

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
 Data File : VW012309.D
 Acq On : 29 Aug 2019 17:46
 Operator : SY/VA
 Sample : K4576-01
 Misc : 7.09G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RT-1868-4221

Quant Time: Aug 30 06:50:25 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	238517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	396627	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	334566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	137668	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	150422	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
35) Dibromofluoromethane	7.88	113	119010	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
50) Toluene-d8	10.32	98	484158	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
62) 4-Bromofluorobenzene	12.62	95	156954	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	

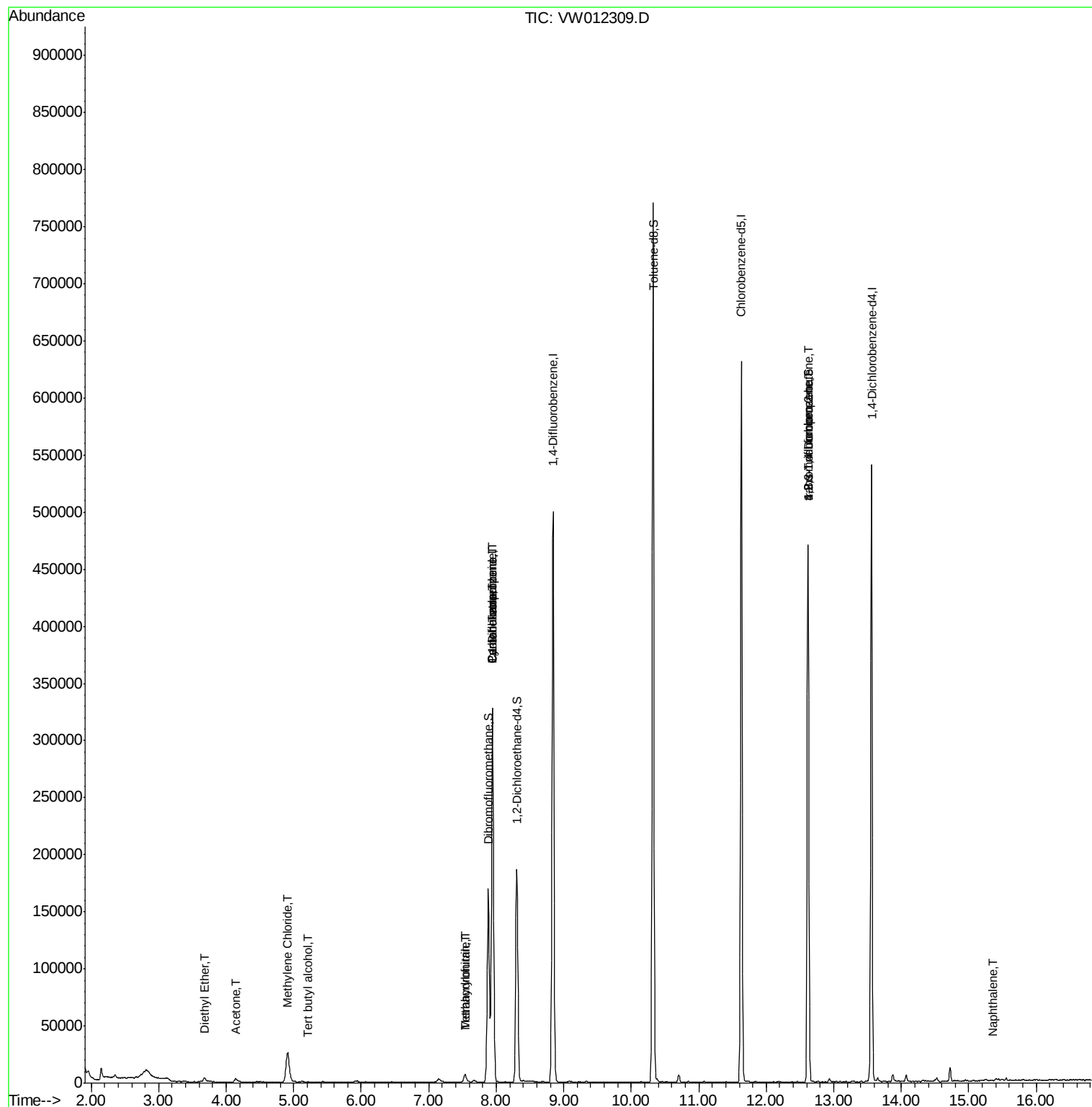
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1549	1.167	ug/l #	1
11) Tert butyl alcohol	5.21	59	285	1.670	ug/l #	71
16) Acetone	4.14	43	6132	8.460	ug/l	91
20) Methylene Chloride	4.92	84	19470	7.106	ug/l	98
29) Tetrahydrofuran	7.54	42	6481	10.968	ug/l	96
31) Cyclohexane	7.94	56	6144	1.203	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20594	5.025	ug/l #	51
38) Carbon Tetrachloride	7.95	117	23503	6.625	ug/l #	17
41) Methacrylonitrile	7.54	41	3633	2.752	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	83279	62.112	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	83279	136.183	ug/l #	6
95) Naphthalene	15.36	128	87	4.336	ug/l #	69

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012309.D

Acq: 29 Aug 2019 17:46

Instrument :

MSVOA_W

ClientSampleId :

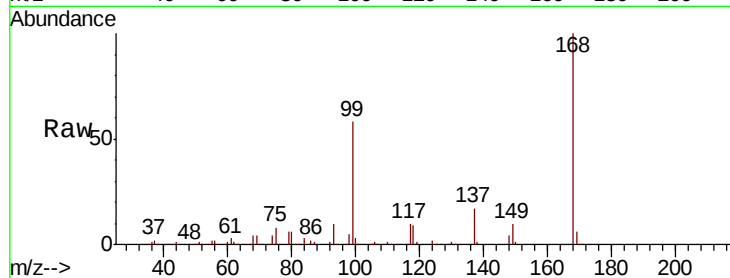
RT-1868-4221

Tgt Ion:168 Resp: 238517

Ion Ratio Lower Upper

168 100

99 58.5 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

120000

100000

80000

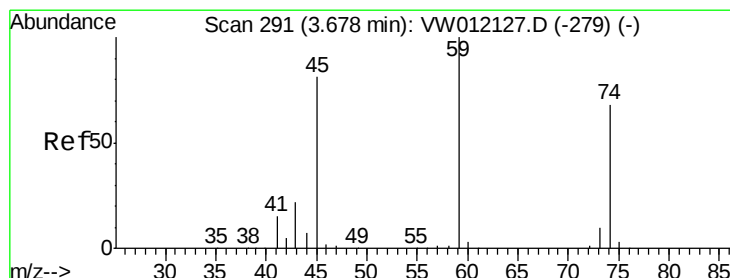
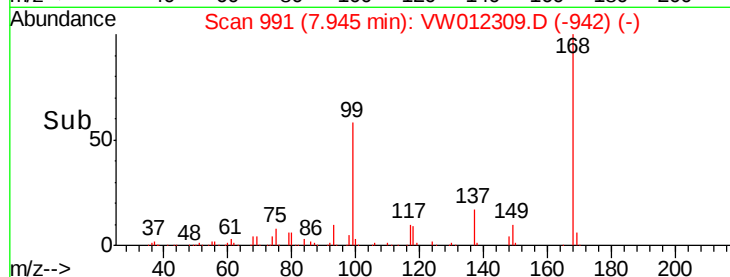
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.167 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012309.D

