

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081719\
 Data File : VW011962.D
 Acq On : 16 Aug 2019 14:00
 Operator : SY/VA
 Sample : K4339-11RE
 Misc : 5.35G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T8-B1-(0)

Quant Time: Aug 17 04:59:28 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	206937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	349806	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	275099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	93763	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	135502	57.02	ug/l	0.00
Spiked Amount			Recovery	=	114.04%	
35) Dibromofluoromethane	7.88	113	105342	53.68	ug/l	0.00
Spiked Amount			Recovery	=	107.36%	
50) Toluene-d8	10.32	98	413988	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
62) 4-Bromofluorobenzene	12.62	95	121644	42.46	ug/l	0.00
Spiked Amount			Recovery	=	84.92%	

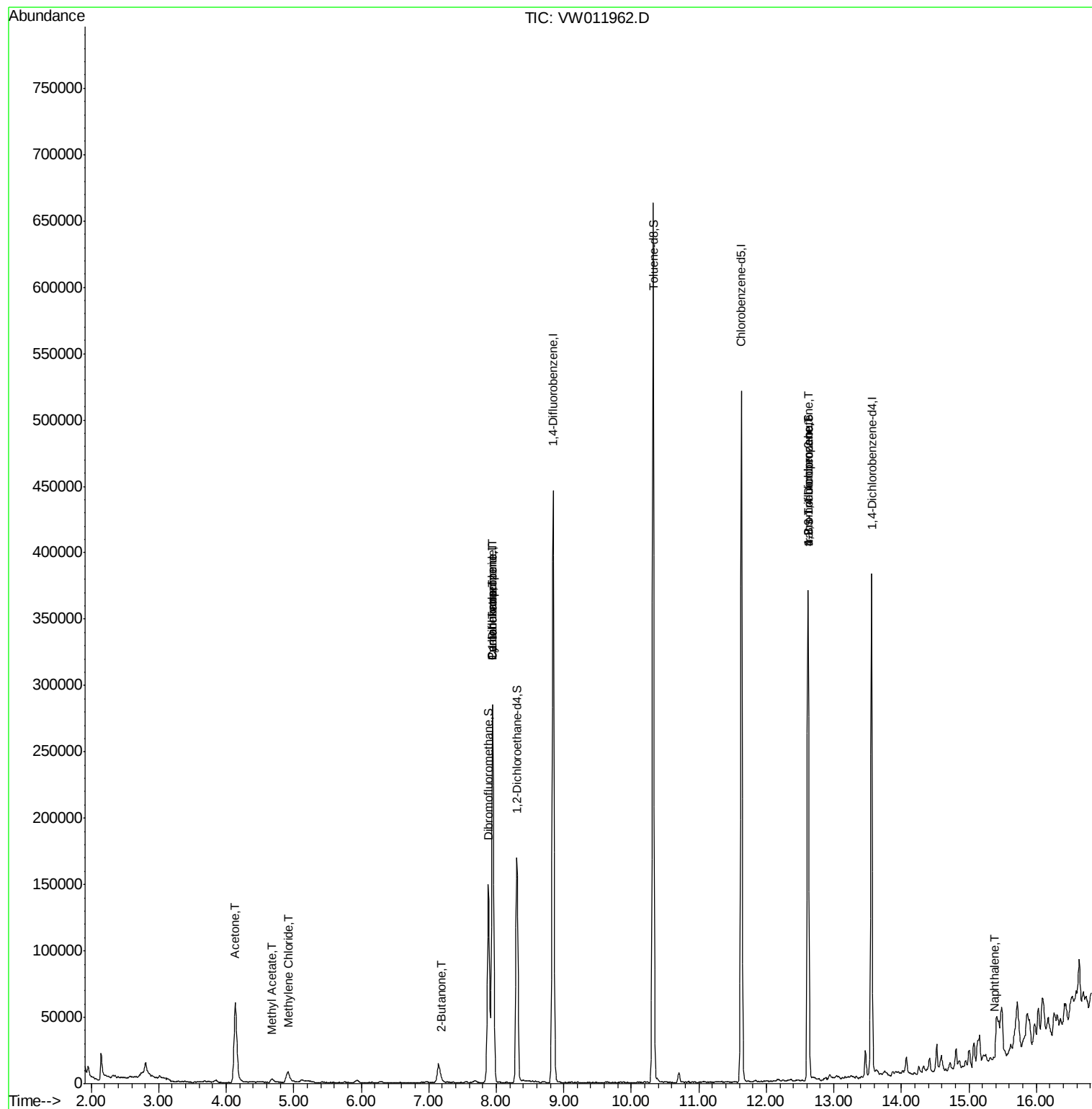
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	829	Below Cal		99
16) Acetone	4.14	43	119850	158.559	ug/l	99
18) Methyl Acetate	4.68	43	5781	3.404	ug/l	95
20) Methylene Chloride	4.92	84	6120	2.348	ug/l	83
25) 2-Butanone	7.19	43	3792	3.834	ug/l	98
31) Cyclohexane	7.95	56	5027	1.131	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17936	4.931	ug/l #	52
38) Carbon Tetrachloride	7.95	117	20932	6.722	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	64234	64.744	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	64234	149.213	ug/l #	7
95) Naphthalene	15.37	128	938	2.309	ug/l #	79

(#) = 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: VW011962.D

Acq: 16 Aug 2019 14:00

Instrument :

MSVOA_W

ClientSampleId :

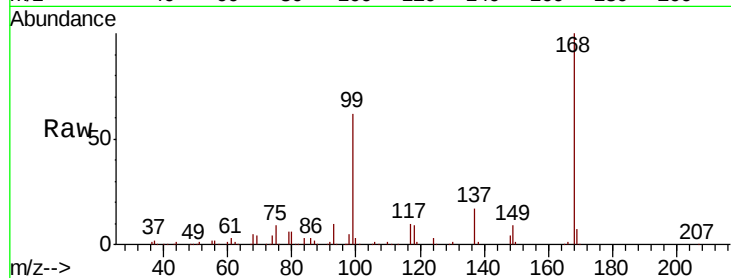
T8-B1-(0)

Tgt Ion:168 Resp: 206937

Ion Ratio Lower Upper

168 100

99 62.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

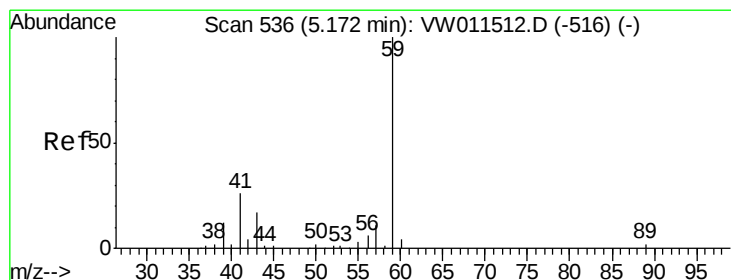
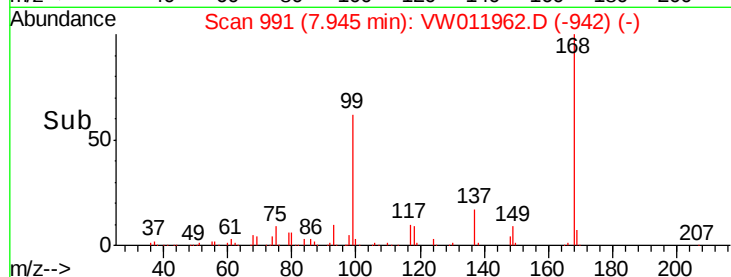
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 541

