

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091019\
 Data File : VW012888.D
 Acq On : 11 Sep 2019 00:36
 Operator : SY/VA
 Sample : K4693-03
 Misc : 5.33G/5ML/MSVOA_W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-18-S

Quant Time: Sep 11 08:22:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	249866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	373133	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	320112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	132657	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	132489	47.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.92%	
35) Dibromofluoromethane	7.88	113	108978	49.13	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.26%	
50) Toluene-d8	10.32	98	447236	51.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.62	95	143965	45.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.26%	

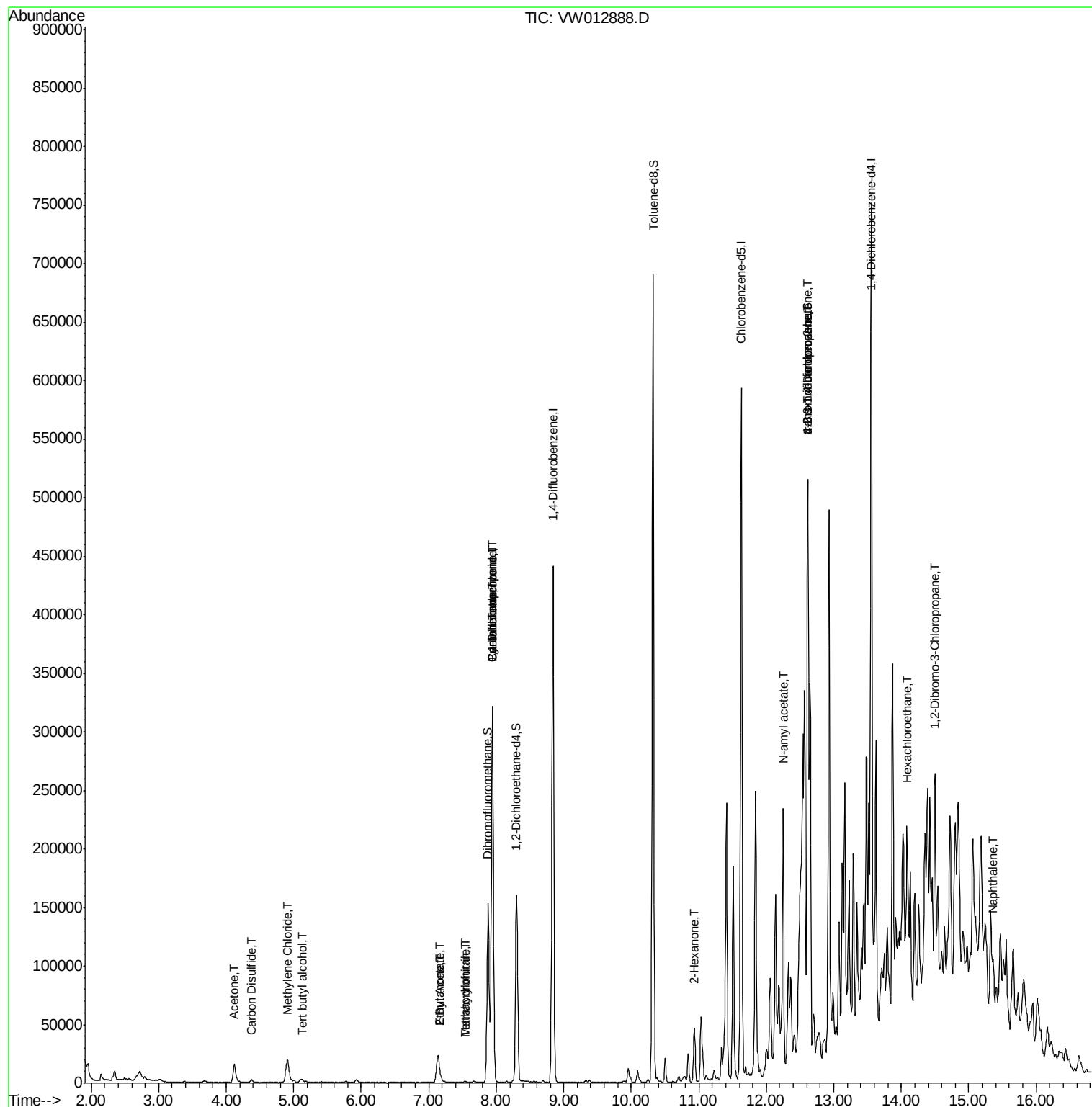
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	3094	14.485	ug/l #	72
16) Acetone	4.12	43	29189	38.351	ug/l	93
17) Carbon Disulfide	4.38	76	4672	1.067	ug/l	96
20) Methylene Chloride	4.90	84	14803	6.217	ug/l	93
25) 2-Butanone	7.17	43	8311	26.513	ug/l	95
29) Tetrahydrofuran	7.54	42	1103	1.795	ug/l #	72
31) Cyclohexane	7.94	56	5256	1.281	ug/l #	3
36) 1,1-Dichloropropene	7.94	75	18628	5.619	ug/l #	52
37) Ethyl Acetate	7.17	43	8311	3.932	ug/l #	72
38) Carbon Tetrachloride	7.95	117	23721	7.258	ug/l #	17
41) Methacrylonitrile	7.54	41	483	4.149	ug/l #	49
59) 2-Hexanone	10.93	43	18342	11.949	ug/l #	32
74) N-amyl acetate	12.25	43	50126	16.598	ug/l #	69
76) 1,2,3-Trichloropropane	12.62	75	75399	55.584	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	75399	117.565	ug/l #	6
90) Hexachloroethane	14.10	117	2956	1.885	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.50	75	664	1.899	ug/l #	30
95) Naphthalene	15.36	128	3262	4.973	ug/l #	90

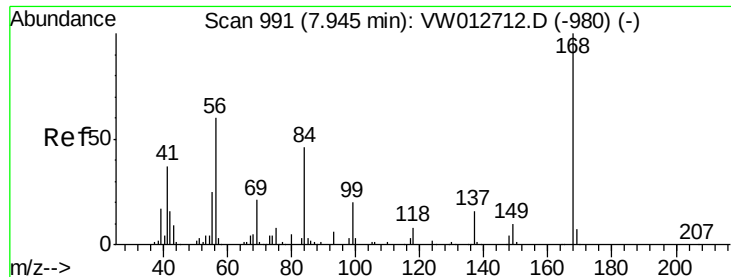
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012888.D

Acq: 11 Sep 2019 00:36

Instrument :

MSVOA_W

ClientSampleId :

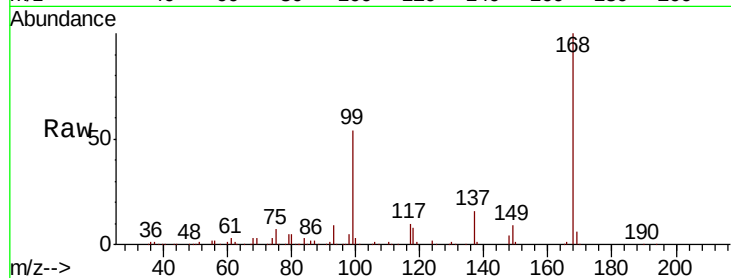
TP-18-S

Tgt Ion:168 Resp: 249866

Ion Ratio Lower Upper

168 100

99 54.3 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

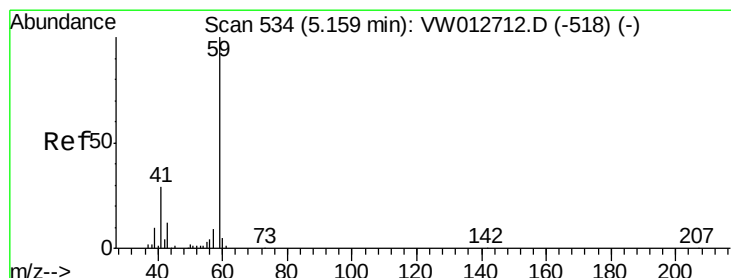
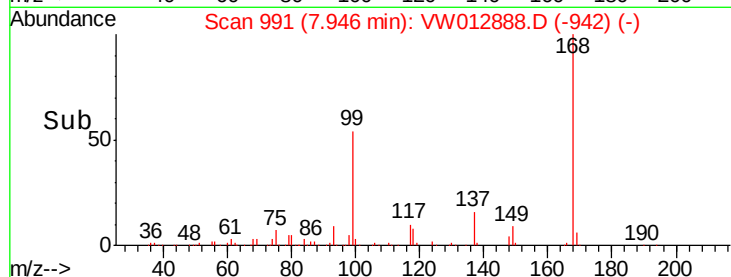
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 14.485 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW012888.D

