

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
 Data File : VW012322.D
 Acq On : 30 Aug 2019 00:40
 Operator : SY/VA
 Sample : K4582-01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RT-3422

Quant Time: Aug 30 06:54:24 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	252625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416357	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	342097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	136204	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	153748	51.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.40%	
35) Dibromofluoromethane	7.88	113	125627	50.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.10%	
50) Toluene-d8	10.32	98	504083	50.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.04%	
62) 4-Bromofluorobenzene	12.62	95	160568	45.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.40%	

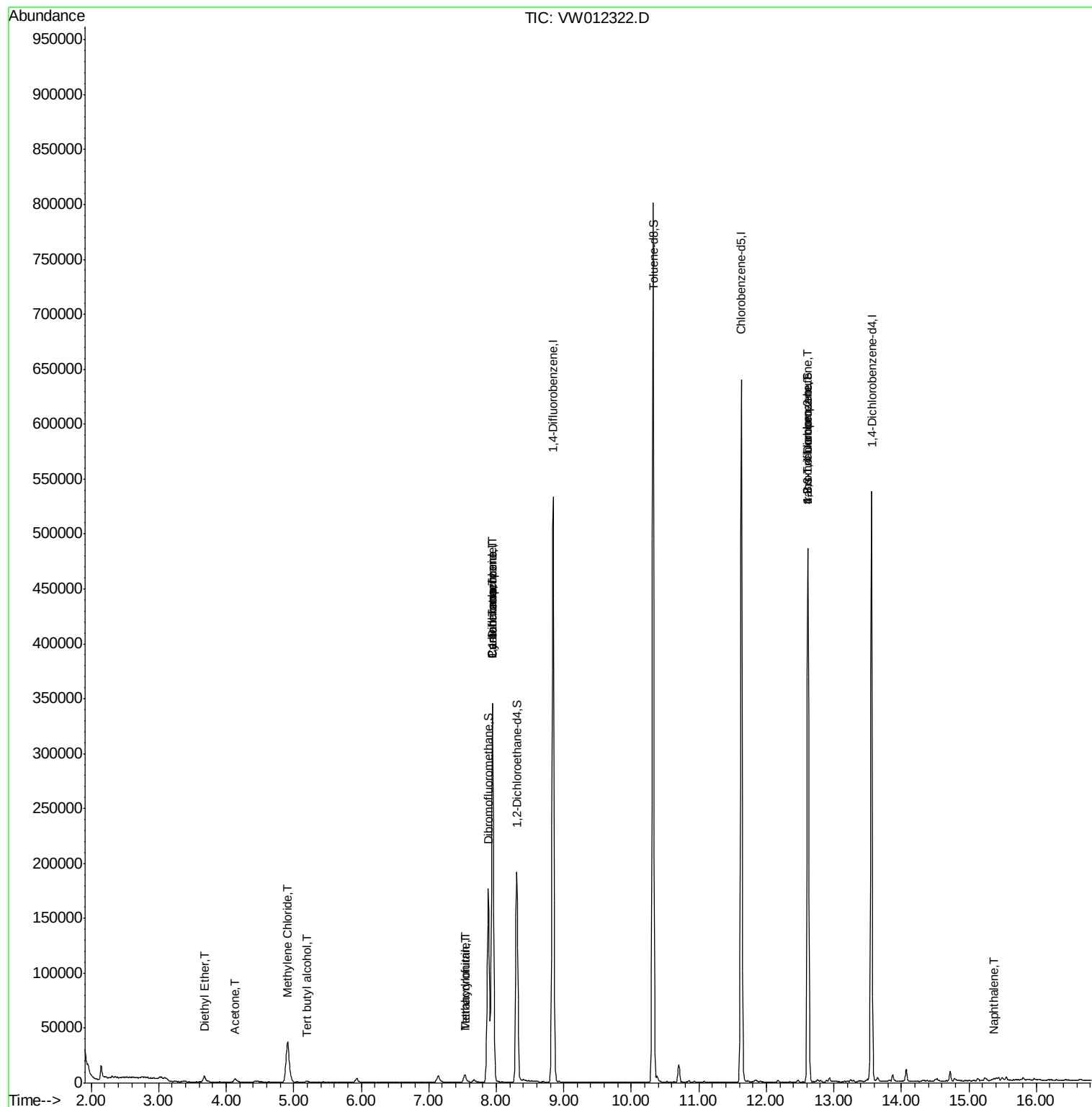
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2502	1.780	ug/l	99
11) Tert butyl alcohol	5.18	59	1302	7.204	ug/l #	77
16) Acetone	4.13	43	6675	8.695	ug/l	98
20) Methylene Chloride	4.91	84	27281	9.401	ug/l	98
29) Tetrahydrofuran	7.53	42	5884	9.402	ug/l	97
31) Cyclohexane	7.94	56	6403	1.184	ug/l #	16
36) 1,1-Dichloropropene	7.94	75	21383	4.970	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25059	6.729	ug/l #	16
41) Methacrylonitrile	7.54	41	3901	2.815	ug/l #	53
76) 1,2,3-Trichloropropane	12.61	75	83624	63.040	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	83624	138.217	ug/l #	6
95) Naphthalene	15.36	128	1766	4.635	ug/l	97

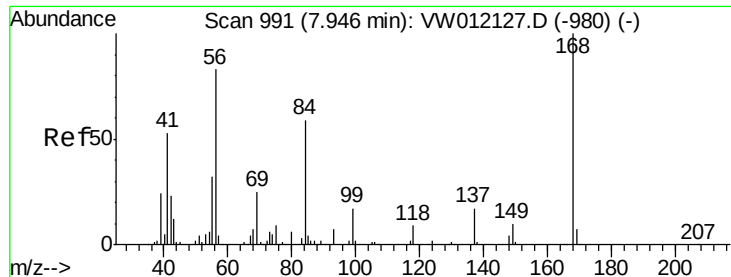
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
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Quant Title : SW846 8260
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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: VW012322.D

Acq: 30 Aug 2019 00:40

Instrument :

MSVOA_W

ClientSampleId :

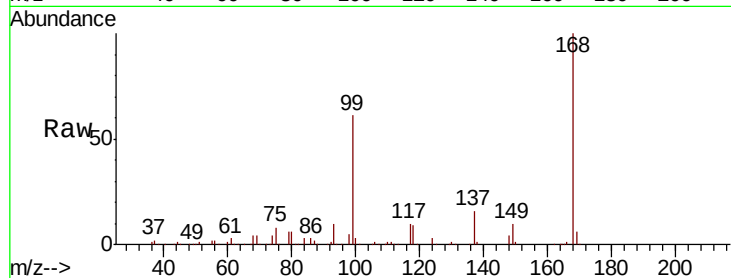
RT-3422

Tgt Ion:168 Resp: 252625

Ion Ratio Lower Upper

168 100

99 60.6 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

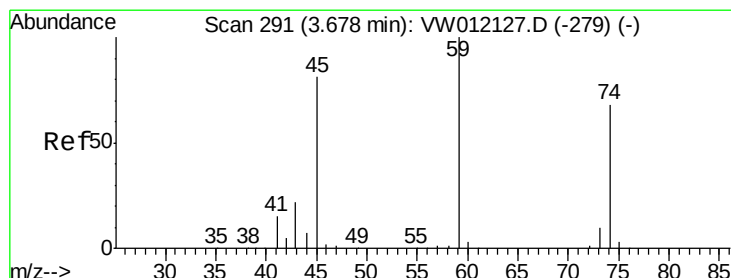
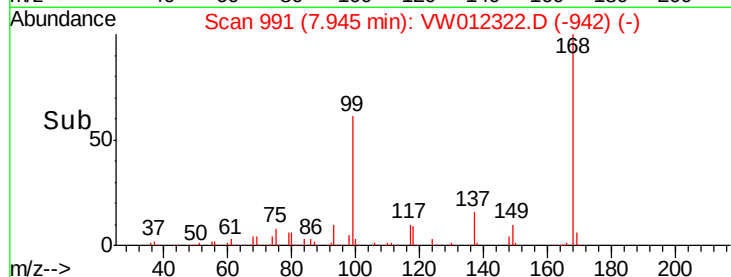
7.95