Delta R.T. 0.03 min

Lab File: VW011962.D

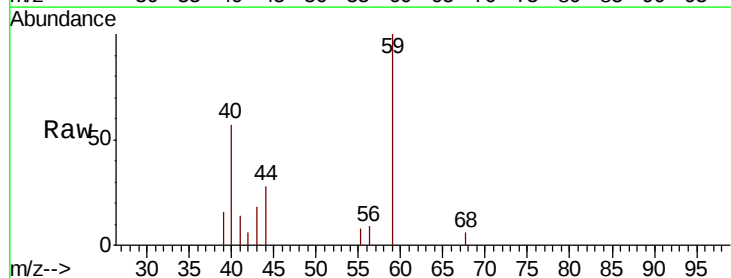
Acq: 16 Aug 2019 14:00

Tgt Ion: 59 Resp: 829

Ion Ratio Lower Upper

59 100

57 10.4 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

1000

800

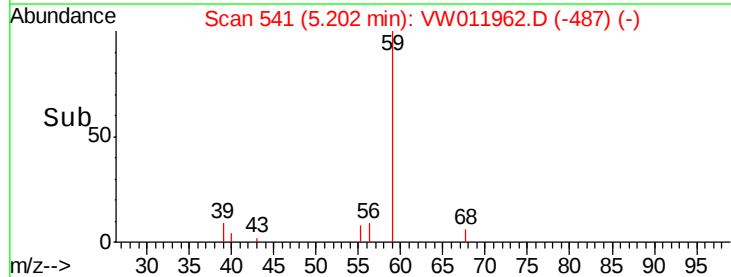
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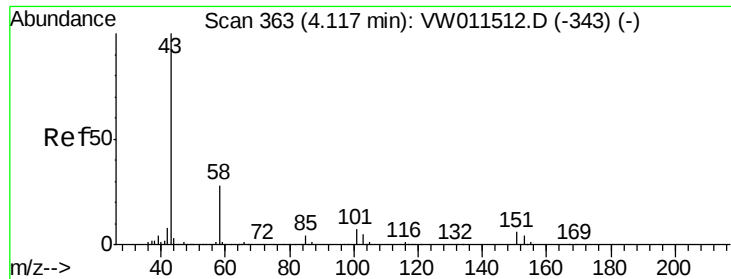
400

200

0

Time-->





#16

Acetone

Concen: 158.559 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011962.D

Acq: 16 Aug 2019 14:00

Instrument :

MSVOA_W

ClientSampleId :

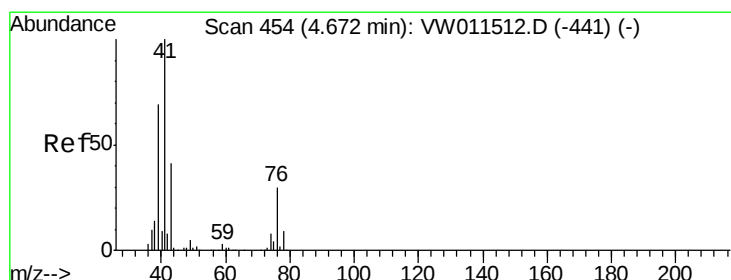
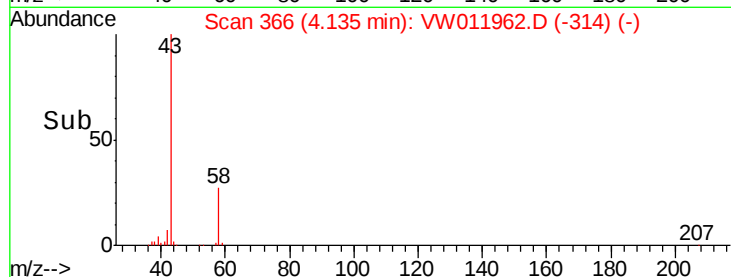
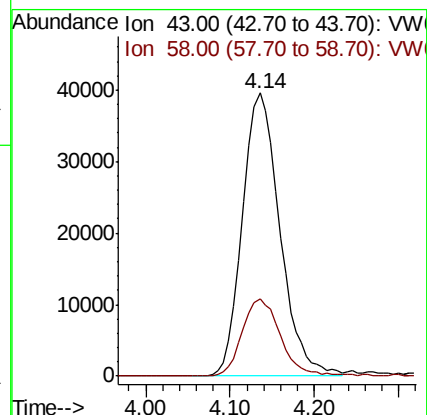
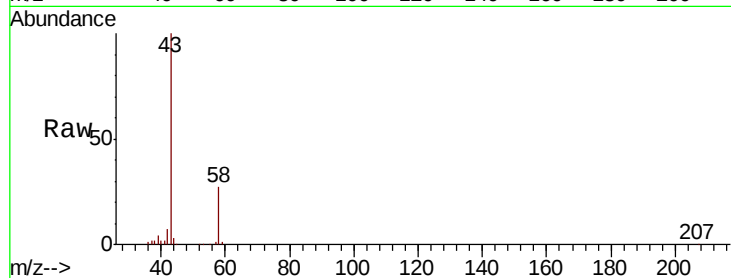
T8-B1-(0)

Tgt Ion: 43 Resp: 119850

Ion Ratio Lower Upper

43 100

58 27.3 22.3 33.5



#18

Methyl Acetate

Concen: 3.404 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW011962.D

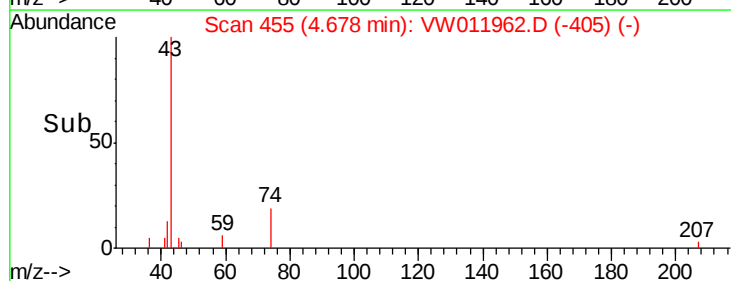
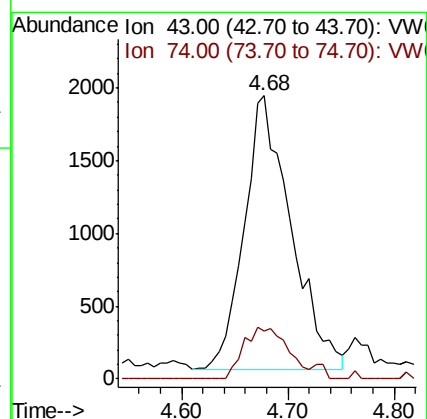
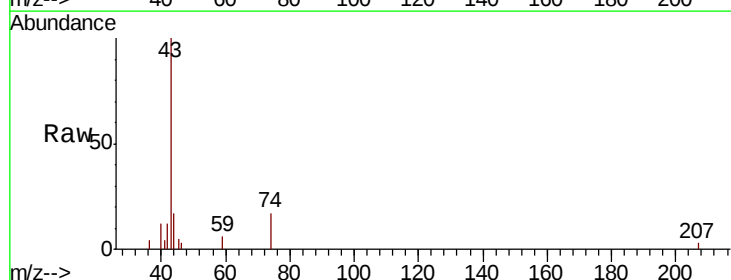
Acq: 16 Aug 2019 14:00

