

Data File : VW012107.D
Acq On : 22 Aug 2019 13:42
Operator : SY/VA
Sample : K4087-01
Misc : 6.42G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
HD-02-082119

Quant Time: Aug 23 07:59:41 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	218263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	365123	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	313655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	133499	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	148500	59.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.50%	
35) Dibromofluoromethane	7.88	113	112134	54.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.48%	
50) Toluene-d8	10.32	98	451090	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
62) 4-Bromofluorobenzene	12.62	95	150807	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	

Target Compounds

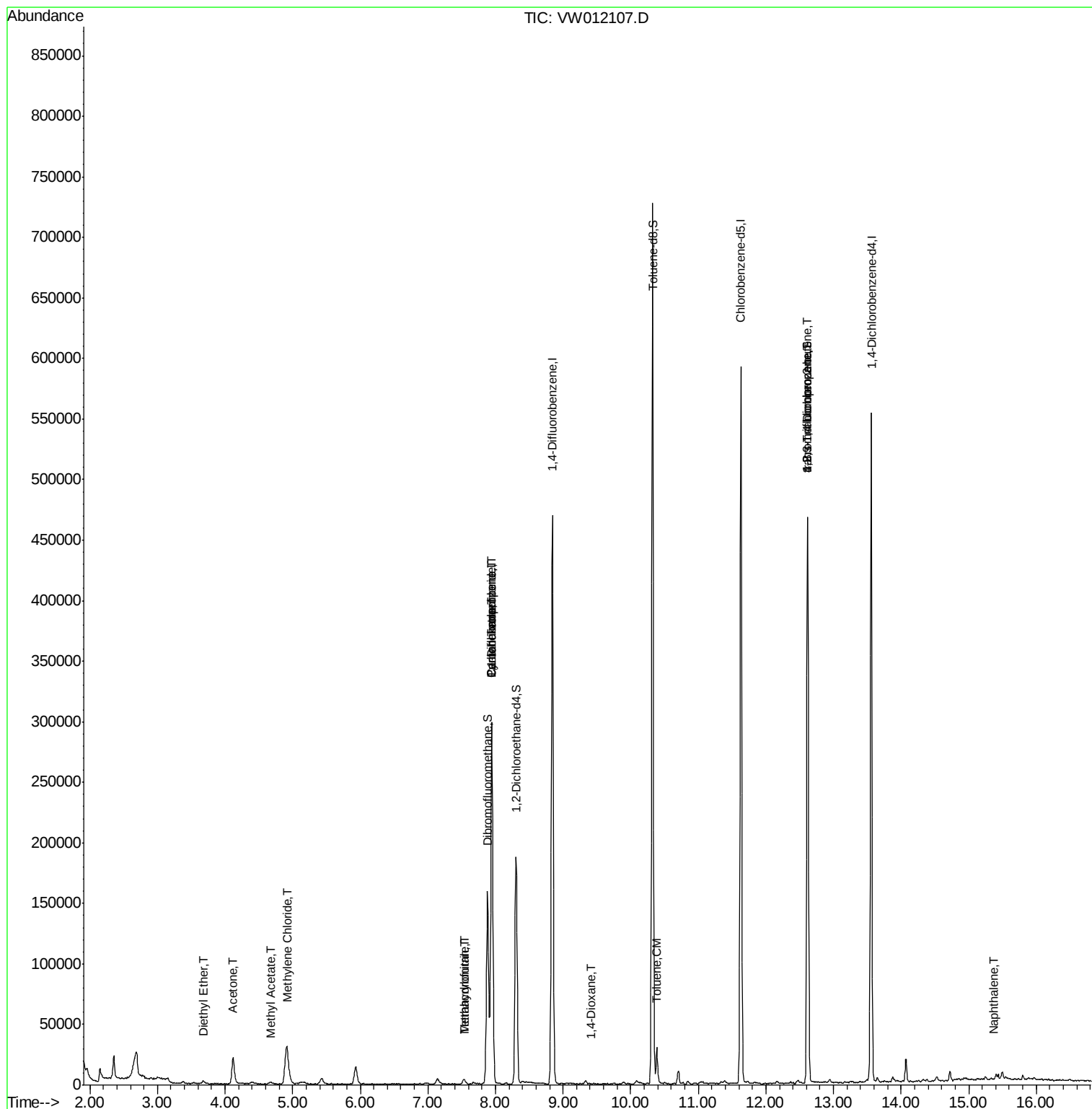
					Qvalue	
8) Diethyl Ether	3.67	74	1376	1.069	ug/l	87
11) Tert butyl alcohol	5.15	59	250	Below Cal	#	72
16) Acetone	4.12	43	39107	49.053	ug/l	99
18) Methyl Acetate	4.67	43	3361	1.877	ug/l #	78
20) Methylene Chloride	4.91	84	25579	9.303	ug/l	99
29) Tetrahydrofuran	7.53	42	3627	6.082	ug/l	98
31) Cyclohexane	7.95	56	5746	1.226	ug/l #	8
36) 1,1-Dichloropropene	7.95	75	18936	4.988	ug/l #	53
38) Carbon Tetrachloride	7.95	117	21669	6.667	ug/l #	17
41) Methacrylonitrile	7.54	41	2255	1.727	ug/l #	57
49) 1,4-Dioxane	9.42	88	21	1.117	ug/l #	15
52) Toluene	10.39	92	11572	1.802	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	81828	57.928	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	81828	133.505	ug/l #	6
95) Naphthalene	15.37	128	367	2.133	ug/l #	77

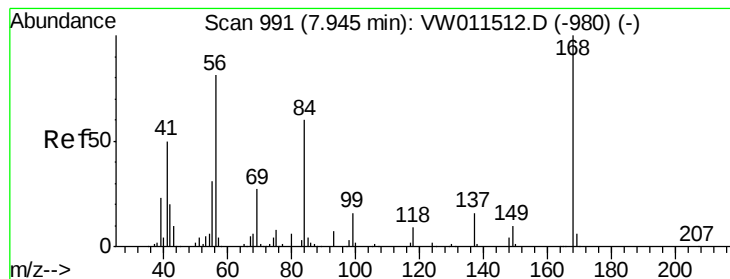
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012107.D

Acq: 22 Aug 2019 13:42

Instrument :

MSVOA_W

ClientSampled :

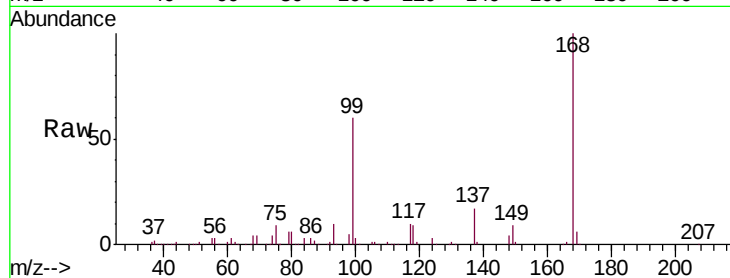
HD-02-082119

Tgt Ion:168 Resp: 218263

Ion Ratio Lower Upper

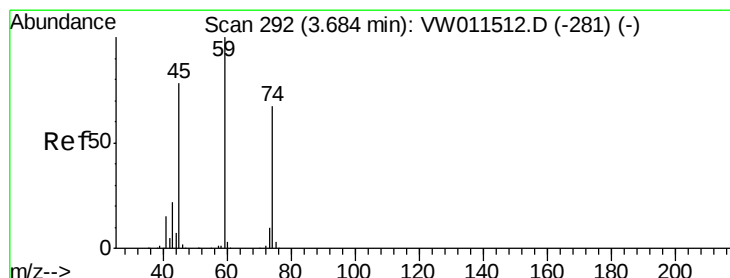
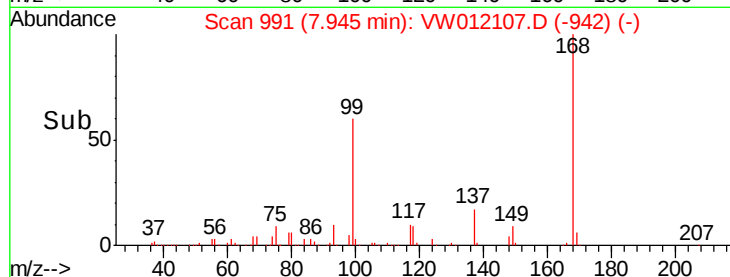
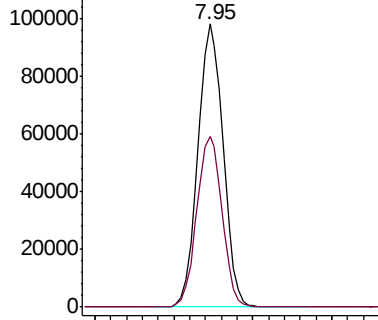
168 100

