

Data File : VW012361.D
Acq On : 30 Aug 2019 20:01
Operator : SY/VA
Sample : K4493-22
Misc : 5.19G/5ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-G4-(1.9)

Quant Time: Aug 31 03:06:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	195687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	325644	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	250232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	81988	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	128628	55.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.58%	
35) Dibromofluoromethane	7.88	113	100339	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
50) Toluene-d8	10.32	98	389346	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.62	95	107066	38.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.08%	

Target Compounds

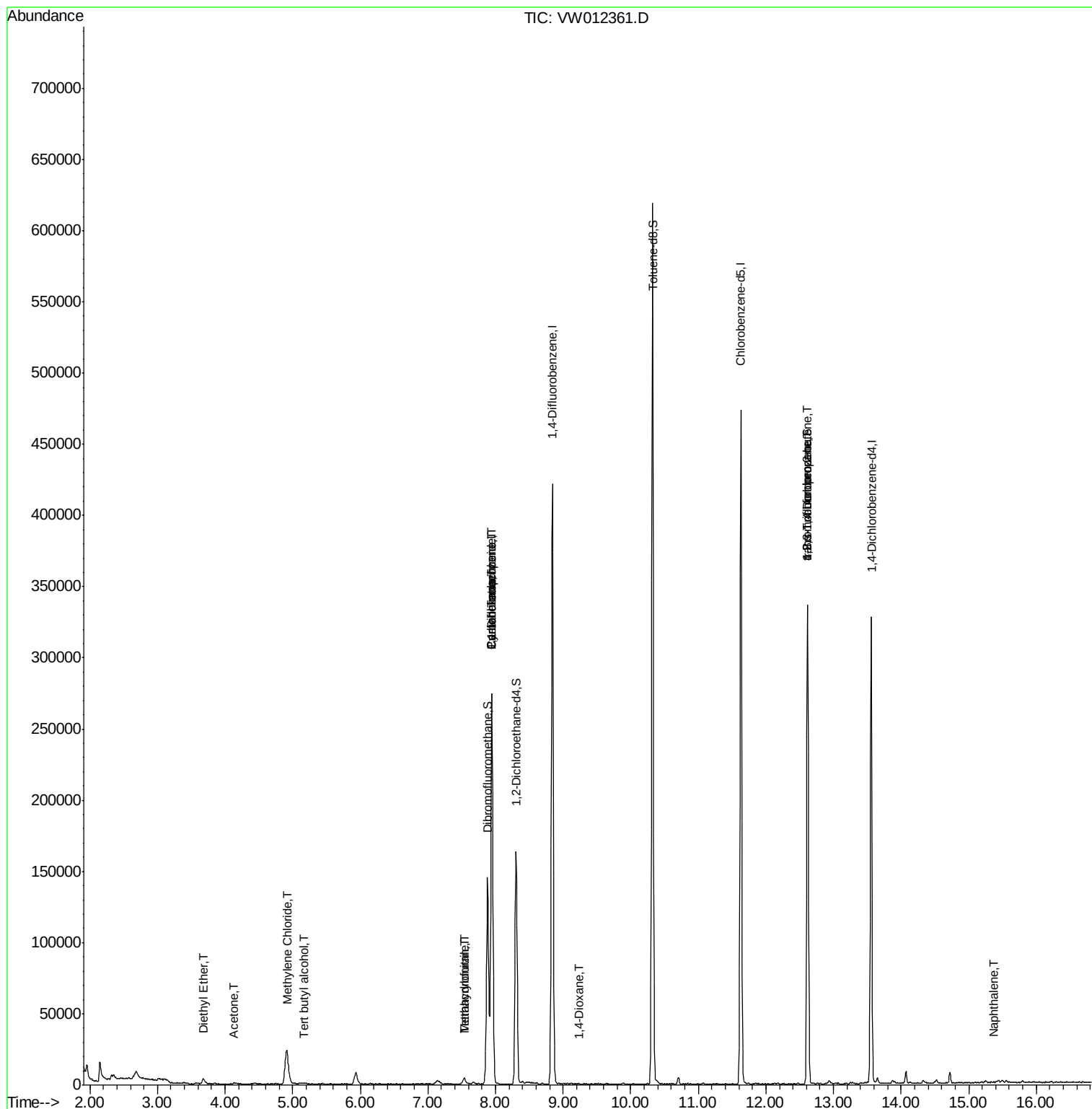
						Qvalue
8) Diethyl Ether	3.68	74	1907	1.751	ug/l	90
11) Tert butyl alcohol	5.17	59	352	2.514	ug/l #	71
16) Acetone	4.14	43	1781	2.995	ug/l	100
20) Methylene Chloride	4.92	84	18221	8.106	ug/l	89
29) Tetrahydrofuran	7.54	42	3893	8.030	ug/l	97
31) Cyclohexane	7.94	56	5100	1.217	ug/l #	12
36) 1,1-Dichloropropene	7.95	75	16944	5.035	ug/l #	51
38) Carbon Tetrachloride	7.95	117	19842	6.812	ug/l #	16
41) Methacrylonitrile	7.53	41	2667	2.461	ug/l #	52
49) 1,4-Dioxane	9.24	88	26	1.544	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	57888	72.496	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	57888	158.949	ug/l #	6
95) Naphthalene	15.37	128	192	4.378	ug/l #	69

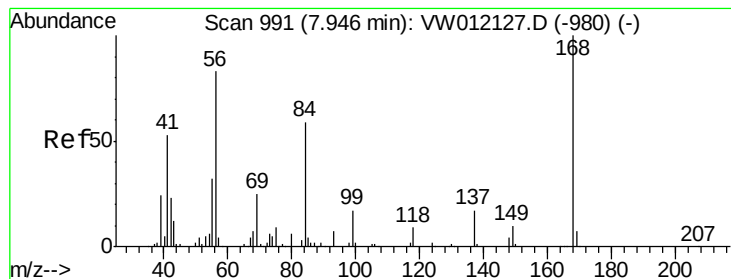
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012361.D

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Instrument :

MSVOA_W

ClientSampleId :

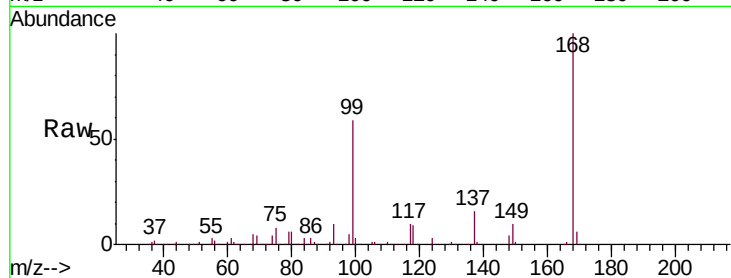
T9-12-13-G4-(1.9)

Tgt Ion:168 Resp: 195687

Ion Ratio Lower Upper

168 100

99 58.9 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

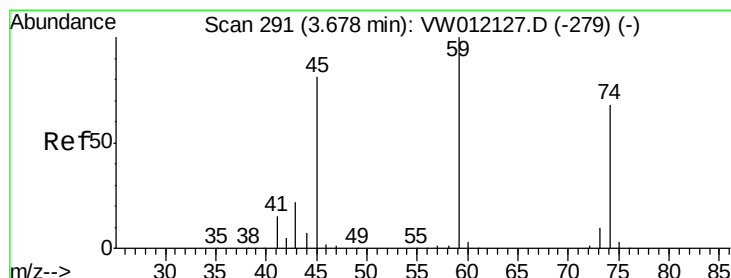
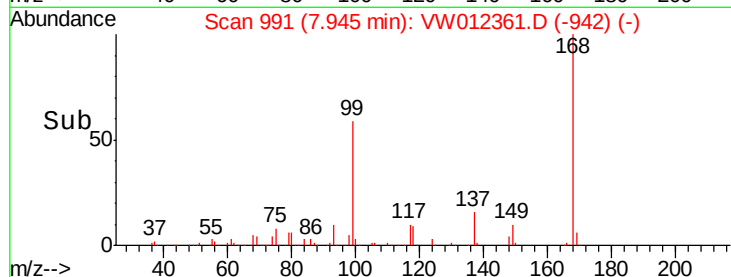
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.751 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012361.D

