

Data File : VW014992.D
Acq On : 14 Feb 2020 12:52
Operator : SY/VA
Sample : MDL05
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MDL05

Quant Time: Feb 15 02:02:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Feb 15 01:59:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	728878	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	680023	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	269214	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	369398	25.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.64%
7) Chloroethane-d5	2.89	69	277992	24.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	4.02	63	497394	18.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.56%
21) 2-Butanone-d5	7.07	46	186880	45.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.36%
24) Chloroform-d	7.65	84	579055	24.73	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.92%
26) 1,2-Dichloroethane-d4	8.31	65	350914	25.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	8.27	84	1179226	25.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.92%
36) 1,2-Dichloropropane-d6	9.27	67	404478	25.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.64%
41) Toluene-d8	10.32	98	992761	25.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.72%
43) trans-1,3-Dichloropropene-	10.58	79	144754	24.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.72%
47) 2-Hexanone-d5	10.92	63	130377	46.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.02%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	279927	23.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.20%
66) 1,2-Dichlorobenzene-d4	13.85	152	269791	26.63	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.52%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.02	85	5010	0.692 ug/L #	73
3) Chloromethane	2.21	50	17093	1.255 ug/L	99
6) Bromomethane	2.78	94	8992	1.131 ug/L	98
9) Trichlorofluoromethane	3.25	101	7258	1.048 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	12449	1.099 ug/L #	54
12) 1,1-Dichloroethene	4.04	96	15626	1.439 ug/L #	1
13) Acetone	4.12	43	13731	3.215 ug/L	99
14) Carbon disulfide	4.38	76	43843	1.116 ug/L	99
16) Methylene chloride	4.92	84	40660	3.019 ug/L	92
17) trans-1,2-Dichloroethene	5.42	96	6268	0.572 ug/L	86
18) Methyl tert-butyl Ether	5.42	73	14959	1.106 ug/L #	81
19) 1,1-Dichloroethane	6.21	63	28186	1.151 ug/L	99
20) cis-1,2-Dichloroethene	7.17	96	12672	1.122 ug/L	97
23) Bromochloromethane	7.51	128	5562	1.214 ug/L	85
27) 1,2-Dichloroethane	8.40	62	20208	1.261 ug/L #	88
29) Cyclohexane	7.95	56	21615	0.975 ug/L	96
30) 1,1,1-Trichloroethane	7.87	97	19598	1.185 ug/L	97