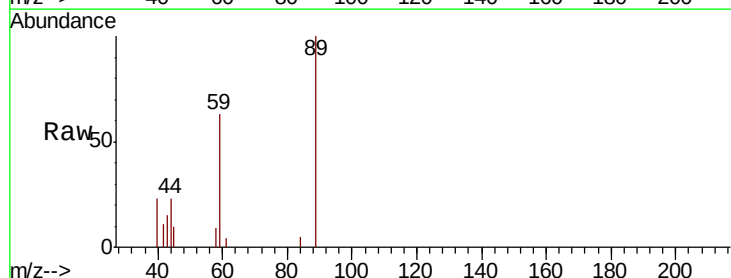
Acq: 11 Sep 2019 00:36

Tgt Ion: 59 Resp: 3094

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

800

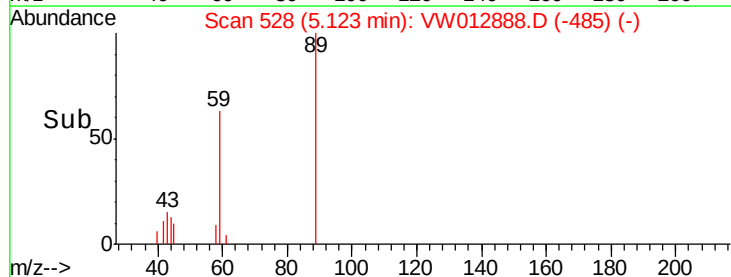
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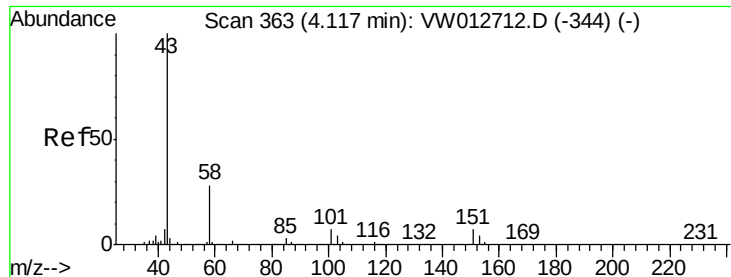
400

200

0

Time-->





#16

Acetone

Concen: 38.351 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW012888.D

Acq: 11 Sep 2019 00:36

Instrument :

MSVOA_W

ClientSampleId :

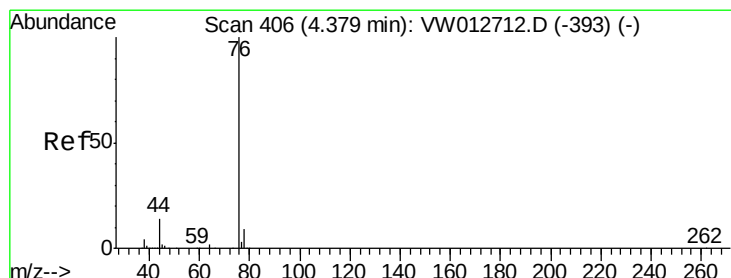
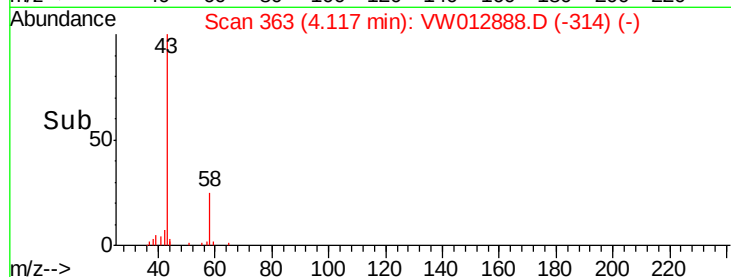
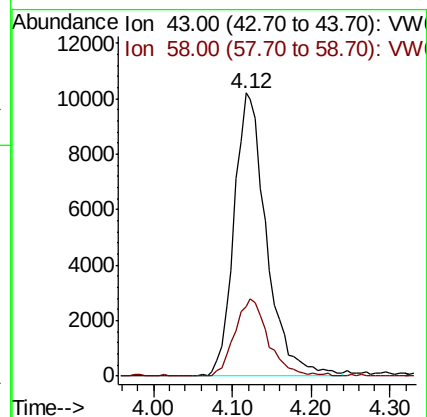
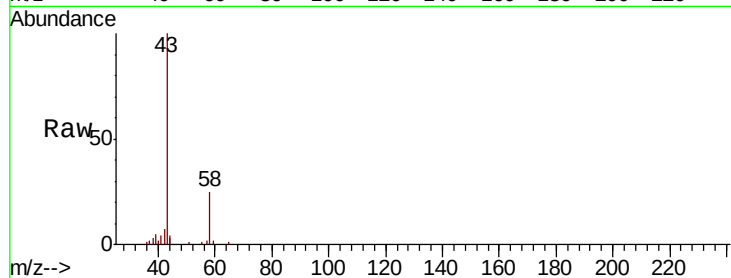
TP-18-S

Tgt Ion: 43 Resp: 29189

Ion Ratio Lower Upper

43 100

58 24.6 22.6 33.8



#17

Carbon Disulfide

Concen: 1.067 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW012888.D

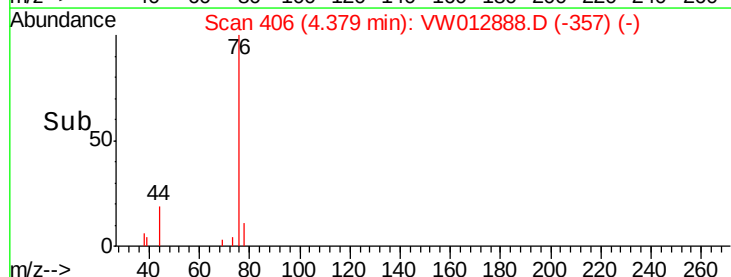
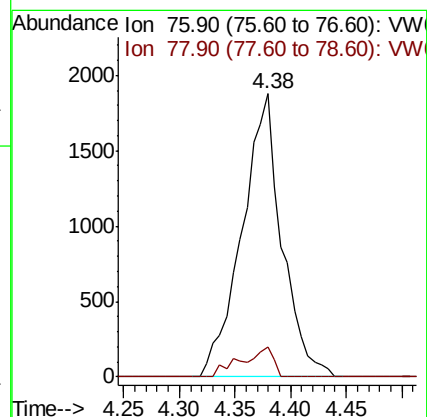
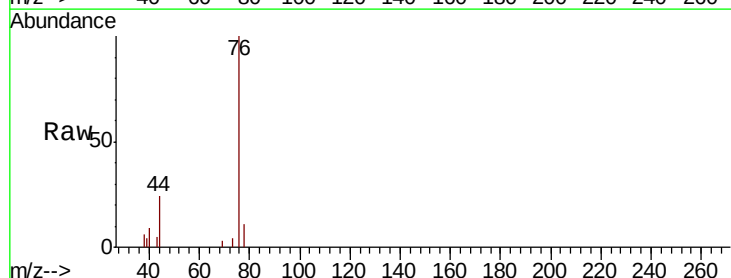
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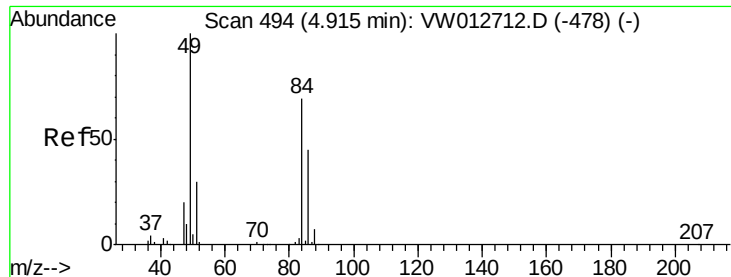
Tgt Ion: 76 Resp: 4672

Ion Ratio Lower Upper

76 100

78 10.5 7.2 10.8

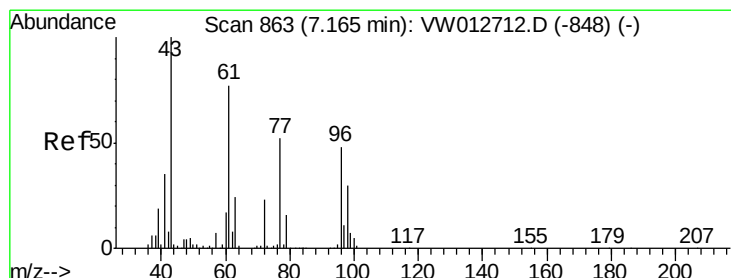
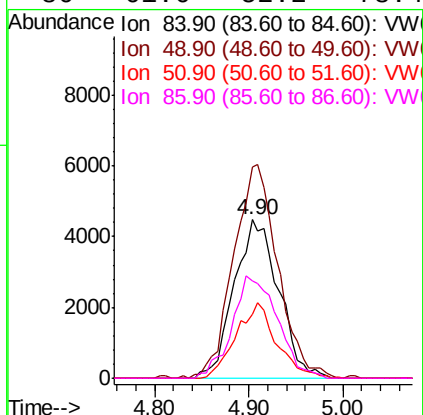
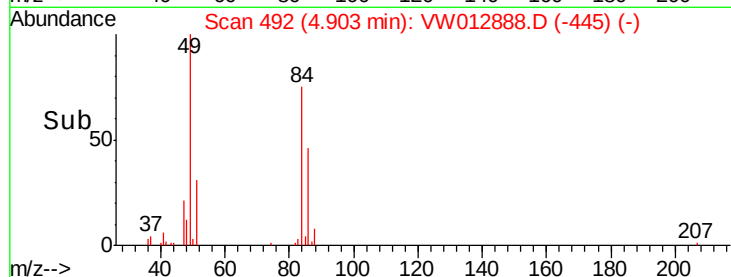
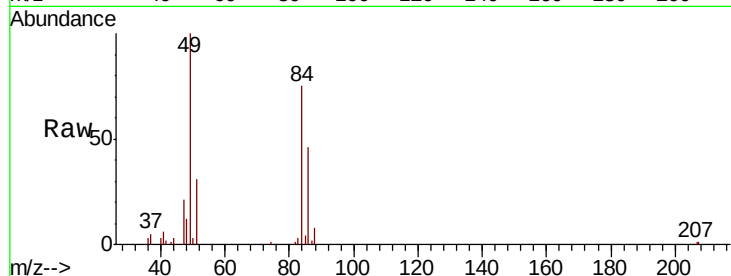