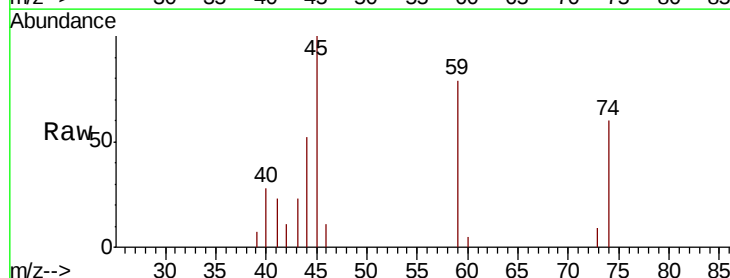
Acq: 29 Aug 2019 17:46

Tgt Ion: 74 Resp: 1549

Ion Ratio Lower Upper

74 100

45 258.9 59.2 177.6#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

1200

1000

800

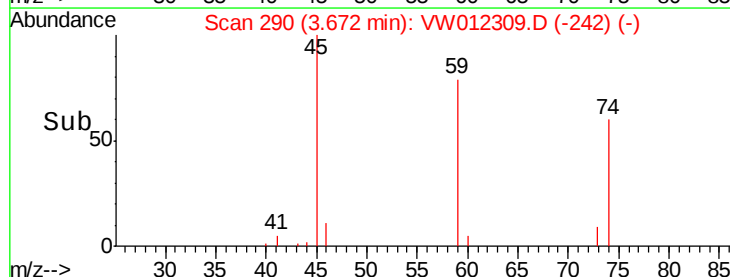
600

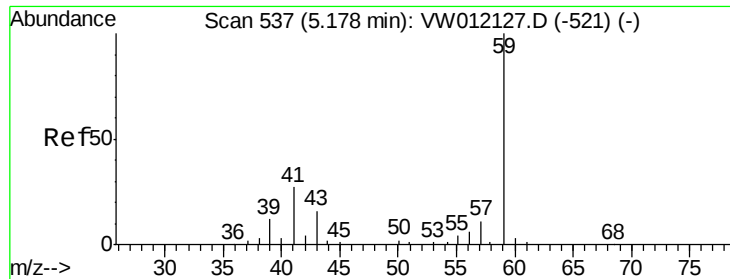
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200

0

Time-->

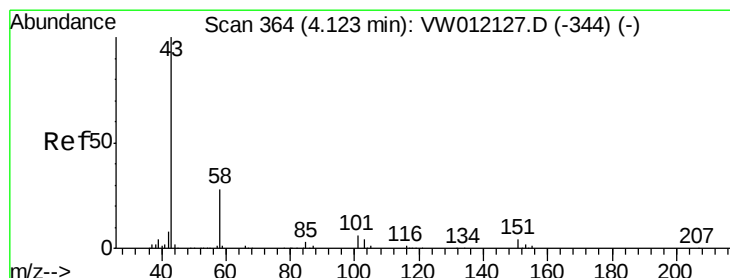
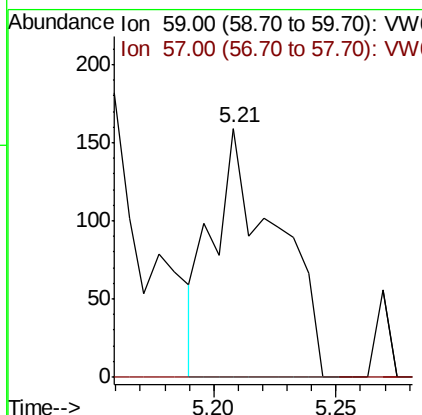
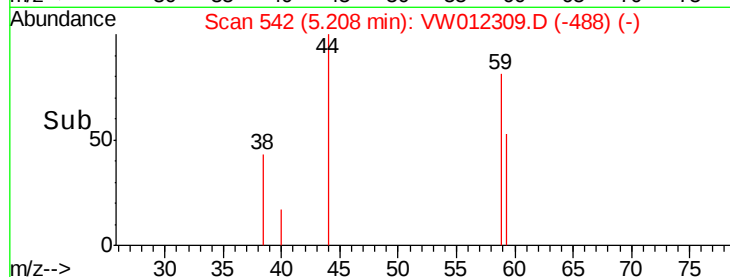
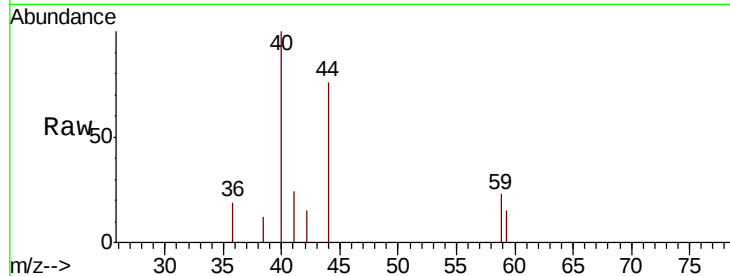




#11
Tert butyl alcohol
Concen: 1.670 ug/l
RT: 5.21 min Scan# 542
Delta R.T. 0.03 min
Lab File: VW012309.D
Acq: 29 Aug 2019 17:46

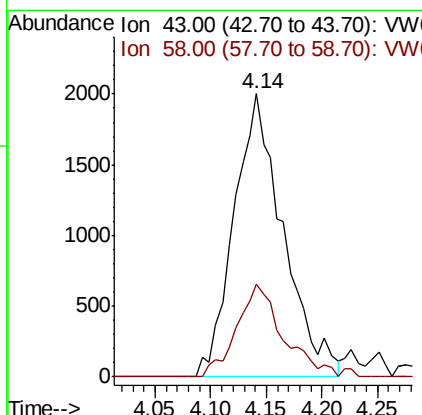
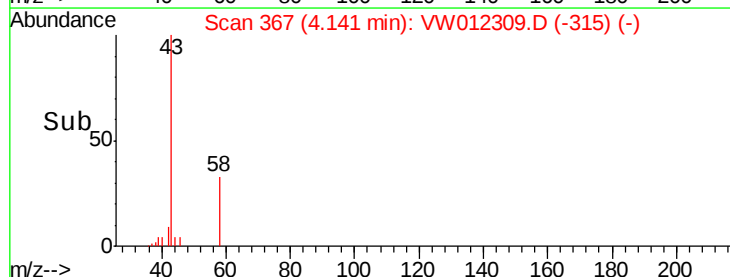
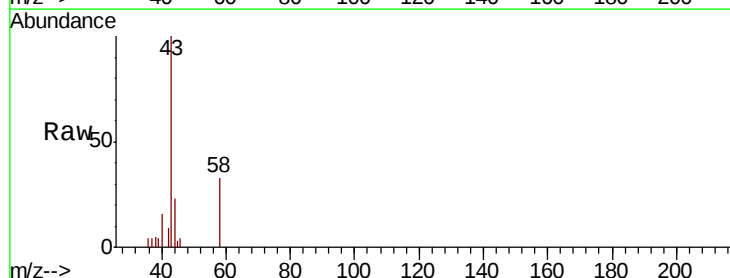
Instrument :
MSVOA_W
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RT-1868-4221