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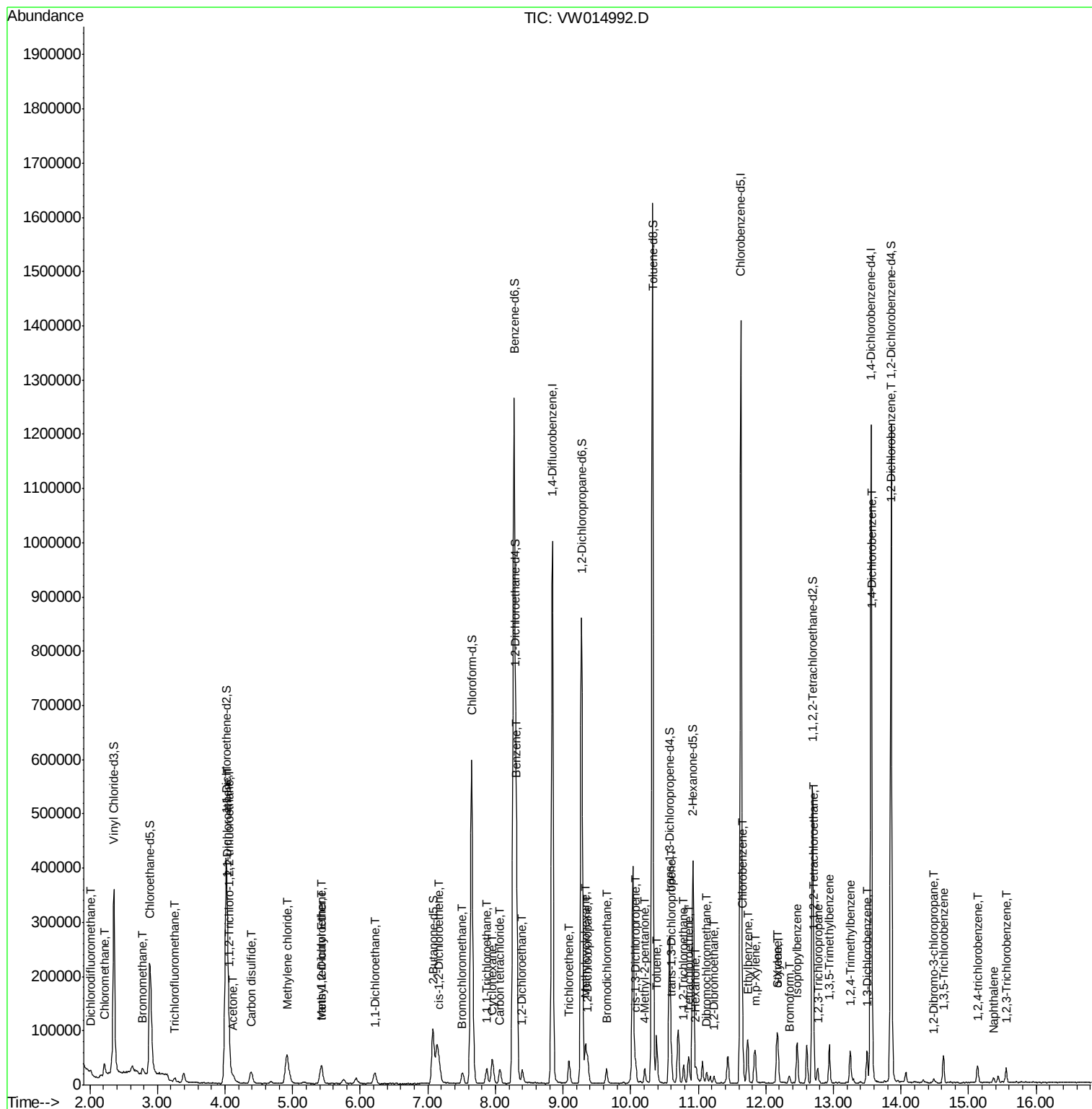
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
31) Carbon tetrachloride	8.06	117	17647	1.184	ug/L	97
33) Benzene	8.32	78	59524	1.192	ug/L	100
34) Trichloroethene	9.09	95	14159	1.184	ug/L	97
35) Methylcyclohexane	9.33	83	21598	1.047	ug/L	98
37) 1,2-Dichloropropane	9.37	63	16202	1.162	ug/L	100
38) Bromodichloromethane	9.64	83	17667	1.125	ug/L	97
39) cis-1,3-Dichloropropene	10.07	75	19737	1.058	ug/L	90
40) 4-Methyl-2-pentanone	10.21	43	20451	2.060	ug/L	96
42) Toluene	10.39	91	59189	1.227	ug/L	100
44) trans-1,3-Dichloropropene	10.60	75	23395	1.512	ug/L	96
45) 1,1,2-Trichloroethane	10.78	97	10136	1.198	ug/L	91
46) Tetrachloroethene	10.87	164	9298	1.197	ug/L	80
48) 2-Hexanone	10.97	43	16391	2.266	ug/L	99
49) Dibromochloromethane	11.13	129	9874	1.120	ug/L	90
50) 1,2-Dibromoethane	11.23	107	8530	1.119	ug/L #	99
51) Chlorobenzene	11.66	112	33675	1.183	ug/L	95
52) Ethylbenzene	11.73	91	54272	1.033	ug/L	97
53) m,p-Xylene	11.84	106	17721	0.961	ug/L	95
54) o-Xylene	12.16	106	15129	0.874	ug/L	96
55) Styrene	12.18	104	24942	0.836	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.71	83	13420	1.186	ug/L #	93
59) Bromoform	12.35	173	4602	1.118	ug/L	95
60) Isopropylbenzene	12.46	105	40120	0.952	ug/L	97
61) 1,2,3-Trichloropropane	12.77	75	9751	1.236	ug/L #	92
62) 1,3,5-Trimethylbenzene	12.94	105	30902	0.920	ug/L	99
63) 1,2,4-Trimethylbenzene	13.25	105	29835	0.908	ug/L	100
64) 1,3-Dichlorobenzene	13.50	146	19419	1.118	ug/L	98
65) 1,4-Dichlorobenzene	13.57	146	22408	1.251	ug/L	98
67) 1,2-Dichlorobenzene	13.87	146	20597	1.281	ug/L #	90
68) 1,2-Dibromo-3-chloropropan	14.49	75	2233	1.353	ug/L #	89
69) 1,3,5-Trichlorobenzene	14.63	180	13221	1.136	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	8364	0.958	ug/L	98
71) Naphthalene	15.36	128	6326	0.706	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.56	180	8049	0.995	ug/L	95

