

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
 Data File : VW012093.D
 Acq On : 22 Aug 2019 01:29
 Operator : SY/VA
 Sample : K4403-17
 Misc : 4.74G/5ML/MSVOA_W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-J(0)

Quant Time: Aug 22 05:22:04 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	271856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	457749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	365588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	124011	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	173543	55.59	ug/l	0.00
Spiked Amount			Recovery	=	111.18%	
35) Dibromofluoromethane	7.88	113	139367	54.27	ug/l	0.00
Spiked Amount			Recovery	=	108.54%	
50) Toluene-d8	10.32	98	558958	53.16	ug/l	0.00
Spiked Amount			Recovery	=	106.32%	
62) 4-Bromofluorobenzene	12.62	95	157533	42.02	ug/l	0.00
Spiked Amount			Recovery	=	84.04%	

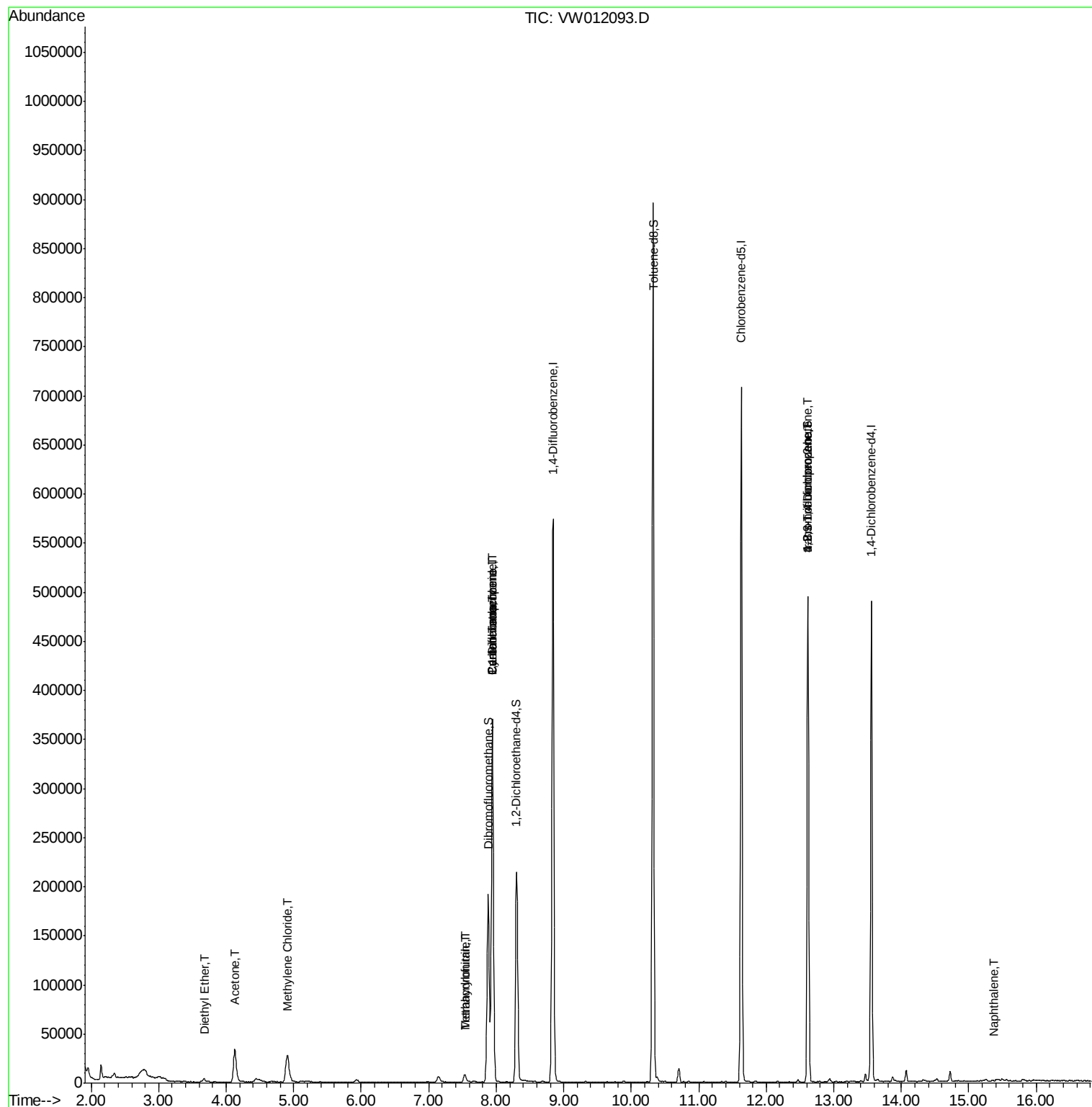
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1620	1.011	ug/l #	37
11) Tert butyl alcohol	5.15	59	176	Below Cal	#	59
16) Acetone	4.12	43	66838	67.310	ug/l	96
20) Methylene Chloride	4.91	84	20709	6.047	ug/l	96
29) Tetrahydrofuran	7.54	42	6743	9.079	ug/l	96
31) Cyclohexane	7.95	56	6987	1.197	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	23079	4.849	ug/l #	52
38) Carbon Tetrachloride	7.95	117	27856	6.836	ug/l #	17
41) Methacrylonitrile	7.54	41	4197	2.564	ug/l #	54
76) 1,2,3-Trichloropropane	12.62	75	84269	64.221	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84269	148.006	ug/l #	6
95) Naphthalene	15.36	128	272	2.119	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: VW012093.D

Acq: 22 Aug 2019 01:29

Instrument :

MSVOA_W

ClientSampleId :

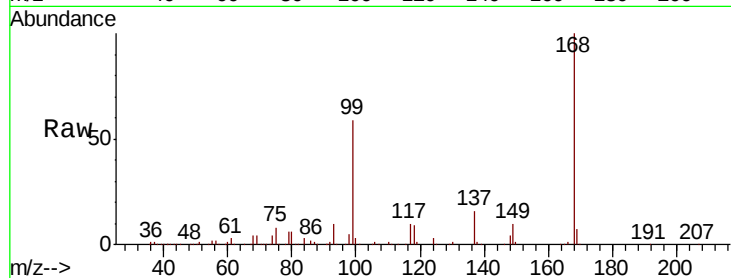
T1-J-(0)

Tgt Ion:168 Resp: 271856

Ion Ratio Lower Upper

168 100

99 58.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

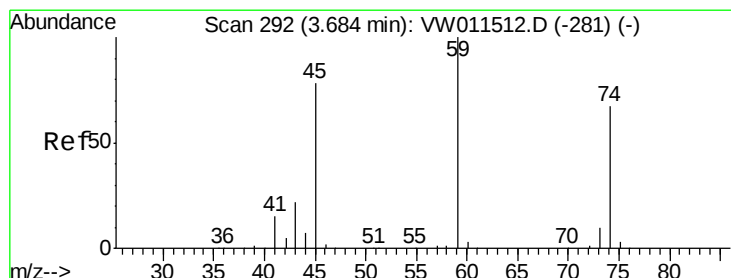
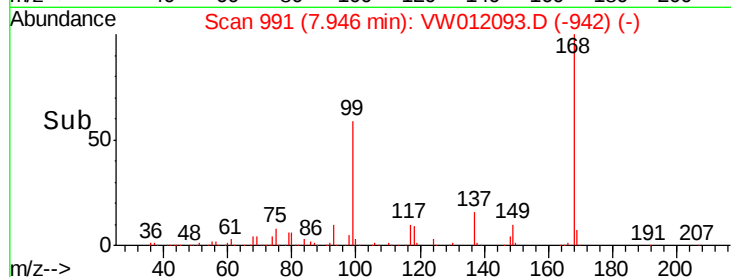
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.011 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW012093.D