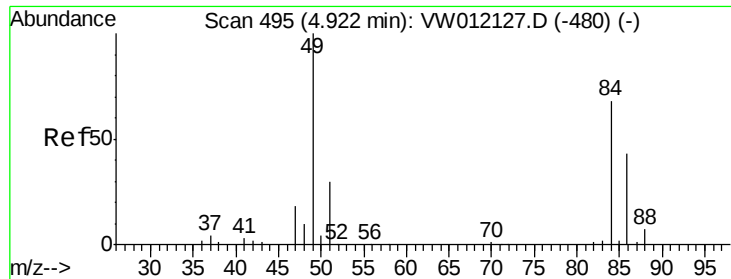
Tgt Ion: 59 Resp: 285
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 8.460 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012309.D
Acq: 29 Aug 2019 17:46

Tgt Ion: 43 Resp: 6132
Ion Ratio Lower Upper
43 100
58 32.7 22.4 33.6

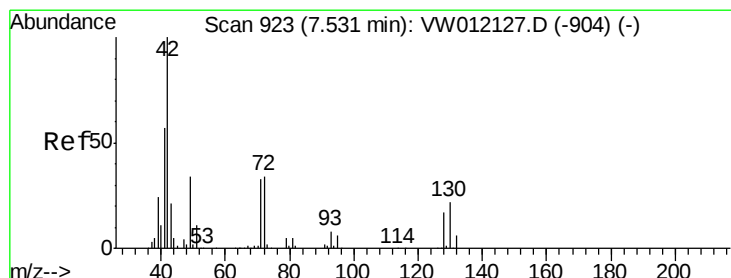
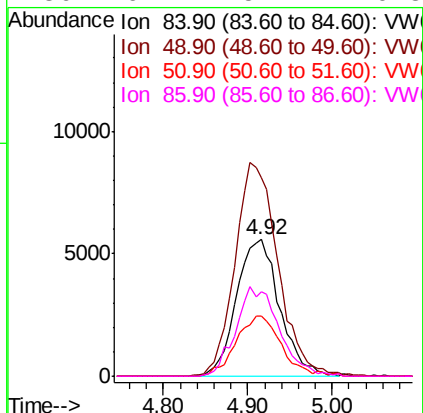
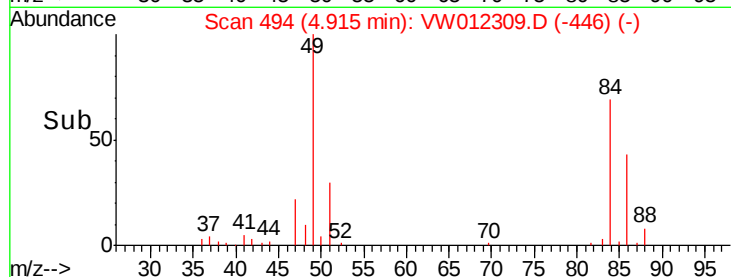
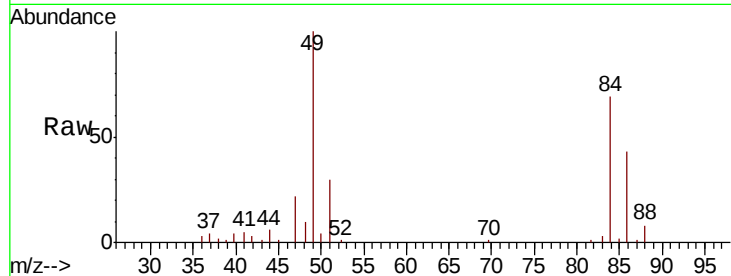




#20
Methylene Chloride
Concen: 7.106 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012309.D
Acq: 29 Aug 2019 17:46

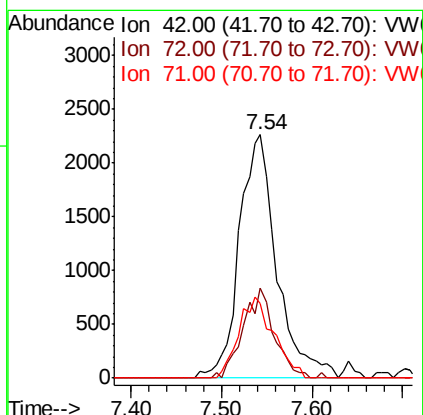
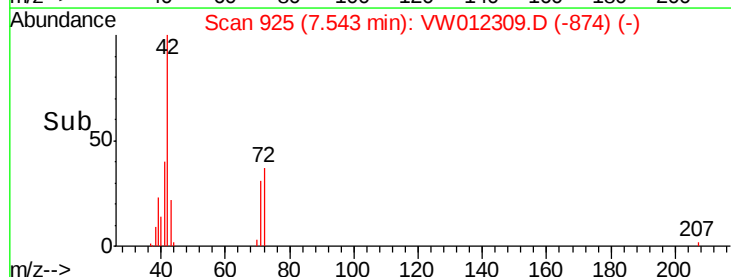
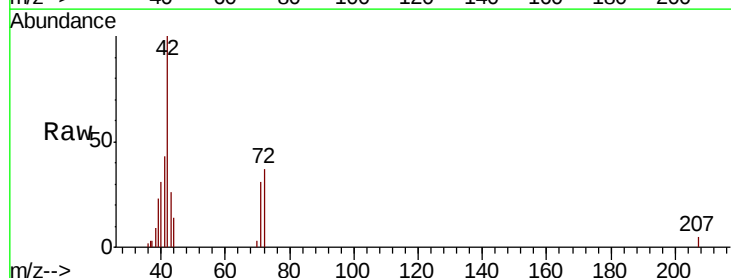
Instrument :
MSVOA_W
ClientSampleId :
RT-1868-4221

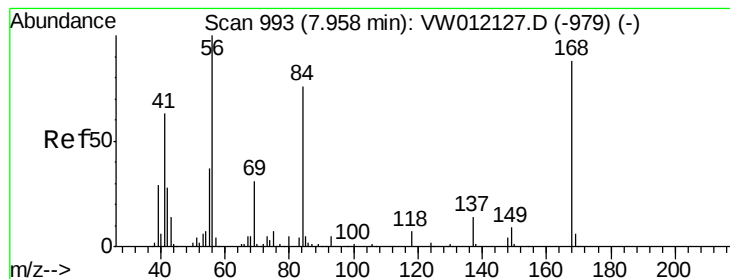
Tgt Ion: 84 Resp: 19470
Ion Ratio Lower Upper
84 100
49 145.6 117.8 176.8
51 43.7 35.6 53.4
86 62.2 51.2 76.8



#29
Tetrahydrofuran
Concen: 10.968 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012309.D
Acq: 29 Aug 2019 17:46

Tgt Ion: 42 Resp: 6481
Ion Ratio Lower Upper
42 100
72 30.5 27.3 40.9
71 31.1 25.5 38.3





#31

Cyclohexane

Concen: 1.203 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012309.D

Acq: 29 Aug 2019 17:46

Instrument :

MSVOA_W

ClientSampleId :