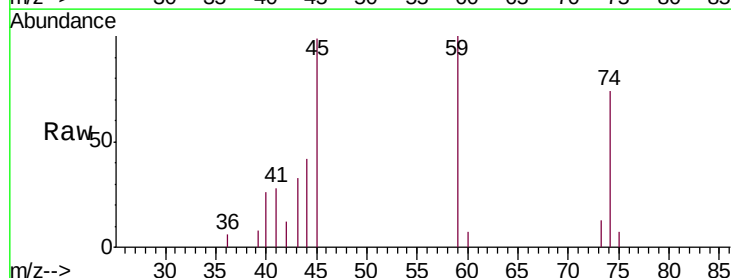
Acq: 30 Aug 2019 20:01

Tgt Ion: 74 Resp: 1907

Ion Ratio Lower Upper

74 100

45 129.8 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

1200

1000

800

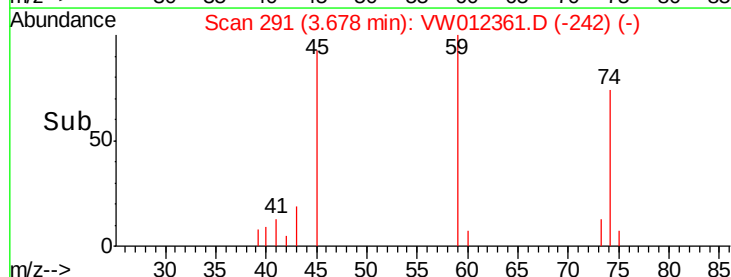
600

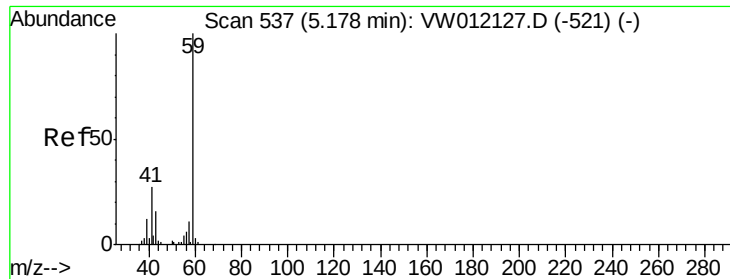
400

200

0

Time--> 3.60 3.65 3.70 3.75

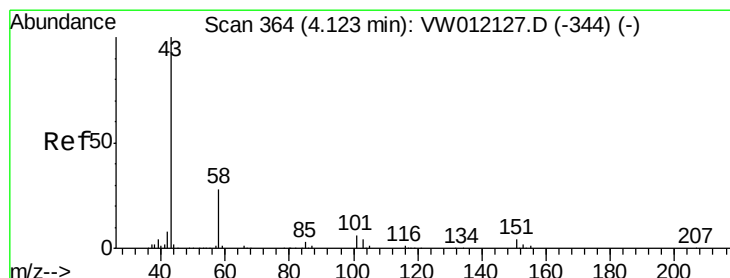
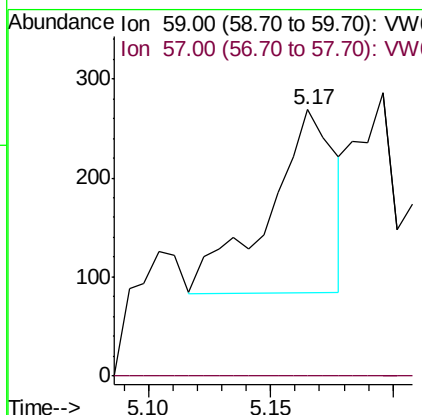
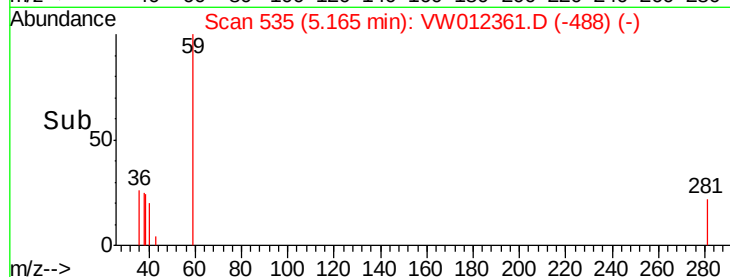
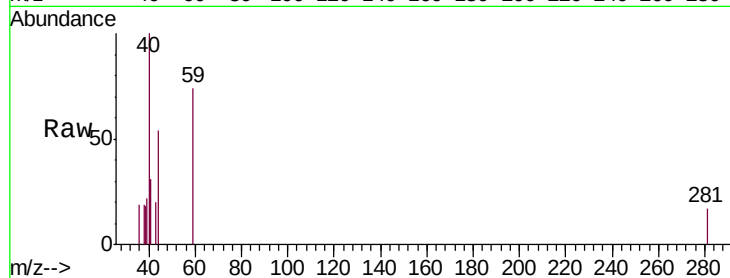




#11
Tert butyl alcohol
Concen: 2.514 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW012361.D
Acq: 30 Aug 2019 20:01

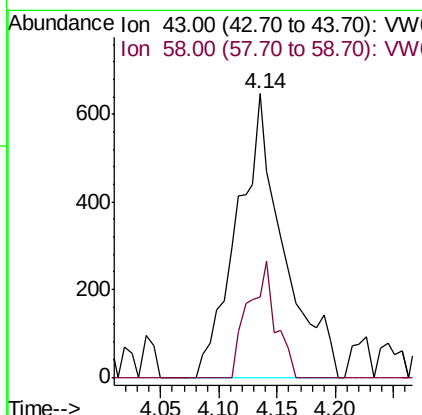
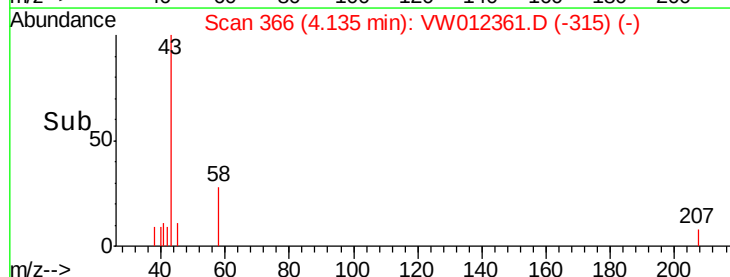
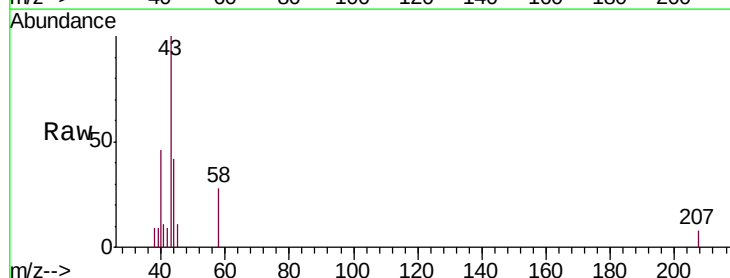
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-G4-(1.9)

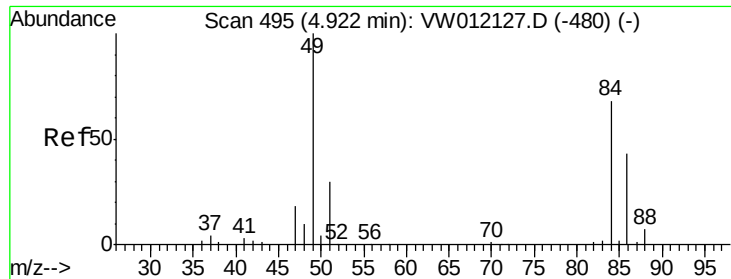
Tgt Ion: 59 Resp: 352
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 2.995 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW012361.D
Acq: 30 Aug 2019 20:01