#20
Methylene Chloride
Concen: 6.217 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW012888.D
Acq: 11 Sep 2019 00:36

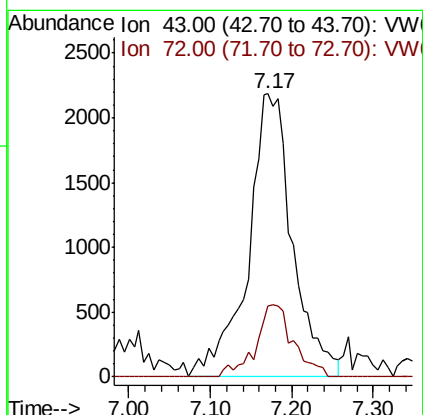
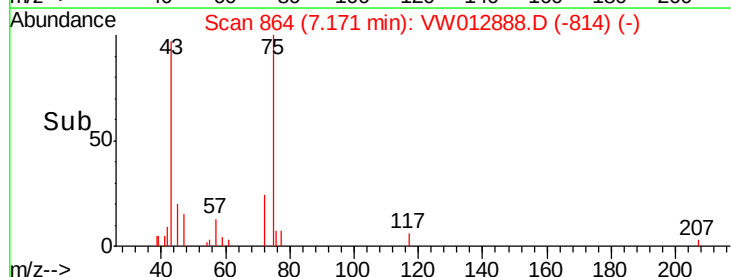
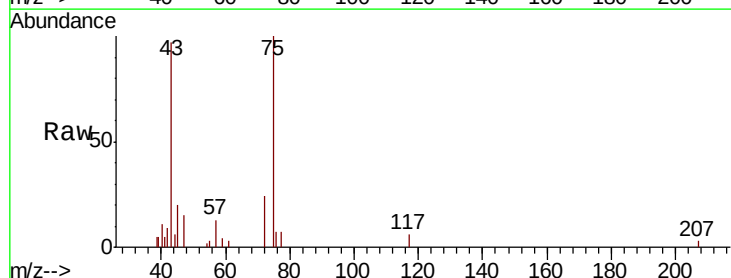
Instrument :
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ClientSampleId :
TP-18-S

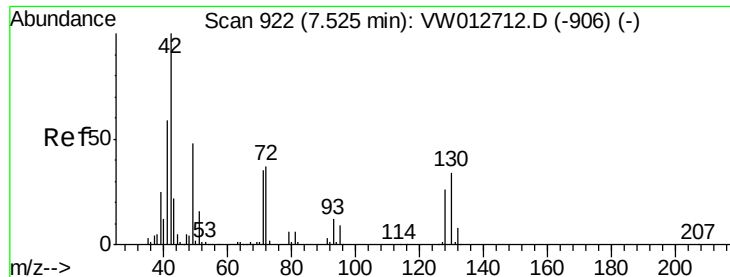
Tgt Ion: 84 Resp: 14803
Ion Ratio Lower Upper
84 100
49 133.1 115.4 173.0
51 40.8 34.9 52.3
86 61.6 52.2 78.4



#25
2-Butanone
Concen: 26.513 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW012888.D
Acq: 11 Sep 2019 00:36

Tgt Ion: 43 Resp: 8311
Ion Ratio Lower Upper
43 100
72 25.1 18.0 27.0

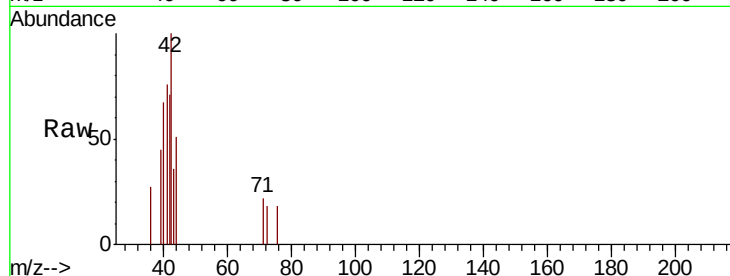




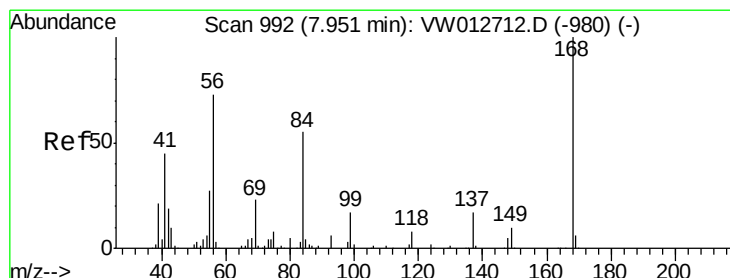
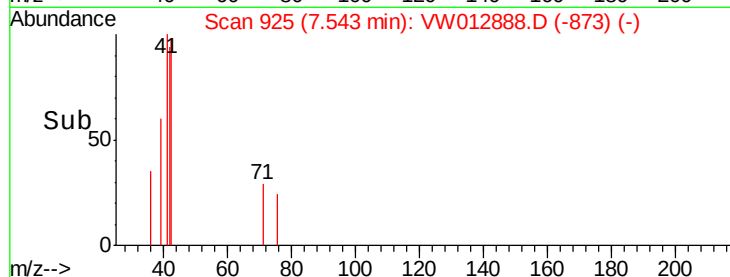
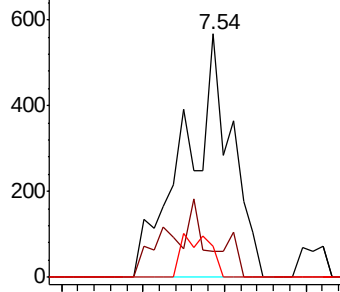
#29
Tetrahydrofuran
Concen: 1.795 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.02 min
Lab File: VW012888.D
Acq: 11 Sep 2019 00:36

Instrument :
MSVOA_W
ClientSampleId :
TP-18-S

Tgt Ion: 42 Resp: 1103
Ion Ratio Lower Upper
42 100
72 25.8 28.4 42.6#
71 11.2 27.1 40.7#

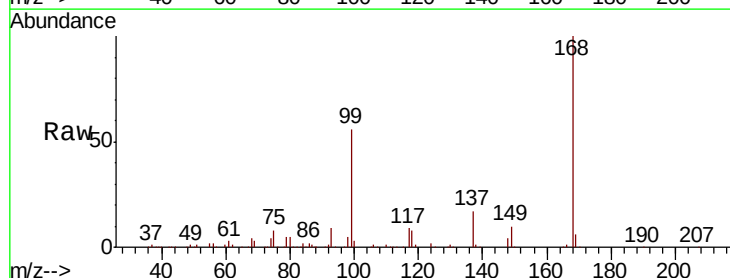


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

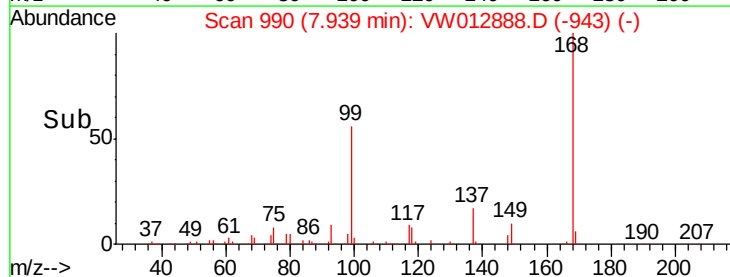
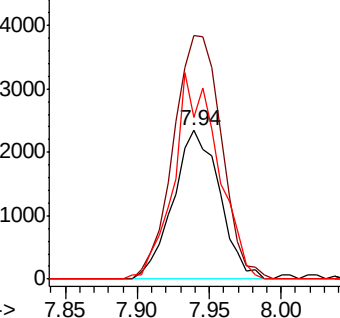


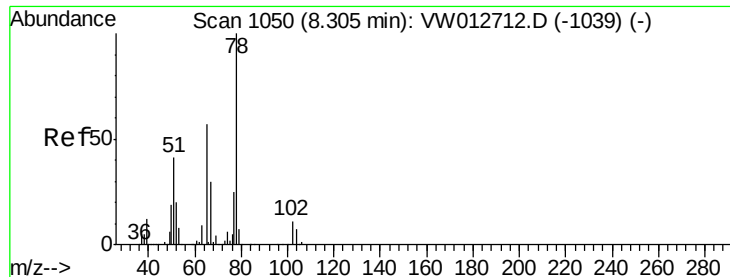
#31
Cyclohexane
Concen: 1.281 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012888.D
Acq: 11 Sep 2019 00:36

Tgt Ion: 56 Resp: 5256
Ion Ratio Lower Upper
56 100
69 163.7 25.7 38.5#
84 108.4 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