99 60.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.069 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012107.D

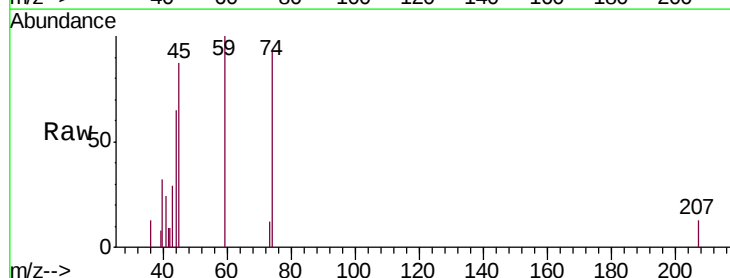
Acq: 22 Aug 2019 13:42

Tgt Ion: 74 Resp: 1376

Ion Ratio Lower Upper

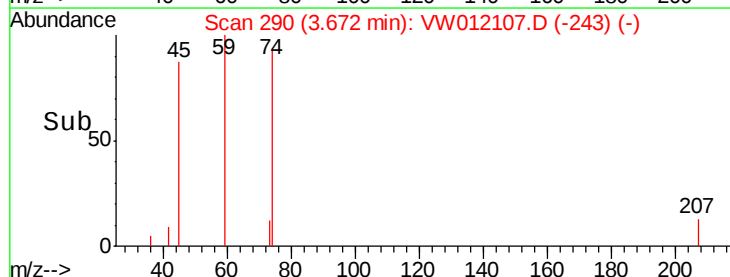
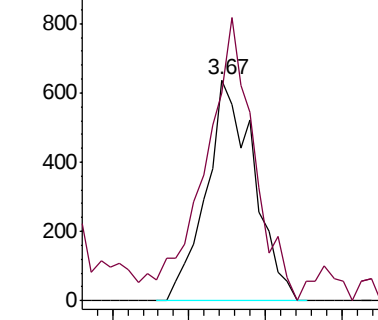
74 100

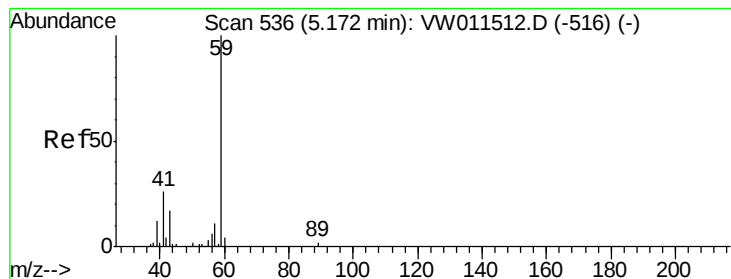
45 133.1 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



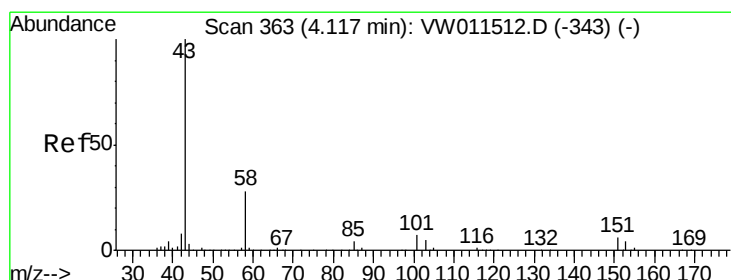
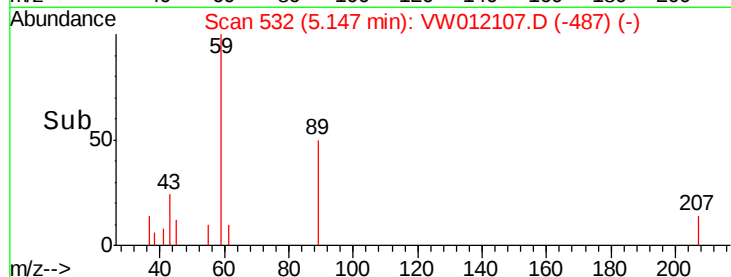
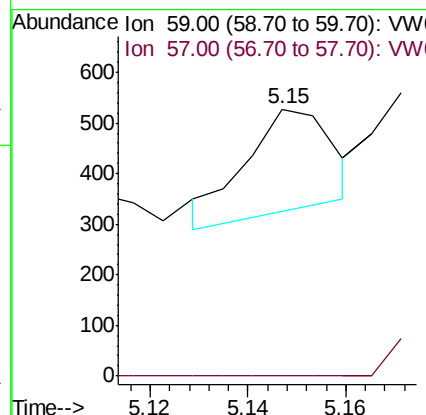
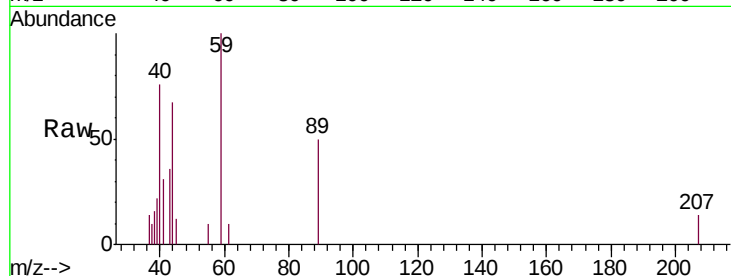


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.15 min Scan# 532
 Delta R.T. -0.02 min
 Lab File: VW012107.D
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Instrument :
 MSVOA_W
 ClientSampleId :
 HD-02-082119

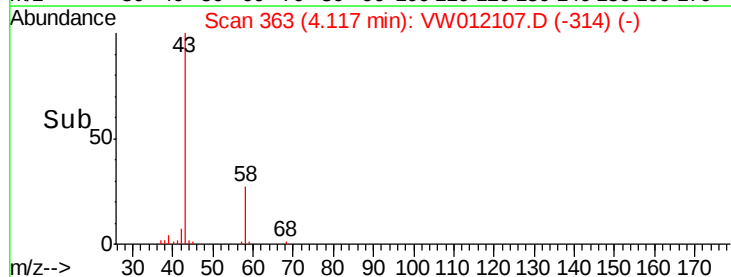
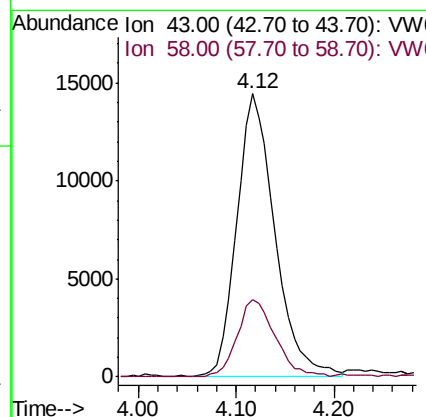
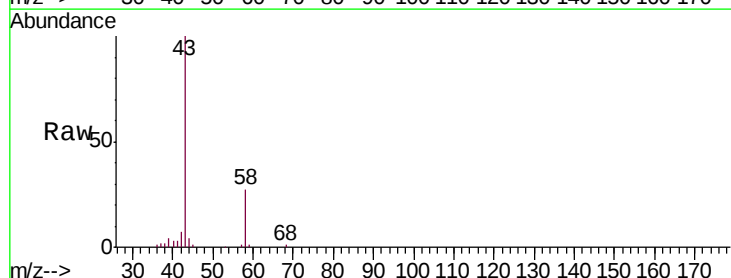
Tgt Ion: 59 Resp: 250
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

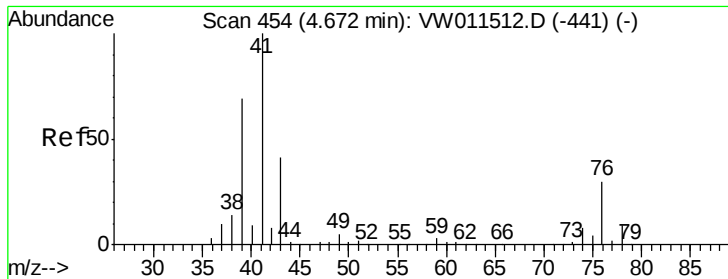


#16

Acetone
 Concen: 49.053 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VW012107.D
 Acq: 22 Aug 2019 13:42