Tgt Ion: 43 Resp: 1781
Ion Ratio Lower Upper
43 100
58 28.1 22.4 33.6

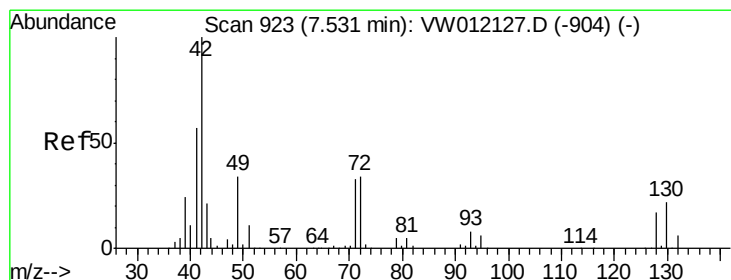
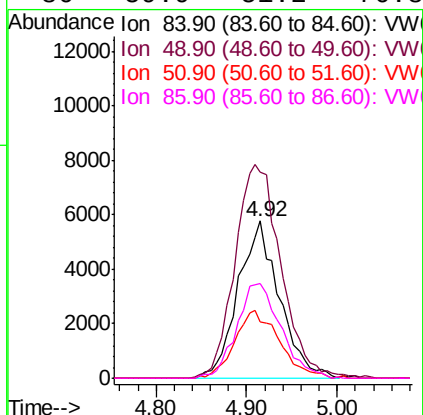
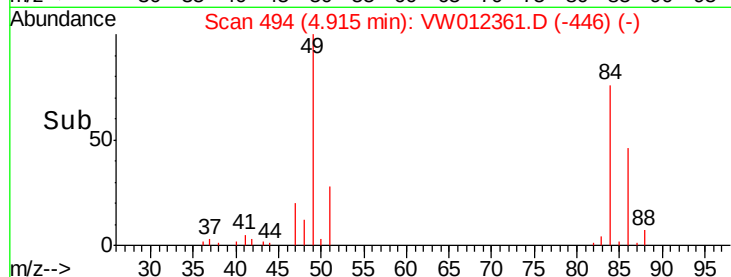
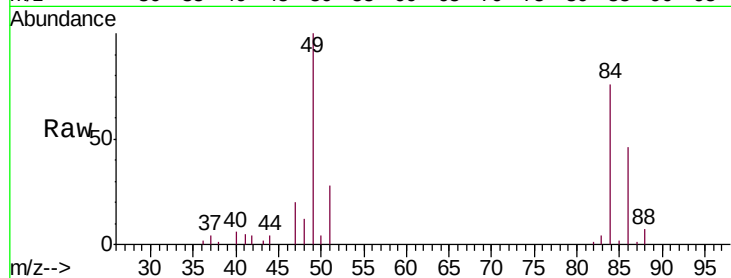




#20
Methylene Chloride
Concen: 8.106 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012361.D
Acq: 30 Aug 2019 20:01

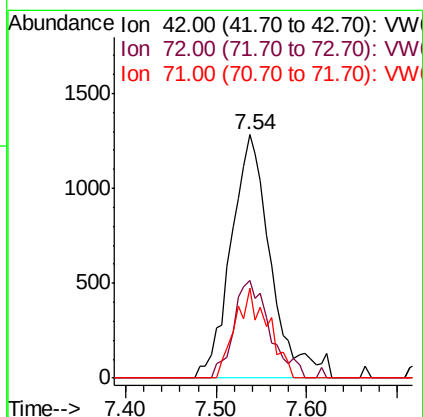
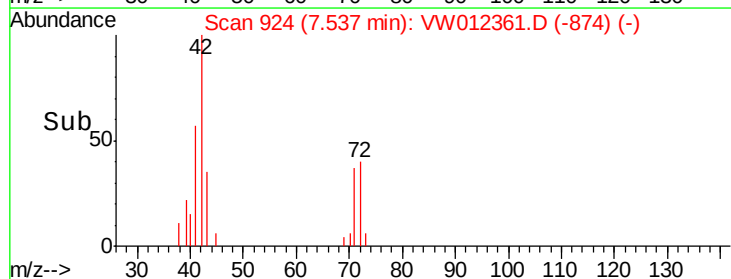
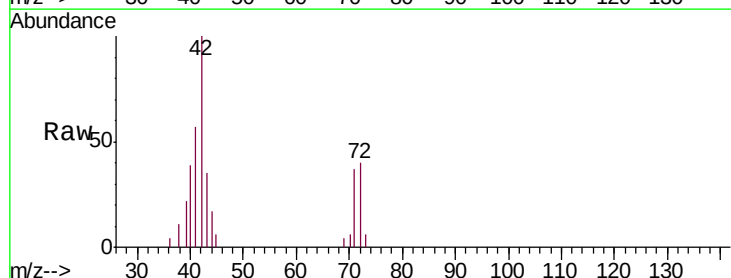
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-G4-(1.9)

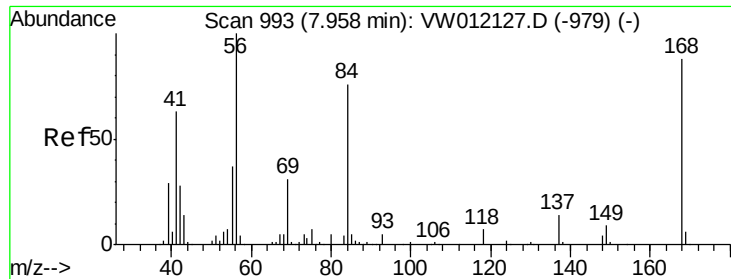
Tgt Ion:	84	Resp:	18221
Ion	Ratio	Lower	Upper
84	100		
49	131.1	117.8	176.8
51	36.1	35.6	53.4
86	59.9	51.2	76.8



#29
Tetrahydrofuran
Concen: 8.030 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012361.D
Acq: 30 Aug 2019 20:01

Tgt Ion:	42	Resp:	3893
Ion	Ratio	Lower	Upper
42	100		
72	36.2	27.3	40.9
71	30.9	25.5	38.3

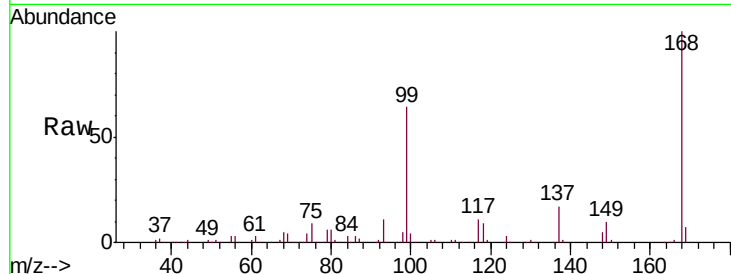




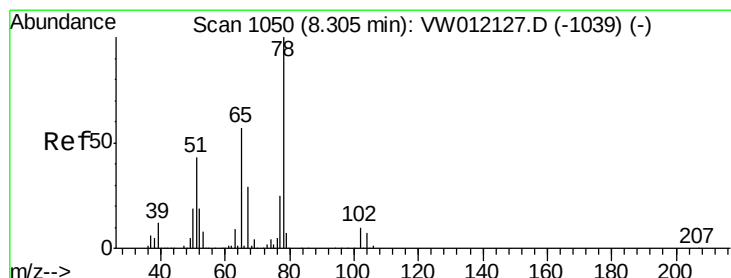
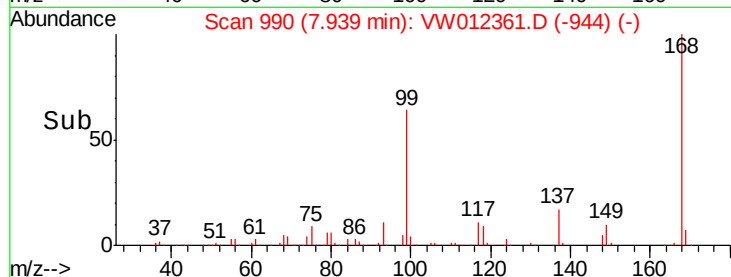
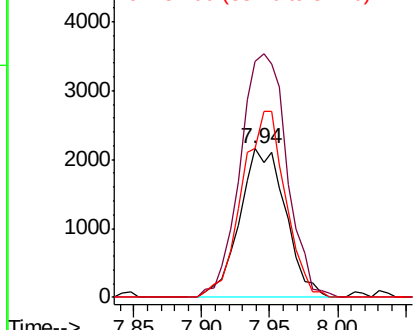
#31
Cyclohexane
Concen: 1.217 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW012361.D
Acq: 30 Aug 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-G4-(1.9)