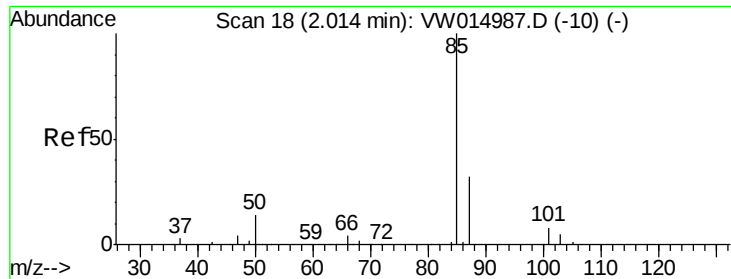
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#2

Dichlorodifluoromethane

Concen: 0.692 ug/L

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Instrument :

MSVOA_W

ClientSampleId :

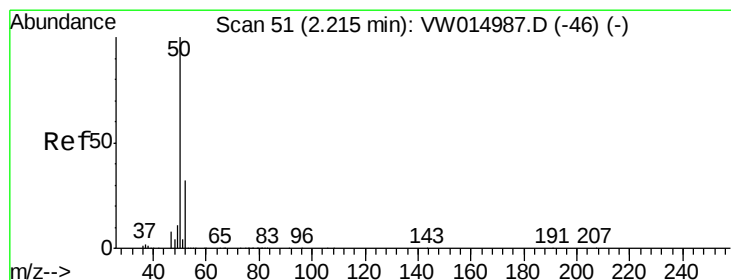
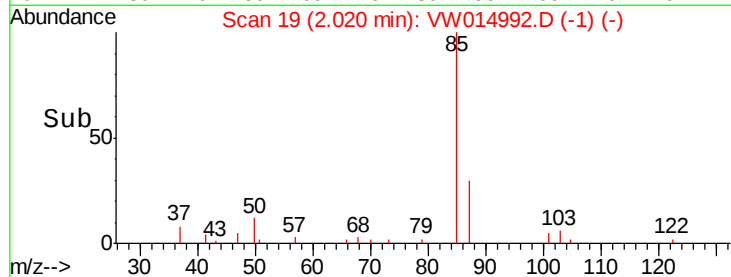
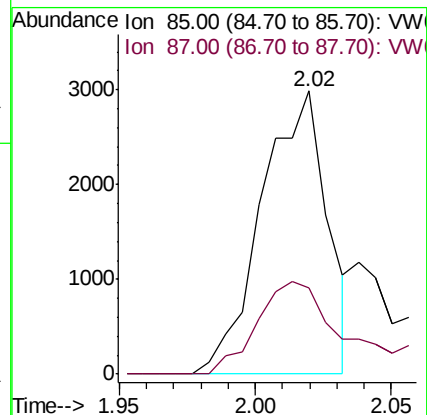
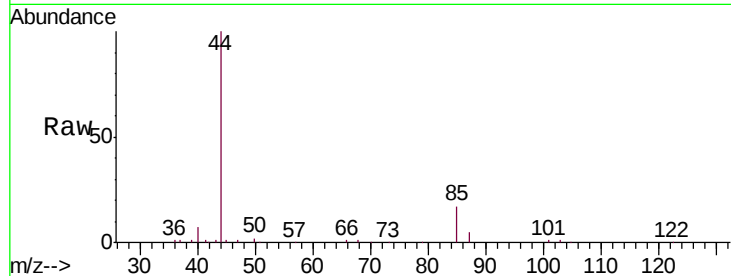
MDL05