RT-1868-4221

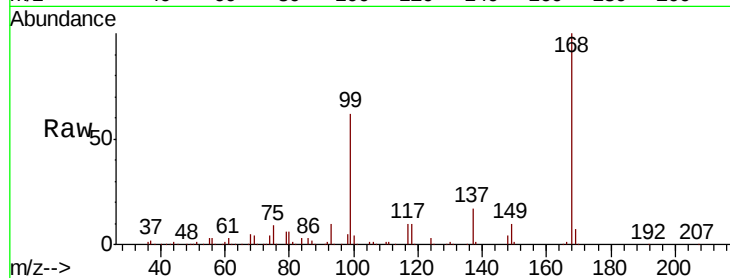
Tgt Ion: 56 Resp: 6144

Ion Ratio Lower Upper

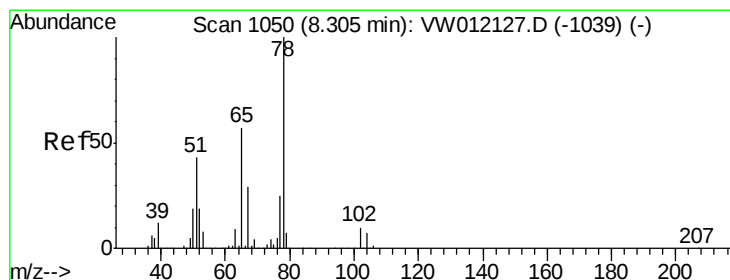
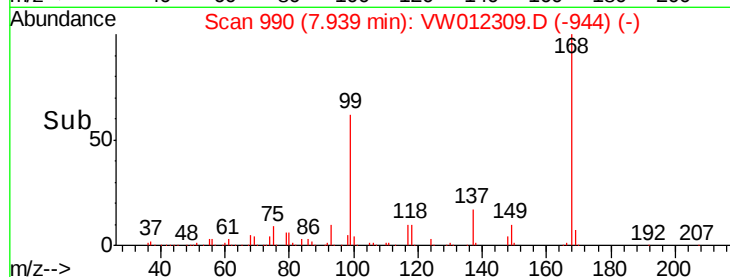
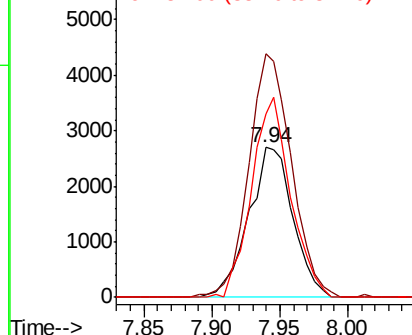
56 100

69 162.7 24.9 37.3#

84 122.8 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: 53.052 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012309.D

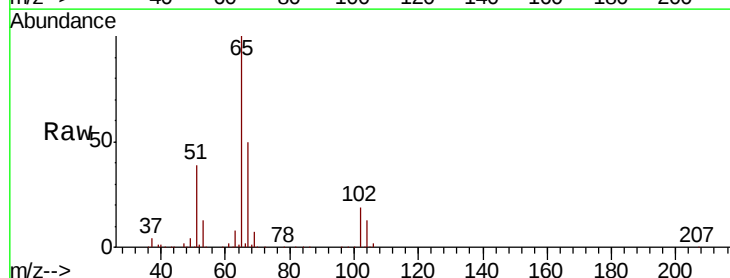
Acq: 29 Aug 2019 17:46

Tgt Ion: 65 Resp: 150422

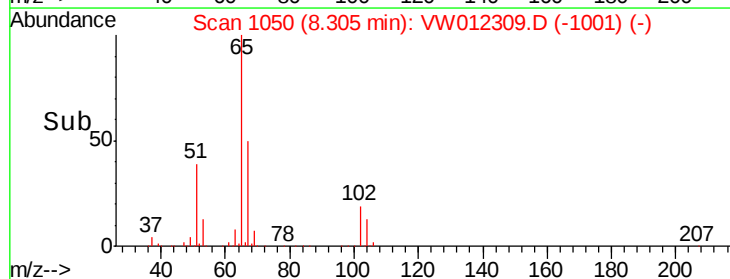
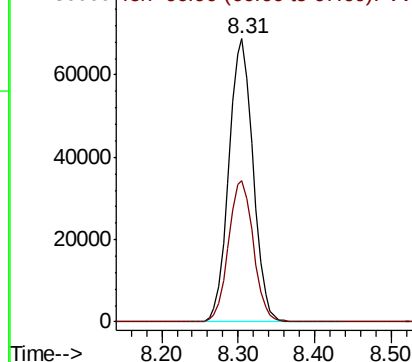
Ion Ratio Lower Upper

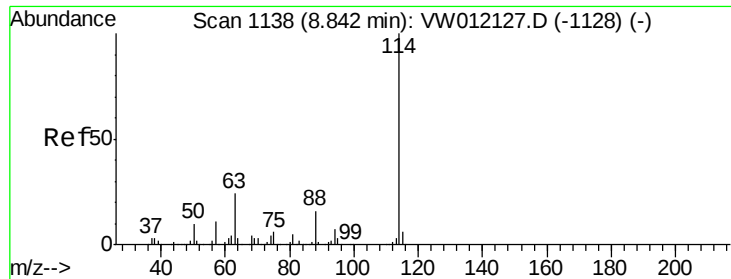
65 100

67 51.3 0.0 102.6



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

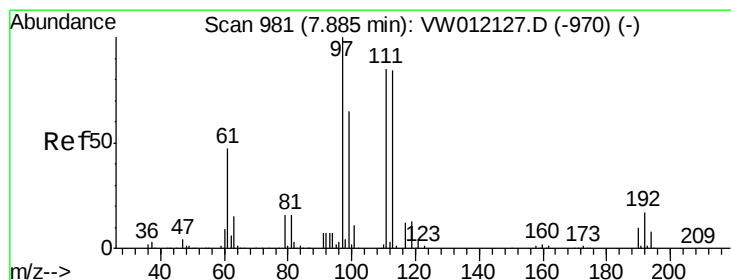
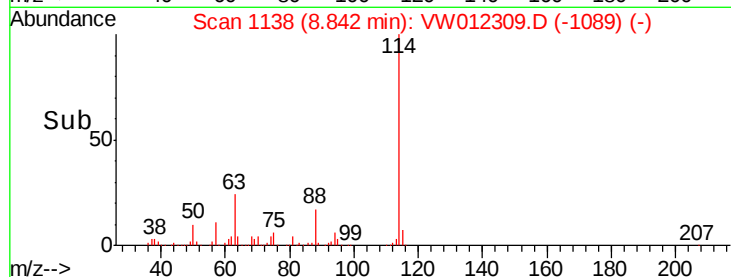
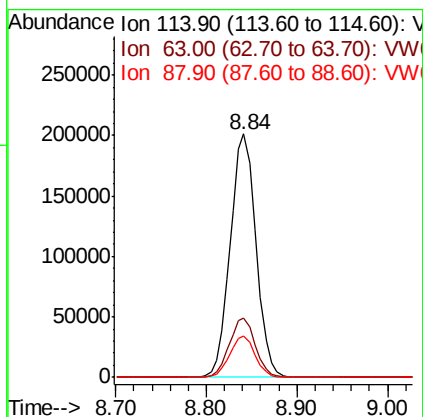
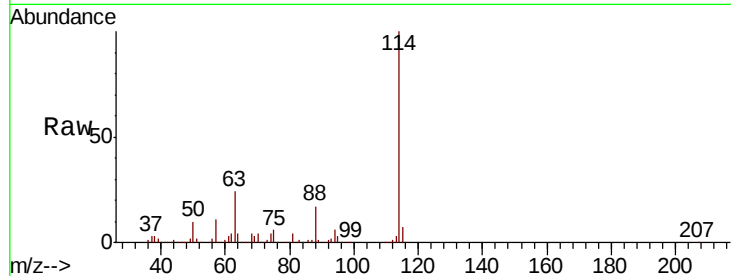