Tgt Ion: 43 Resp: 39107
 Ion Ratio Lower Upper
 43 100
 58 27.3 22.3 33.5

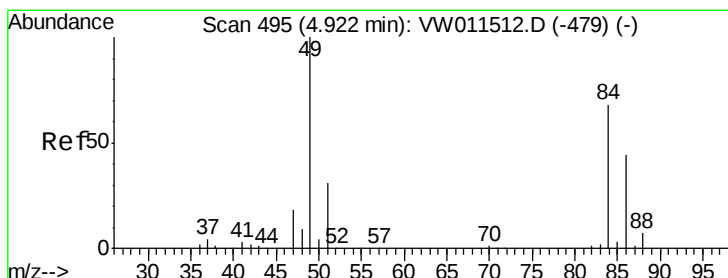
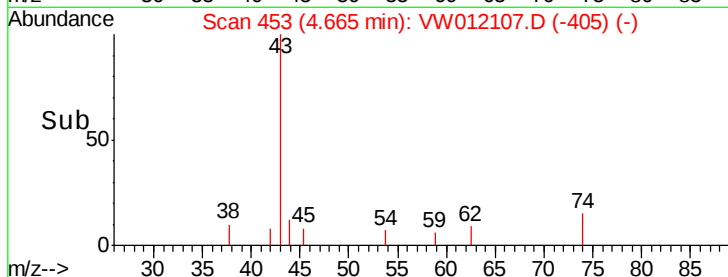
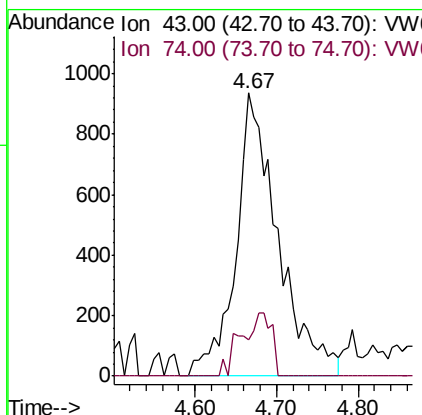
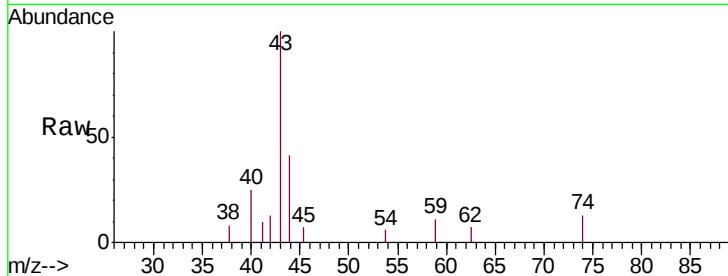




#18
Methyl Acetate
Concen: 1.877 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW012107.D
Acq: 22 Aug 2019 13:42

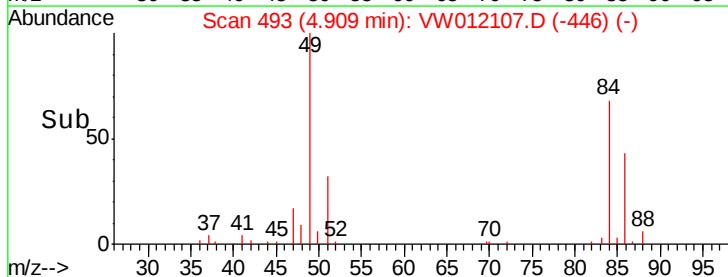
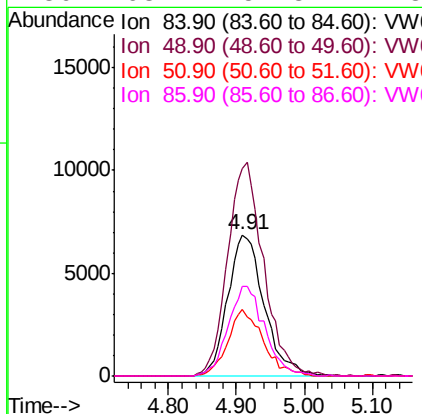
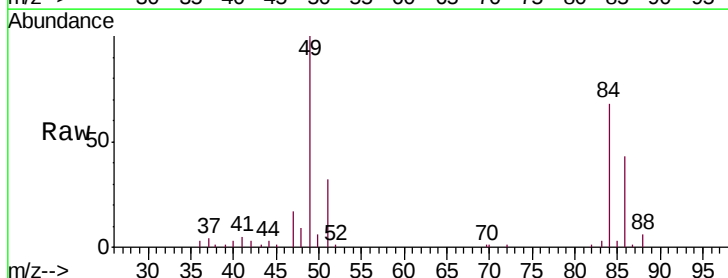
Instrument :
MSVOA_W
ClientSampleId :
HD-02-082119

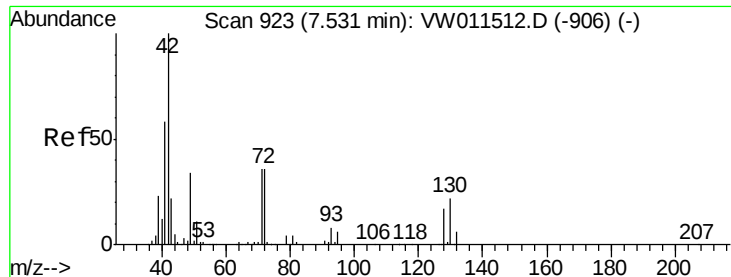
Tgt Ion: 43 Resp: 3361
Ion Ratio Lower Upper
43 100
74 9.8 15.9 23.9#



#20
Methylene Chloride
Concen: 9.303 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012107.D
Acq: 22 Aug 2019 13:42

Tgt Ion: 84 Resp: 25579
Ion Ratio Lower Upper
84 100
49 146.7 117.8 176.6
51 47.3 37.0 55.4
86 63.2 51.8 77.8

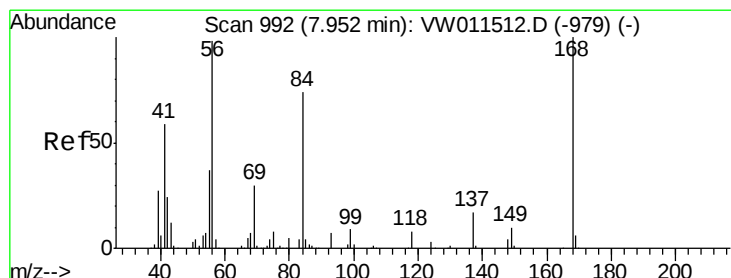
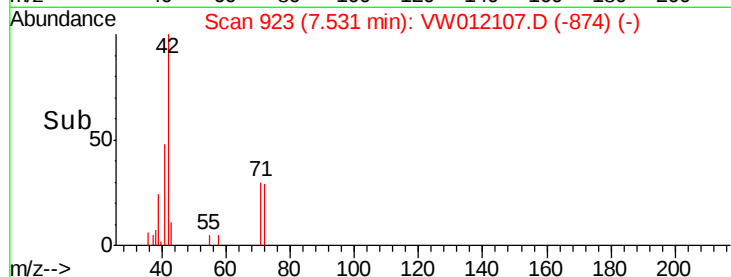
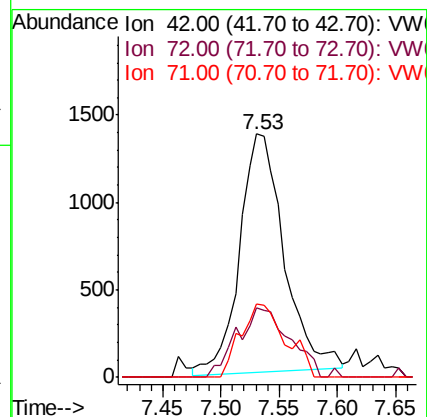
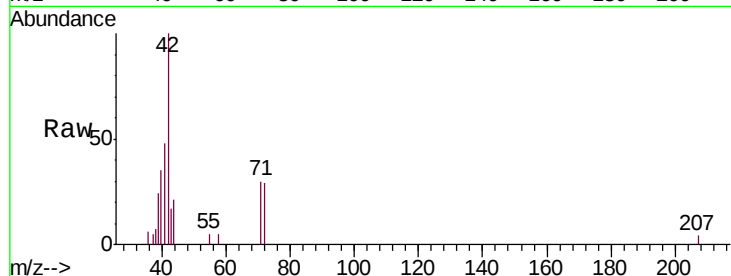




#29
Tetrahydrofuran
Concen: 6.082 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012107.D
Acq: 22 Aug 2019 13:42