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.780 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012322.D

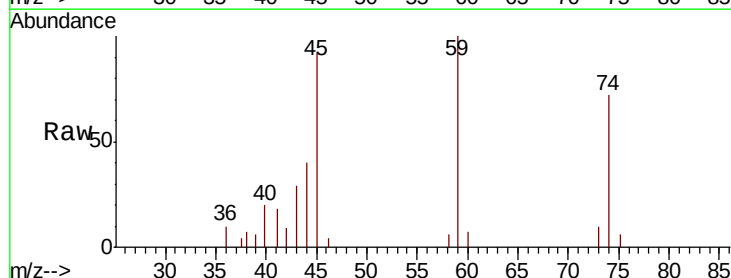
Acq: 30 Aug 2019 00:40

Tgt Ion: 74 Resp: 2502

Ion Ratio Lower Upper

74 100

45 119.7 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

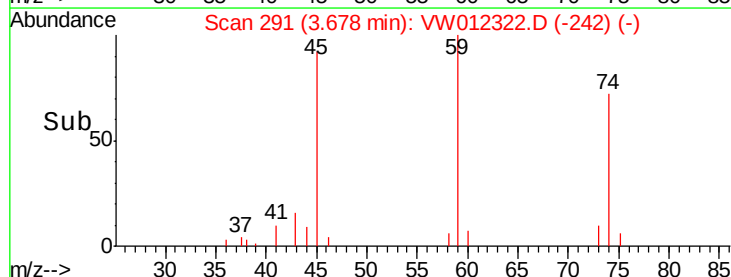
1500

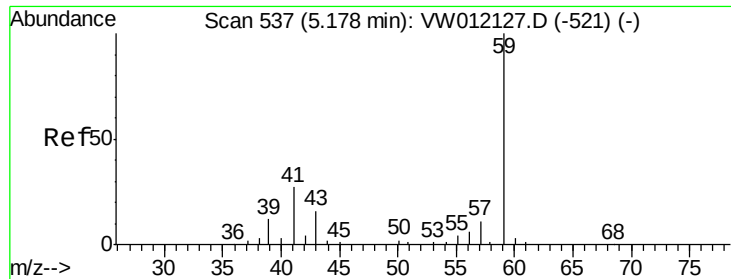
1000

500

0

Time-->

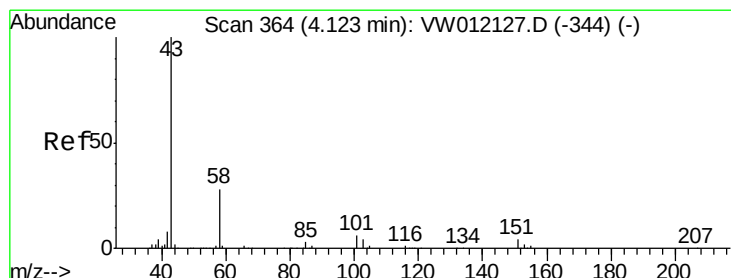
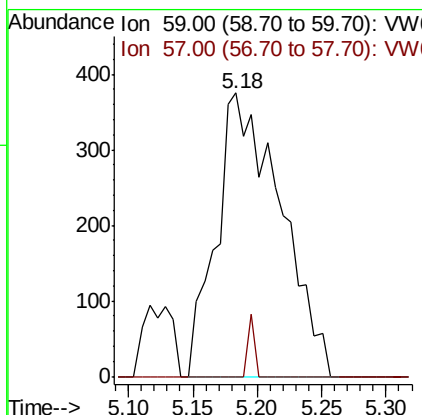
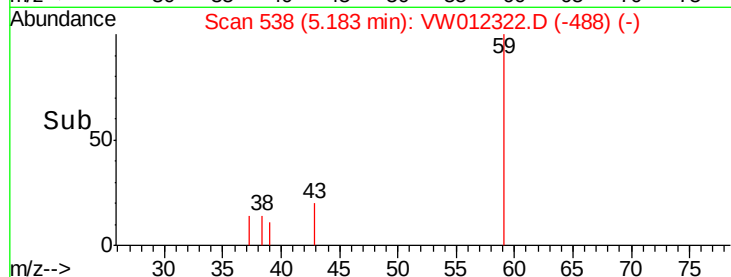
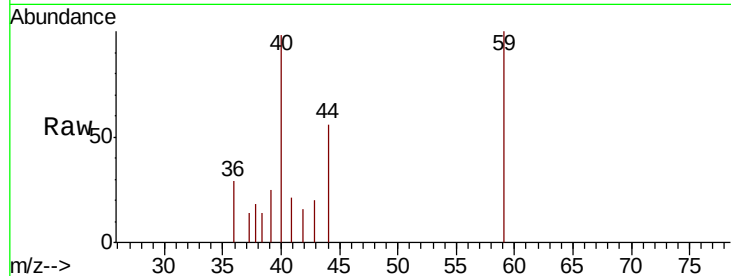




#11
Tert butyl alcohol
Concen: 7.204 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012322.D
Acq: 30 Aug 2019 00:40

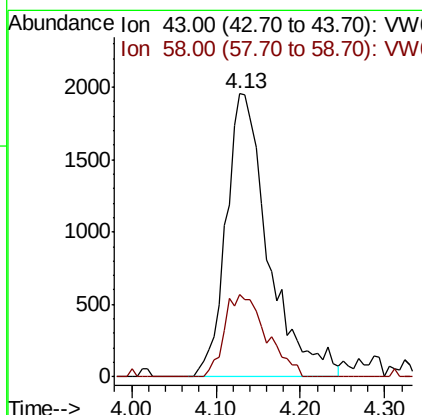
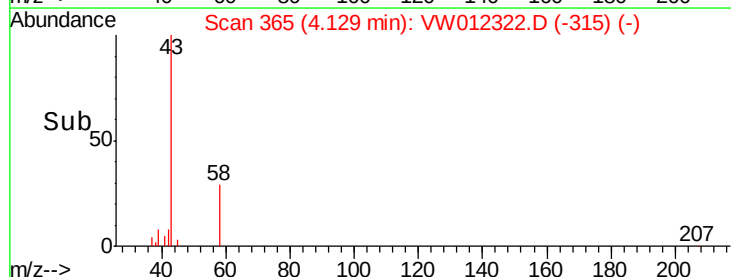
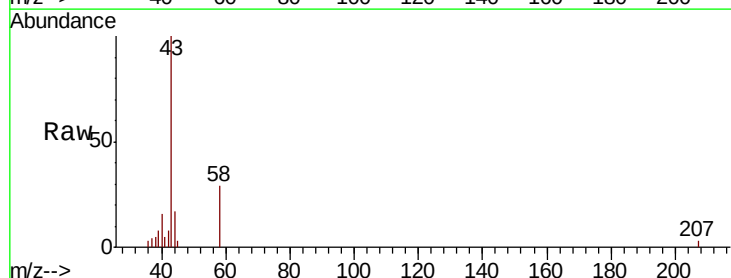
Instrument :
MSVOA_W
ClientSampleId :
RT-3422