Tgt Ion: 56 Resp: 5100
Ion Ratio Lower Upper
56 100
69 158.9 24.9 37.3#
84 100.2 60.6 90.8#

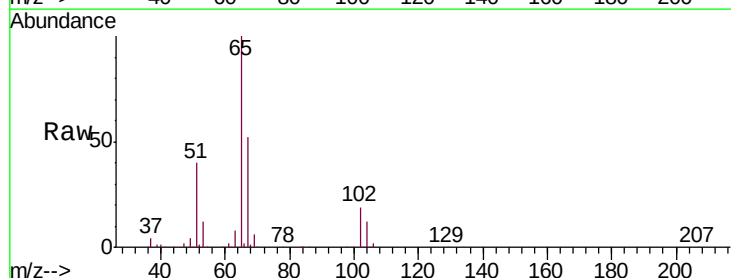


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

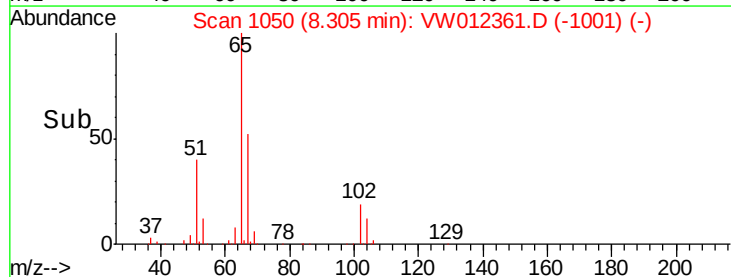
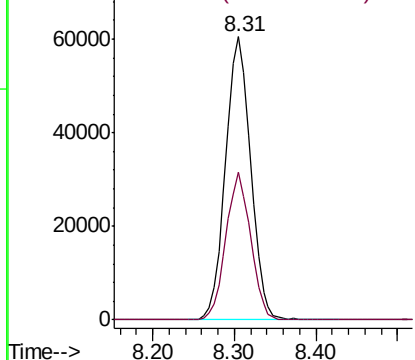


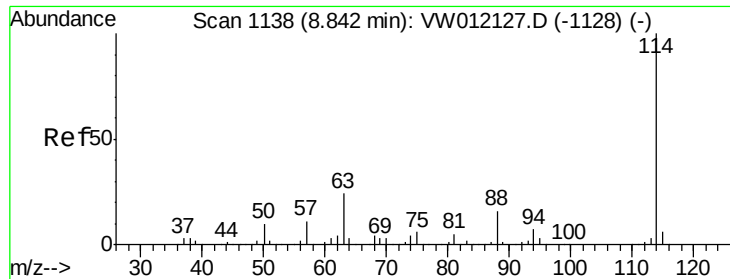
#33
1,2-Dichloroethane-d4
Concen: 55.294 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012361.D
Acq: 30 Aug 2019 20:01

Tgt Ion: 65 Resp: 128628
Ion Ratio Lower Upper
65 100
67 51.1 0.0 102.6



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

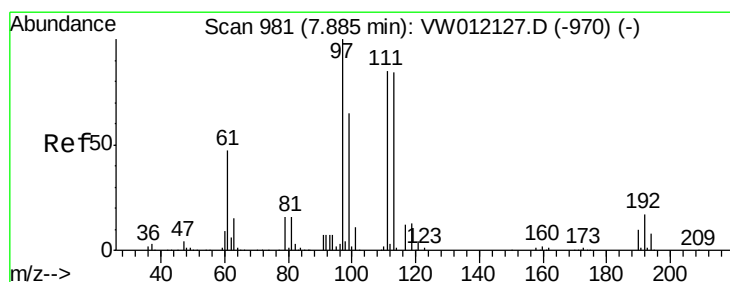
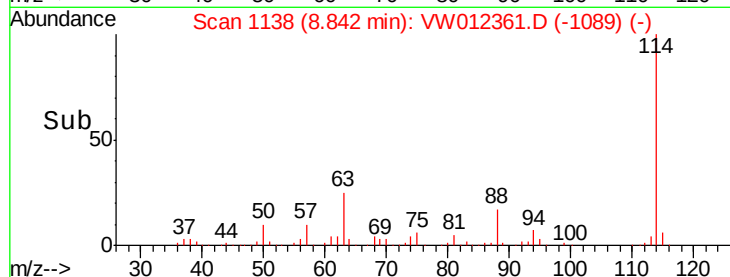
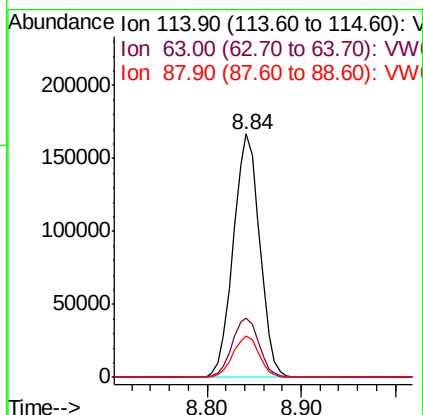
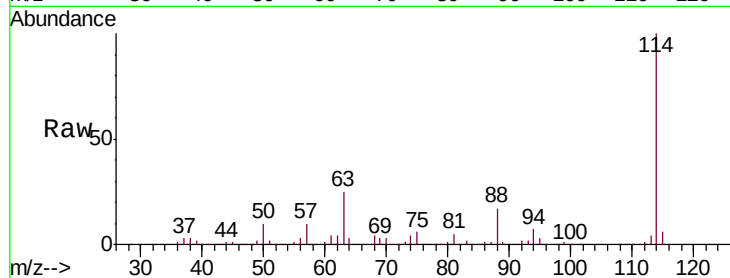




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012361.D
 Acq: 30 Aug 2019 20:01