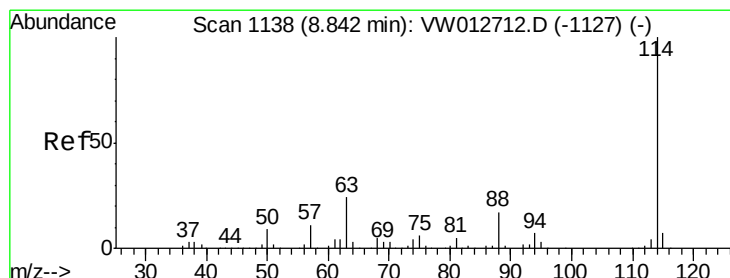
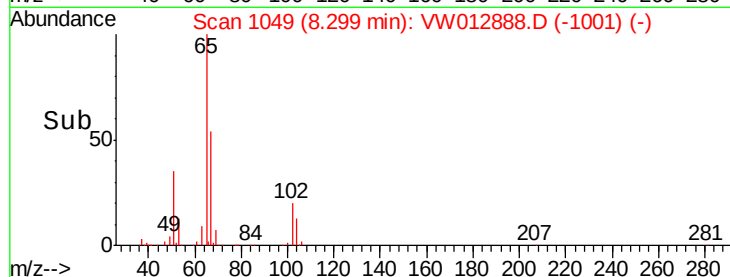
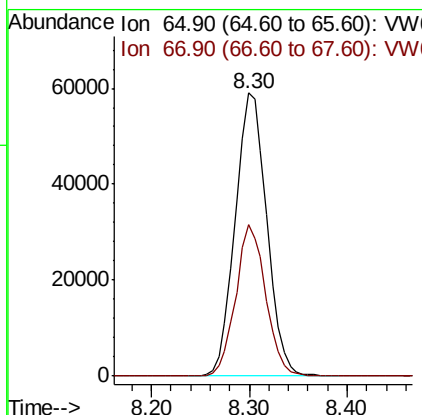
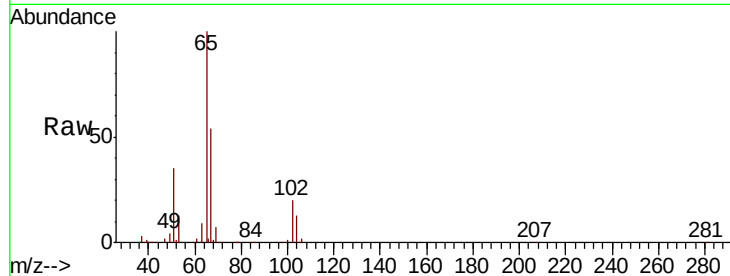




#33
 1,2-Dichloroethane-d4
 Concen: 47.456 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012888.D
 Acq: 11 Sep 2019 00:36

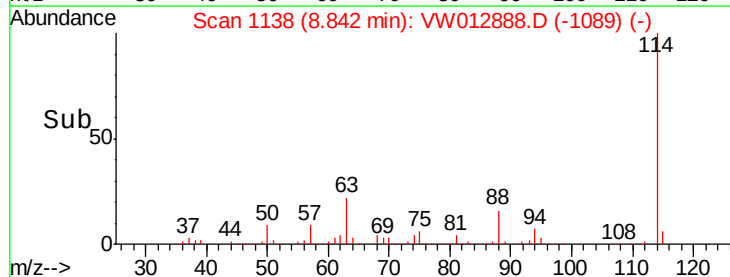
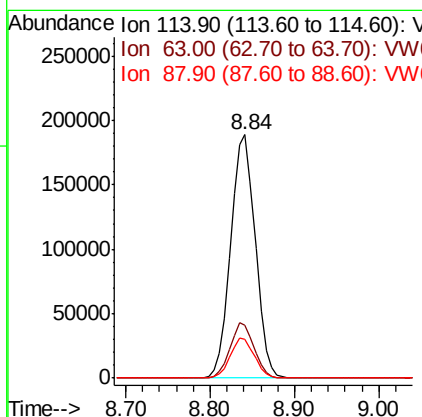
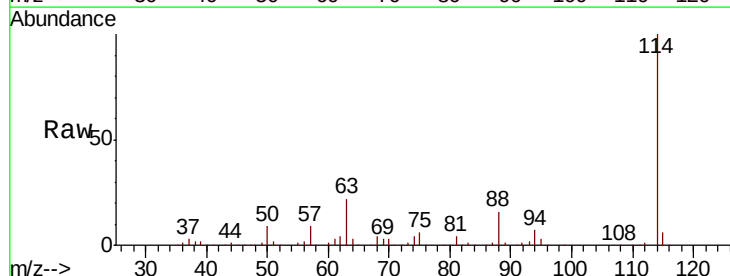
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 ClientSampleId :
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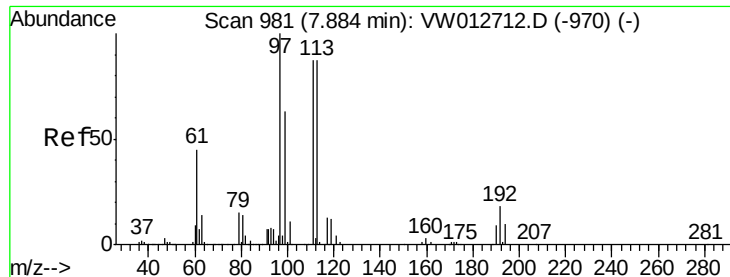
Tgt Ion: 65 Resp: 132489
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012888.D
 Acq: 11 Sep 2019 00:36

Tgt Ion: 114 Resp: 373133
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 47.2
 88 16.0 0.0 34.0

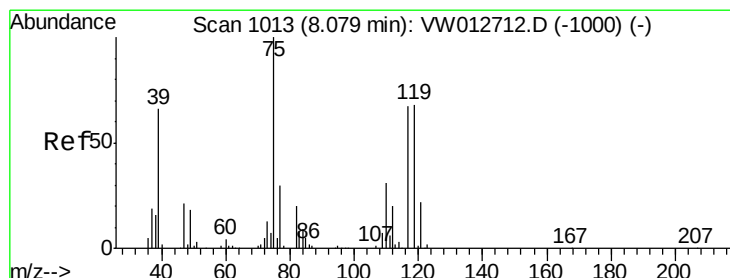
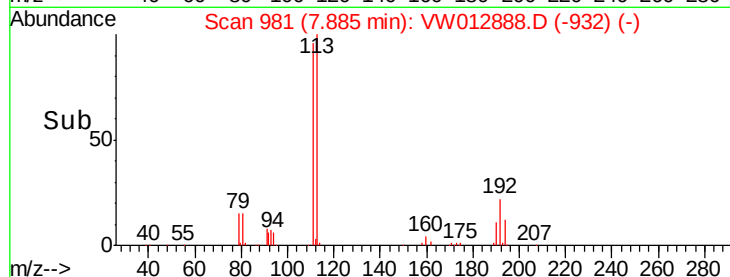
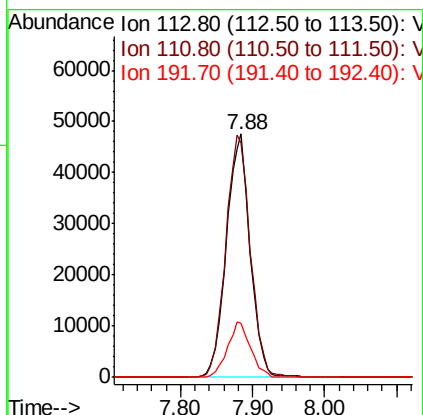
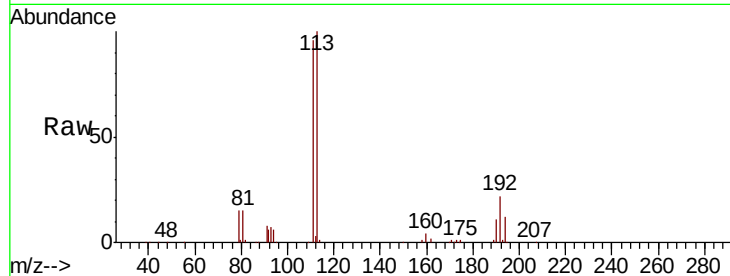




#35
 Dibromofluoromethane
 Concen: 49.125 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012888.D
 Acq: 11 Sep 2019 00:36

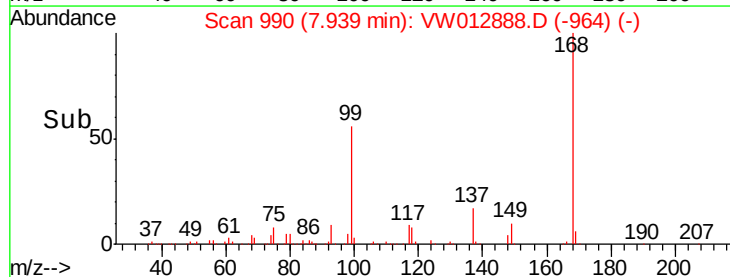
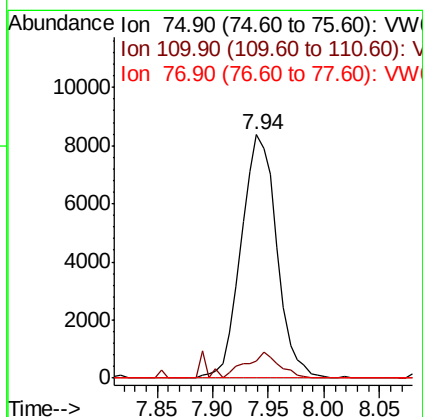
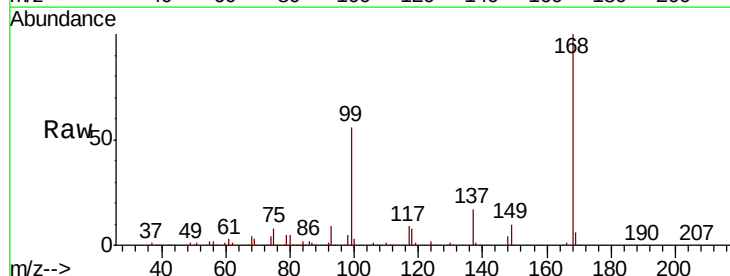
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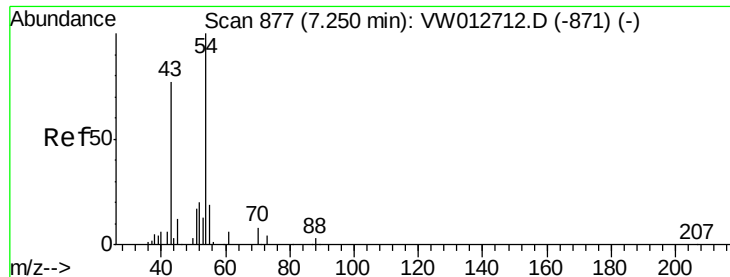
Tgt Ion: 113 Resp: 108978
 Ion Ratio Lower Upper
 113 100
 111 103.0 80.2 120.4
 192 22.2 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 5.619 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012888.D
 Acq: 11 Sep 2019 00:36