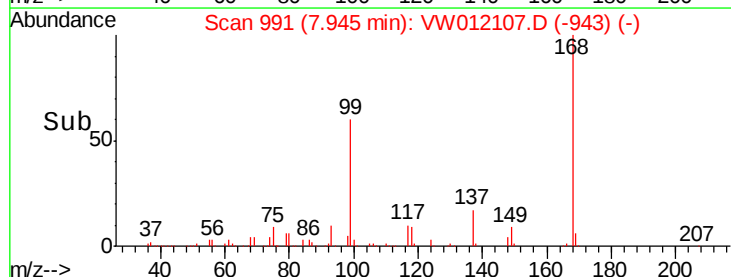
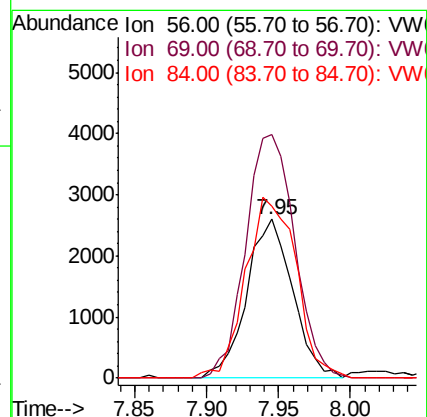
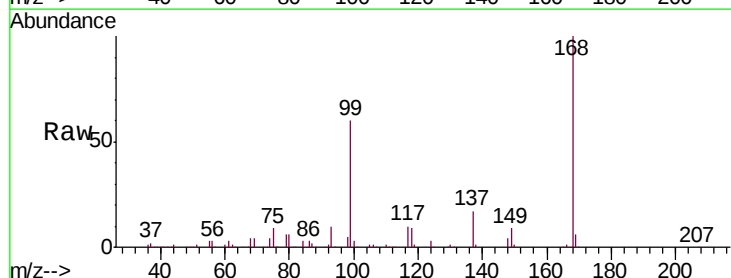
Instrument :
MSVOA_W
ClientSampleId :
HD-02-082119

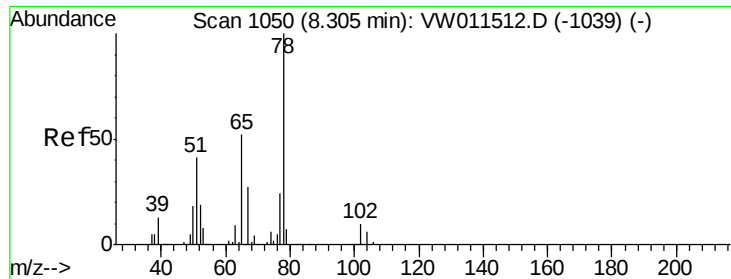
Tgt Ion: 42 Resp: 3627
Ion Ratio Lower Upper
42 100
72 34.2 27.1 40.7
71 30.8 26.2 39.4



#31
Cyclohexane
Concen: 1.226 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012107.D
Acq: 22 Aug 2019 13:42

Tgt Ion: 56 Resp: 5746
Ion Ratio Lower Upper
56 100
69 153.4 24.3 36.5#
84 108.3 60.4 90.6#

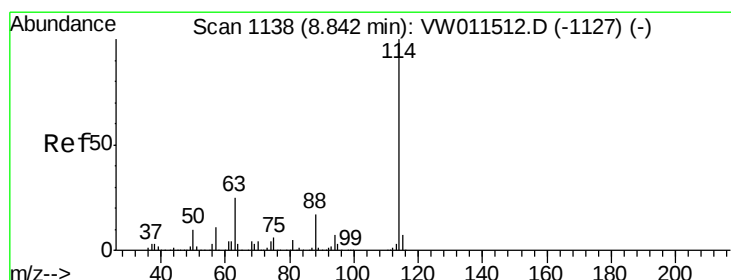
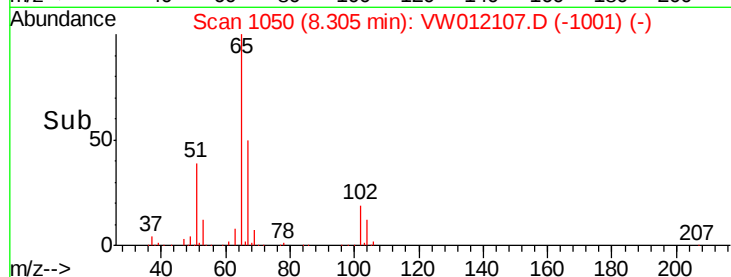
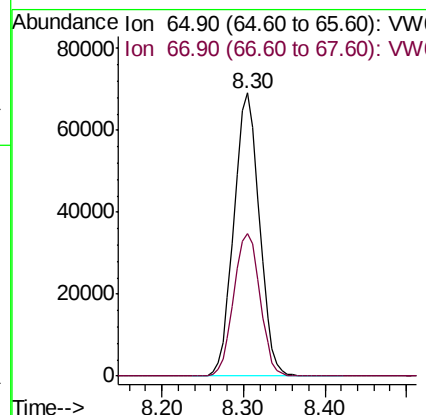
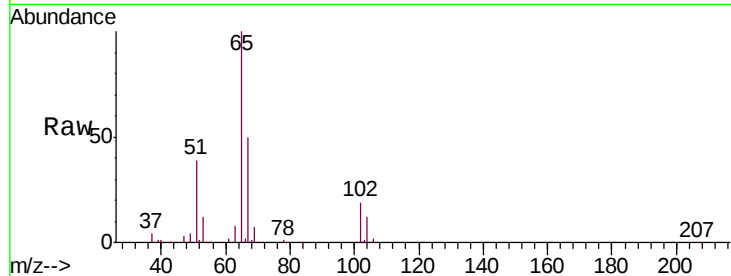




#33
 1,2-Dichloroethane-d4
 Concen: 59.251 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012107.D
 Acq: 22 Aug 2019 13:42

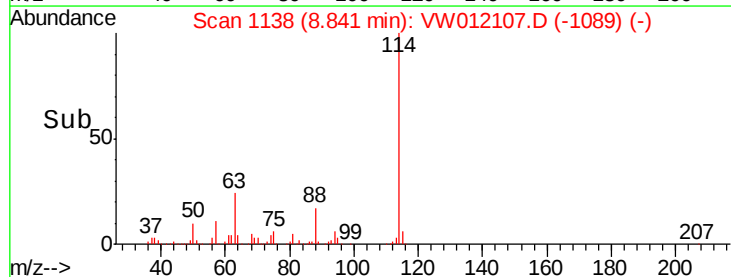
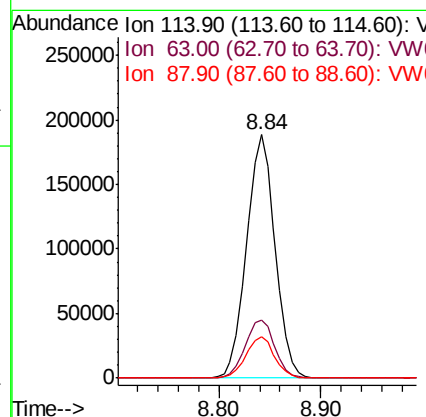
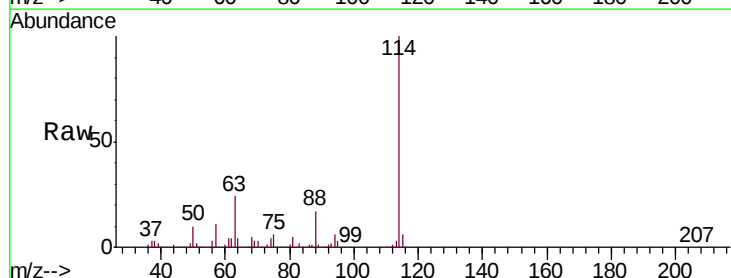
Instrument :
 MSVOA_W
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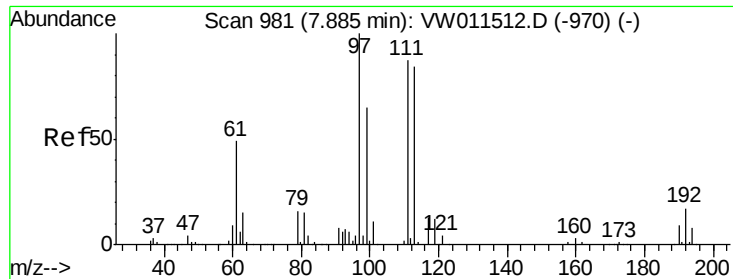
Tgt Ion: 65 Resp: 148500
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012107.D
 Acq: 22 Aug 2019 13:42

Tgt Ion: 114 Resp: 365123
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 49.2
 88 16.8 0.0 33.8