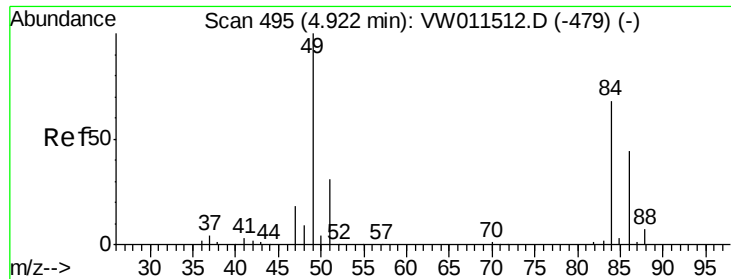
Tgt Ion: 43 Resp: 5781

Ion Ratio Lower Upper

43 100

74 17.8 15.9 23.9

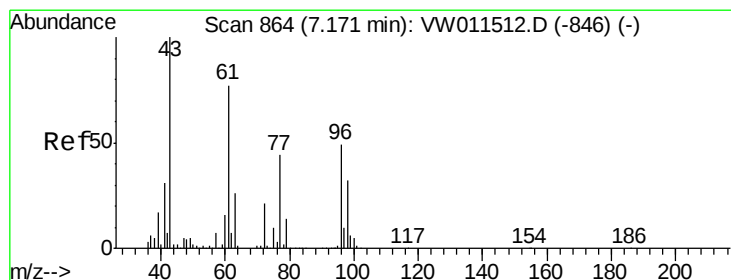
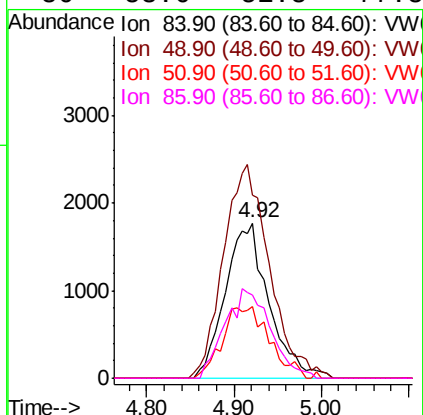
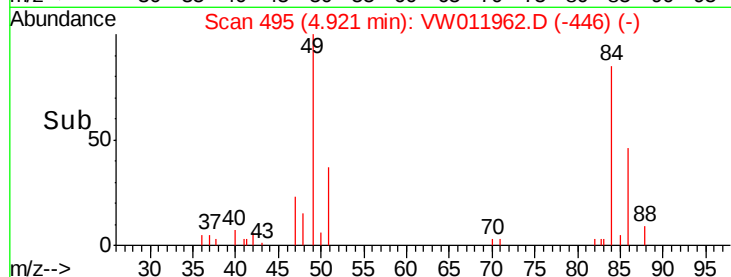
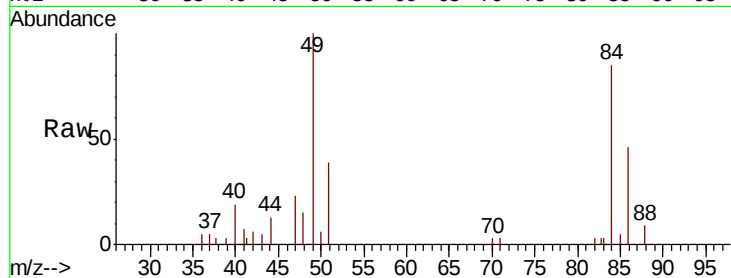




#20
Methylene Chloride
Concen: 2.348 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW011962.D
Acq: 16 Aug 2019 14:00

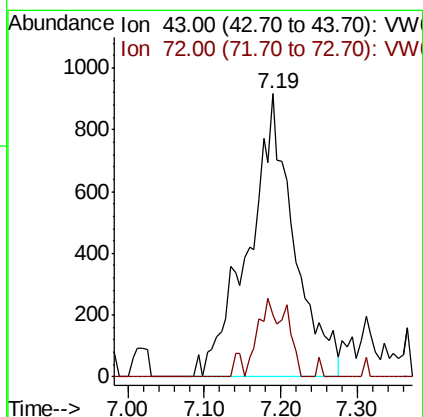
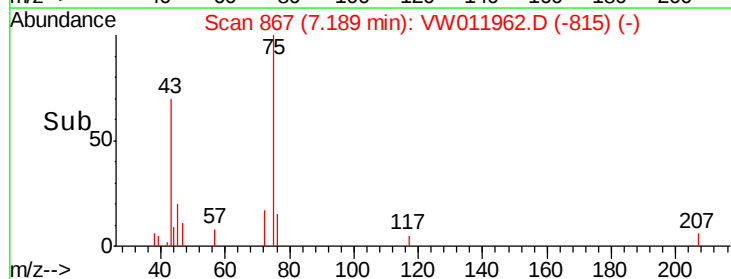
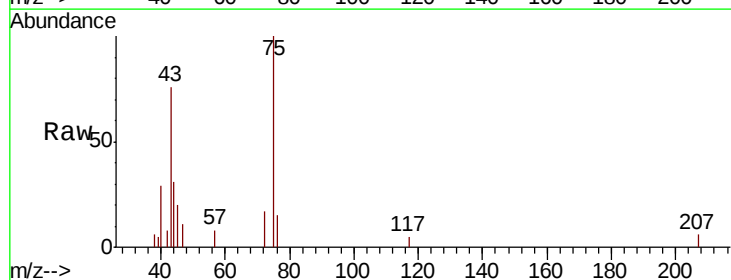
Instrument :
MSVOA_W
ClientSampleId :
T8-B1-(0)

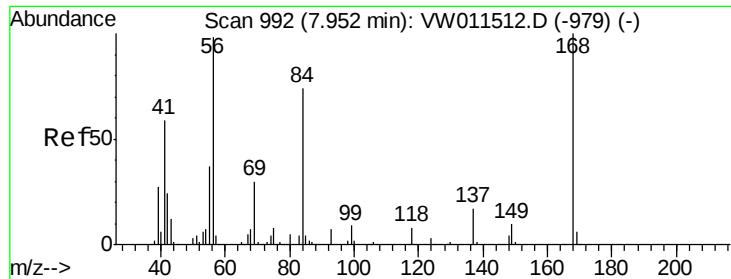
Tgt Ion:	84	Resp:	6120
Ion	Ratio	Lower	Upper
84	100		
49	117.9	117.8	176.6
51	46.5	37.0	55.4
86	53.6	51.8	77.8