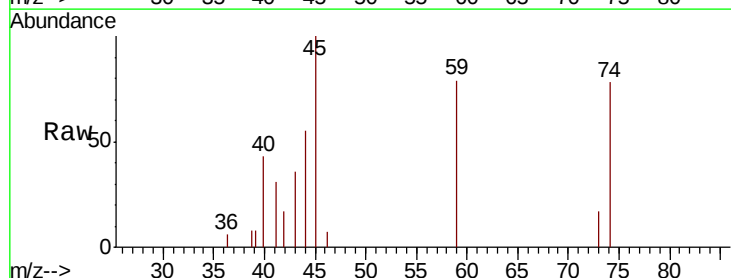
Acq: 22 Aug 2019 01:29

Tgt Ion: 74 Resp: 1620

Ion Ratio Lower Upper

74 100

45 189.0 59.6 178.8#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

1000

800

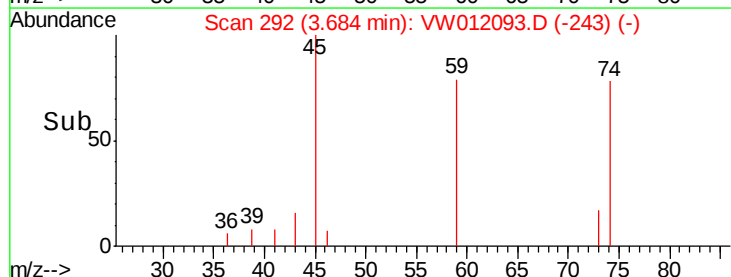
600

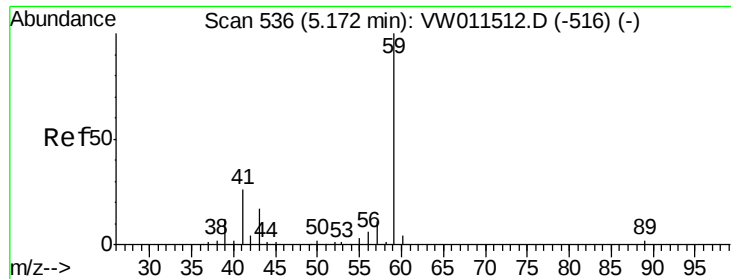
400

200

0

Time--> 3.60 3.65 3.70 3.75

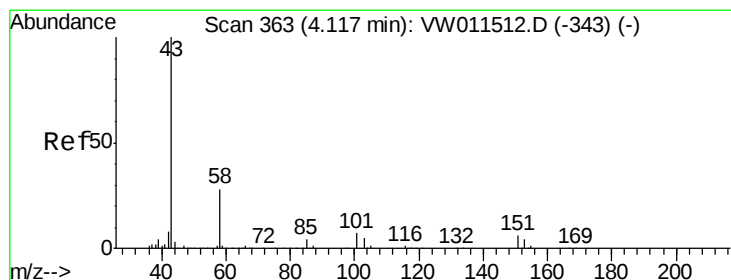
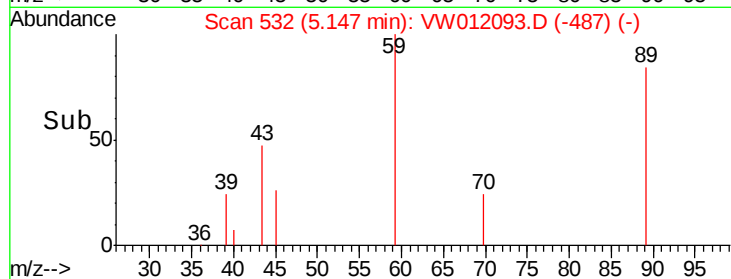
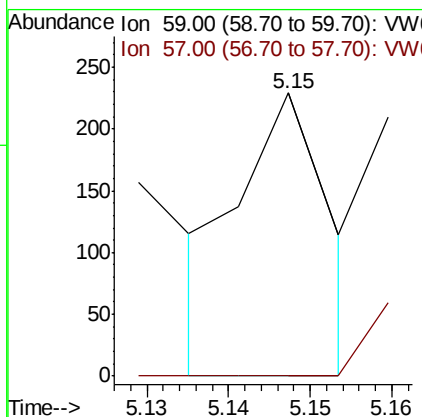
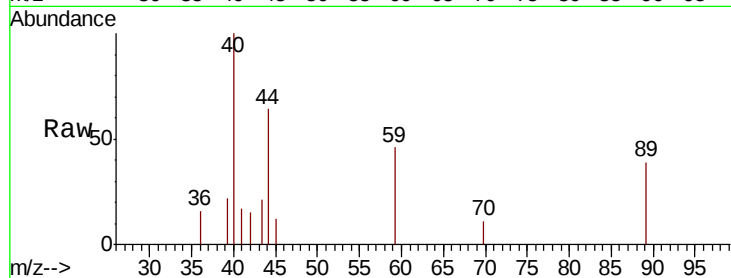




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.15 min Scan# 532
Delta R.T. -0.02 min
Lab File: VW012093.D
Acq: 22 Aug 2019 01:29

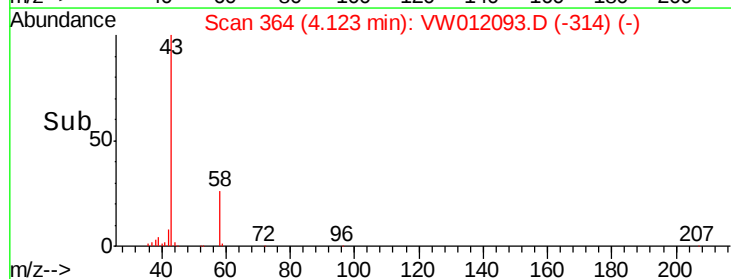
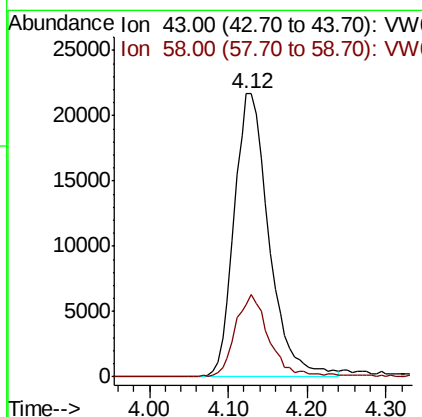
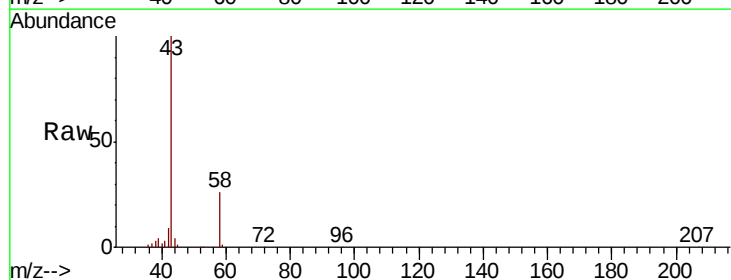
Instrument :
MSVOA_W
ClientSampled :
T1-J-(0)