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012309.D
 Acq: 29 Aug 2019 17:46

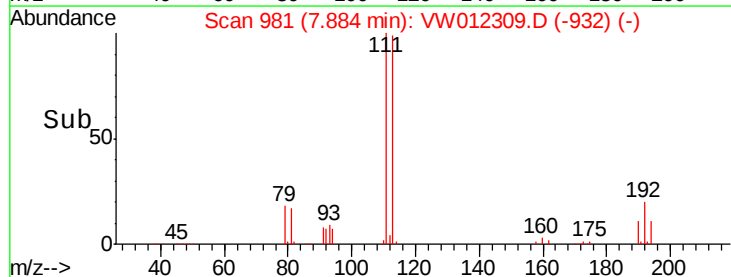
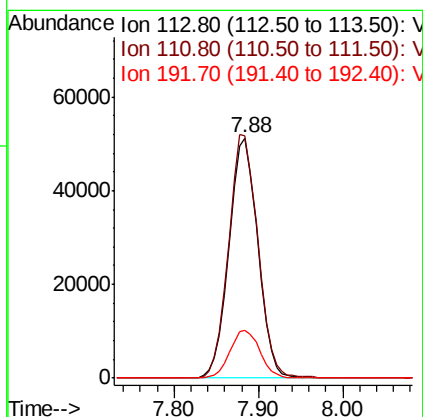
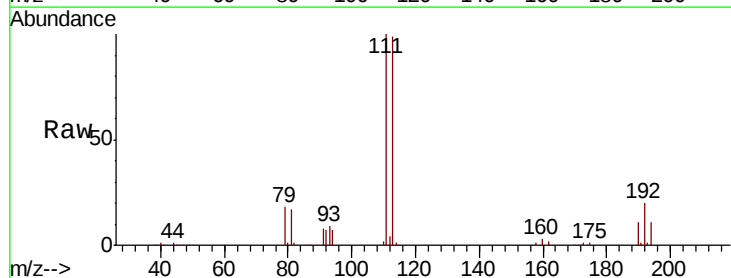
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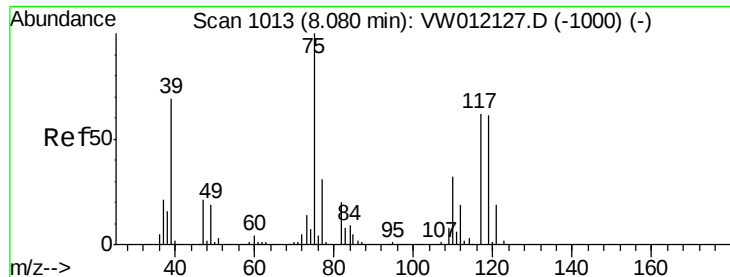
Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	48.6
88	16.9	0.0	32.2



#35
 Dibromofluoromethane
 Concen: 50.269 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012309.D
 Acq: 29 Aug 2019 17:46

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.7	124.1
192	20.4	16.2	24.2

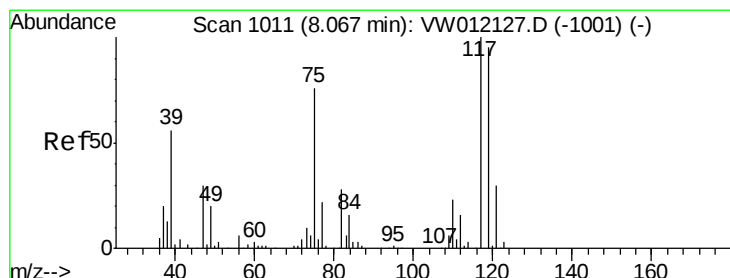
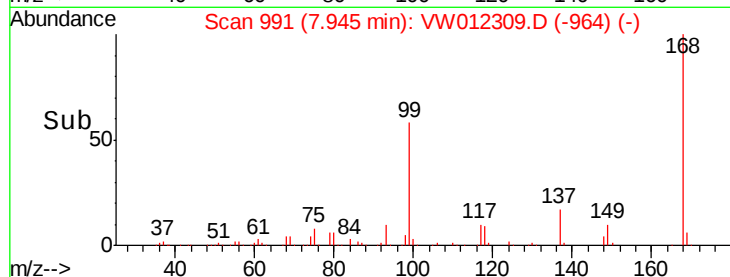
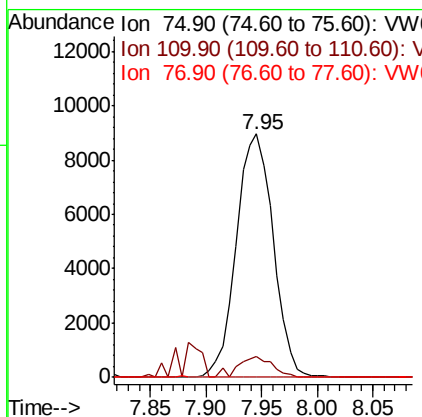
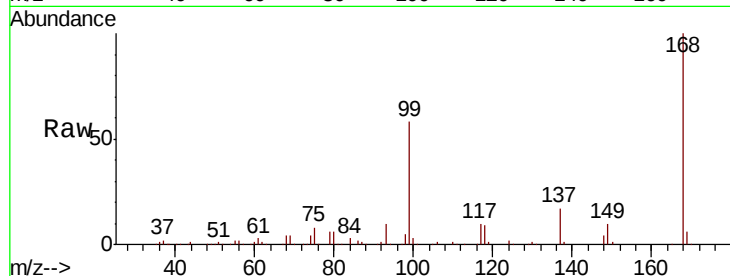




#36
 1,1-Dichloropropene
 Concen: 5.025 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012309.D
 Acq: 29 Aug 2019 17:46