#25
2-Butanone
Concen: 3.834 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW011962.D
Acq: 16 Aug 2019 14:00

Tgt Ion:	43	Resp:	3792
Ion	Ratio	Lower	Upper
43	100		
72	21.8	16.6	24.8

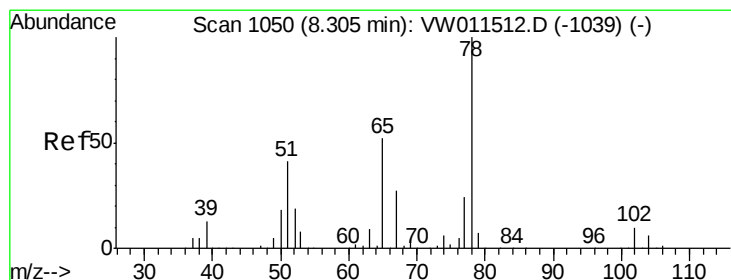
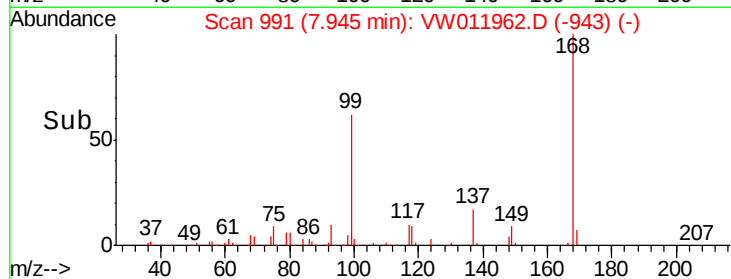
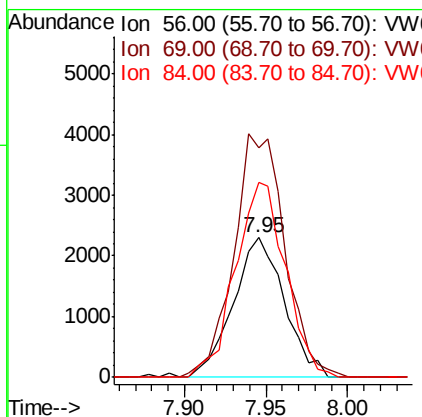
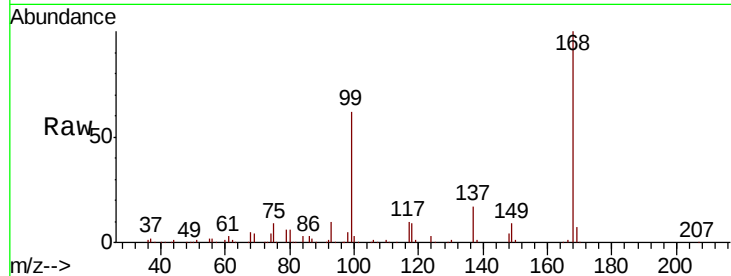




#31
Cyclohexane
Concen: 1.131 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011962.D
Acq: 16 Aug 2019 14:00

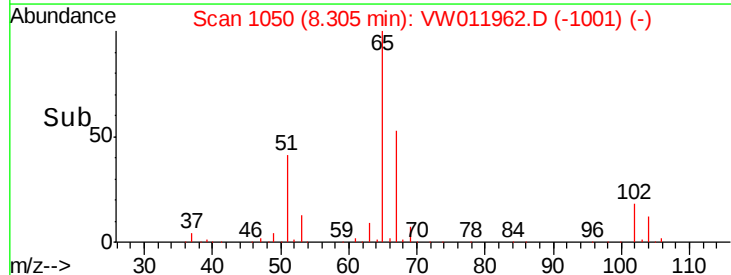
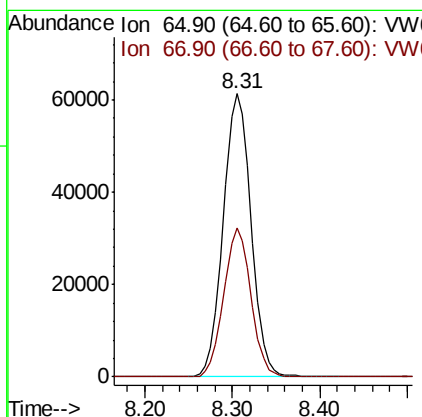
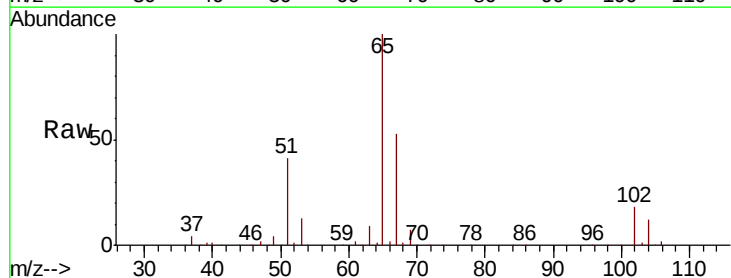
Instrument :
MSVOA_W
ClientSampled :
T8-B1-(0)

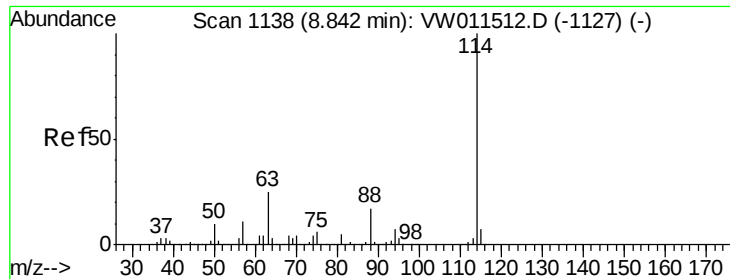
Tgt Ion: 56 Resp: 5027
Ion Ratio Lower Upper
56 100
69 161.7 24.3 36.5#
84 139.7 60.4 90.6#



#33
1,2-Dichloroethane-d4
Concen: 57.024 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW011962.D
Acq: 16 Aug 2019 14:00