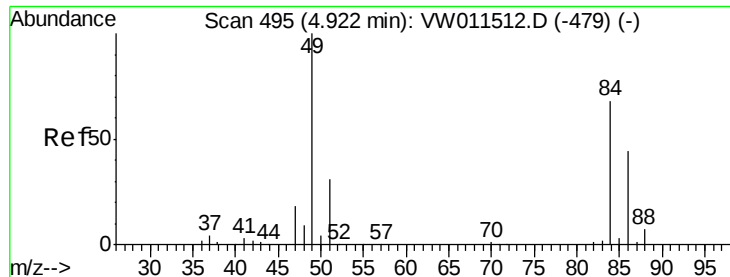
Tgt Ion: 59 Resp: 176
Ion Ratio Lower Upper
59 100
57 26.1 8.5 12.7#



#16
Acetone
Concen: 67.310 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW012093.D
Acq: 22 Aug 2019 01:29

Tgt Ion: 43 Resp: 66838
Ion Ratio Lower Upper
43 100
58 25.6 22.3 33.5

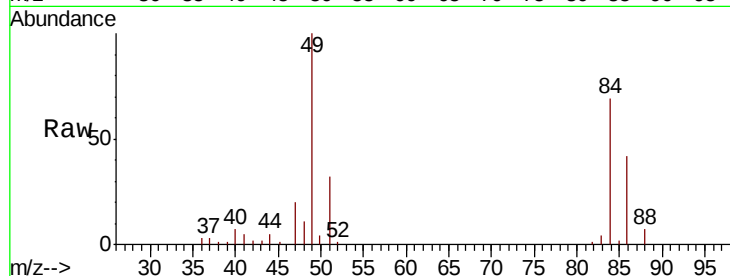




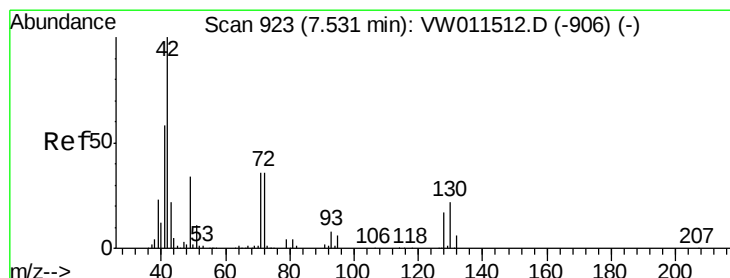
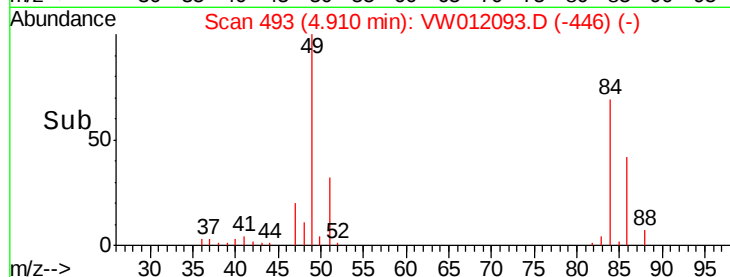
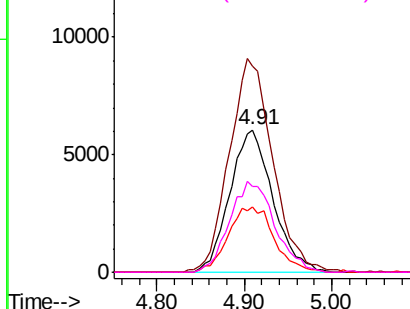
#20
Methylene Chloride
Concen: 6.047 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012093.D
Acq: 22 Aug 2019 01:29

Instrument :
MSVOA_W
ClientSampleId :
T1-J-(0)

Tgt Ion:	84	Resp:	20709
Ion	Ratio	Lower	Upper
84	100		
49	142.6	117.8	176.6
51	46.1	37.0	55.4
86	60.4	51.8	77.8

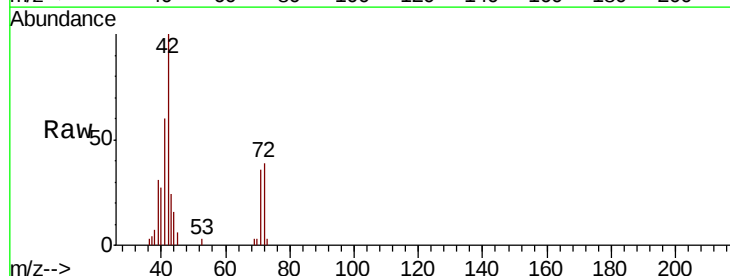


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

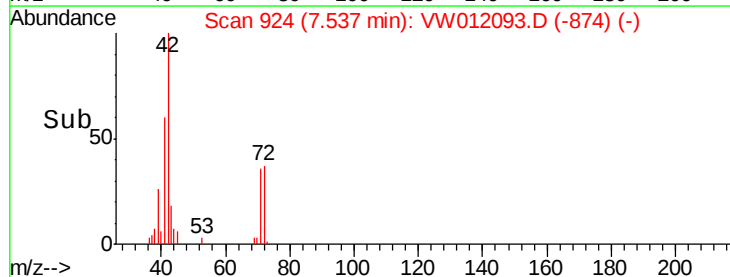
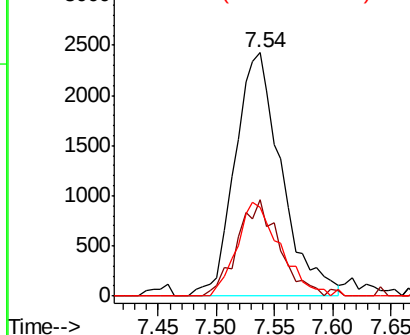


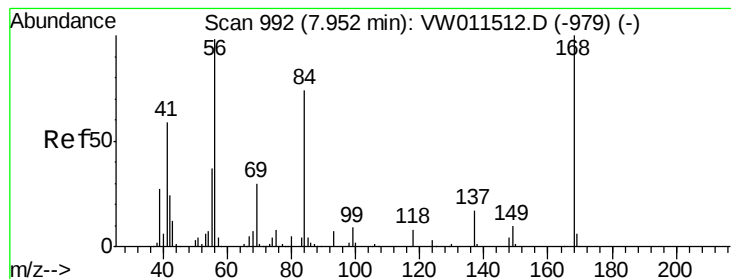
#29
Tetrahydrofuran
Concen: 9.079 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012093.D
Acq: 22 Aug 2019 01:29