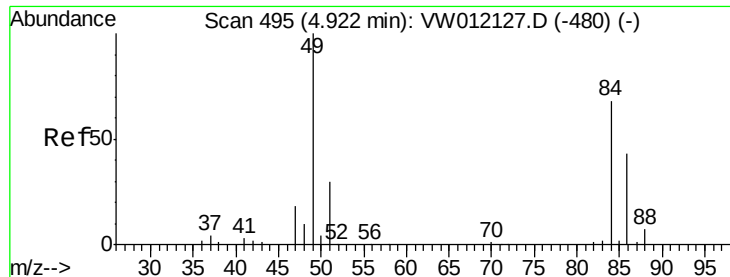
Tgt Ion: 59 Resp: 1302
Ion Ratio Lower Upper
59 100
57 2.3 9.0 13.4#



#16
Acetone
Concen: 8.695 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW012322.D
Acq: 30 Aug 2019 00:40

Tgt Ion: 43 Resp: 6675
Ion Ratio Lower Upper
43 100
58 29.1 22.4 33.6





#20

Methylene Chloride

Concen: 9.401 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012322.D

Acq: 30 Aug 2019 00:40

Instrument :

MSVOA_W

ClientSampleId :

RT-3422

Tgt Ion: 84 Resp: 27281

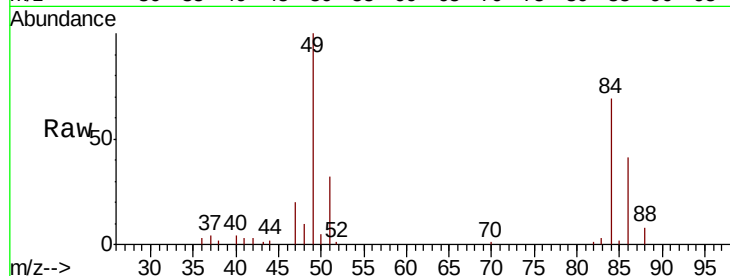
Ion Ratio Lower Upper

84 100

49 145.8 117.8 176.8

51 46.4 35.6 53.4

86 60.1 51.2 76.8

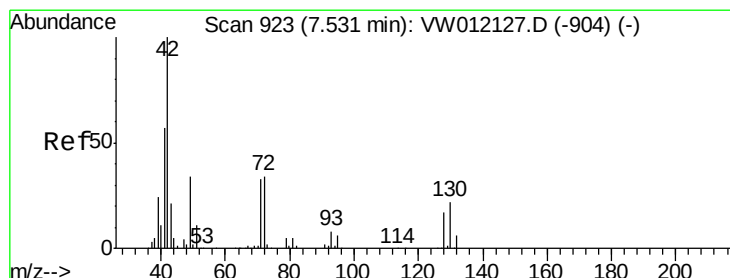
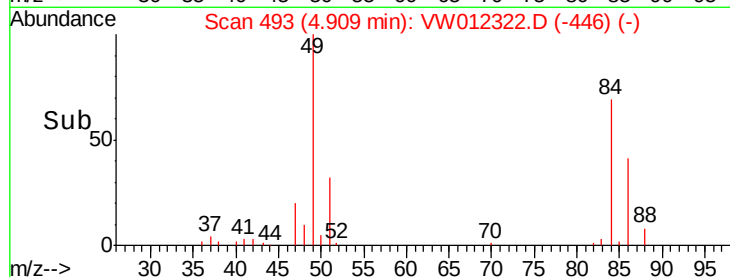
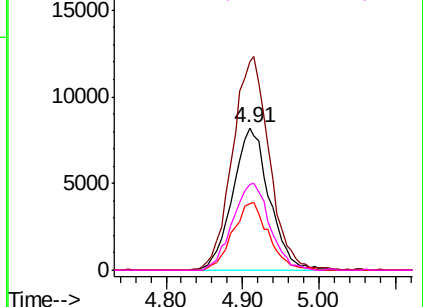


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 9.402 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW012322.D

Acq: 30 Aug 2019 00:40

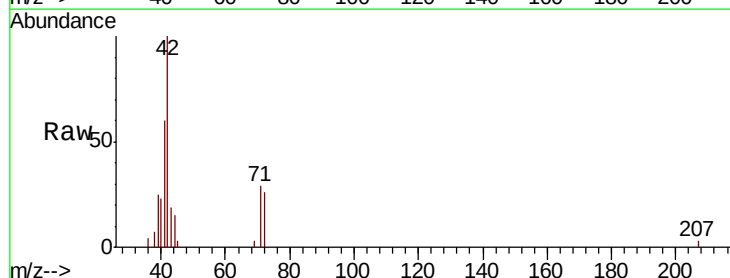
Tgt Ion: 42 Resp: 5884

Ion Ratio Lower Upper

42 100

72 33.0 27.3 40.9

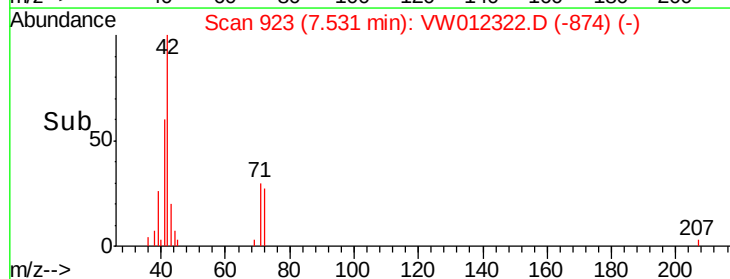
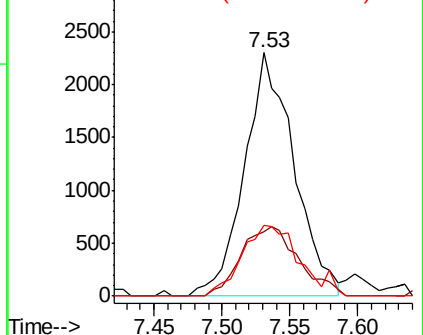
71 33.9 25.5 38.3

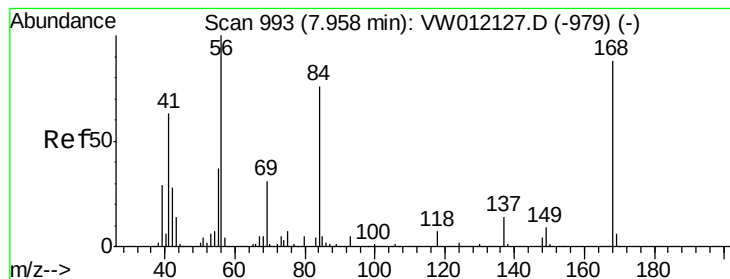


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.184 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012322.D

Acq: 30 Aug 2019 00:40

Instrument :

MSVOA_W

ClientSampleId :