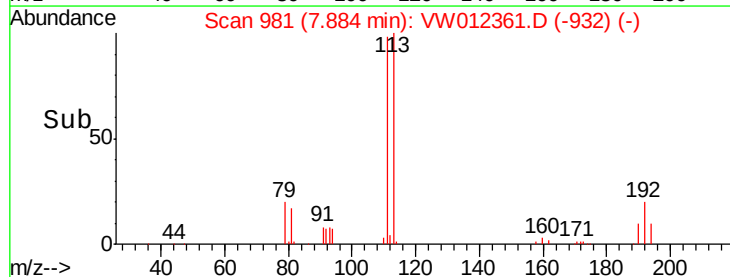
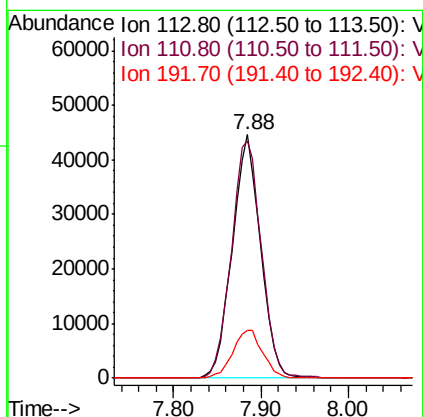
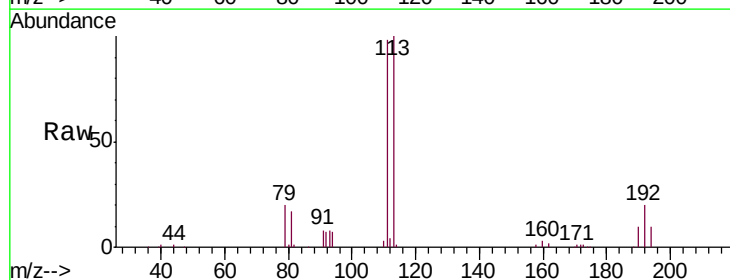
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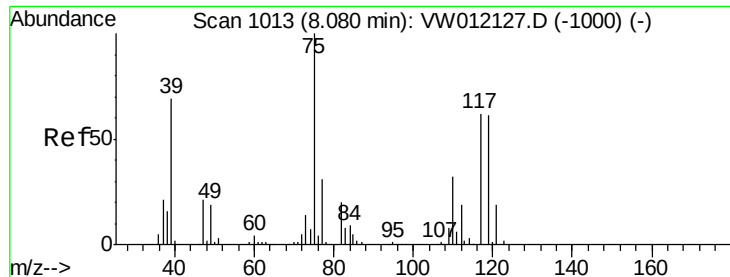
Tgt Ion:114 Resp: 325644
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 48.6
 88 16.7 0.0 32.2



#35
 Dibromofluoromethane
 Concen: 51.621 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012361.D
 Acq: 30 Aug 2019 20:01

Tgt Ion:113 Resp: 100339
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.7 124.1
 192 20.7 16.2 24.2

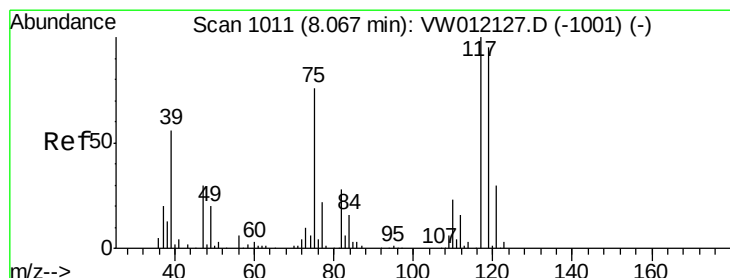
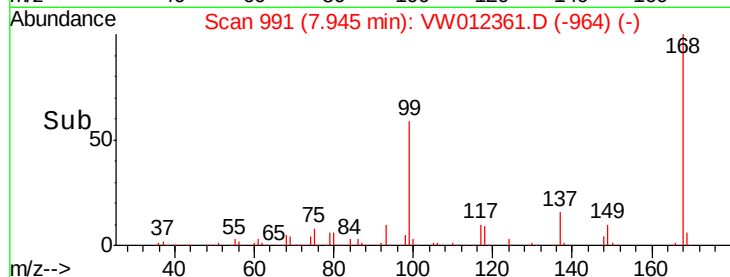
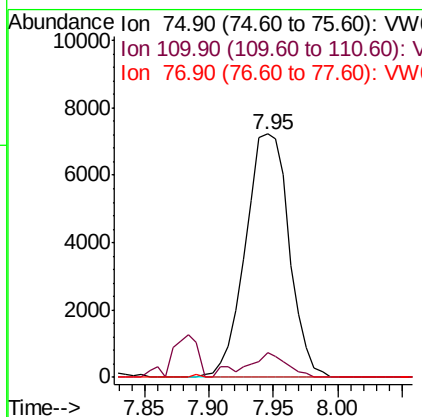
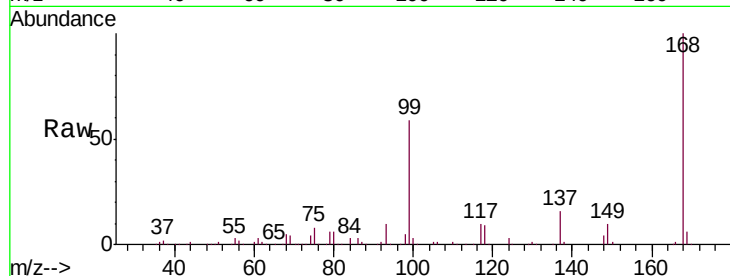




#36
 1,1-Dichloropropene
 Concen: 5.035 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012361.D
 Acq: 30 Aug 2019 20:01

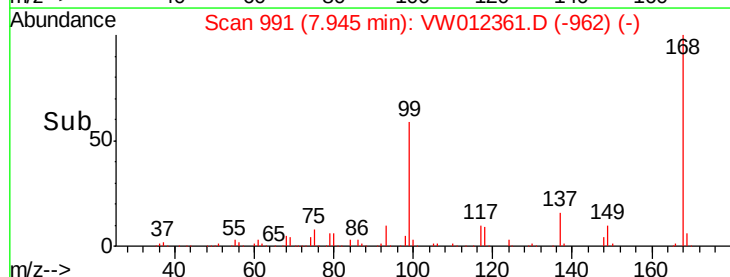
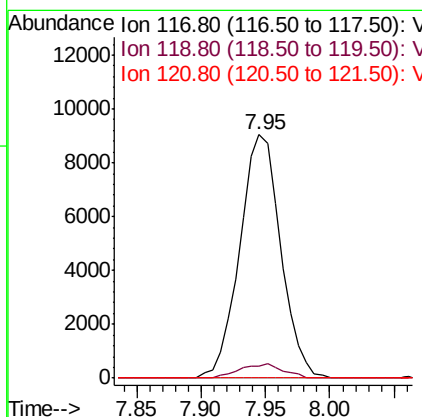
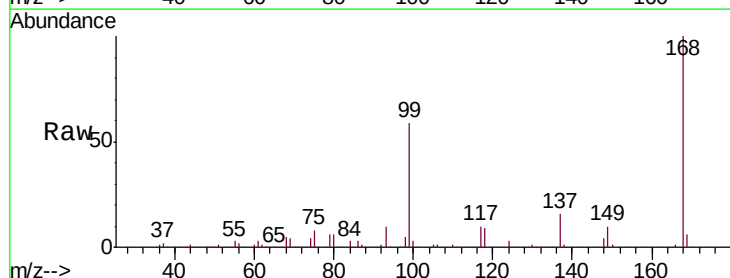
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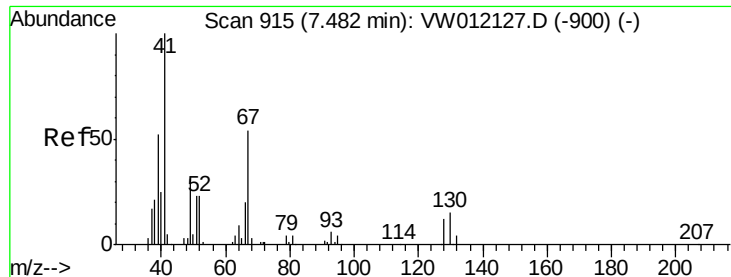
Tgt Ion: 75 Resp: 16944
 Ion Ratio Lower Upper
 75 100
 110 7.8 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.812 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012361.D
 Acq: 30 Aug 2019 20:01

Tgt Ion: 117 Resp: 19842
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.2 114.2#
 121 0.0 23.8 35.8#