Tgt Ion:	42	Resp:	6743
Ion	Ratio	Lower	Upper
42	100		
72	35.5	27.1	40.7
71	35.7	26.2	39.4



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: 1.197 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012093.D

Acq: 22 Aug 2019 01:29

Instrument :

MSVOA_W

ClientSampleId :

T1-J-(0)

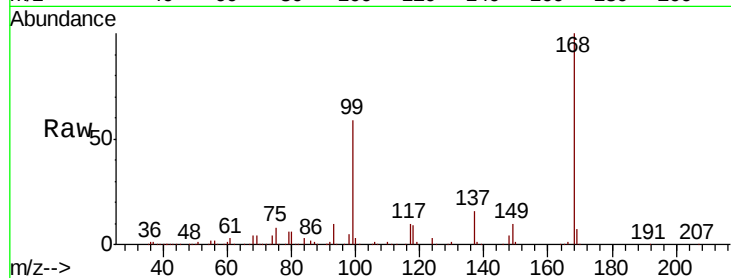
Tgt Ion: 56 Resp: 6987

Ion Ratio Lower Upper

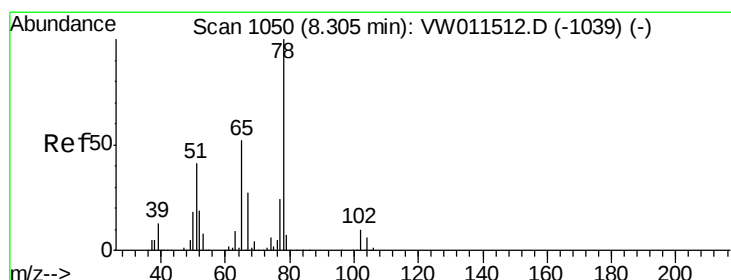
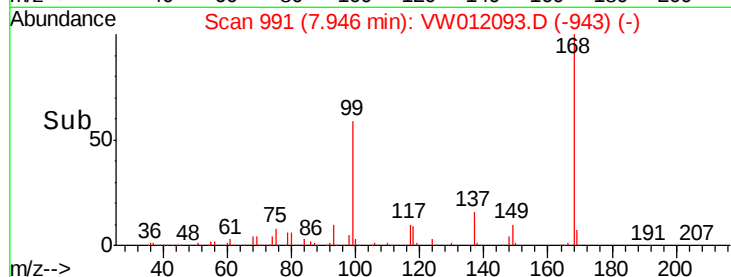
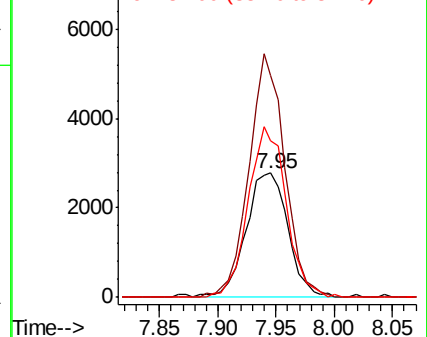
56 100

69 179.3 24.3 36.5#

84 126.0 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: 55.593 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012093.D

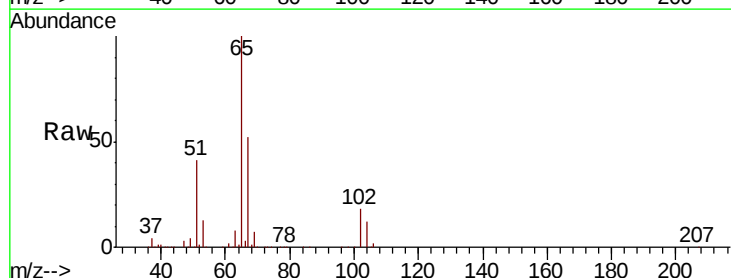
Acq: 22 Aug 2019 01:29

Tgt Ion: 65 Resp: 173543

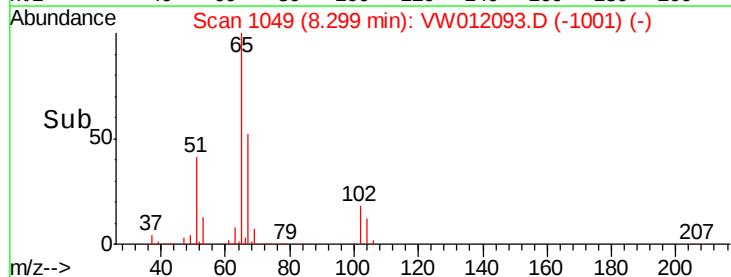
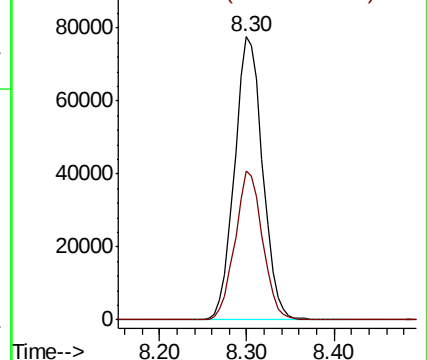
Ion Ratio Lower Upper