RT-3422

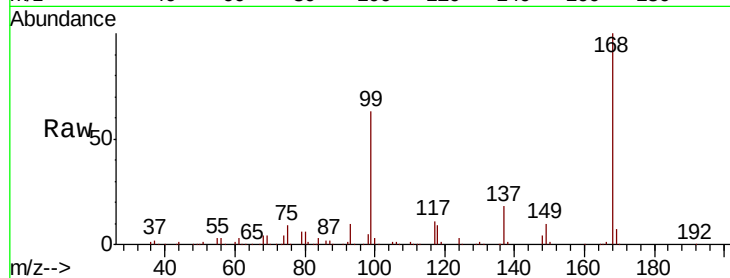
Tgt Ion: 56 Resp: 6403

Ion Ratio Lower Upper

56 100

69 139.1 24.9 37.3#

84 107.9 60.6 90.8#

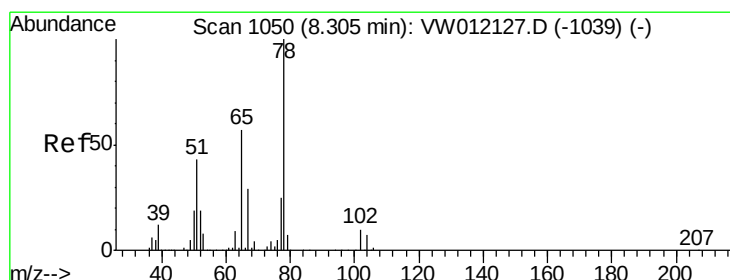
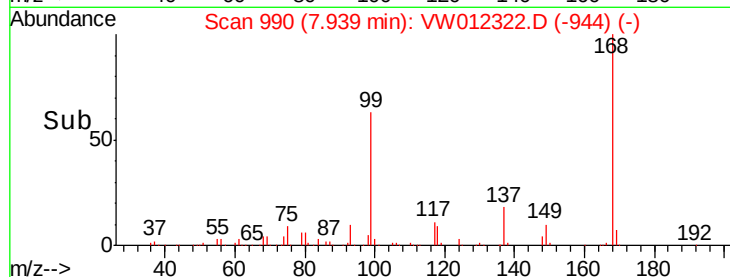
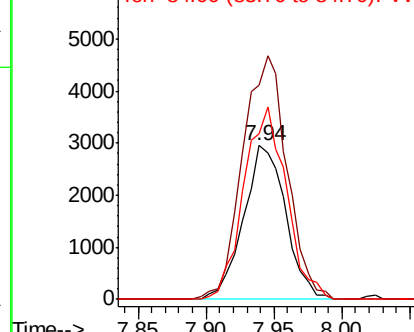


Abundance

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: 51.197 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012322.D

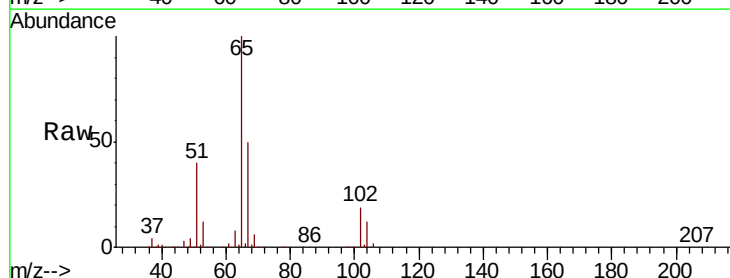
Acq: 30 Aug 2019 00:40

Tgt Ion: 65 Resp: 153748

Ion Ratio Lower Upper

65 100

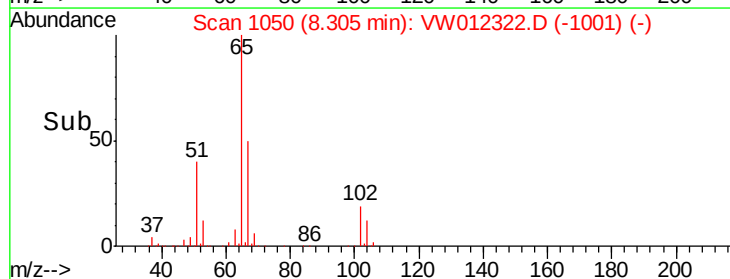
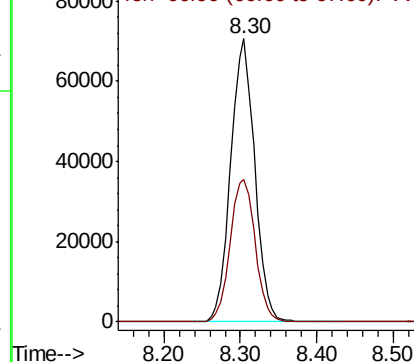
67 52.5 0.0 102.6

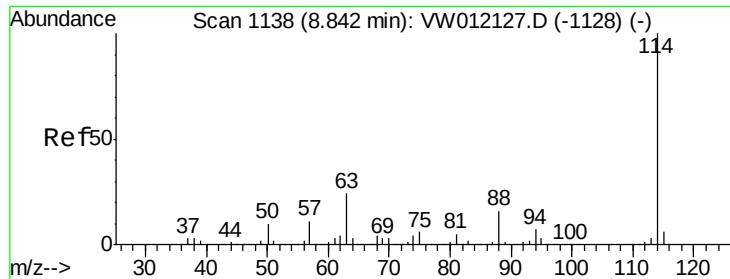


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

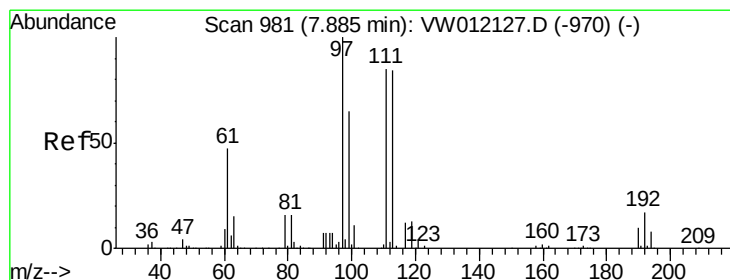
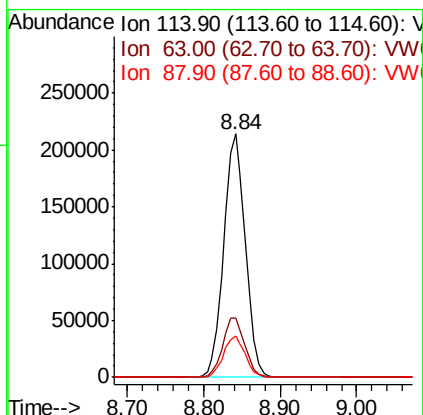
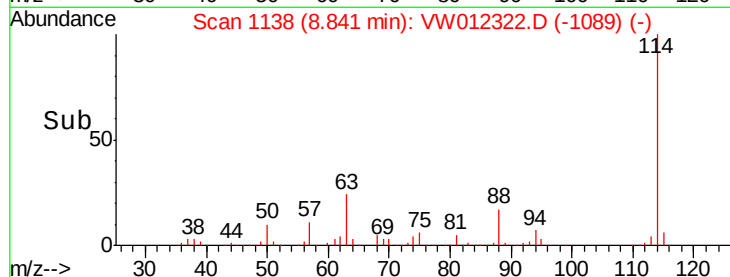
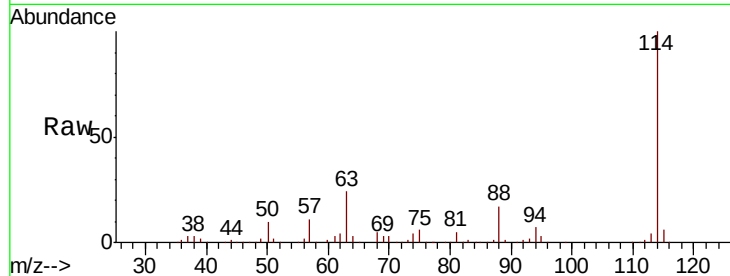