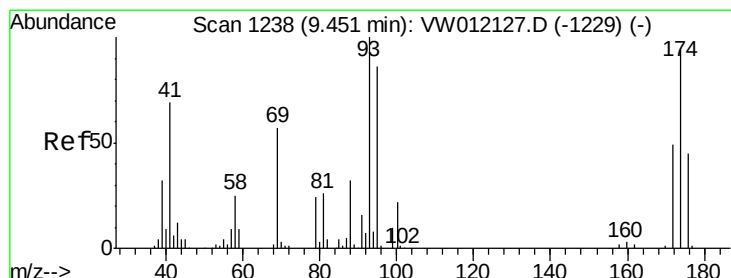
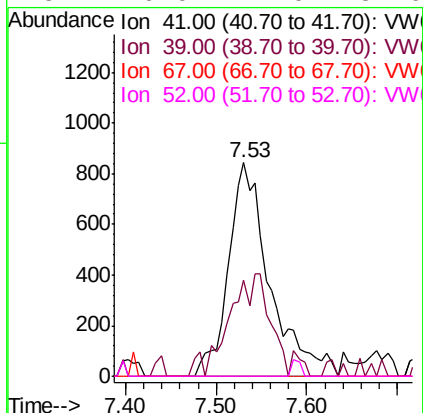
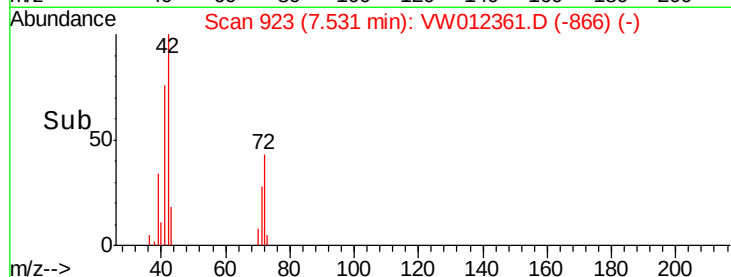
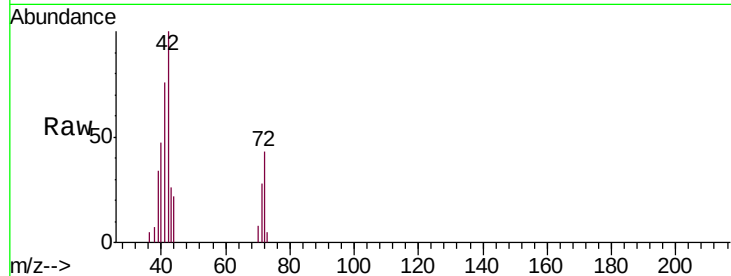




#41
Methacrylonitrile
Concen: 2.461 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012361.D
Acq: 30 Aug 2019 20:01

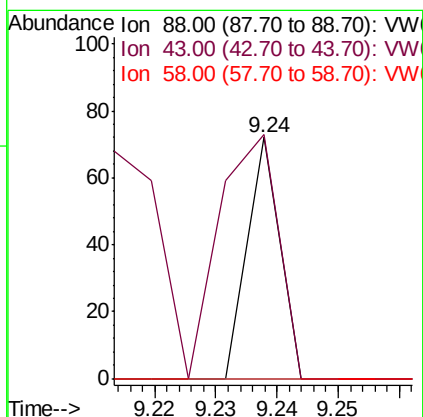
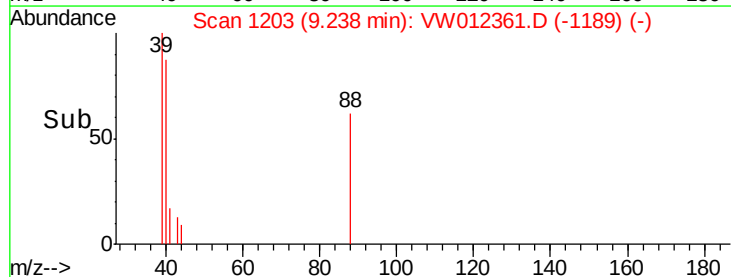
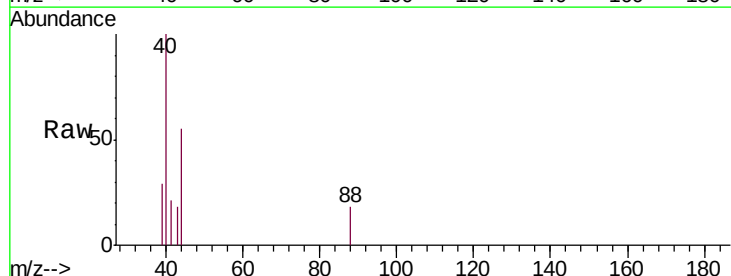
Instrument :
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T9-12-13-G4-(1.9)

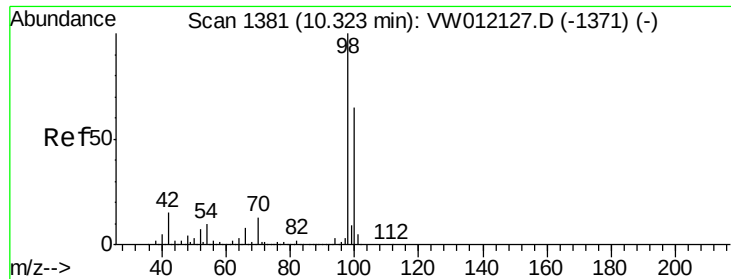
Tgt Ion:	41	Resp:	2667
Ion	Ratio	Lower	Upper
41	100		
39	45.5	45.8	68.8#
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#



#49
1,4-Dioxane
Concen: 1.544 ug/l
RT: 9.24 min Scan# 1203
Delta R.T. -0.21 min
Lab File: VW012361.D
Acq: 30 Aug 2019 20:01

Tgt Ion:	88	Resp:	26
Ion	Ratio	Lower	Upper
88	100		
43	184.6	32.9	49.3#
58	0.0	71.0	106.4#

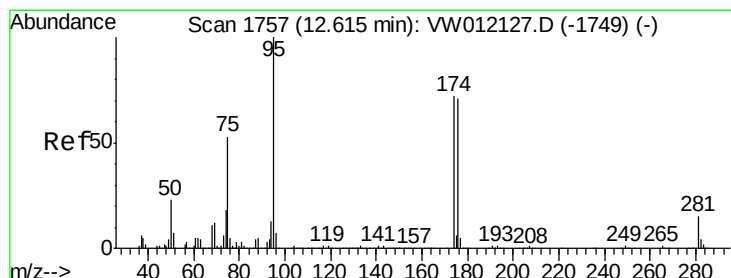
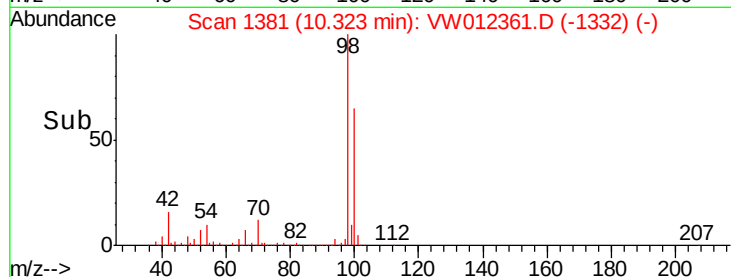
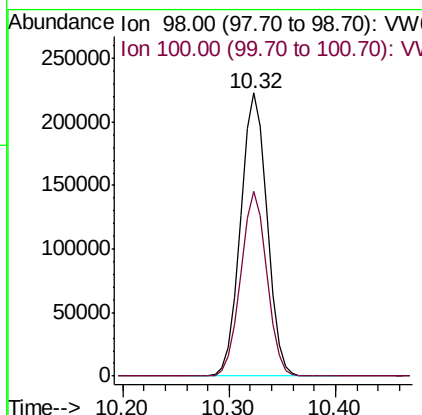
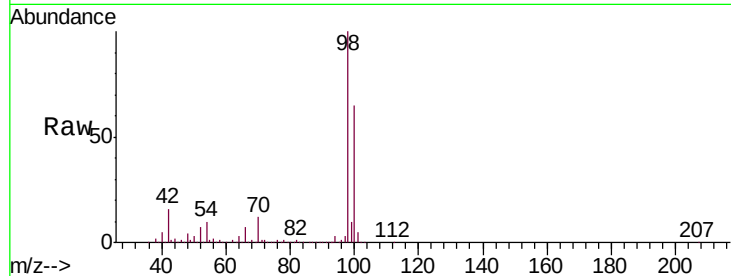