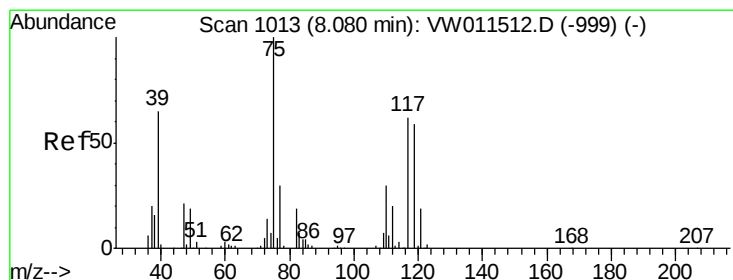
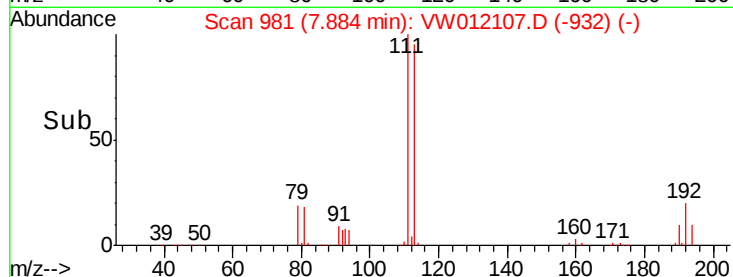
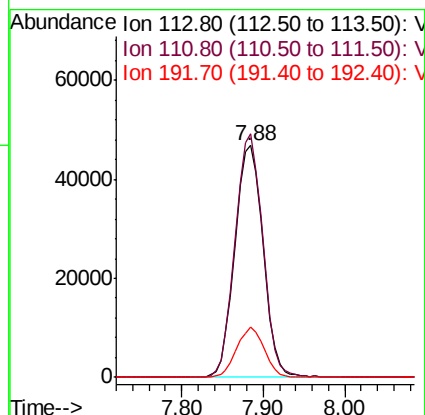
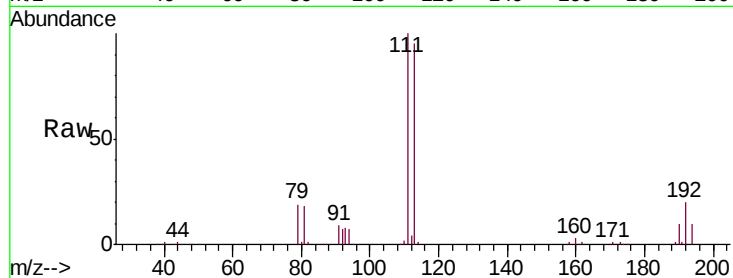




#35
 Dibromofluoromethane
 Concen: 54.742 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012107.D
 Acq: 22 Aug 2019 13:42

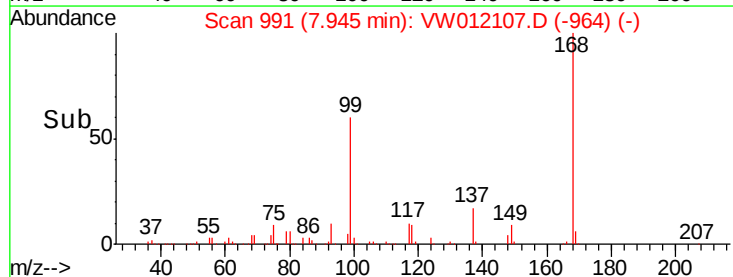
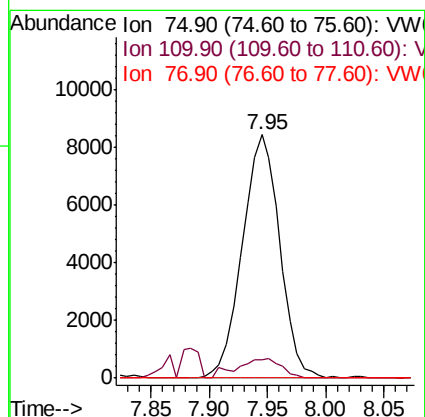
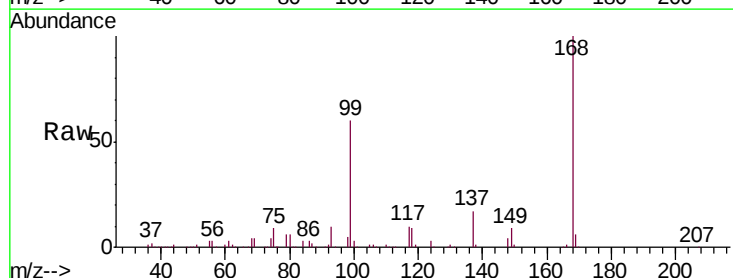
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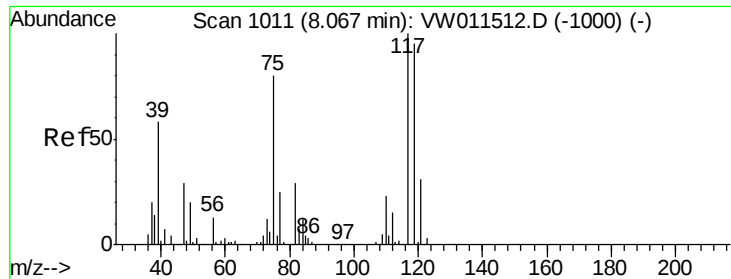
Tgt Ion:113 Resp: 112134
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.7 124.1
 192 20.9 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.988 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012107.D
 Acq: 22 Aug 2019 13:42

Tgt Ion: 75 Resp: 18936
 Ion Ratio Lower Upper
 75 100
 110 9.5 15.6 46.8#
 77 0.0 24.3 36.5#

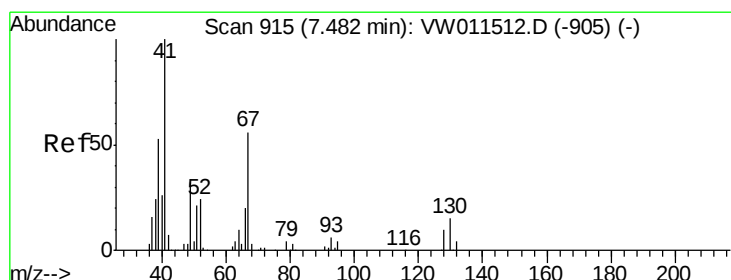
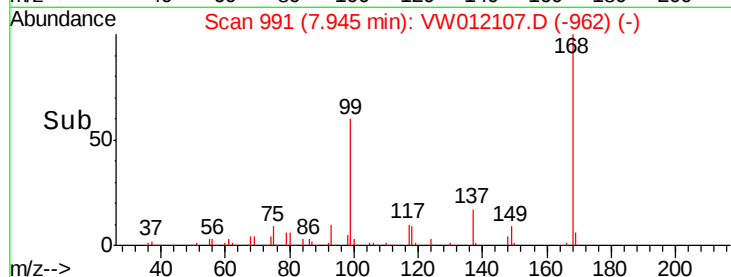
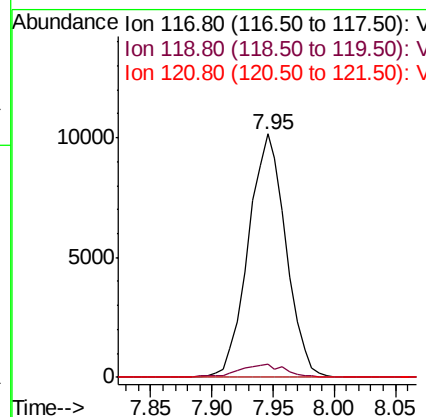
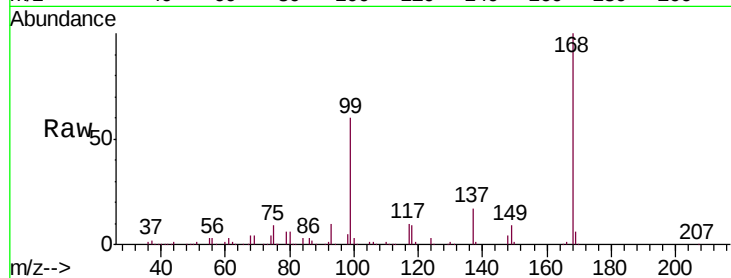




#38
Carbon Tetrachloride
Concen: 6.667 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012107.D
Acq: 22 Aug 2019 13:42