Tgt Ion: 65 Resp: 135502
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.2

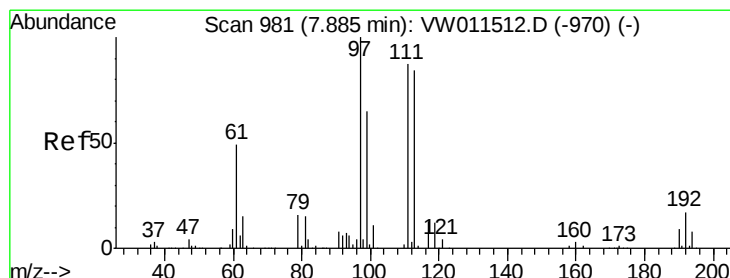
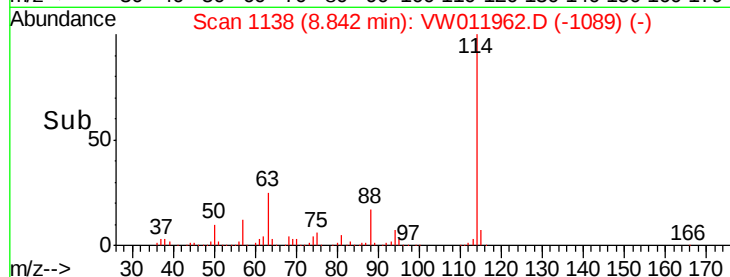
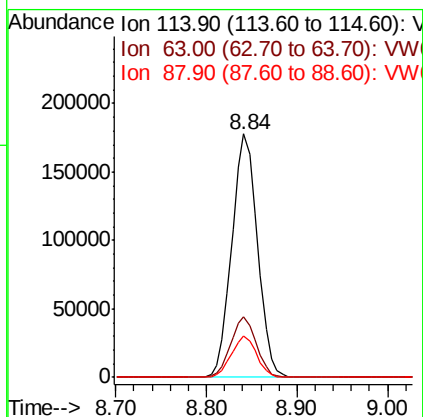
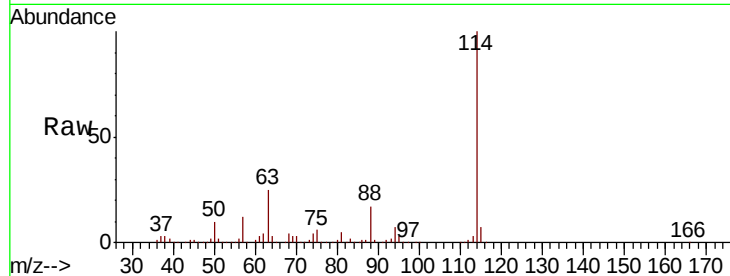




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011962.D
 Acq: 16 Aug 2019 14:00

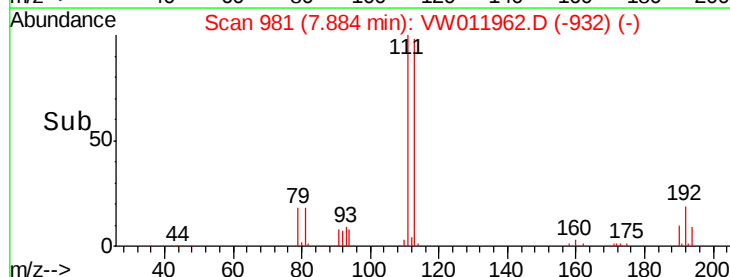
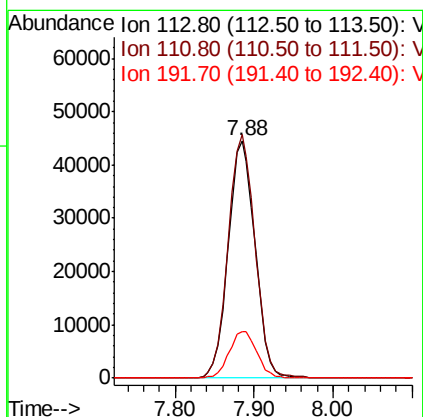
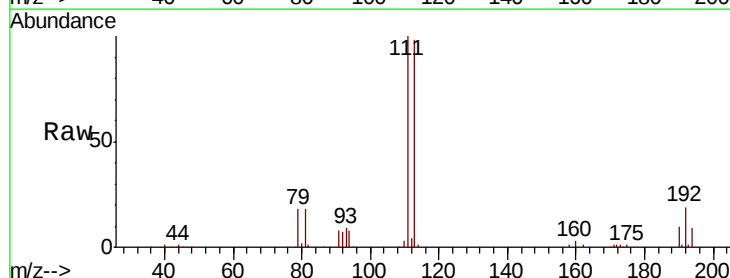
Instrument :
 MSVOA_W
 ClientSampleId :
 T8-B1-(0)

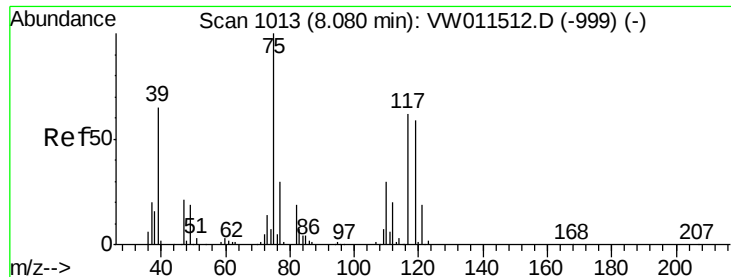
Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	49.2
88	16.8	0.0	33.8



#35
 Dibromofluoromethane
 Concen: 53.678 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011962.D
 Acq: 16 Aug 2019 14:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.7	124.1
192	20.2	16.1	24.1

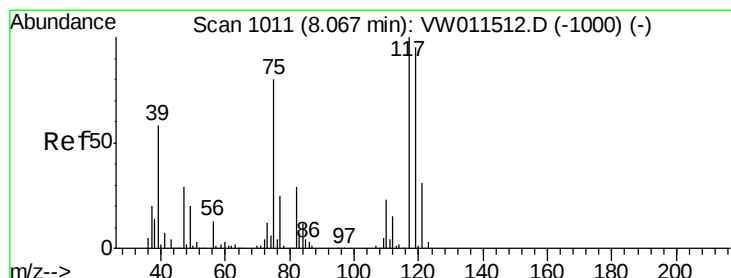
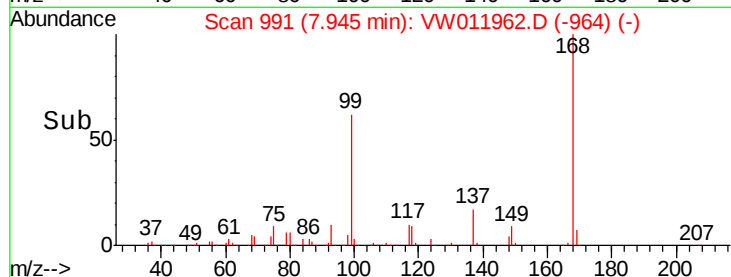
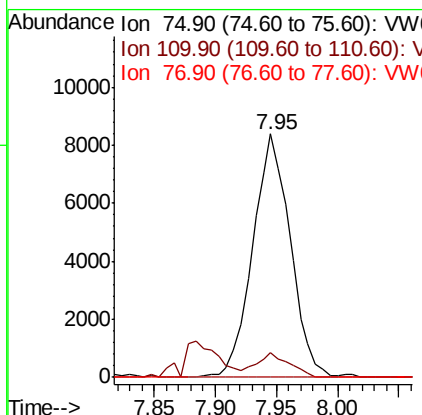
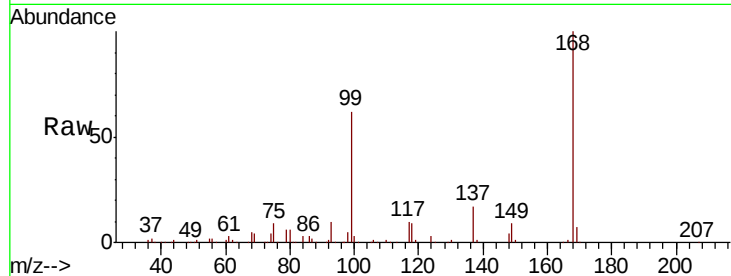