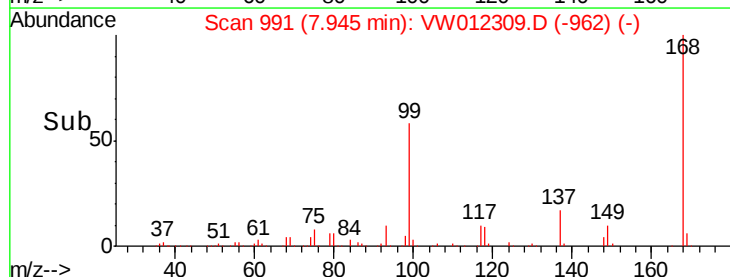
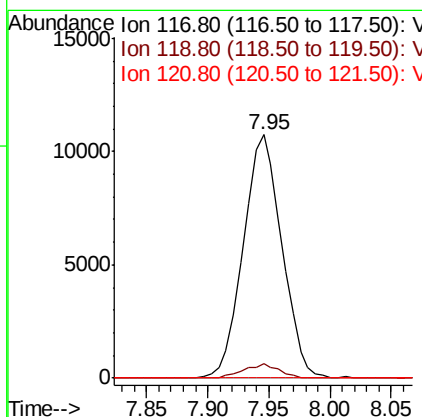
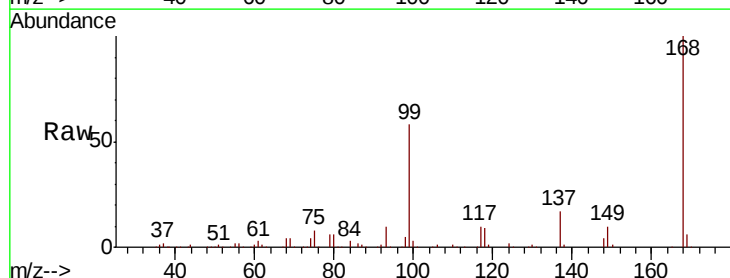
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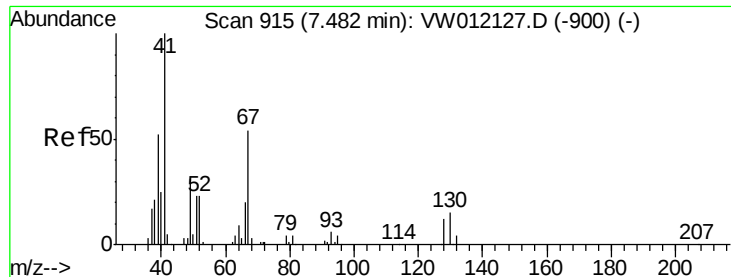
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	15.6	46.8#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.625 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012309.D
 Acq: 29 Aug 2019 17:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.2	114.2#
121	0.0	23.8	35.8#





#41

Methacrylonitrile

Concen: 2.752 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012309.D

Acq: 29 Aug 2019 17:46

Instrument :

MSVOA_W

ClientSampleId :

RT-1868-4221

Tgt Ion: 41 Resp: 3633

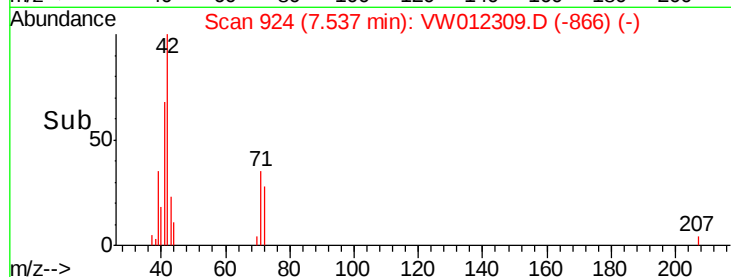
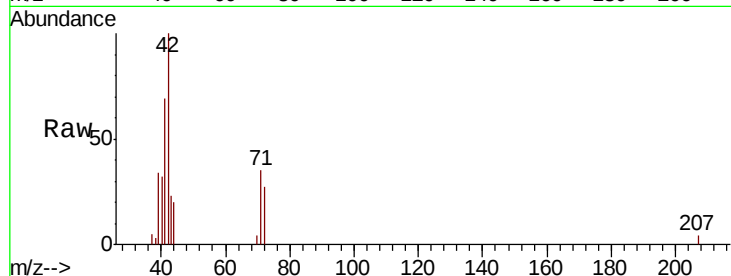
Ion Ratio Lower Upper

41 100

39 52.4 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

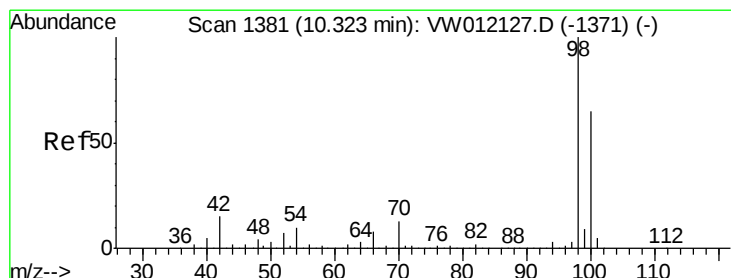
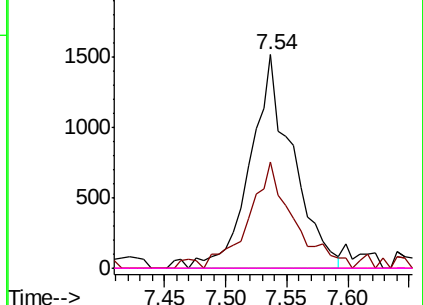


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 50.436 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012309.D

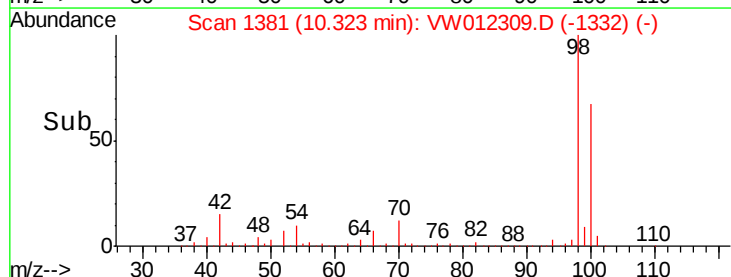
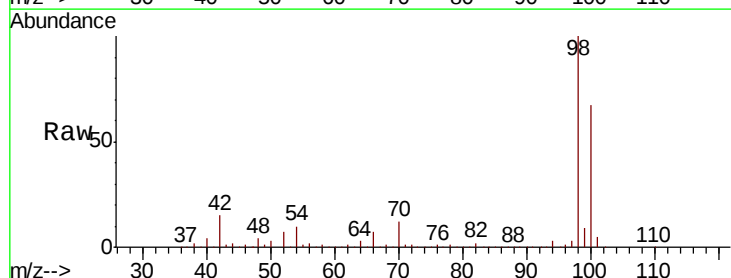
Acq: 29 Aug 2019 17:46