Tgt Ion: 75 Resp: 18628
 Ion Ratio Lower Upper
 75 100
 110 10.0 15.9 47.7#
 77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 3.932 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.08 min

Lab File: VW012888.D

Acq: 11 Sep 2019 00:36

Instrument :

MSVOA_W

ClientSampleId :

TP-18-S

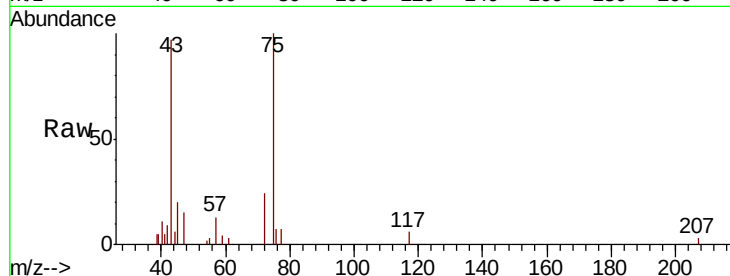
Tgt Ion: 43 Resp: 8311

Ion Ratio Lower Upper

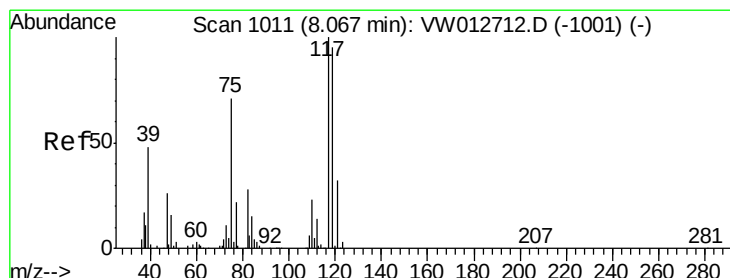
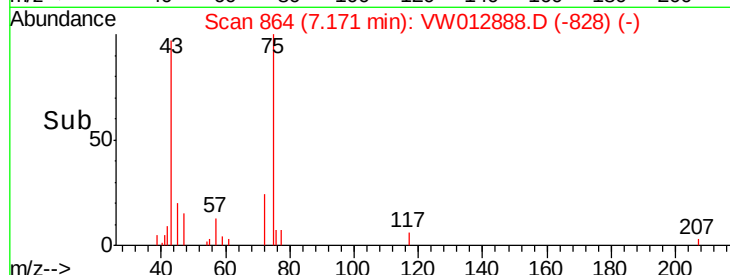
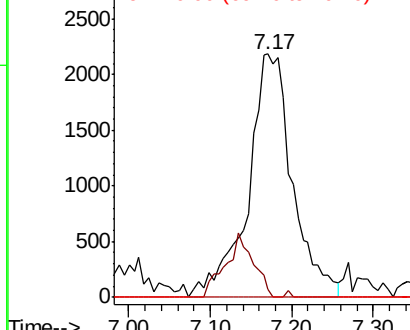
43 100

61 0.0 9.5 14.3#

70 0.0 7.0 10.6#



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: 7.258 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012888.D

Acq: 11 Sep 2019 00:36

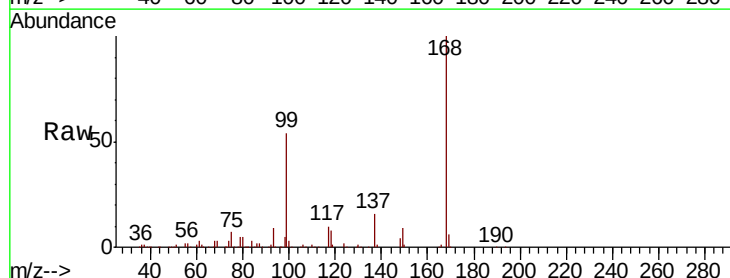
Tgt Ion: 117 Resp: 23721

Ion Ratio Lower Upper

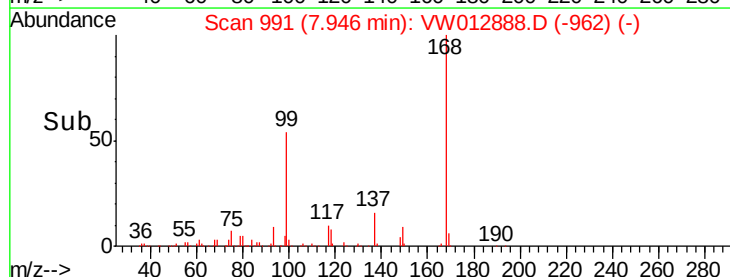
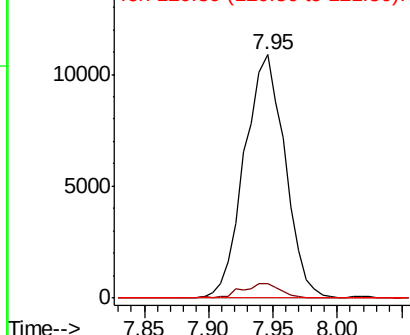
117 100

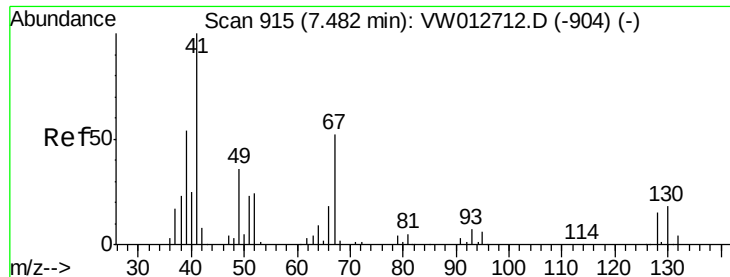
119 6.1 76.2 114.2#

121 0.0 25.4 38.2#



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

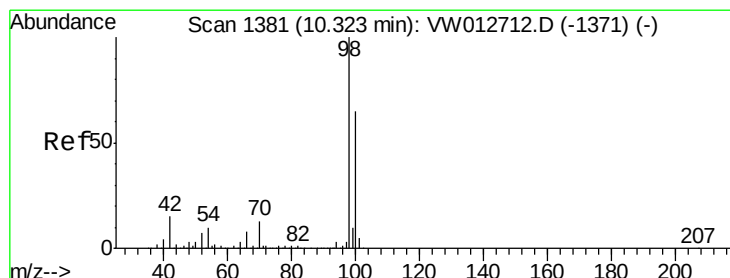
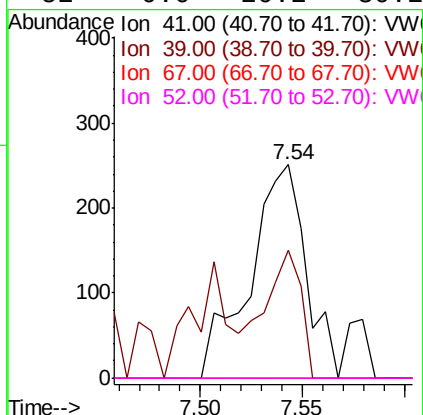
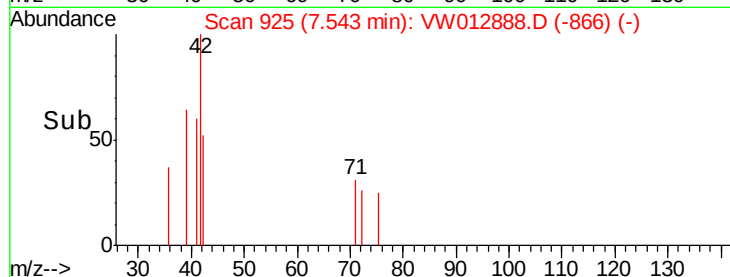
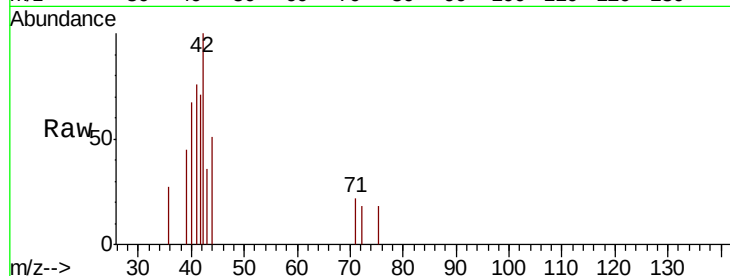




#41
Methacrylonitrile
Concen: 4.149 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.06 min
Lab File: VW012888.D
Acq: 11 Sep 2019 00:36