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW012322.D
Acq: 30 Aug 2019 00:40

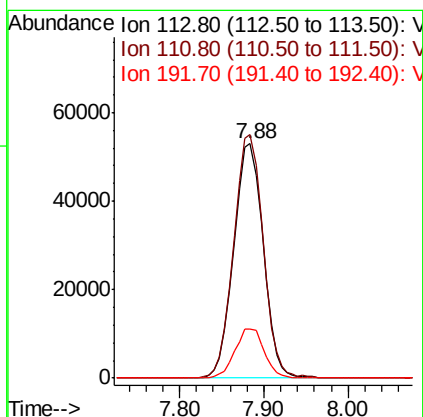
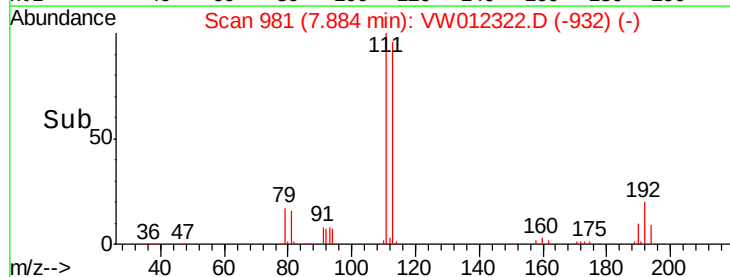
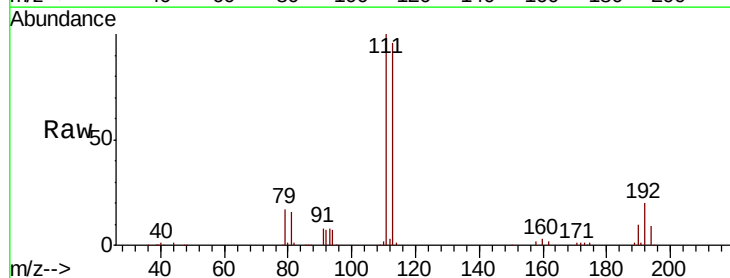
Instrument :
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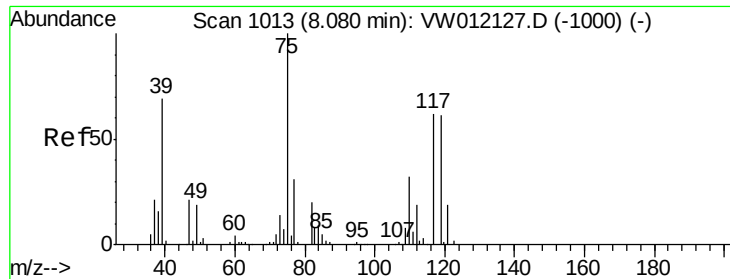
Tgt Ion:114 Resp: 416357
Ion Ratio Lower Upper
114 100
63 24.1 0.0 48.6
88 16.9 0.0 32.2



#35
Dibromofluoromethane
Concen: 50.549 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW012322.D
Acq: 30 Aug 2019 00:40

Tgt Ion:113 Resp: 125627
Ion Ratio Lower Upper
113 100
111 103.6 82.7 124.1
192 20.8 16.2 24.2

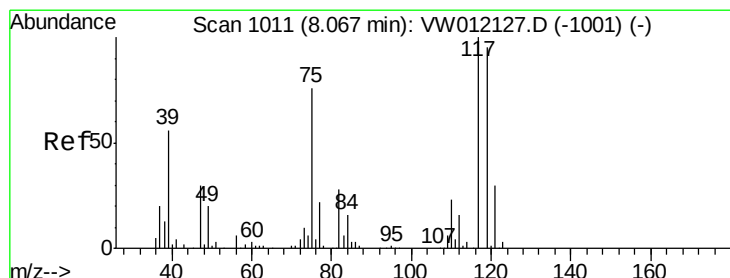
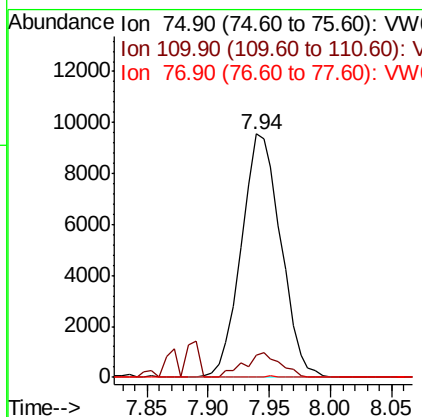
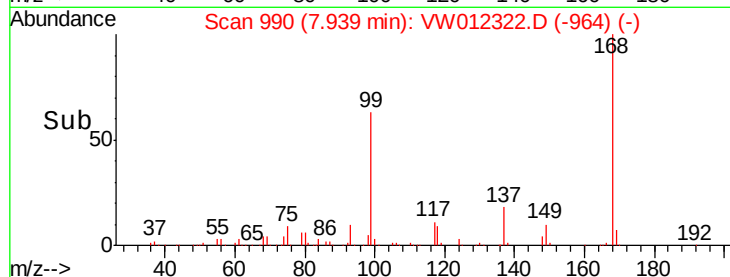
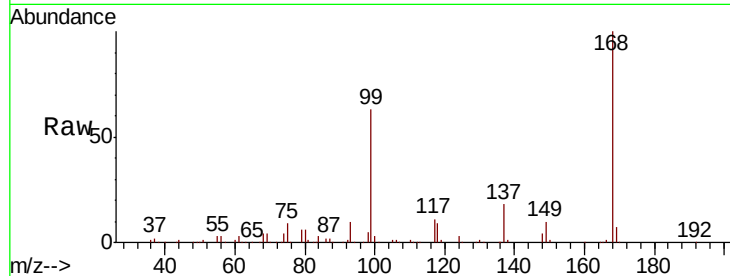




#36
 1,1-Dichloropropene
 Concen: 4.970 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012322.D
 Acq: 30 Aug 2019 00:40

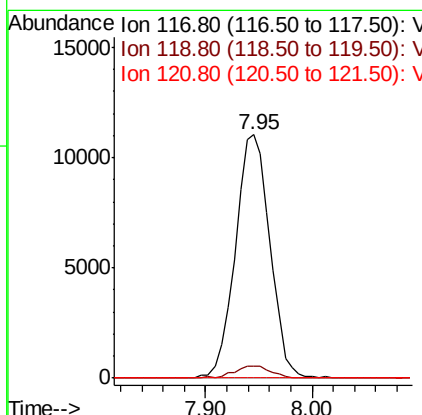
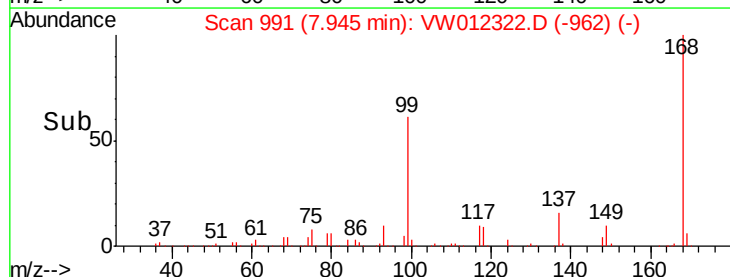
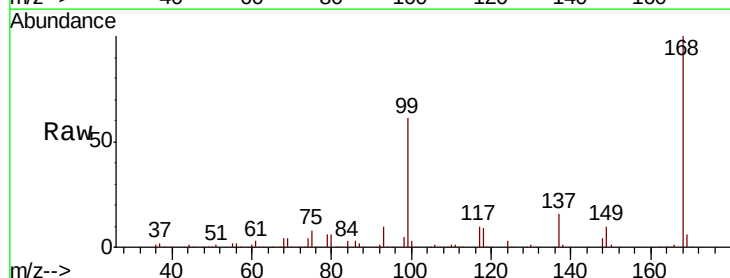
Instrument :
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 RT-3422