#36
 1,1-Dichloropropene
 Concen: 4.931 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011962.D
 Acq: 16 Aug 2019 14:00

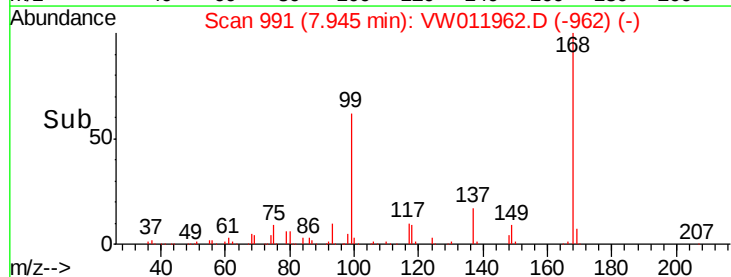
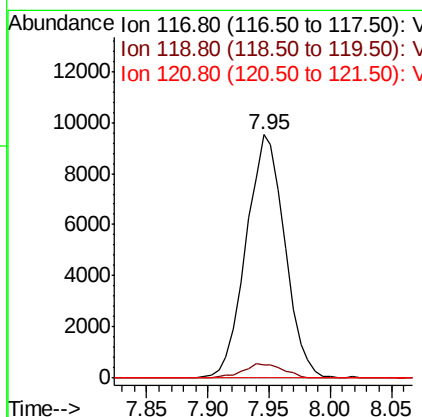
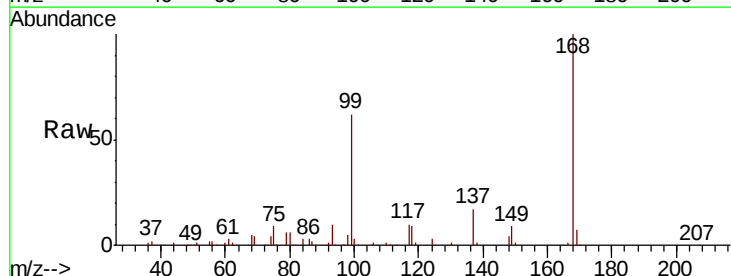
Instrument :
 MSVOA_W
 ClientSampleId :
 T8-B1-(0)

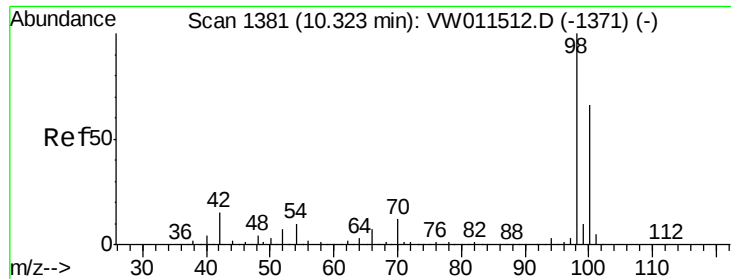
Tgt Ion: 75 Resp: 17936
 Ion Ratio Lower Upper
 75 100
 110 8.6 15.6 46.8#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.722 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011962.D
 Acq: 16 Aug 2019 14:00

Tgt Ion: 117 Resp: 20932
 Ion Ratio Lower Upper
 117 100
 119 5.5 75.8 113.6#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 51.523 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011962.D

Acq: 16 Aug 2019 14:00

Instrument :

MSVOA_W

ClientSampleId :

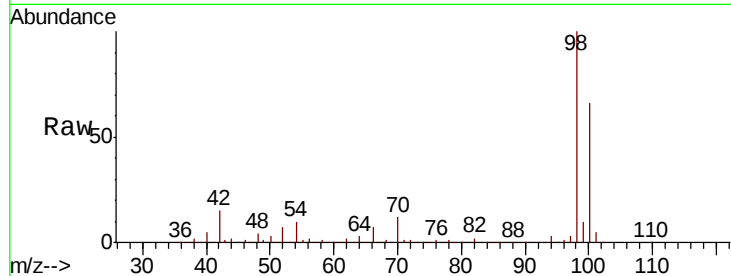
T8-B1-(0)

Tgt Ion: 98 Resp: 413988

Ion Ratio Lower Upper

98 100

100 65.4 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

250000

200000

150000

100000

50000

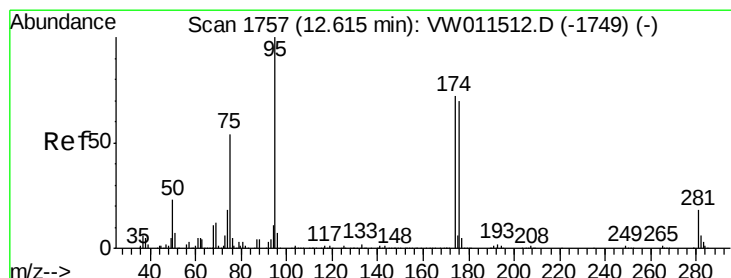
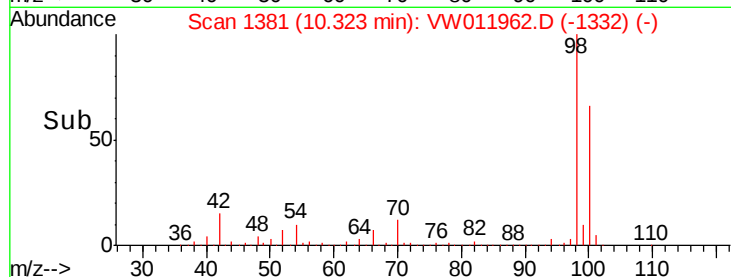
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10.20

10.30

10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 42.464 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011962.D