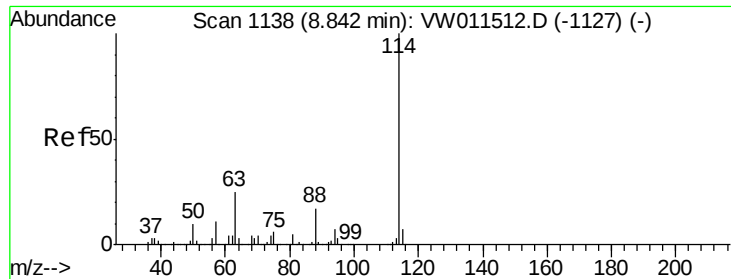
65 100

67 51.7 0.0 105.2



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

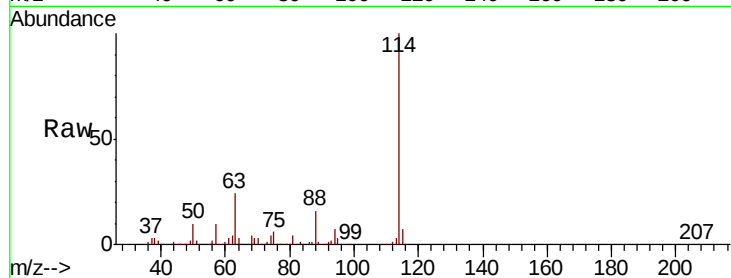




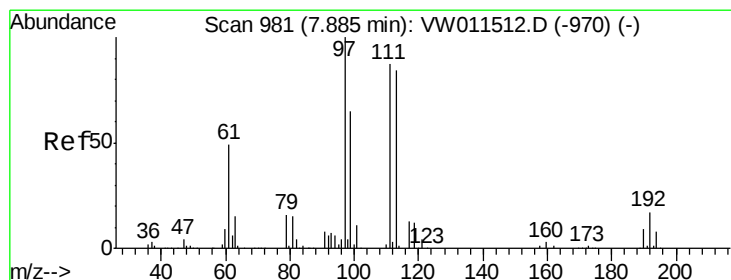
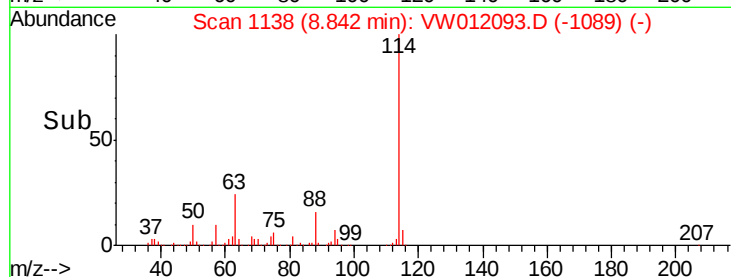
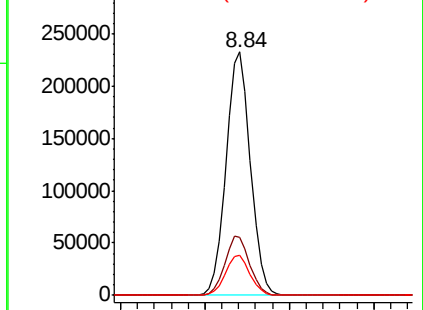
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012093.D
 Acq: 22 Aug 2019 01:29

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-J-(0)

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	49.2
88	16.2	0.0	33.8

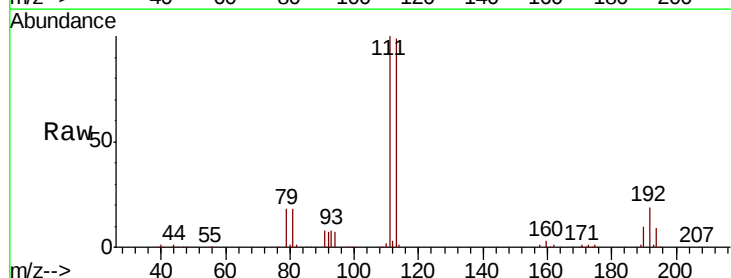


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

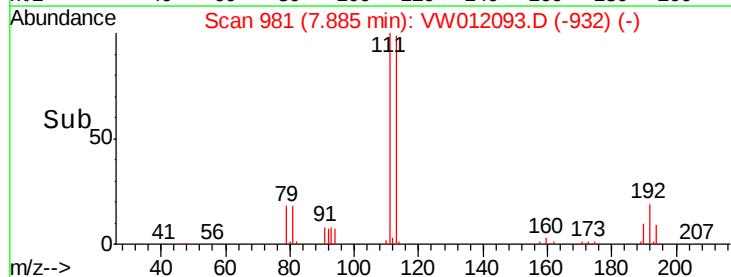
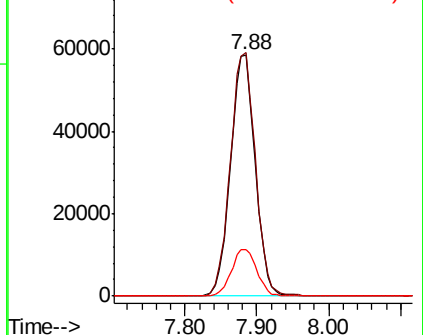


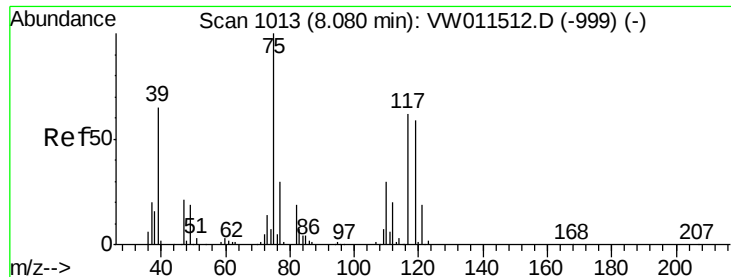
#35
 Dibromofluoromethane
 Concen: 54.270 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012093.D
 Acq: 22 Aug 2019 01:29

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.7	124.1
192	19.9	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

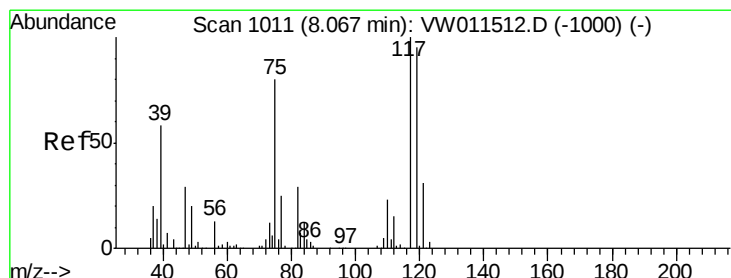
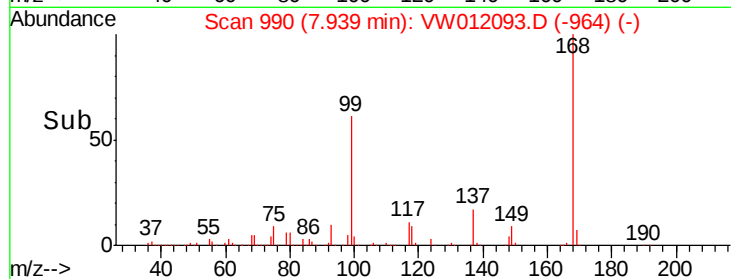
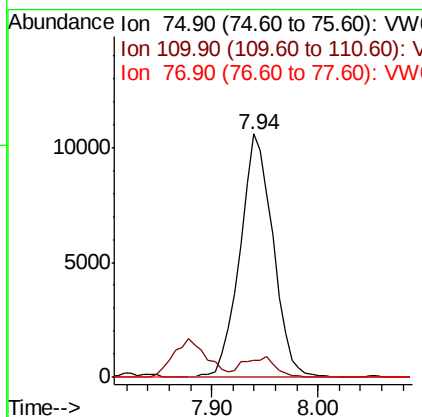
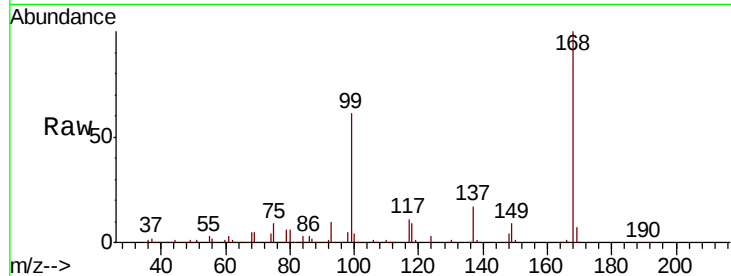




#36
 1,1-Dichloropropene
 Concen: 4.849 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012093.D
 Acq: 22 Aug 2019 01:29