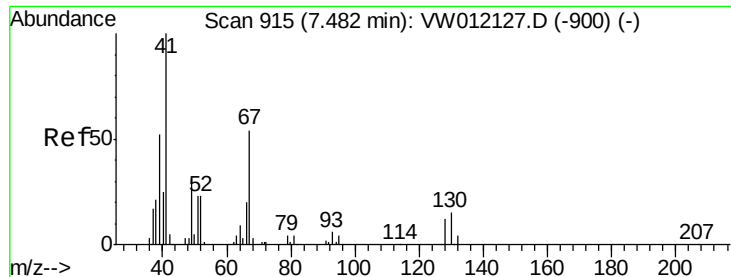
Tgt Ion: 75 Resp: 21383
 Ion Ratio Lower Upper
 75 100
 110 9.3 15.6 46.8#
 77 0.1 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.729 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012322.D
 Acq: 30 Aug 2019 00:40

Tgt Ion: 117 Resp: 25059
 Ion Ratio Lower Upper
 117 100
 119 5.0 76.2 114.2#
 121 0.0 23.8 35.8#

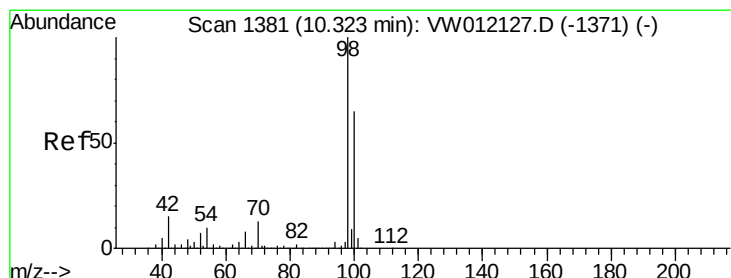
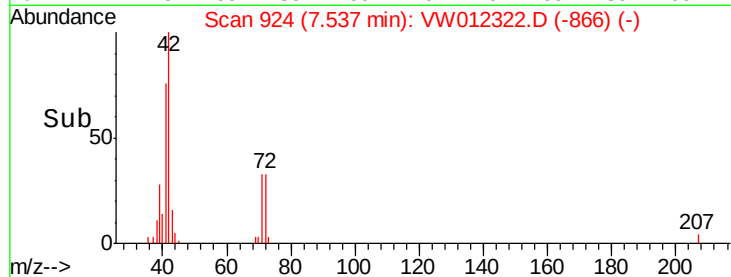
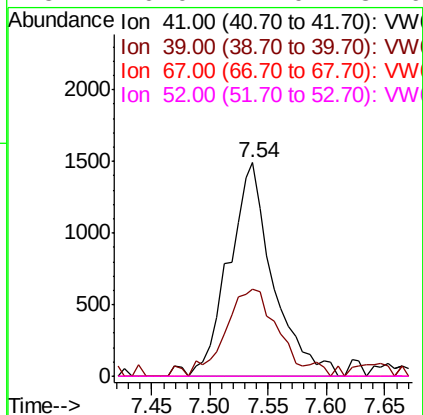
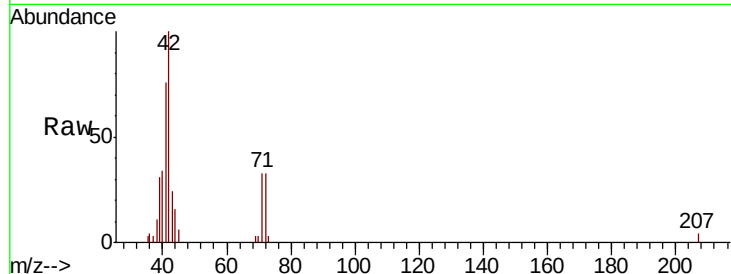




#41
Methacrylonitrile
Concen: 2.815 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012322.D
Acq: 30 Aug 2019 00:40

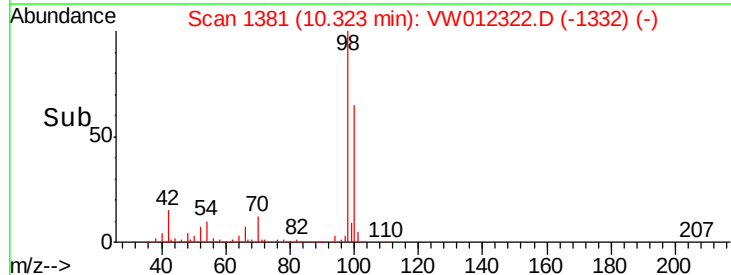
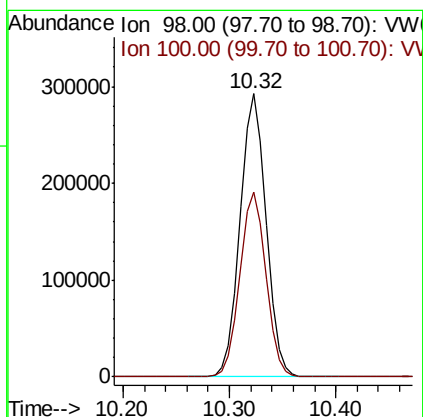
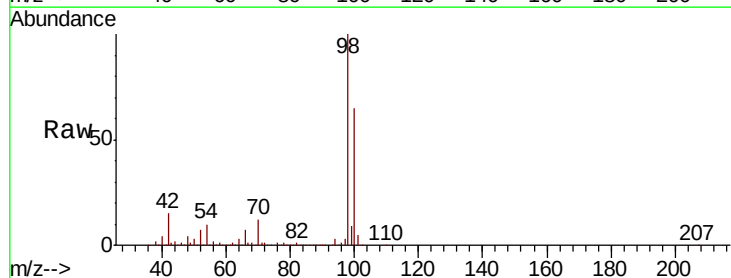
Instrument :
MSVOA_W
ClientSampleId :
RT-3422

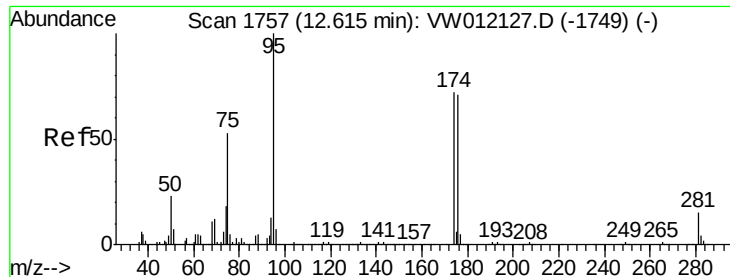
Tgt Ion	Ratio	Lower	Upper
41	100		
39	47.0	45.8	68.8
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#