Acq: 16 Aug 2019 14:00

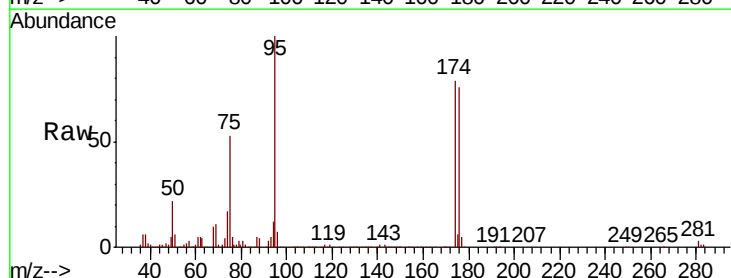
Tgt Ion: 95 Resp: 121644

Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.2

176 73.2 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

100000

80000

60000

40000

20000

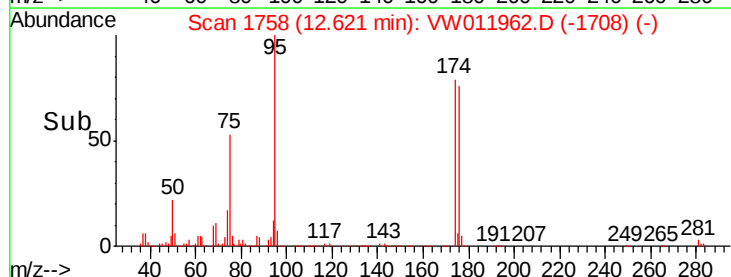
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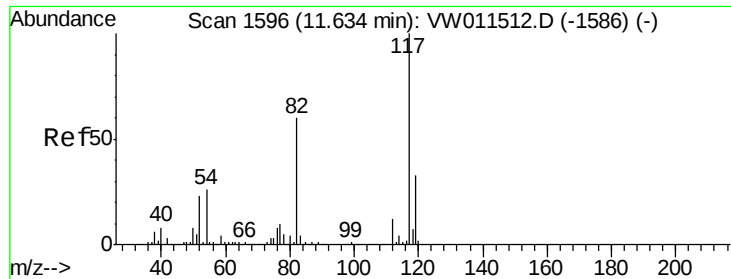
12.50

12.60

12.70

Time-->

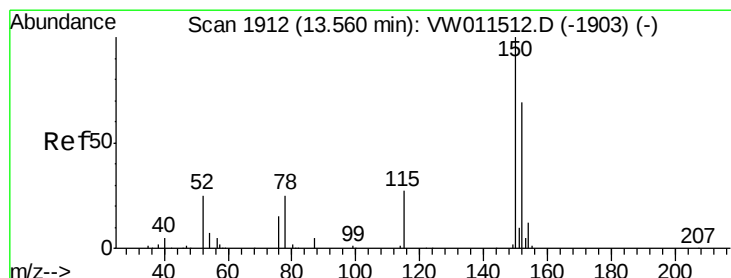
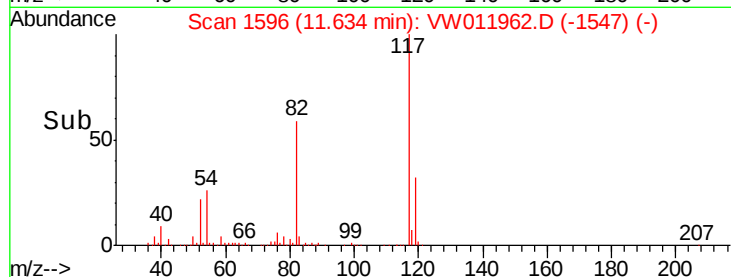
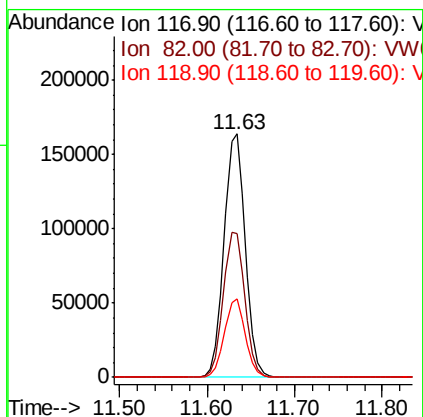
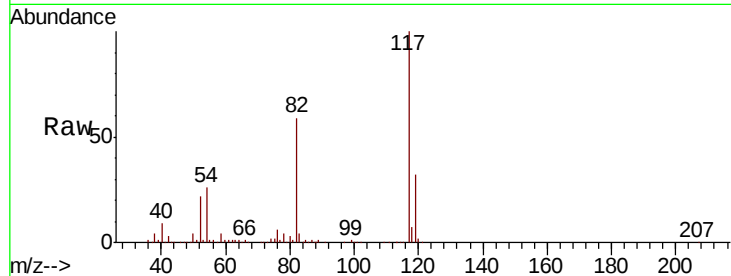




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011962.D
Acq: 16 Aug 2019 14:00

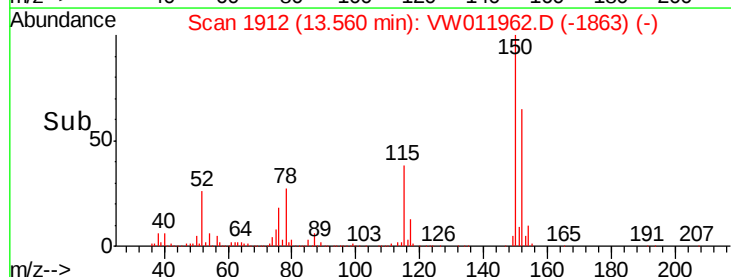
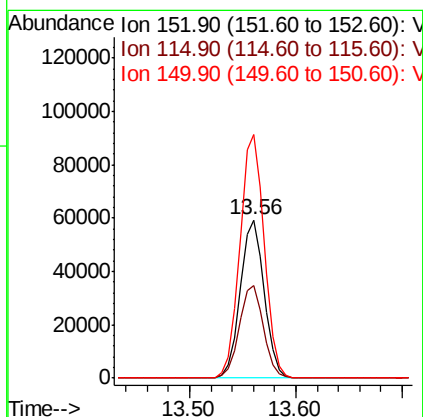
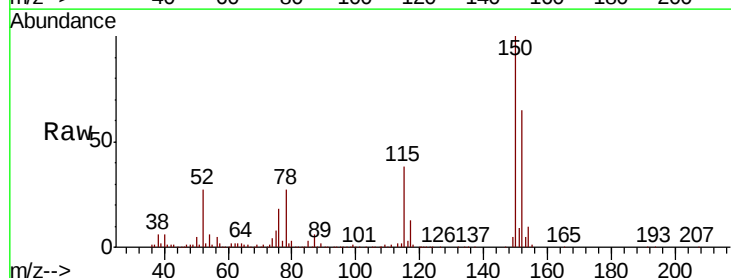
Instrument :
MSVOA_W
ClientSampleId :
T8-B1-(0)

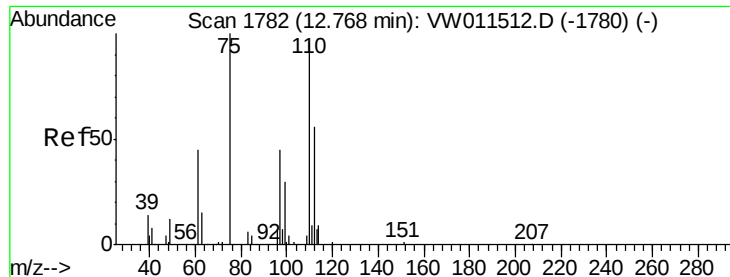
Tgt Ion:117 Resp: 275099
Ion Ratio Lower Upper
117 100
82 59.1 47.9 71.9
119 32.3 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011962.D
Acq: 16 Aug 2019 14:00