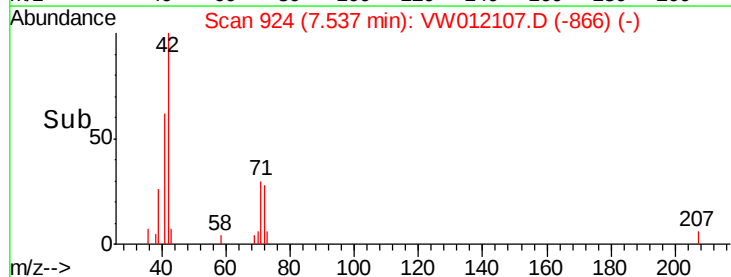
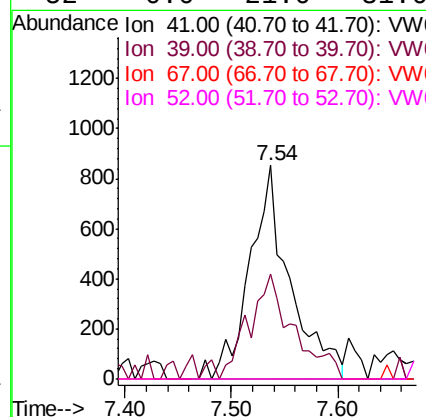
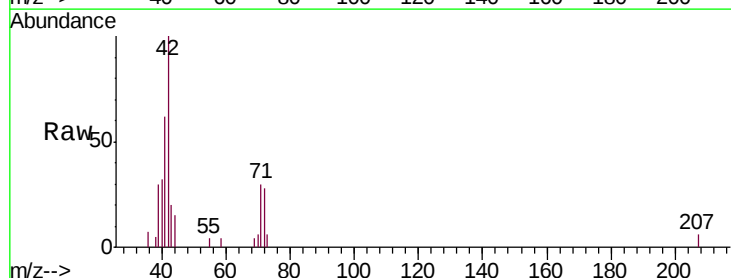
Instrument :
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ClientSampled :
HD-02-082119

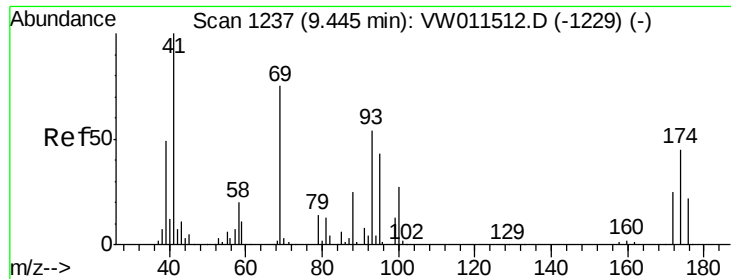
Tgt Ion:117 Resp: 21669
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.6#
121 0.0 24.7 37.1#



#41
Methacrylonitrile
Concen: 1.727 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012107.D
Acq: 22 Aug 2019 13:42

Tgt Ion: 41 Resp: 2255
Ion Ratio Lower Upper
41 100
39 53.8 43.0 64.4
67 0.0 47.5 71.3#
52 0.0 21.0 31.6#

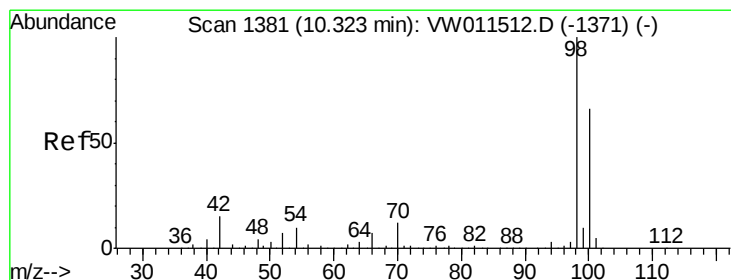
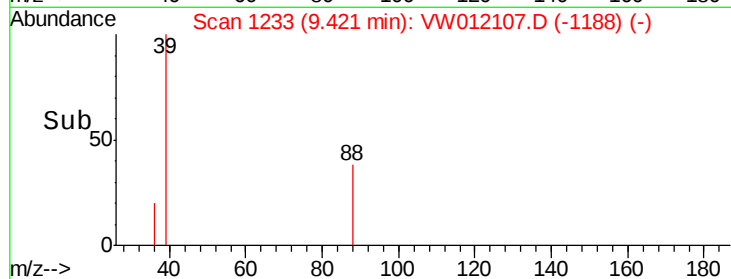
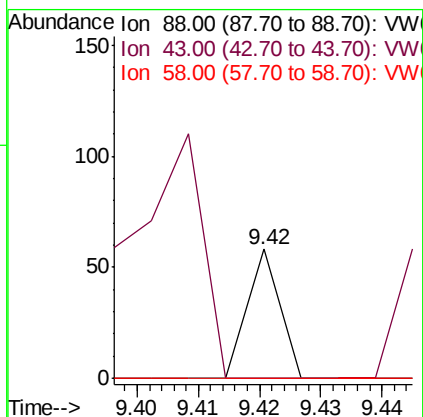
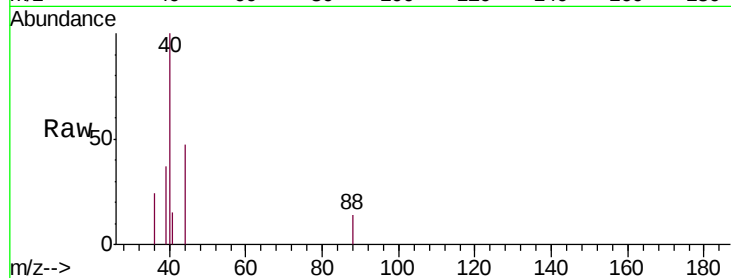




#49
 1,4-Dioxane
 Concen: 1.117 ug/l
 RT: 9.42 min Scan# 1233
 Delta R.T. -0.02 min
 Lab File: VW012107.D
 Acq: 22 Aug 2019 13:42

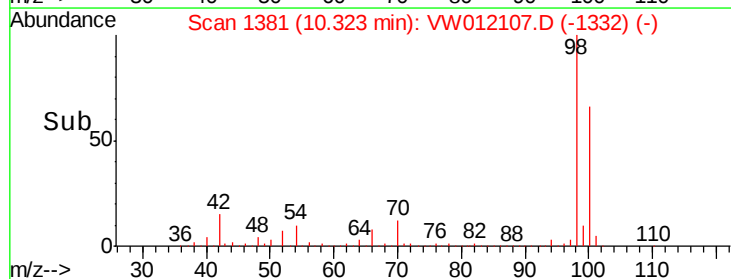
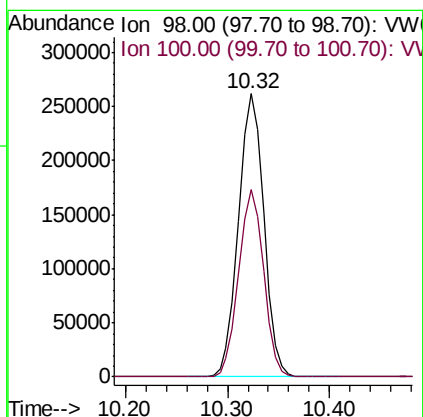
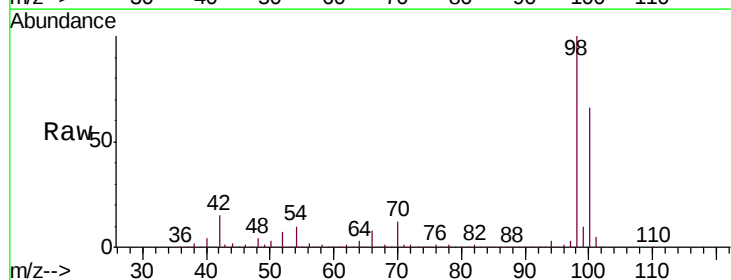
Instrument :
 MSVOA_W
 ClientSampled :
 HD-02-082119

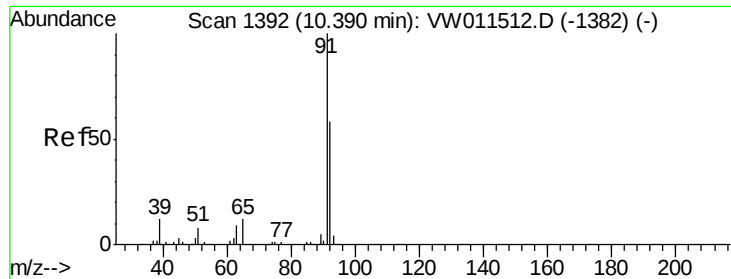
Tgt Ion: 88 Resp: 21
 Ion Ratio Lower Upper
 88 100
 43 0.0 34.0 51.0#
 58 0.0 69.7 104.5#



#50
 Toluene-d8
 Concen: 53.786 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012107.D
 Acq: 22 Aug 2019 13:42