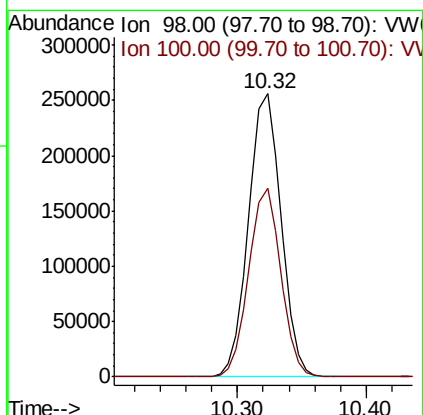
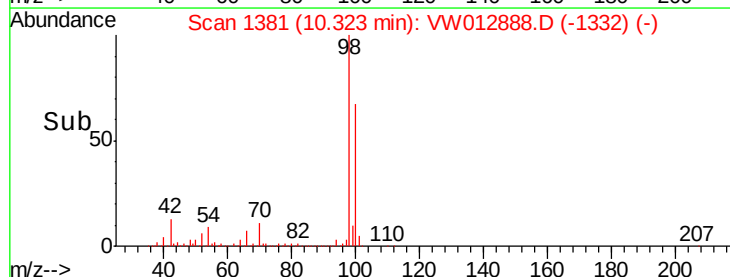
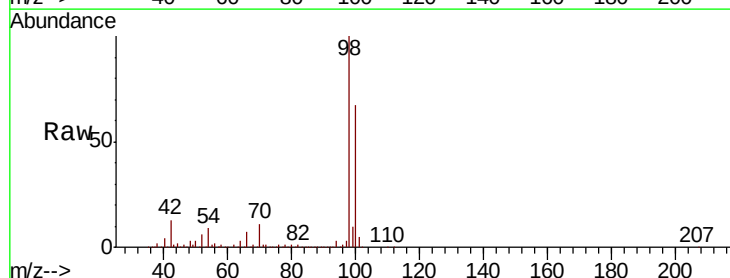
Instrument :
MSVOA_W
ClientSampleId :
TP-18-S

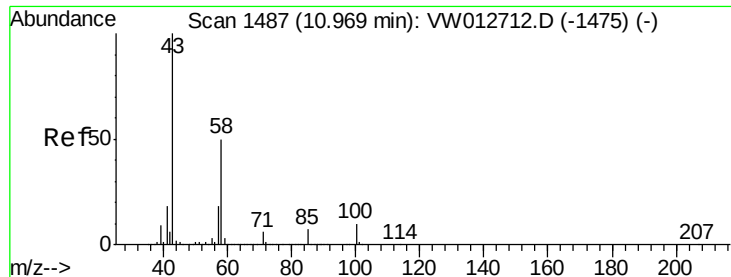
Tgt Ion: 41 Resp: 483
Ion Ratio Lower Upper
41 100
39 38.9 47.5 71.3#
67 0.0 45.1 67.7#
52 0.0 20.2 30.2#



#50
Toluene-d8
Concen: 51.459 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012888.D
Acq: 11 Sep 2019 00:36

Tgt Ion: 98 Resp: 447236
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.4

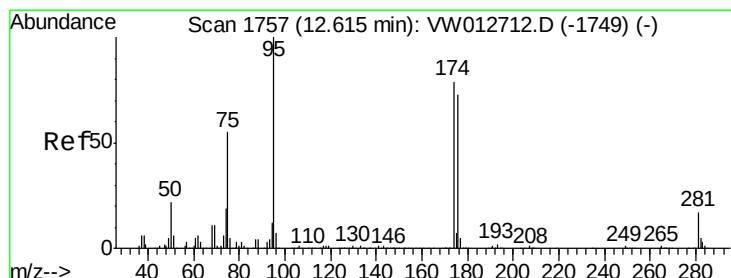
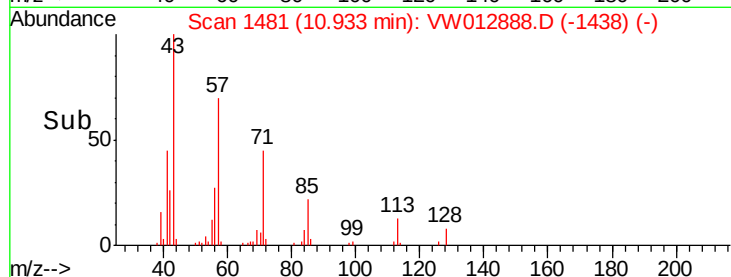
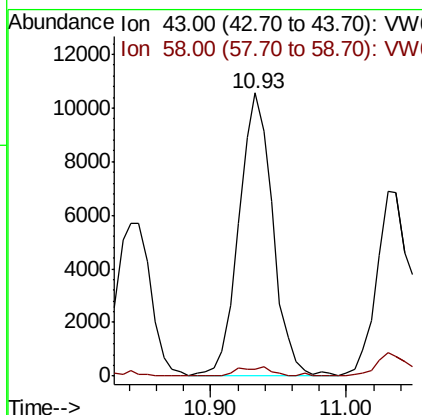
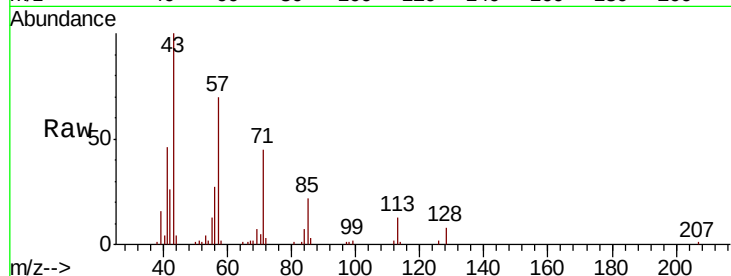




#59
2-Hexanone
Concen: 11.949 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.04 min
Lab File: VW012888.D
Acq: 11 Sep 2019 00:36

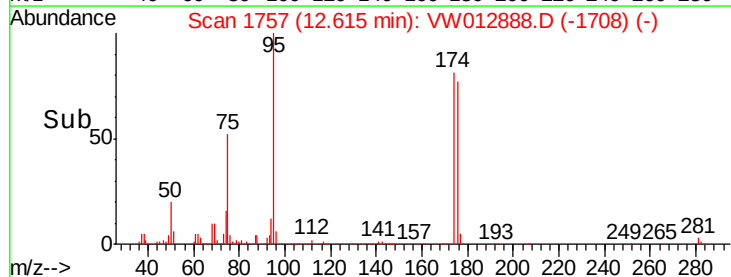
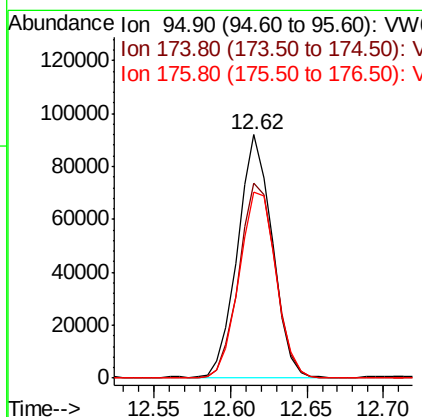
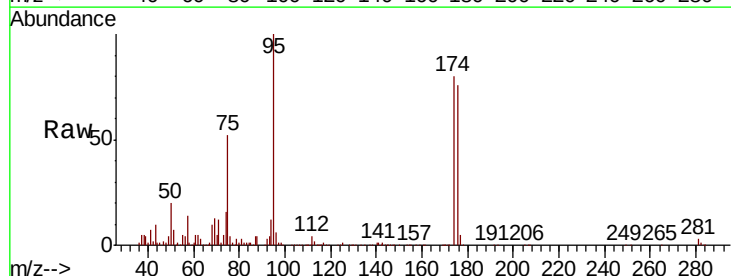
Instrument :
MSVOA_W
ClientSampleId :
TP-18-S

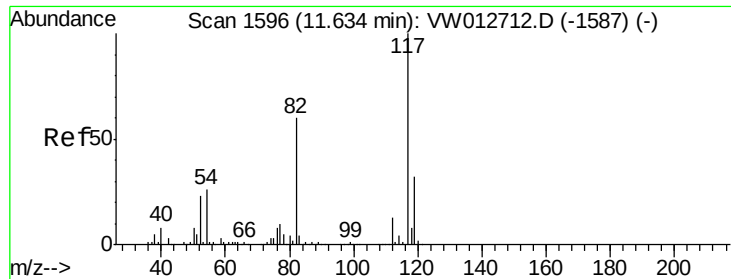
Tgt Ion: 43 Resp: 18342
Ion Ratio Lower Upper
43 100
58 3.0 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 45.629 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012888.D
Acq: 11 Sep 2019 00:36

Tgt Ion: 95 Resp: 143965
Ion Ratio Lower Upper
95 100
174 84.8 0.0 161.0
176 82.2 0.0 156.4