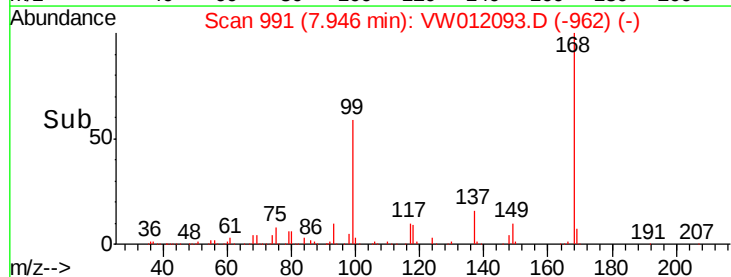
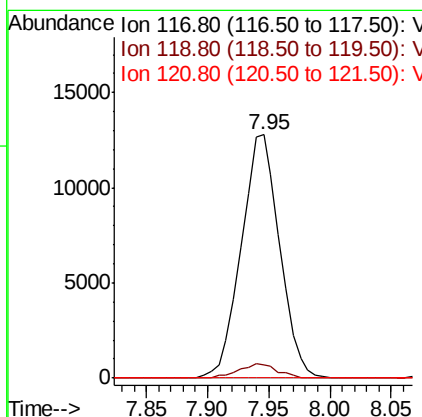
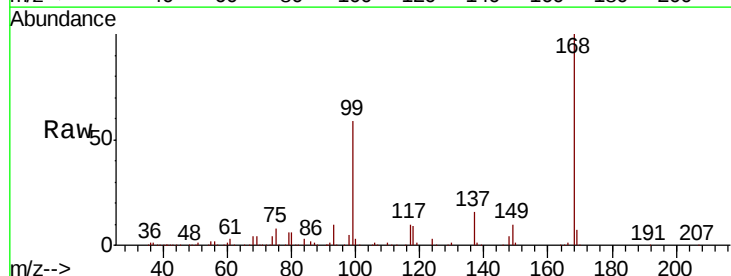
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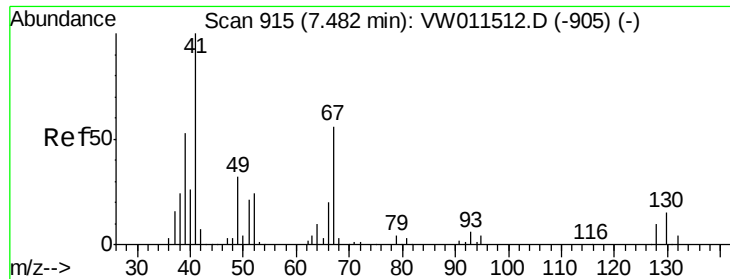
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.836 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012093.D
 Acq: 22 Aug 2019 01:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	75.8	113.6#
121	0.0	24.7	37.1#

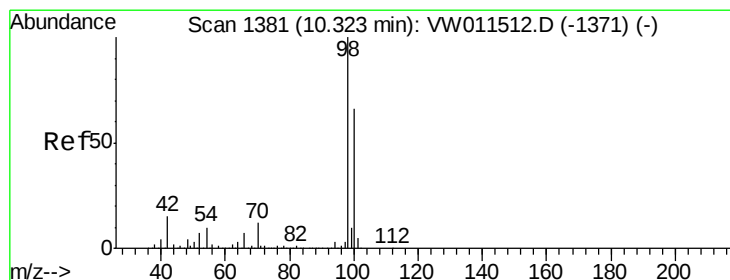
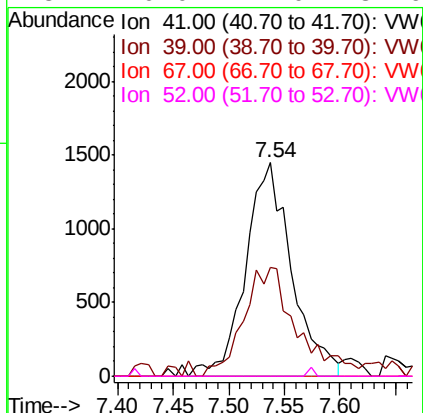
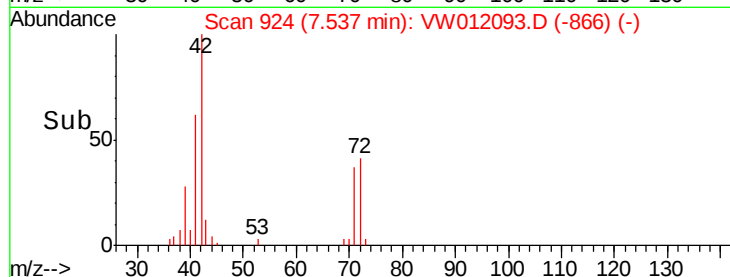
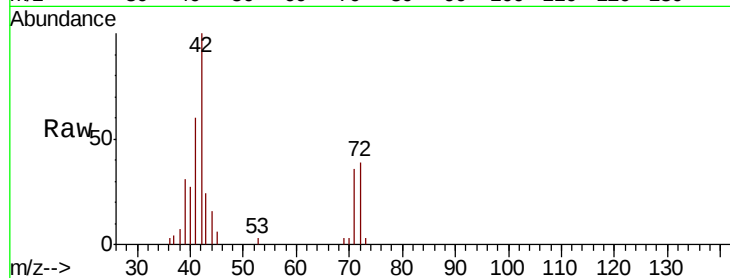




#41
Methacrylonitrile
Concen: 2.564 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012093.D
Acq: 22 Aug 2019 01:29

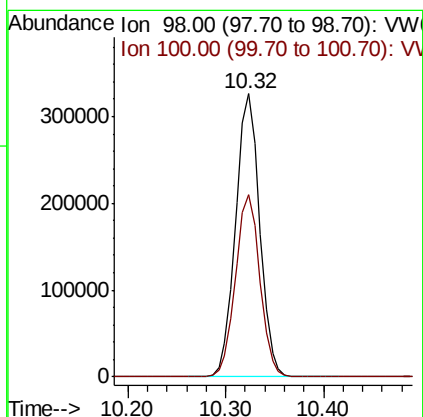
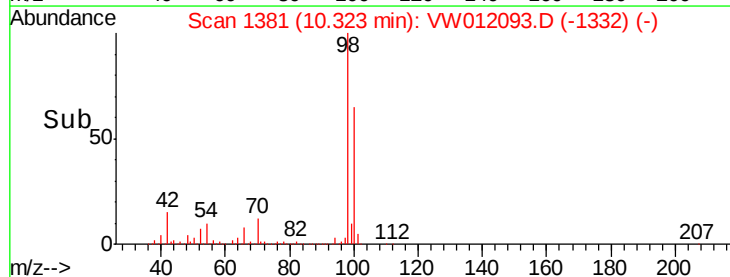
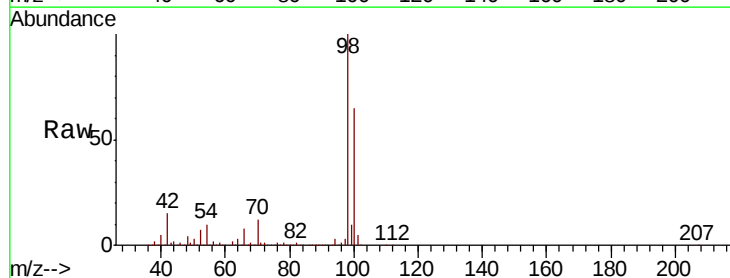
Instrument :
MSVOA_W
ClientSampled :
T1-J-(0)