#50
Toluene-d8
Concen: 49.400 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012361.D
Acq: 30 Aug 2019 20:01

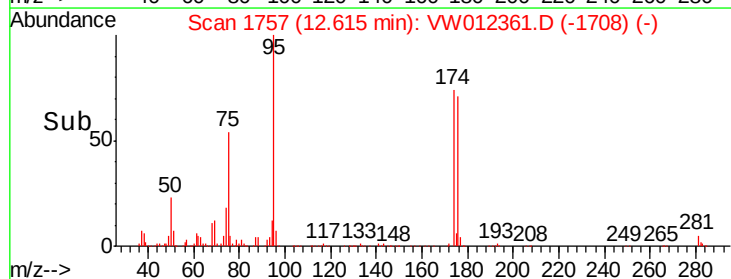
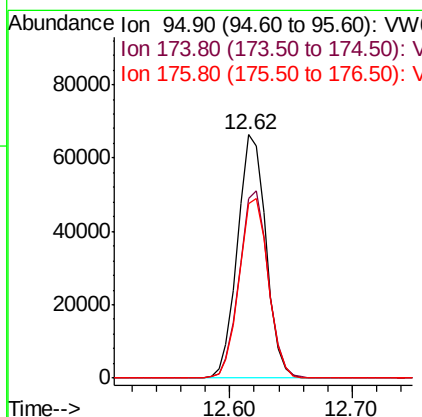
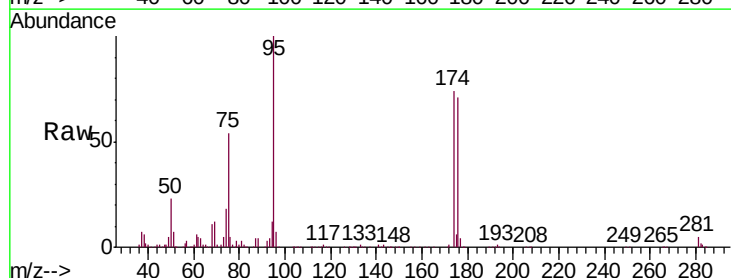
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-G4-(1.9)

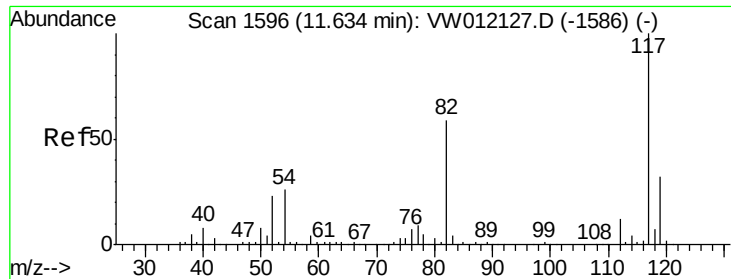
Tgt Ion: 98 Resp: 389346
Ion Ratio Lower Upper
98 100
100 64.4 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 38.538 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012361.D
Acq: 30 Aug 2019 20:01

Tgt Ion: 95 Resp: 107066
Ion Ratio Lower Upper
95 100
174 77.7 0.0 150.8
176 75.7 0.0 148.6

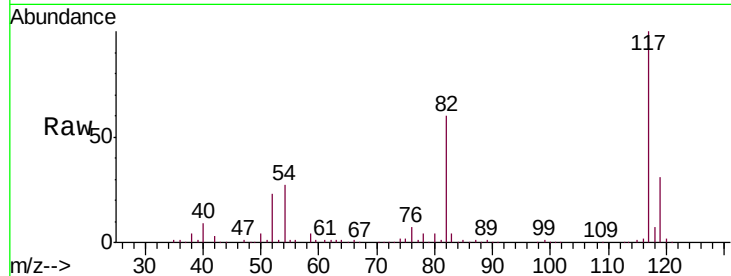




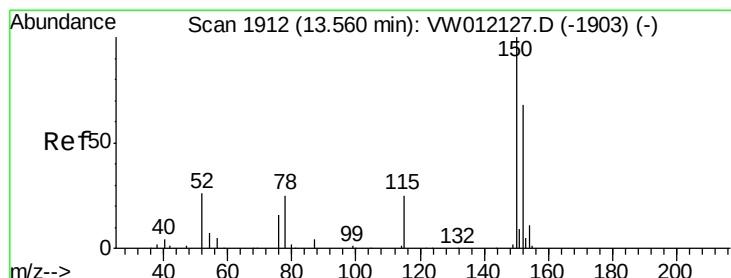
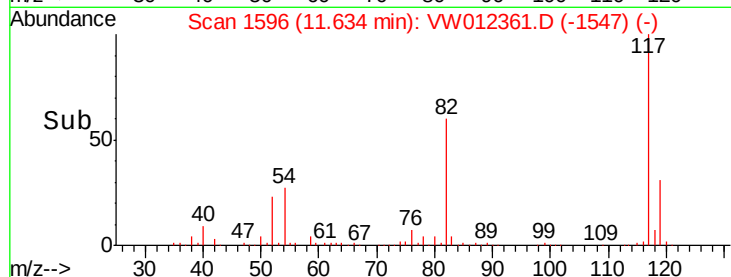
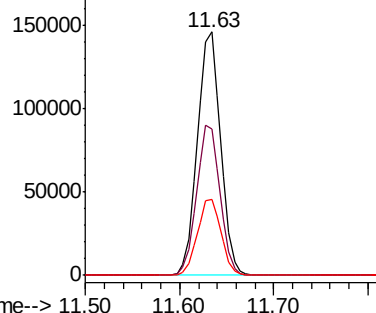
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012361.D
Acq: 30 Aug 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-G4-(1.9)

Tgt Ion:117 Resp: 250232
Ion Ratio Lower Upper
117 100
82 60.0 47.4 71.2
119 31.3 25.4 38.2

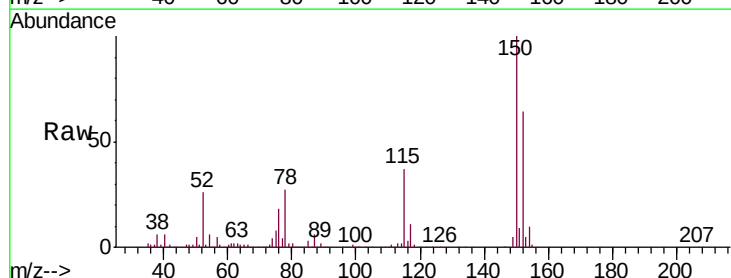


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

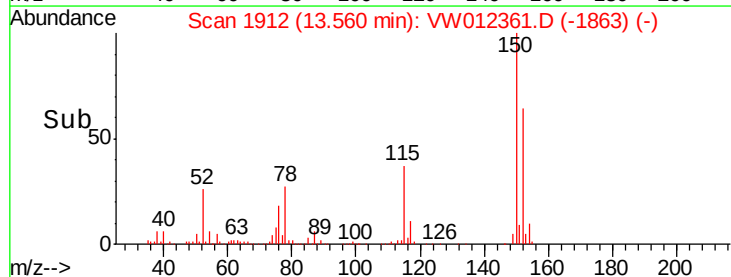
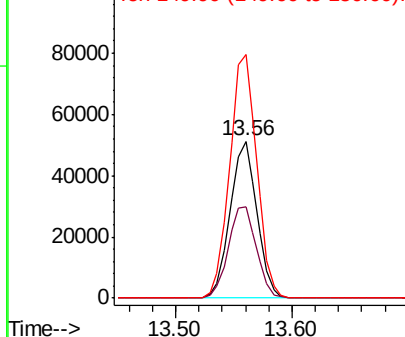