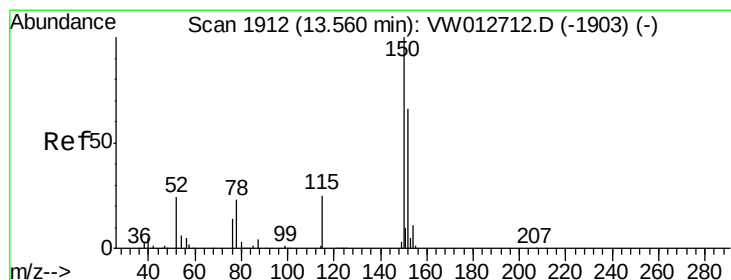
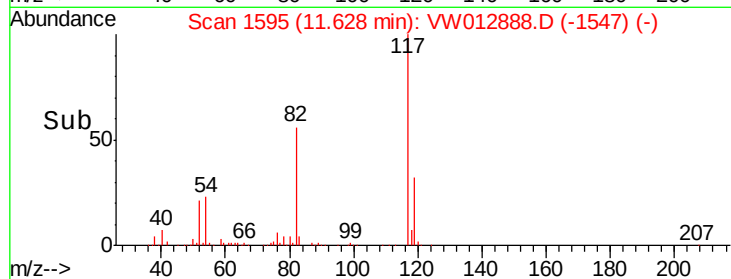
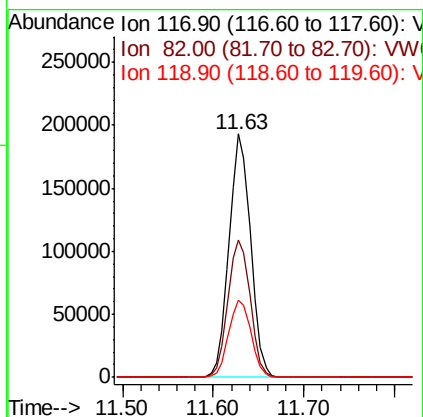
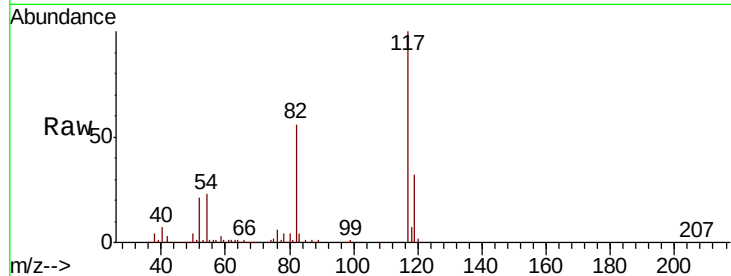




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012888.D
Acq: 11 Sep 2019 00:36

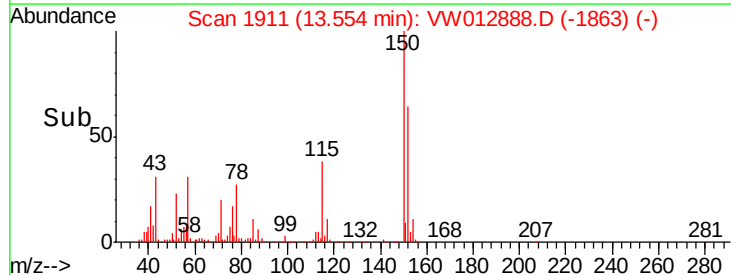
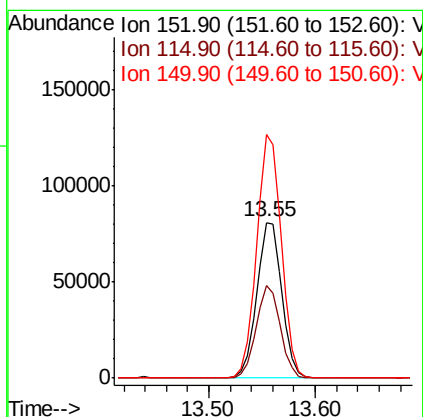
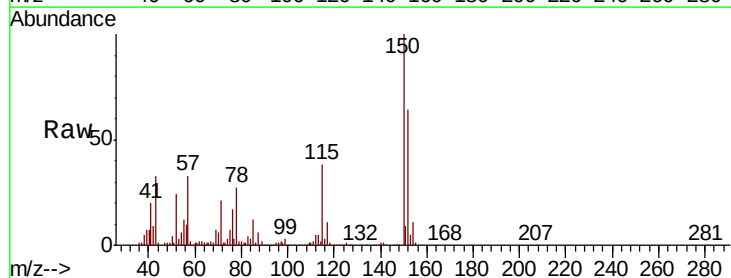
Instrument :
MSVOA_W
ClientSampleId :
TP-18-S

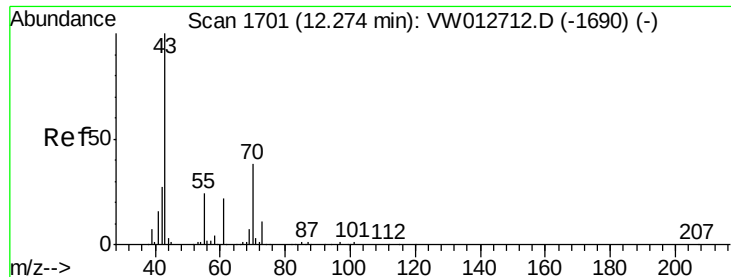
Tgt Ion:117 Resp: 320112
Ion Ratio Lower Upper
117 100
82 56.2 48.2 72.4
119 31.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012888.D
Acq: 11 Sep 2019 00:36

Tgt Ion:152 Resp: 132657
Ion Ratio Lower Upper
152 100
115 57.7 30.0 90.1
150 155.1 0.0 349.0





#74

N-amyI acetate

Concen: 16.598 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW012888.D

Acq: 11 Sep 2019 00:36

Instrument :

MSVOA_W

ClientSampleId :

TP-18-S

Tgt Ion: 43 Resp: 50126

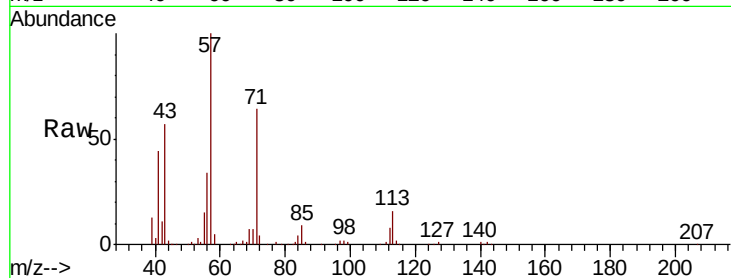
Ion Ratio Lower Upper

43 100

70 16.8 29.4 44.0#

55 18.1 18.6 27.8#

61 0.0 17.8 26.6#

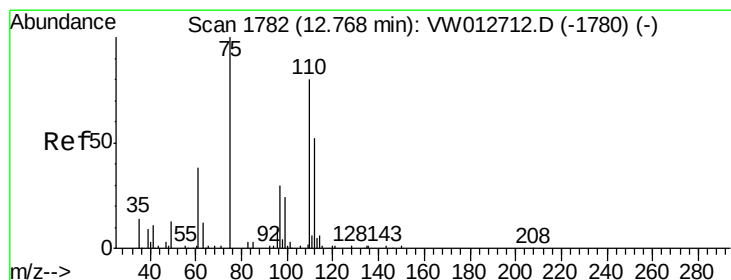
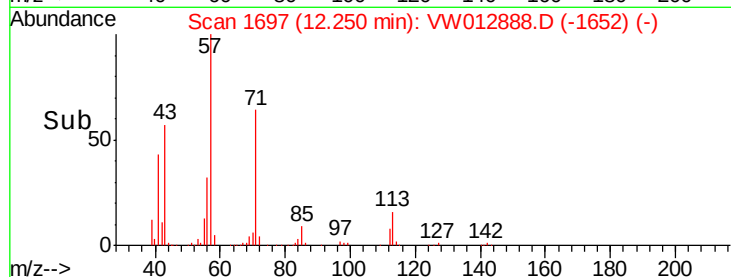
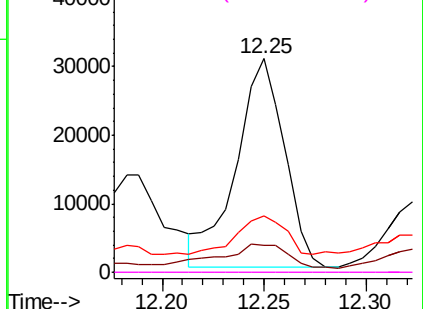


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 55.584 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012888.D

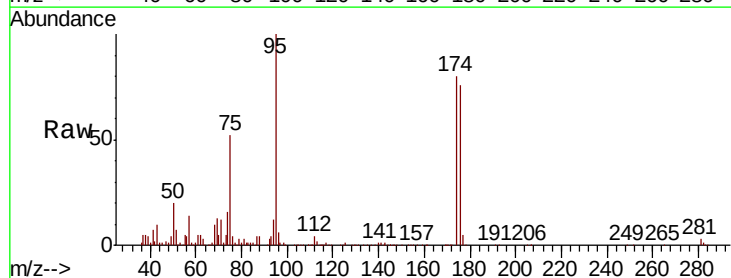
Acq: 11 Sep 2019 00:36

Tgt Ion: 75 Resp: 75399

Ion Ratio Lower Upper

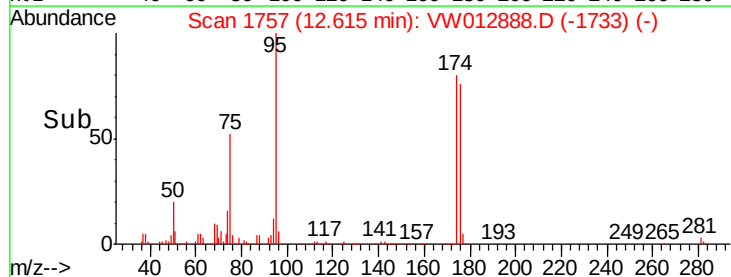
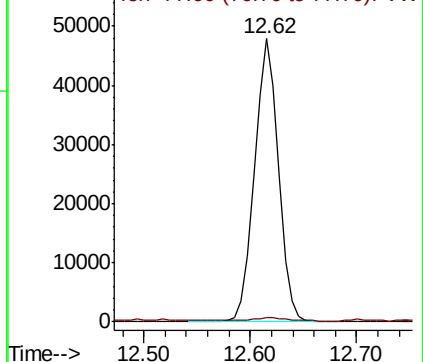
75 100