Tgt Ion:	41	Resp:	4197
Ion	Ratio	Lower	Upper
41	100		
39	58.5	43.0	64.4
67	0.0	47.5	71.3#
52	0.0	21.0	31.6#



#50
Toluene-d8
Concen: 53.161 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012093.D
Acq: 22 Aug 2019 01:29

Tgt Ion:	98	Resp:	558958
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.7	79.1





#62

4-Bromofluorobenzene

Concen: 42.025 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012093.D

Acq: 22 Aug 2019 01:29

Instrument :

MSVOA_W

ClientSampleId :

T1-J-(0)

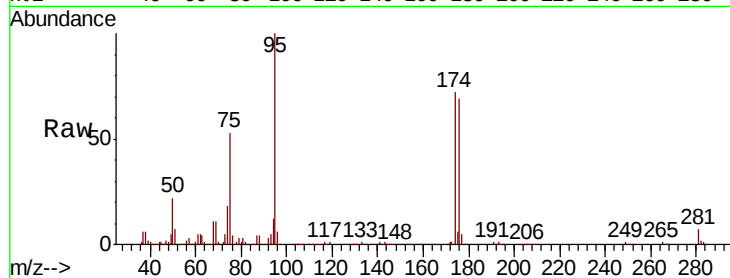
Tgt Ion: 95 Resp: 157533

Ion Ratio Lower Upper

95 100

174 76.1 0.0 150.2

176 73.3 0.0 144.4



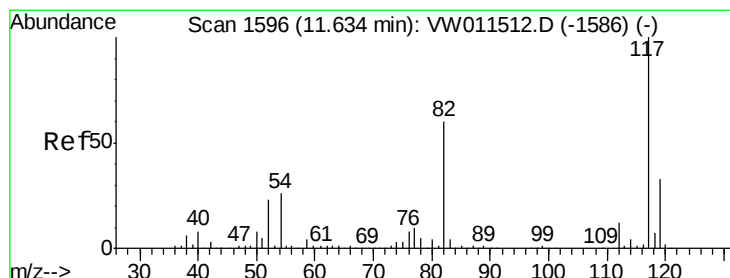
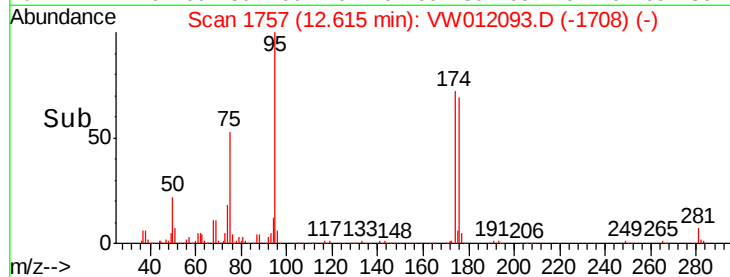
Abundance Ion 94.90 (94.60 to 95.60): VW011512.D (-1749) (-)

Ion 173.80 (173.50 to 174.50): VW011512.D (-1749) (-)

Ion 175.80 (175.50 to 176.50): VW011512.D (-1749) (-)

12.62

Time--> 12.50 12.60 12.70



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012093.D

Acq: 22 Aug 2019 01:29

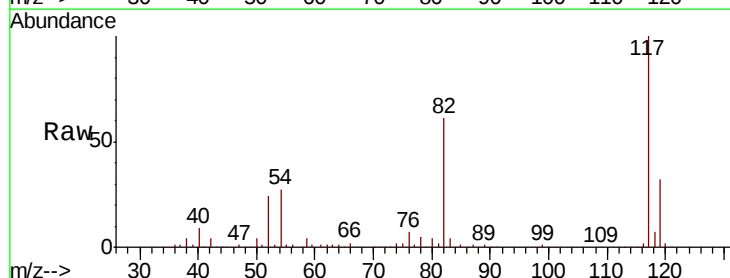
Tgt Ion: 117 Resp: 365588

Ion Ratio Lower Upper

117 100

82 61.4 47.9 71.9

119 32.3 26.2 39.2



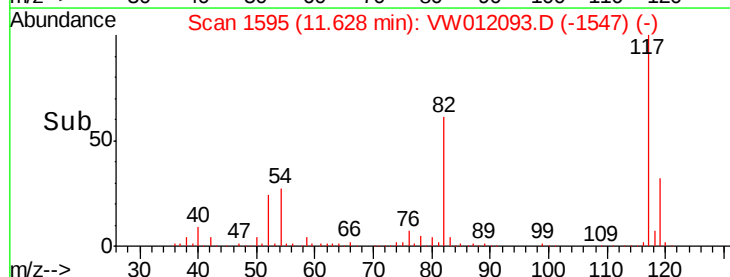
Abundance Ion 116.90 (116.60 to 117.60): VW011512.D (-1586) (-)

Ion 82.00 (81.70 to 82.70): VW011512.D (-1586) (-)

Ion 118.90 (118.60 to 119.60): VW011512.D (-1586) (-)

11.63

Time--> 11.50 11.60 11.70





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012093.D

Acq: 22 Aug 2019 01:29

Instrument :

MSVOA_W

ClientSampleId :

T1-J-(0)

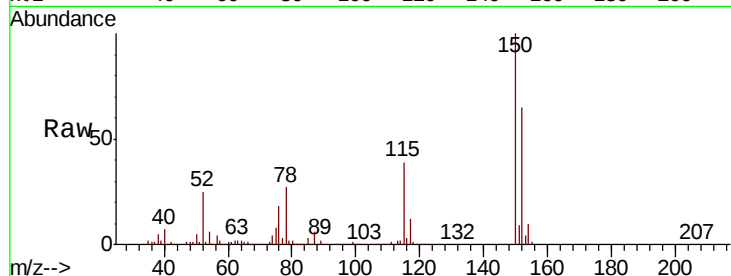
Tgt Ion:152 Resp: 124011

Ion Ratio Lower Upper

152 100

115 60.4 30.5 91.5

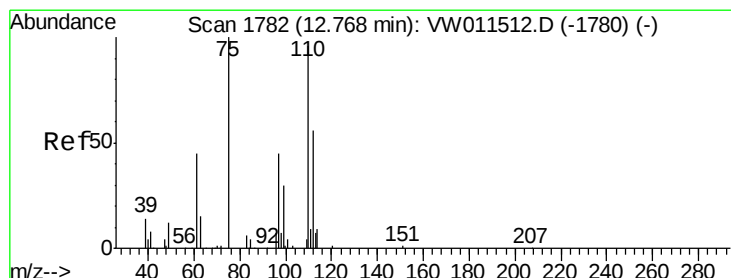
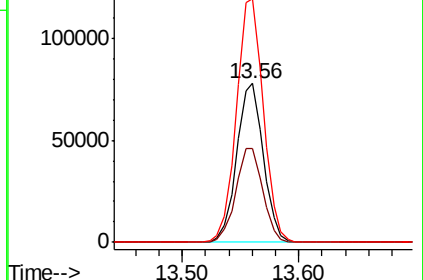
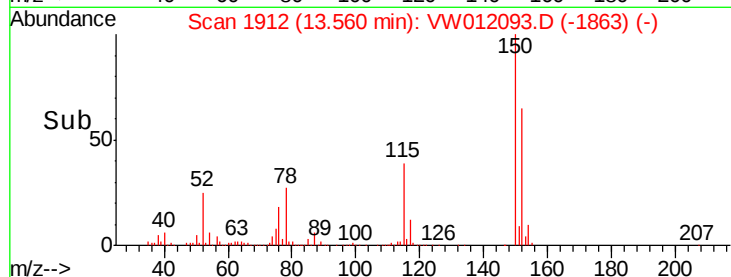
150 155.5 0.0 352.6