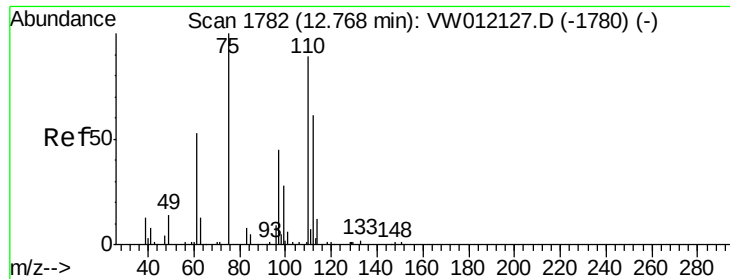
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012361.D
Acq: 30 Aug 2019 20:01

Tgt Ion:152 Resp: 81988
Ion Ratio Lower Upper
152 100
115 61.0 30.1 90.3
150 156.9 0.0 345.8



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

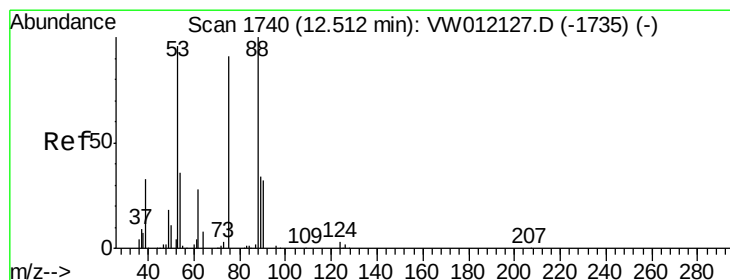
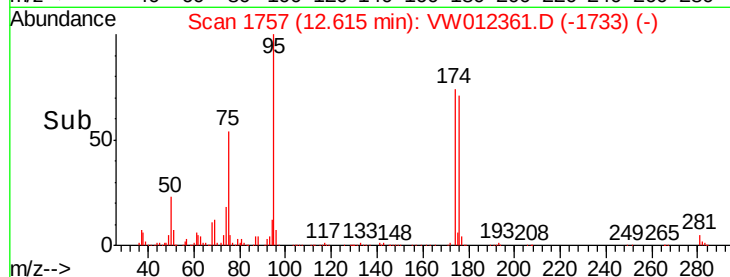
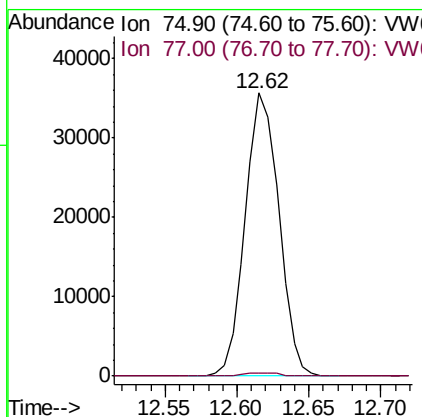
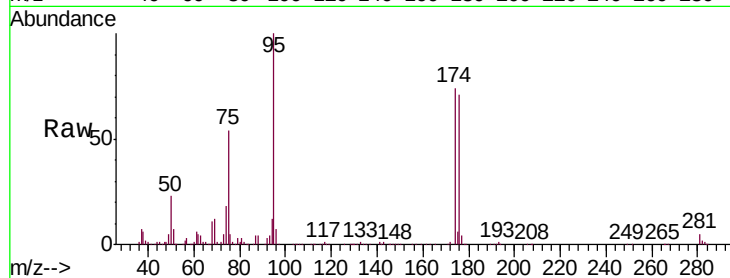




#76
 1,2,3-Trichloropropane
 Concen: 72.496 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012361.D
 Acq: 30 Aug 2019 20:01

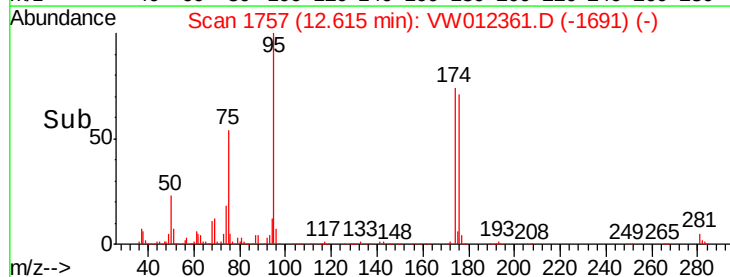
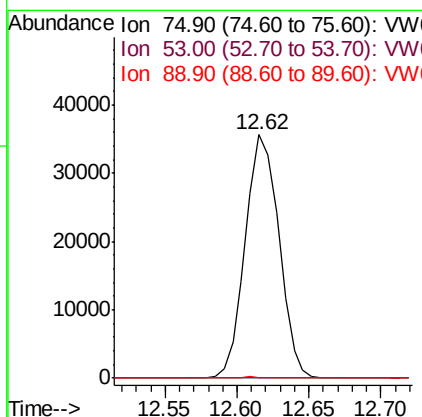
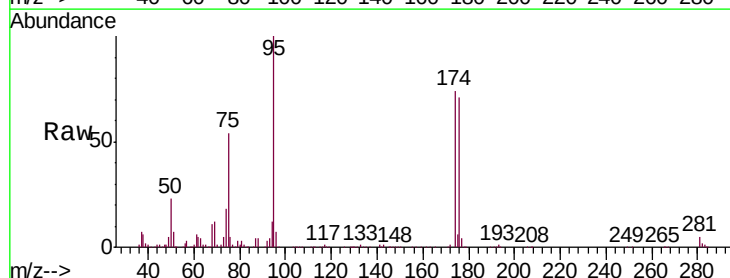
Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-G4-(1.9)

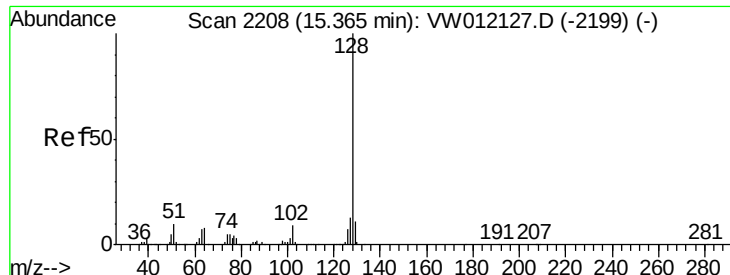
Tgt Ion: 75 Resp: 57888
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 158.949 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012361.D
 Acq: 30 Aug 2019 20:01

Tgt Ion: 75 Resp: 57888
 Ion Ratio Lower Upper
 75 100
 53 0.2 89.4 134.0#
 89 0.2 34.5 51.7#





#95

Naphthalene

Concen: 4.378 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012361.D

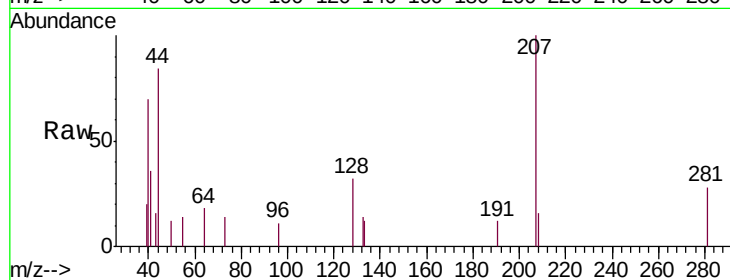
Acq: 30 Aug 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-G4-(1.9)



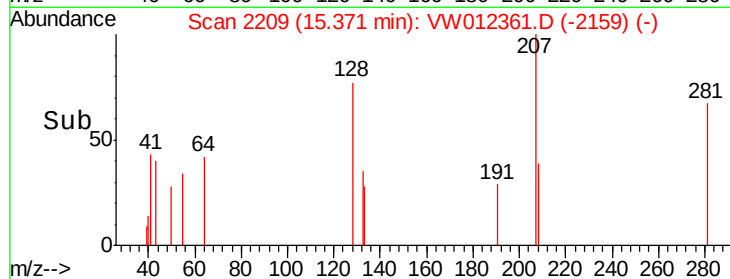
Tgt Ion:128 Resp: 192

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#



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

15.37

15.35

15.40

Time-->