Tgt Ion: 98 Resp: 451090
 Ion Ratio Lower Upper
 98 100
 100 65.3 52.7 79.1





#52

Toluene

Concen: 1.802 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012107.D

Acq: 22 Aug 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

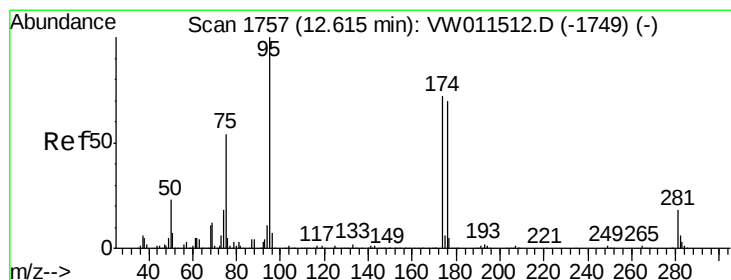
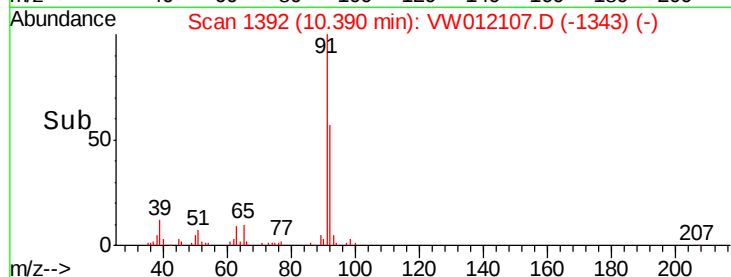
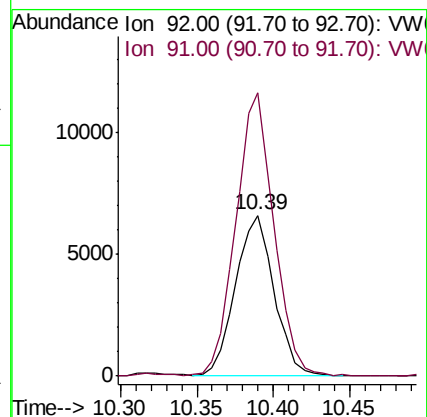
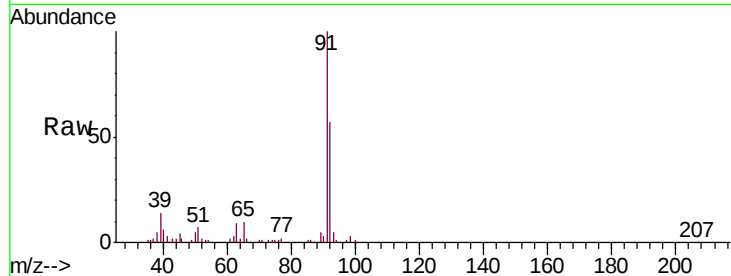
HD-02-082119

Tgt Ion: 92 Resp: 11572

Ion Ratio Lower Upper

92 100

91 173.4 136.7 205.1



#62

4-Bromofluorobenzene

Concen: 50.436 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012107.D

Acq: 22 Aug 2019 13:42

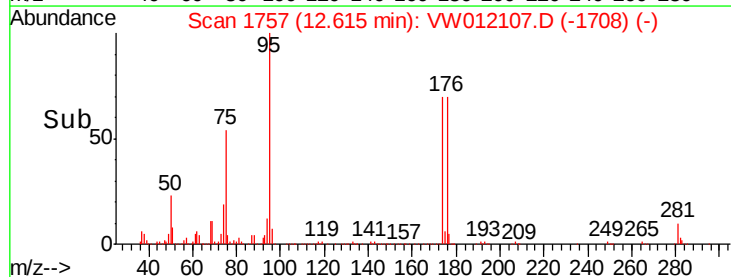
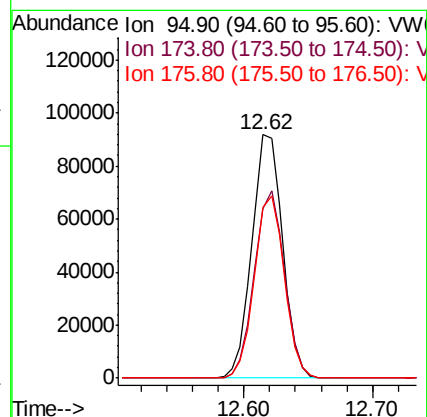
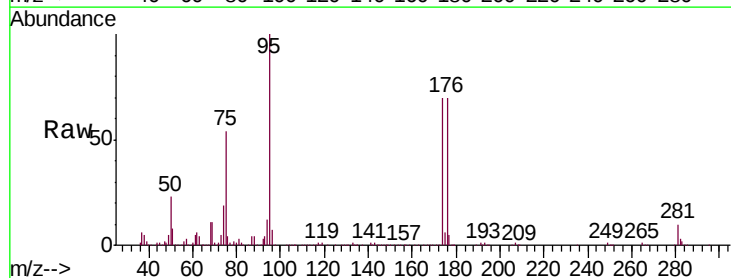
Tgt Ion: 95 Resp: 150807

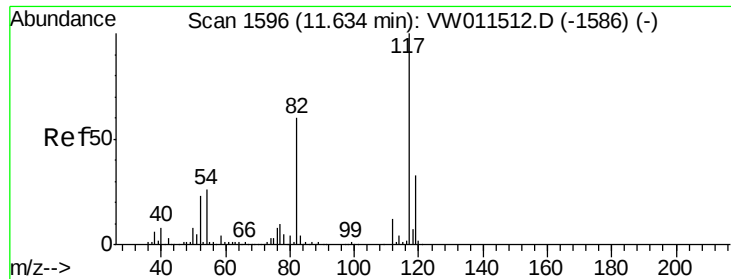
Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.2

176 73.2 0.0 144.4

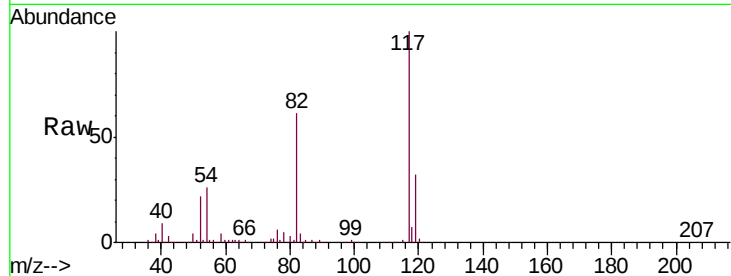




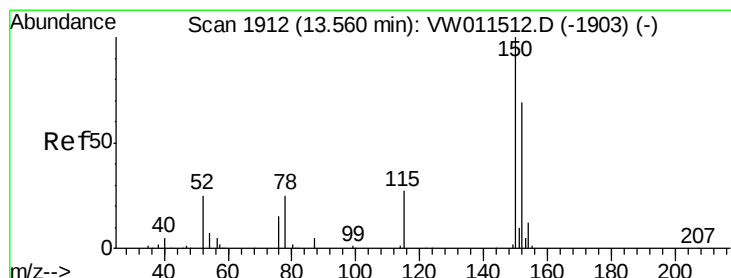
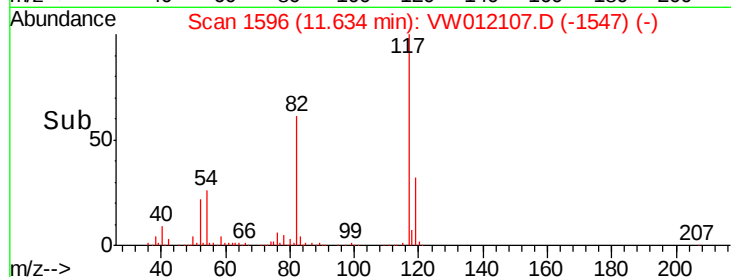
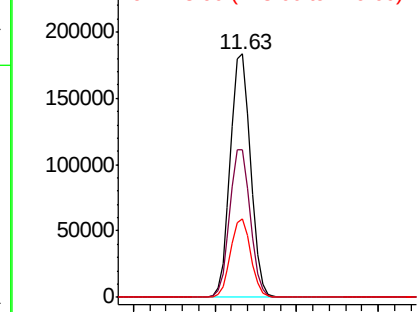
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012107.D
Acq: 22 Aug 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
HD-02-082119

Tgt Ion:117 Resp: 313655
Ion Ratio Lower Upper
117 100
82 60.7 47.9 71.9
119 32.4 26.2 39.2