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: 64.221 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012093.D

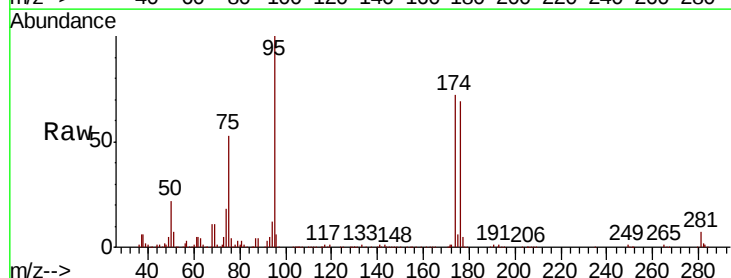
Acq: 22 Aug 2019 01:29

Tgt Ion: 75 Resp: 84269

Ion Ratio Lower Upper

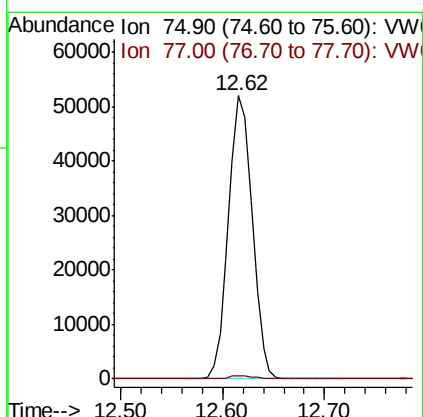
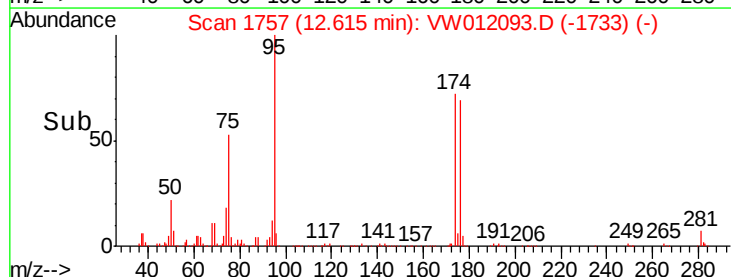
75 100

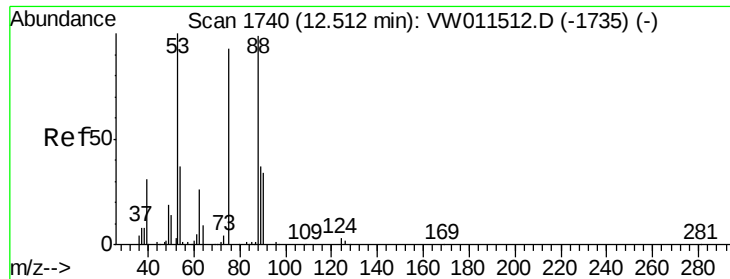
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

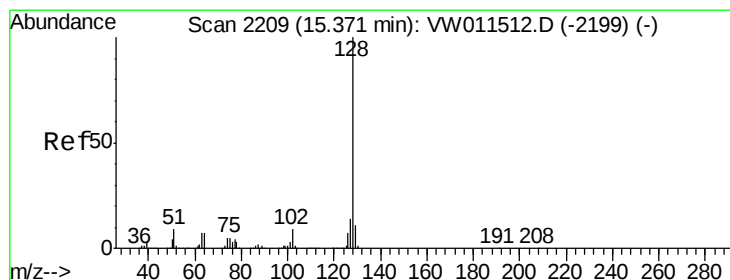
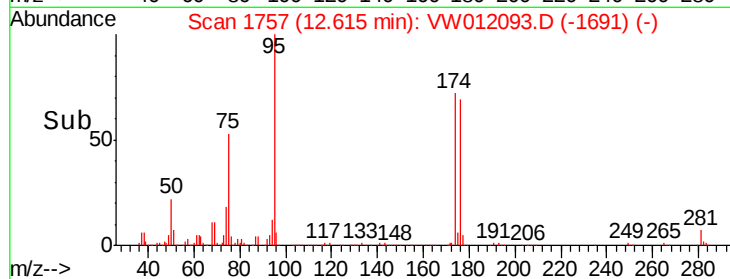
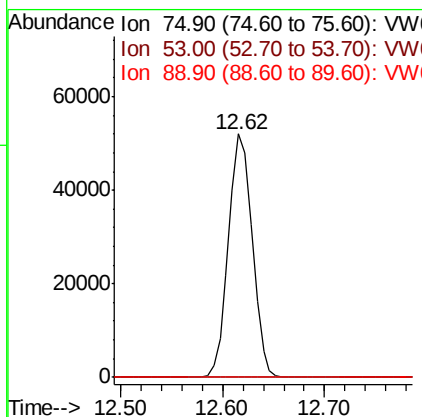
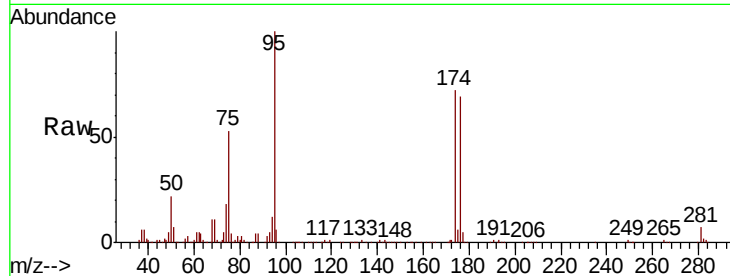




#81
 trans-1,4-Dichloro-2-butene
 Concen: 148.006 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012093.D
 Acq: 22 Aug 2019 01:29

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-J-(0)

Tgt Ion: 75 Resp: 84269
 Ion Ratio Lower Upper
 75 100
 53 0.2 88.0 132.0#
 89 0.0 35.3 52.9#



#95
 Naphthalene
 Concen: 2.119 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.01 min
 Lab File: VW012093.D
 Acq: 22 Aug 2019 01:29

Tgt Ion: 128 Resp: 272
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 16.0#
 129 0.0 8.6 13.0#