#50
Toluene-d8
Concen: 50.023 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012322.D
Acq: 30 Aug 2019 00:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.4	78.6

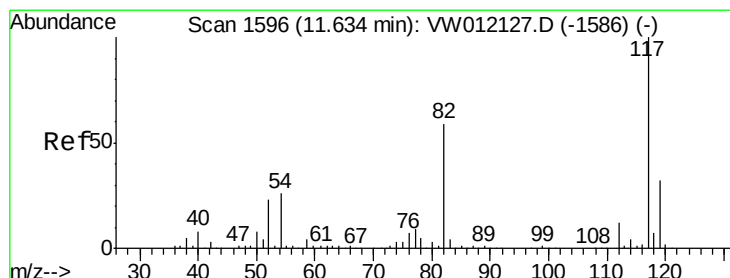
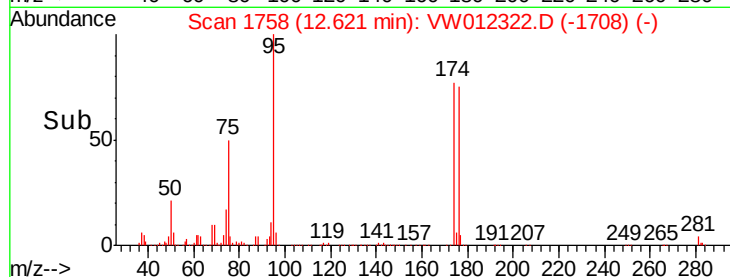
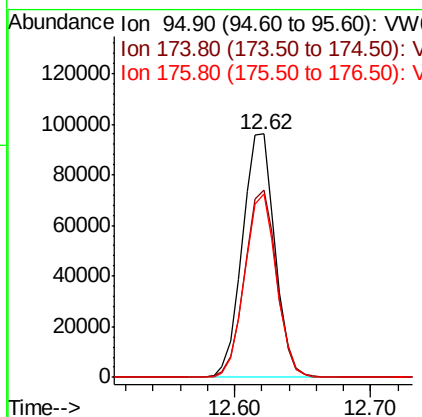
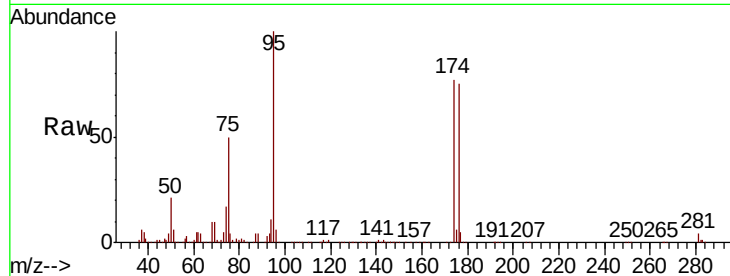




#62
4-Bromofluorobenzene
Concen: 45.203 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW012322.D
Acq: 30 Aug 2019 00:40

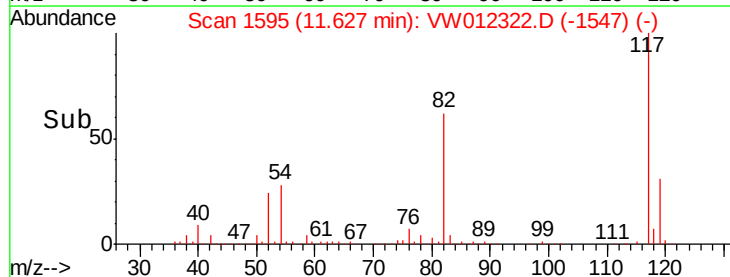
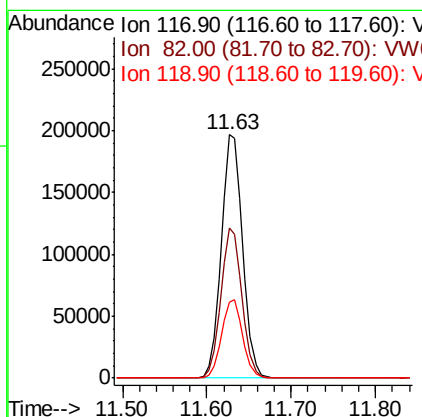
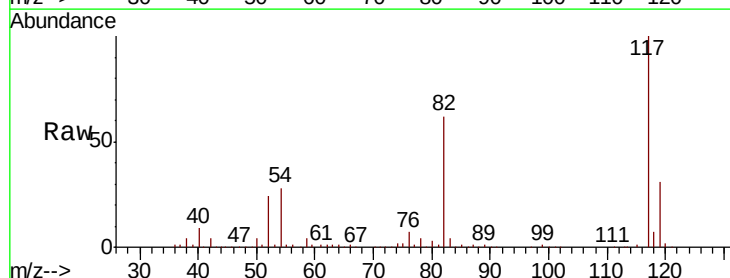
Instrument :
MSVOA_W
ClientSampleId :
RT-3422

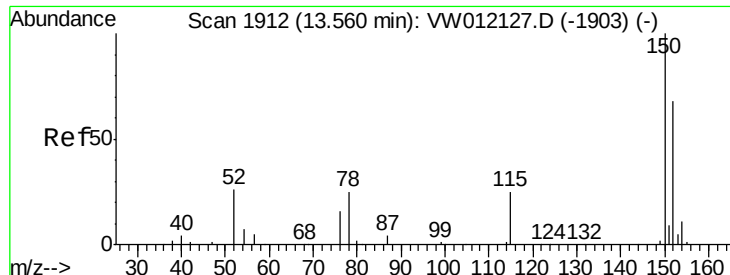
Tgt Ion: 95 Resp: 160568
Ion Ratio Lower Upper
95 100
174 75.9 0.0 150.8
176 73.6 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012322.D
Acq: 30 Aug 2019 00:40

Tgt Ion: 117 Resp: 342097
Ion Ratio Lower Upper
117 100
82 61.6 47.4 71.2
119 31.4 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: VW012322.D

Acq: 30 Aug 2019 00:40

Instrument :

MSVOA_W

ClientSampleId :