Tgt Ion: 98 Resp: 484158

Ion Ratio Lower Upper

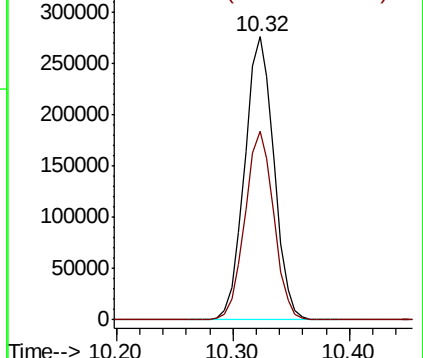
98 100

100 65.5 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

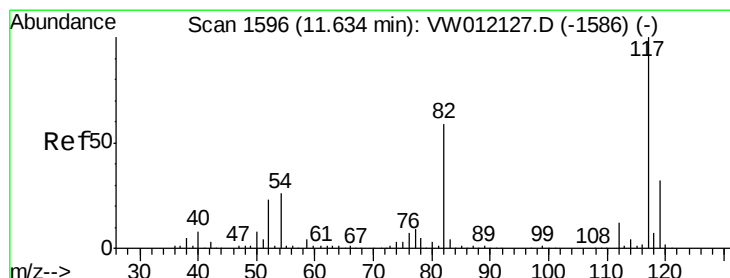
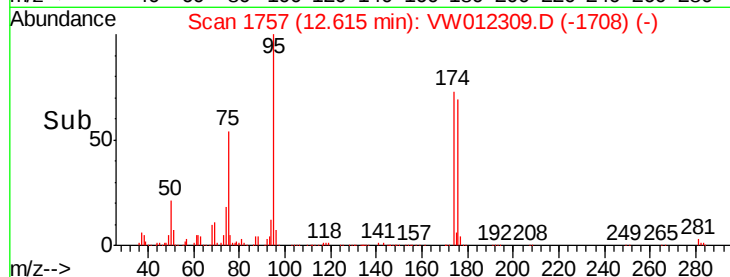
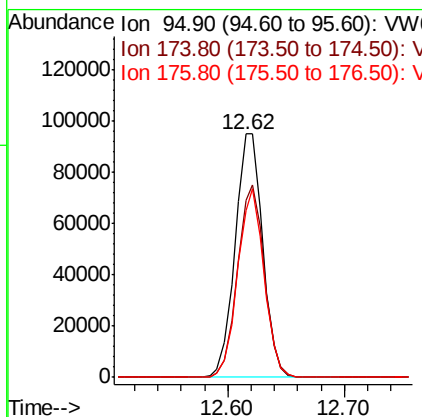
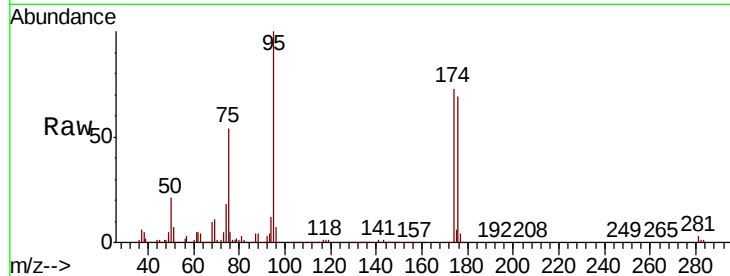




#62
4-Bromofluorobenzene
Concen: 46.384 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012309.D
Acq: 29 Aug 2019 17:46

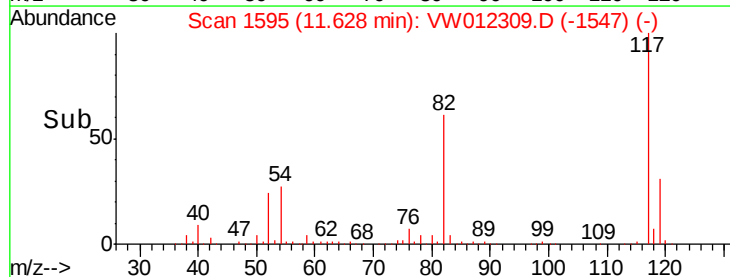
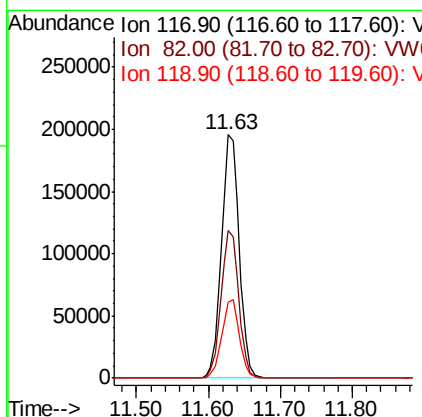
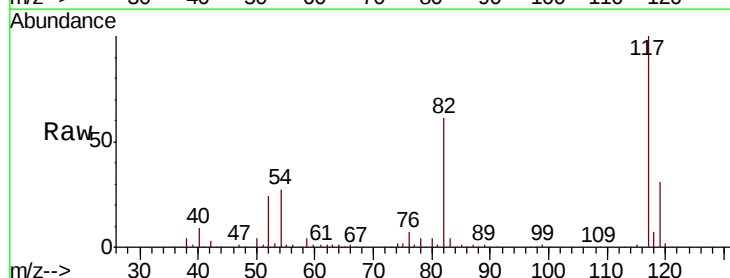
Instrument :
MSVOA_W
ClientSampleId :
RT-1868-4221

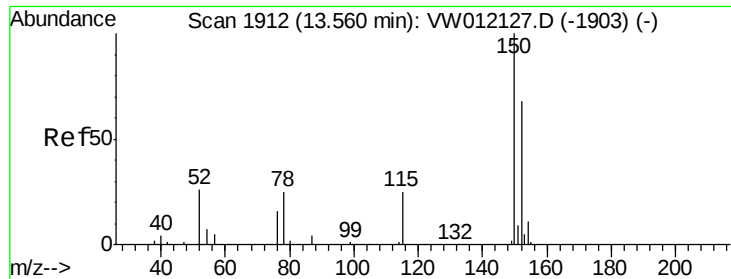
Tgt Ion: 95 Resp: 156954
Ion Ratio Lower Upper
95 100
174 76.9 0.0 150.8
176 73.9 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012309.D
Acq: 29 Aug 2019 17:46

Tgt Ion: 117 Resp: 334566
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.2
119 31.1 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012309.D

Acq: 29 Aug 2019 17:46

Instrument :

MSVOA_W

ClientSampleId :

RT-1868-4221

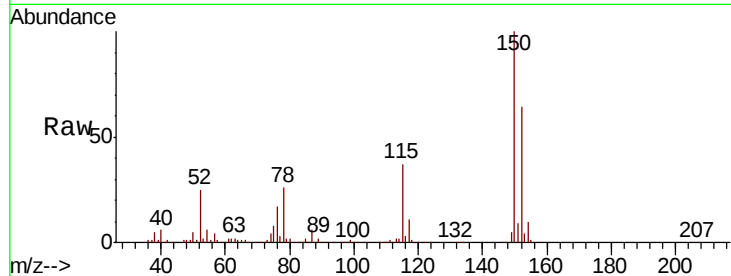
Tgt Ion:152 Resp: 137668

Ion Ratio Lower Upper

152 100

115 60.4 30.1 90.3

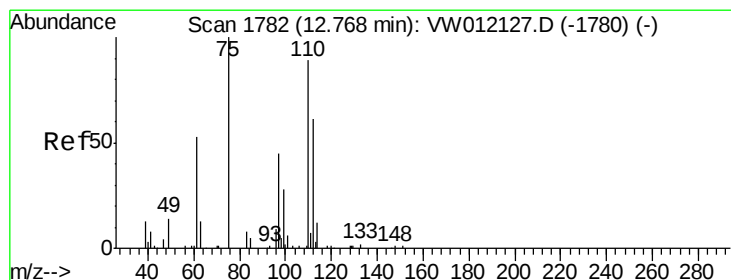
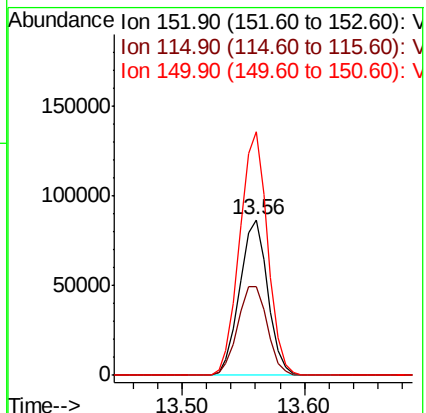
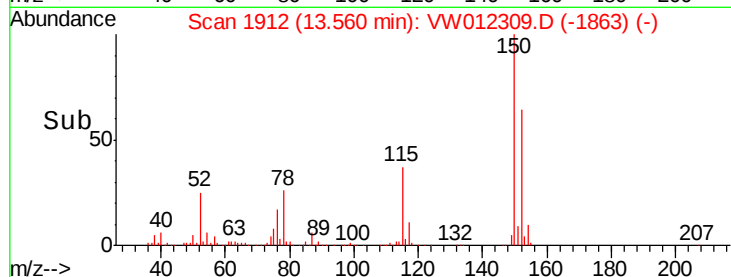
150 155.4 0.0 345.8