Tgt Ion:152 Resp: 93763
Ion Ratio Lower Upper
152 100
115 58.8 30.5 91.5
150 156.2 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 64.744 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011962.D

Acq: 16 Aug 2019 14:00

Instrument :

MSVOA_W

ClientSampleId :

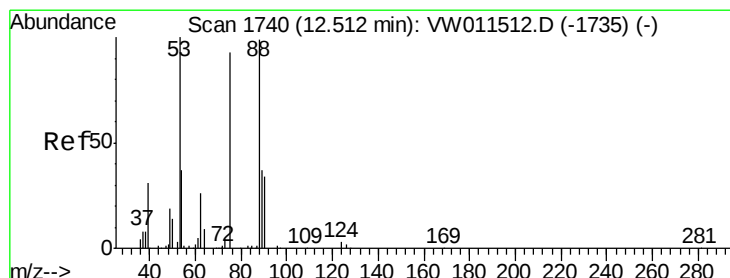
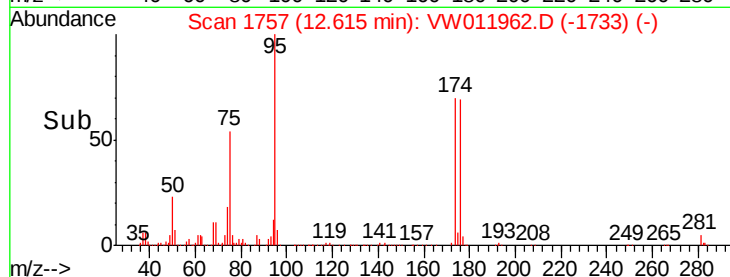
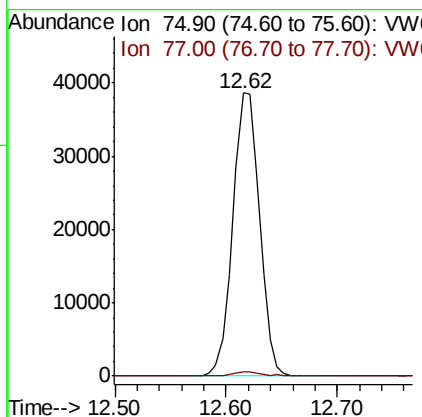
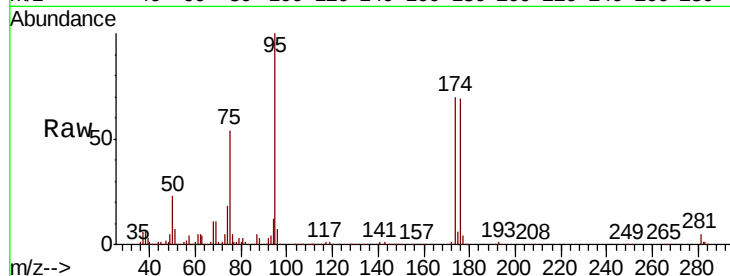
T8-B1-(0)

Tgt Ion: 75 Resp: 64234

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 149.213 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011962.D

Acq: 16 Aug 2019 14:00

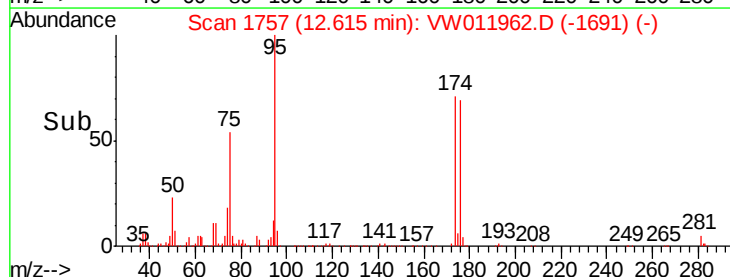
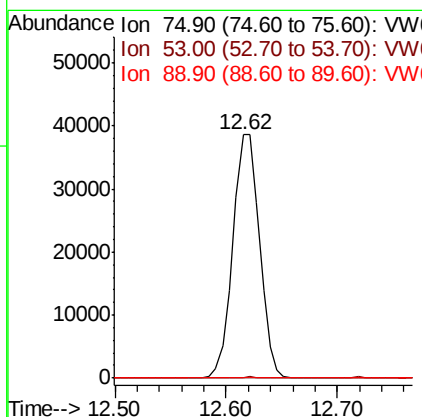
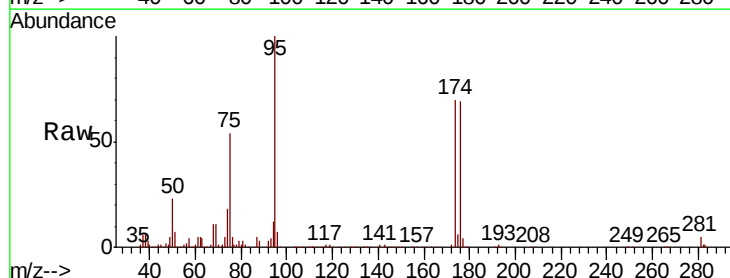
Tgt Ion: 75 Resp: 64234

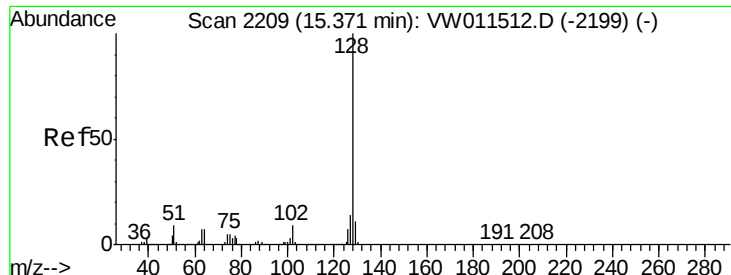
Ion Ratio Lower Upper

75 100

53 0.6 88.0 132.0#

89 0.1 35.3 52.9#

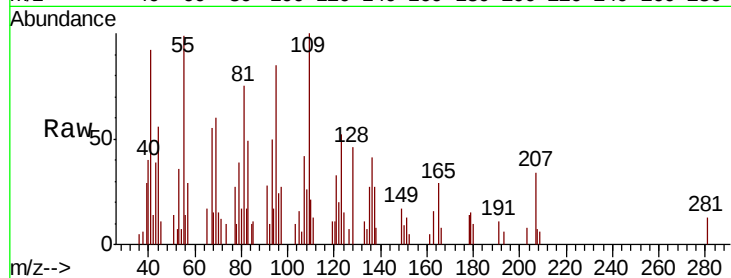




#95
Naphthalene
Concen: 2.309 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011962.D
Acq: 16 Aug 2019 14:00

Instrument :
MSVOA_W
ClientSampleId :
T8-B1-(0)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	5.9	10.6	16.0#
129	2.0	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