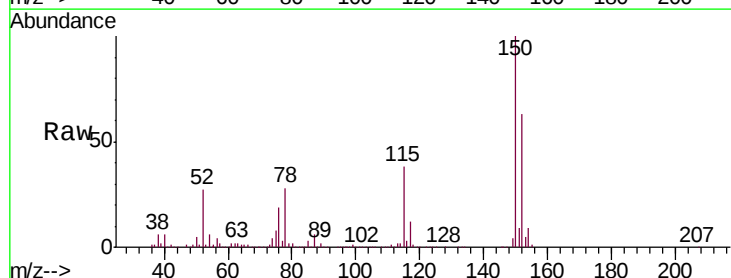


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

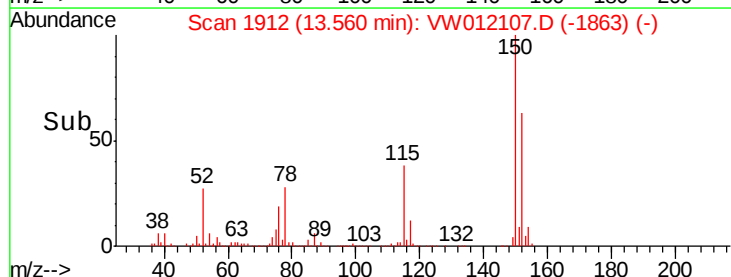
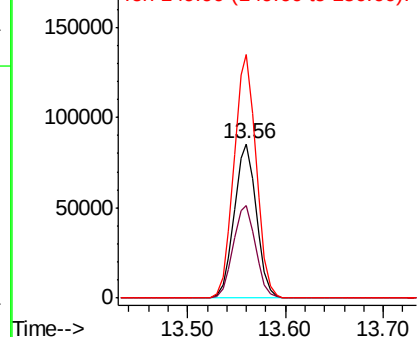


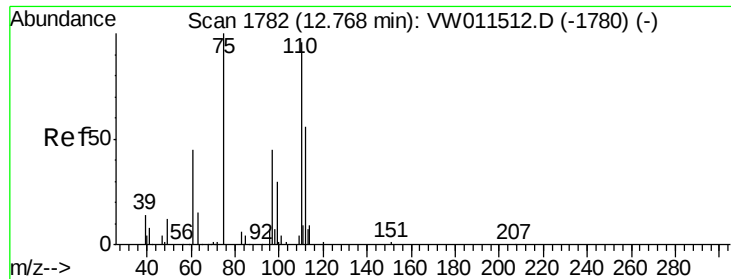
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012107.D
Acq: 22 Aug 2019 13:42

Tgt Ion:152 Resp: 133499
Ion Ratio Lower Upper
152 100
115 61.2 30.5 91.5
150 158.6 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

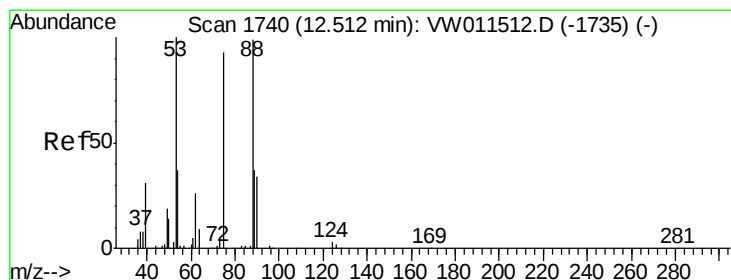
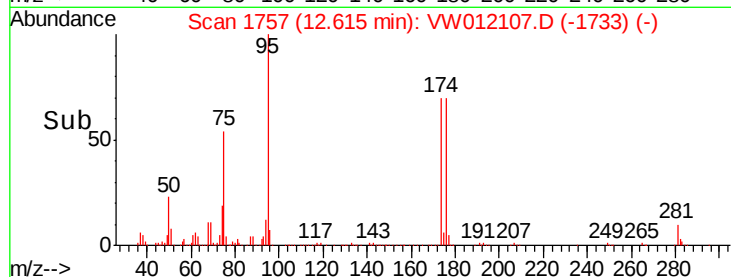
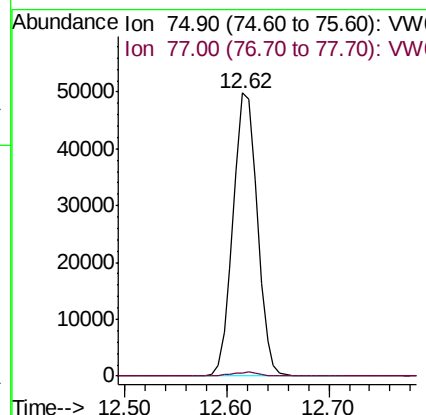
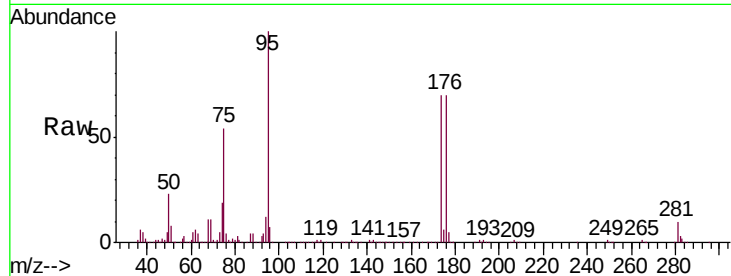




#76
 1,2,3-Trichloropropane
 Concen: 57.928 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012107.D
 Acq: 22 Aug 2019 13:42

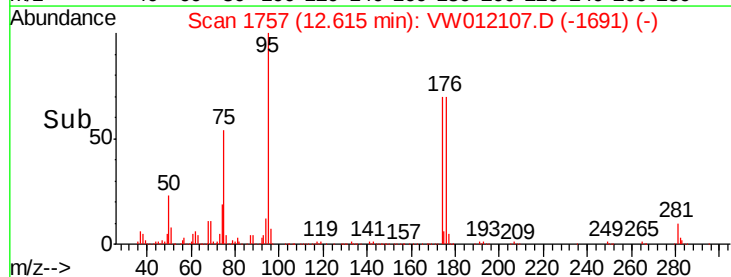
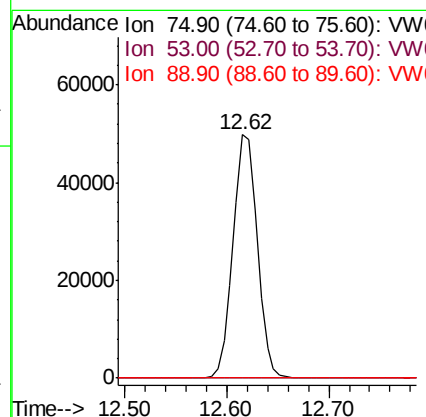
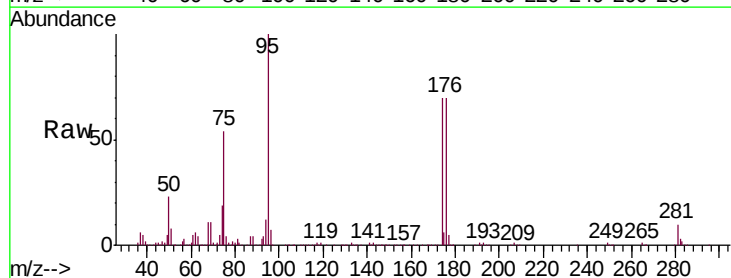
Instrument :
 MSVOA_W
 ClientSampleID :
 HD-02-082119

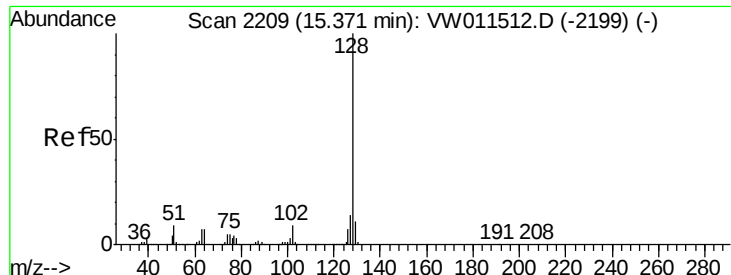
Tgt Ion: 75 Resp: 81828
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.505 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012107.D
 Acq: 22 Aug 2019 13:42

Tgt Ion: 75 Resp: 81828
 Ion Ratio Lower Upper
 75 100
 53 0.2 88.0 132.0#
 89 0.1 35.3 52.9#

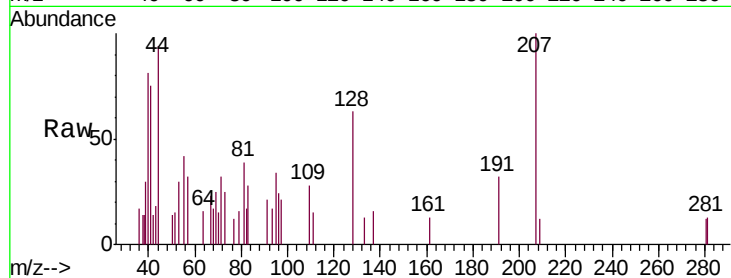




#95
Naphthalene
Concen: 2.133 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW012107.D
Acq: 22 Aug 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
HD-02-082119

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0
129	6.8	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

