 0.0#



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: 145.889 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011717.D

Acq: 05 Aug 2019 18:41

Instrument :

MSVOA_W

ClientSampleId :

PS-1

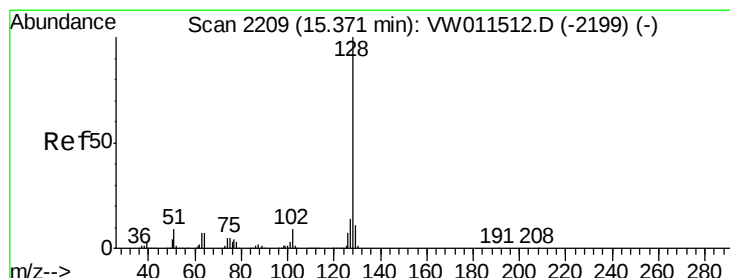
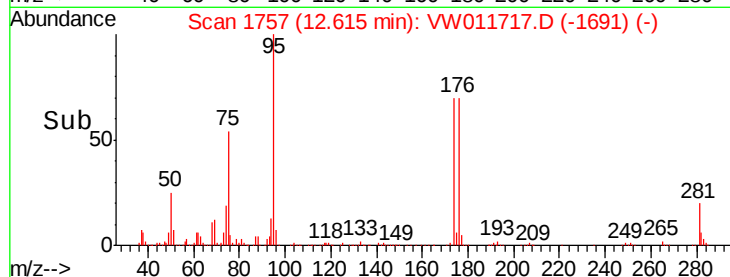
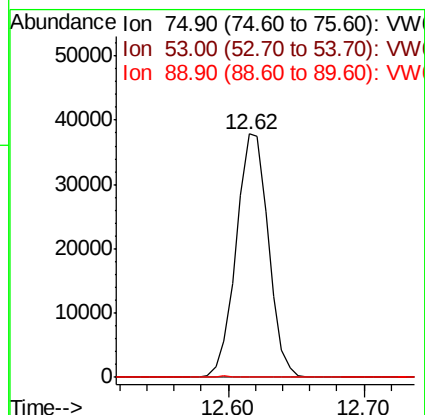
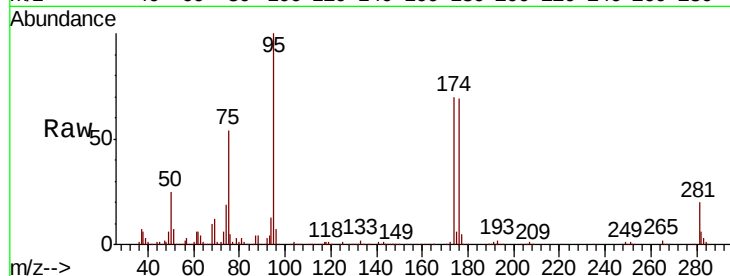
Tgt Ion: 75 Resp: 62451

Ion Ratio Lower Upper

75 100

53 0.4 88.0 132.0#

89 0.2 35.3 52.9#



#95

Naphthalene

Concen: 2.165 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011717.D

Acq: 05 Aug 2019 18:41

Tgt Ion: 128 Resp: 381

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 5.8 8.6 13.0#