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: 62.112 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012309.D

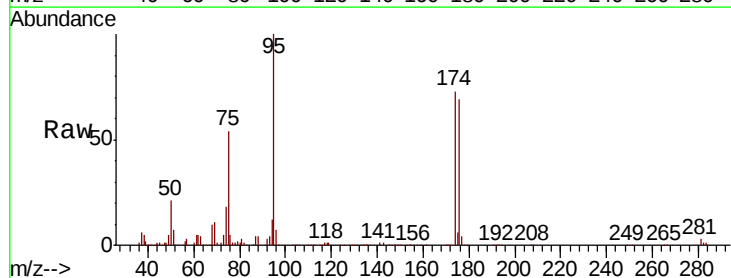
Acq: 29 Aug 2019 17:46

Tgt Ion: 75 Resp: 83279

Ion Ratio Lower Upper

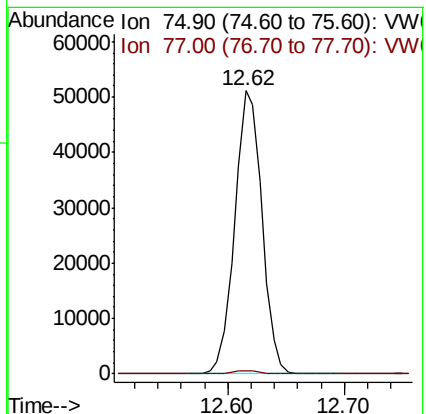
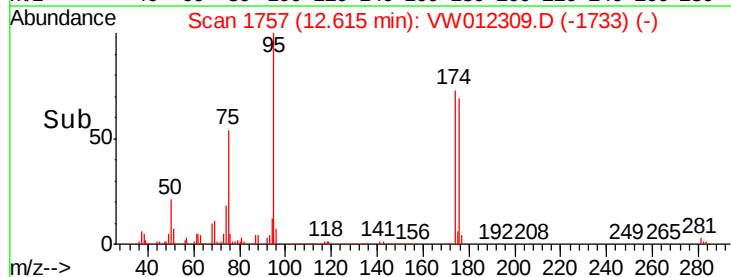
75 100

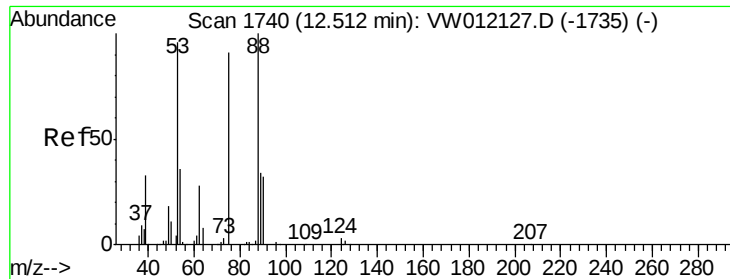
77 1.2 0.0 0.0#



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: 136.183 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012309.D

Acq: 29 Aug 2019 17:46

Instrument :

MSVOA_W

ClientSampleId :

RT-1868-4221

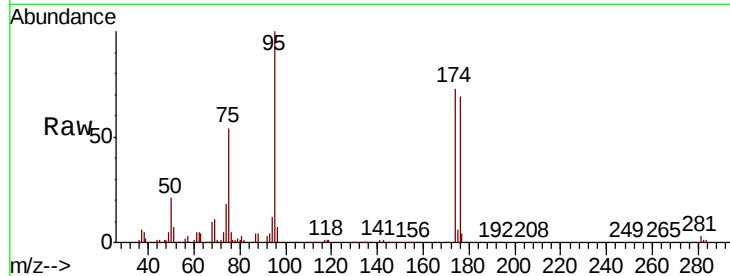
Tgt Ion: 75 Resp: 83279

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

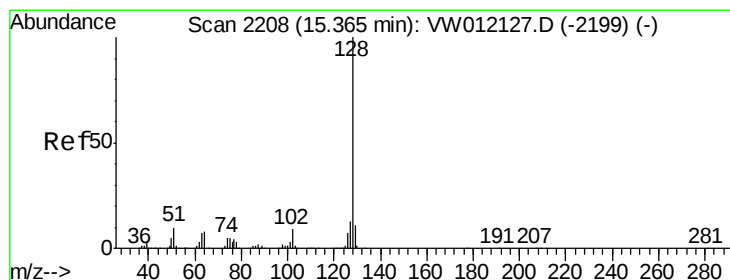
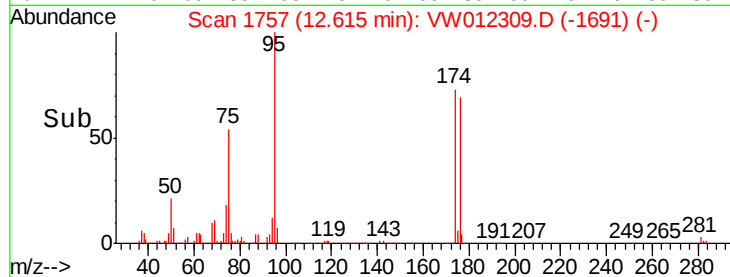
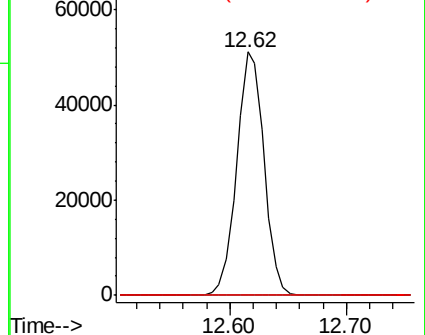
89 0.0 34.5 51.7#



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



#95

Naphthalene

Concen: 4.336 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW012309.D

Acq: 29 Aug 2019 17:46

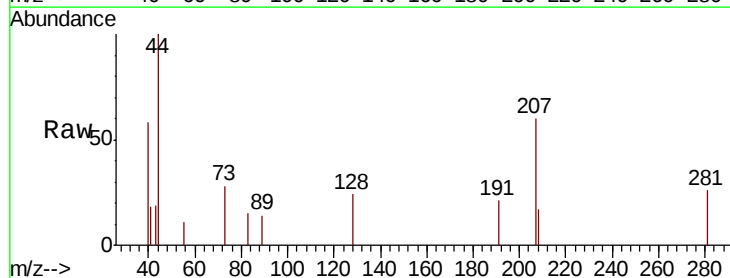
Tgt Ion: 128 Resp: 87

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