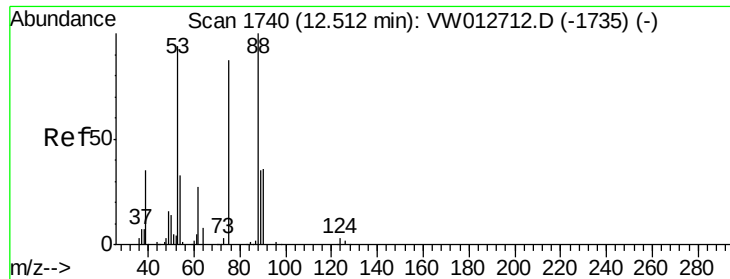
77 2.0 0.0 0.0#



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: 117.565 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012888.D

Acq: 11 Sep 2019 00:36

Instrument :

MSVOA_W

ClientSampleId :

TP-18-S

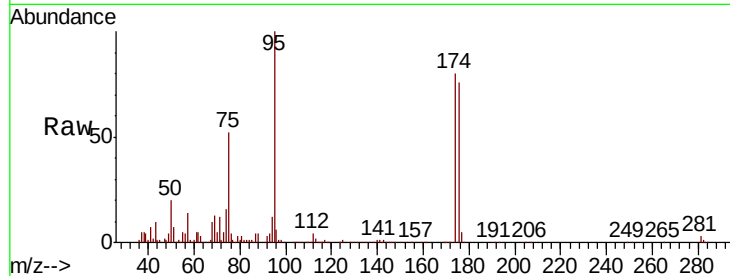
Tgt Ion: 75 Resp: 75399

Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

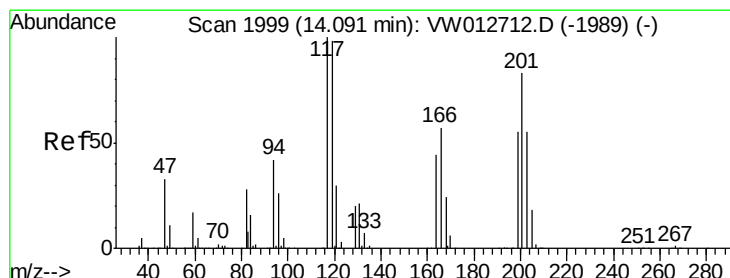
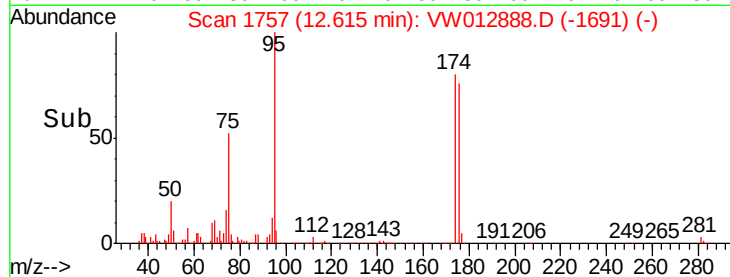
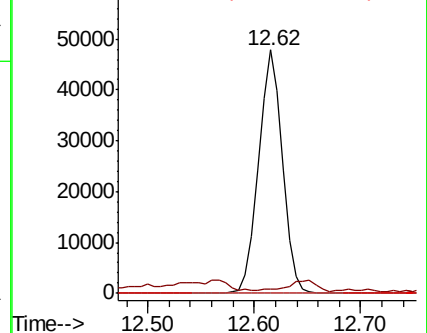
89 0.0 35.5 53.3#



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



#90

Hexachloroethane

Concen: 1.885 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW012888.D

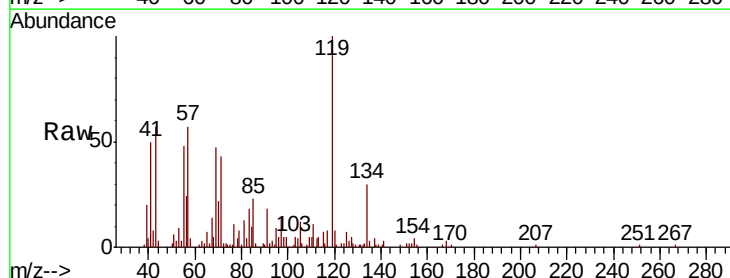
Acq: 11 Sep 2019 00:36

Tgt Ion: 117 Resp: 2956

Ion Ratio Lower Upper

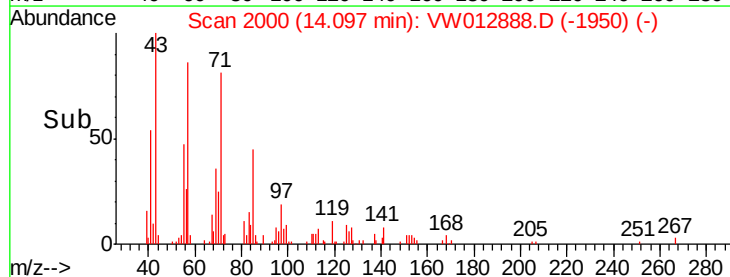
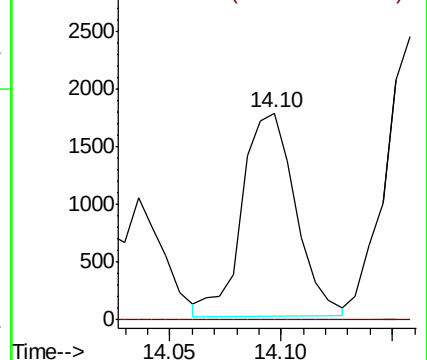
117 100

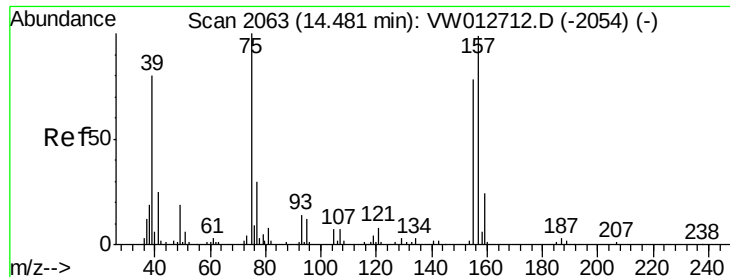
201 0.0 42.8 128.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

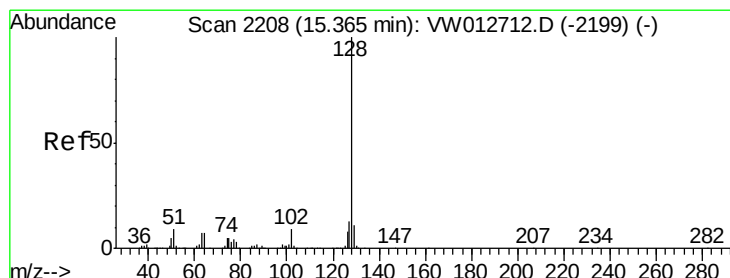
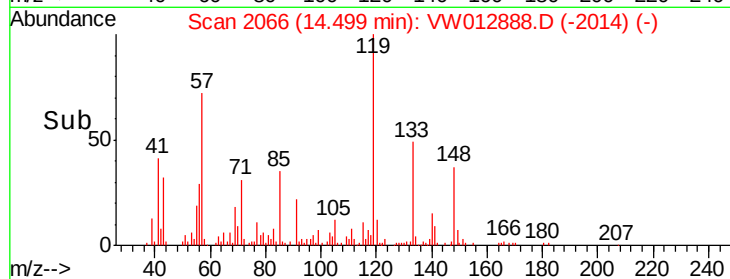
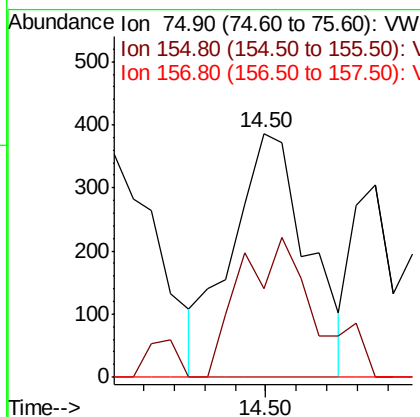
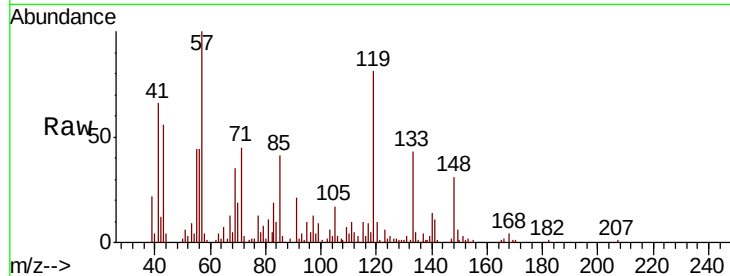




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.899 ug/l
 RT: 14.50 min Scan# 2066
 Delta R.T. 0.02 min
 Lab File: VW012888.D
 Acq: 11 Sep 2019 00:36

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-18-S

Tgt Ion: 75 Resp: 664
 Ion Ratio Lower Upper
 75 100
 155 56.6 40.6 122.0
 157 0.0 52.5 157.5#



#95
 Naphthalene
 Concen: 4.973 ug/l
 RT: 15.36 min Scan# 2207
 Delta R.T. -0.01 min
 Lab File: VW012888.D
 Acq: 11 Sep 2019 00:36

Tgt Ion: 128 Resp: 3262
 Ion Ratio Lower Upper
 128 100
 127 10.6 10.7 16.1#
 129 15.7 8.7 13.1#