RT-3422

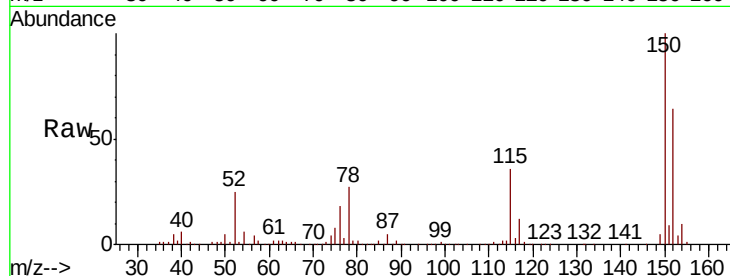
Tgt Ion:152 Resp: 136204

Ion Ratio Lower Upper

152 100

115 59.6 30.1 90.3

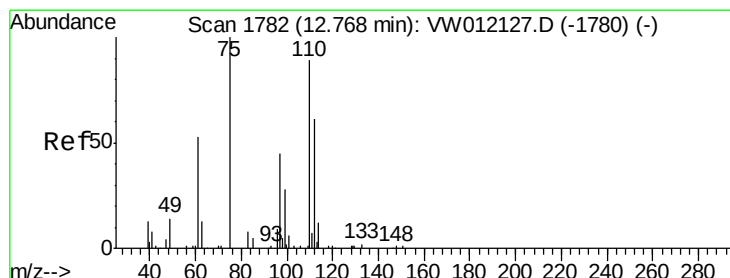
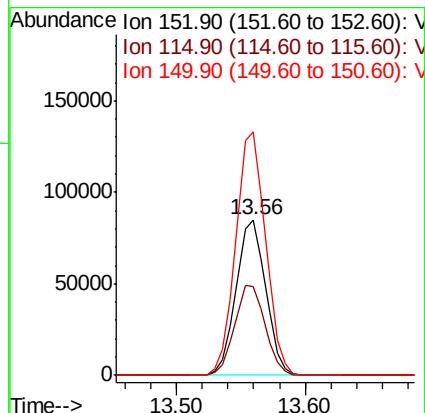
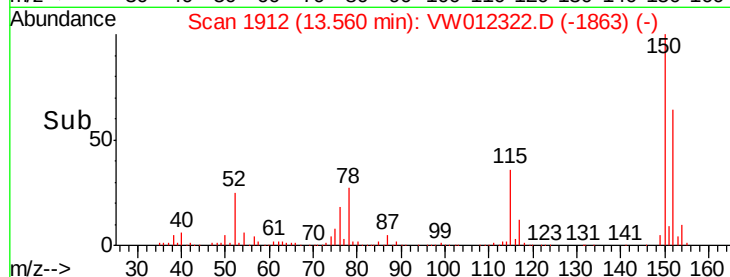
150 157.5 0.0 345.8



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: 63.040 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012322.D

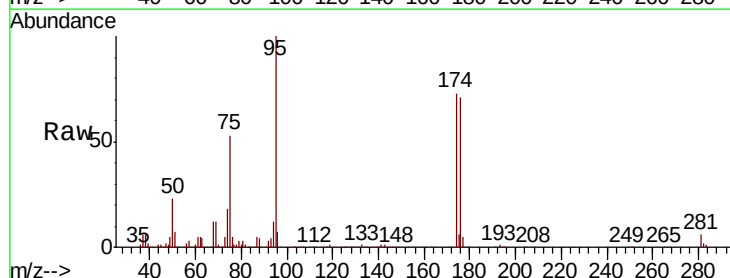
Acq: 30 Aug 2019 00:40

Tgt Ion: 75 Resp: 83624

Ion Ratio Lower Upper

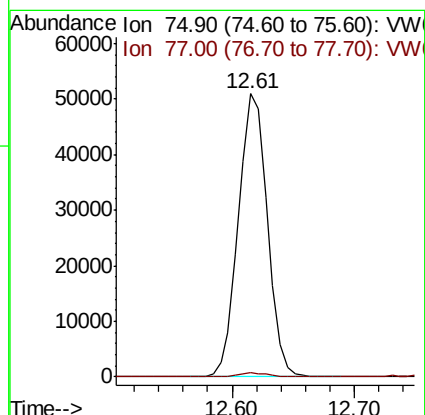
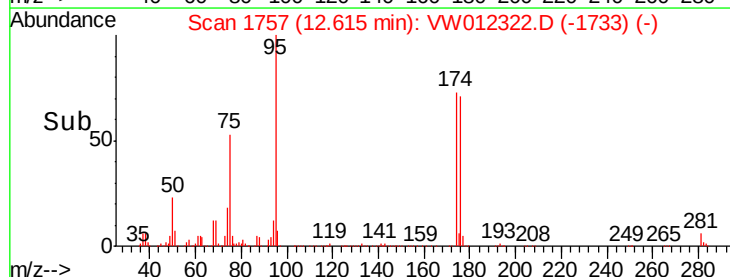
75 100

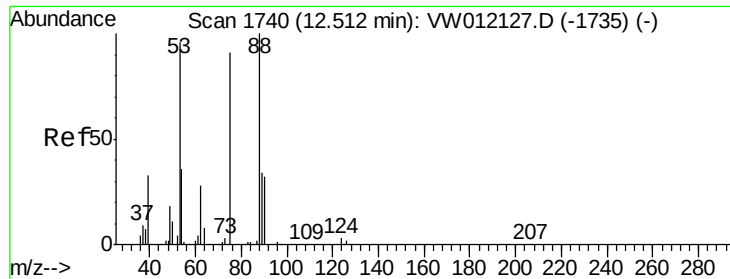
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

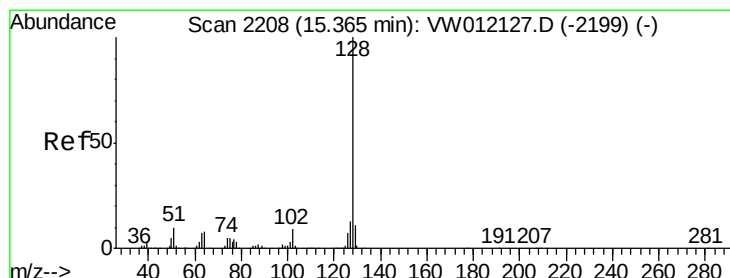
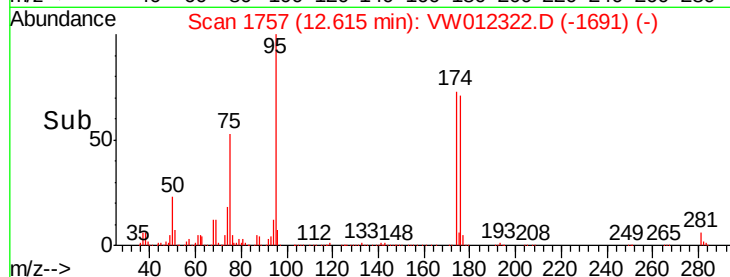
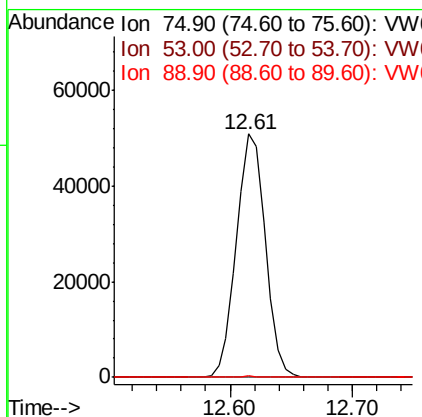
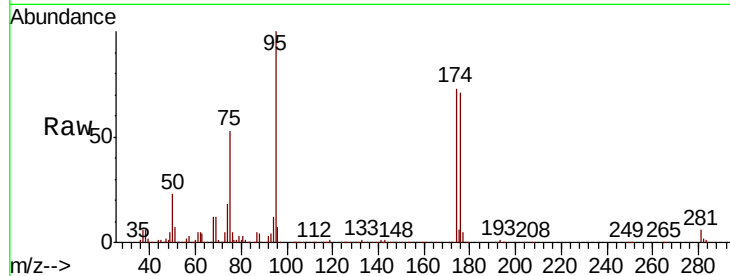




#81
trans-1,4-Dichloro-2-butene
Concen: 138.217 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012322.D
Acq: 30 Aug 2019 00:40

Instrument :
MSVOA_W
ClientSampleId :
RT-3422

Tgt Ion: 75 Resp: 83624
Ion Ratio Lower Upper
75 100
53 0.1 89.4 134.0#
89 0.2 34.5 51.7#



#95
Naphthalene
Concen: 4.635 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012322.D
Acq: 30 Aug 2019 00:40

Tgt Ion: 128 Resp: 1766
Ion Ratio Lower Upper
128 100
127 13.2 10.7 16.1
129 8.9 8.7 13.1