Tgt Ion: 85 Resp: 5010

Ion Ratio Lower Upper

85 100

87 40.8 21.5 32.3#



#3

Chloromethane

Concen: 1.255 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014992.D

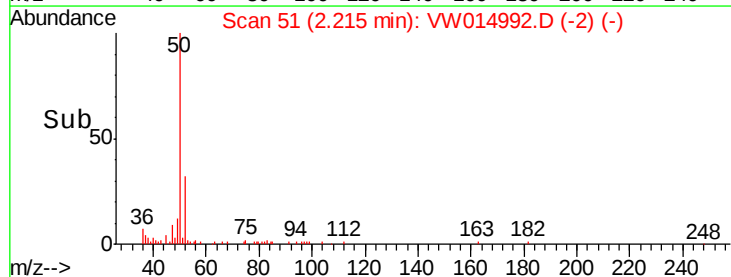
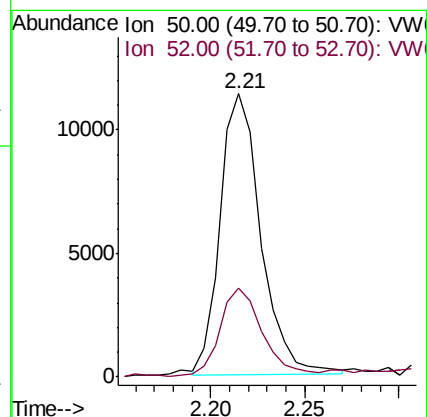
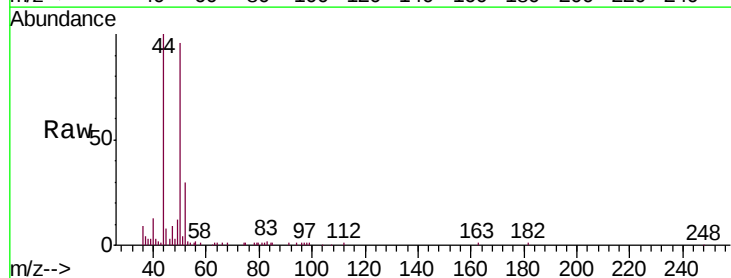
Acq: 14 Feb 2020 12:52

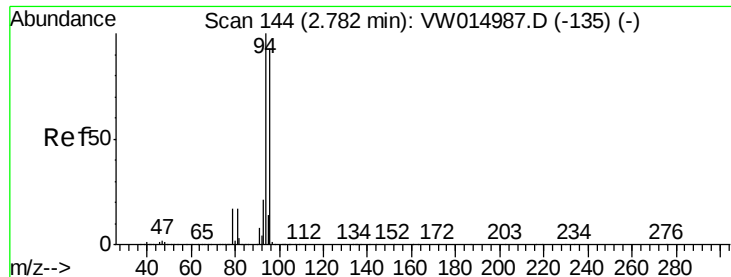
Tgt Ion: 50 Resp: 17093

Ion Ratio Lower Upper

50 100

52 31.5 22.3 41.3





#6

Bromomethane

Concen: 1.131 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Instrument :

MSVOA_W

ClientSampleId :

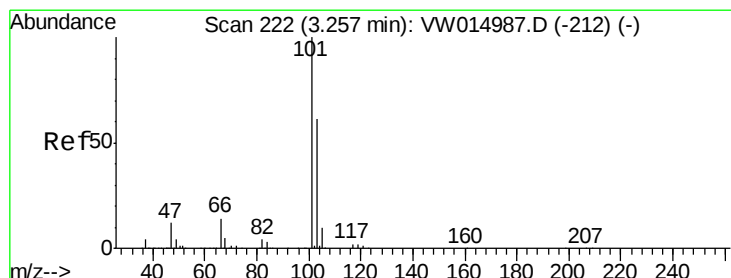
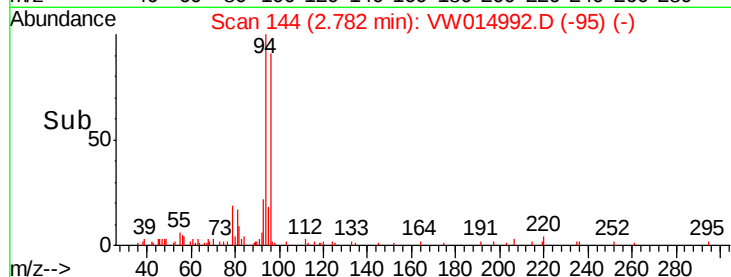
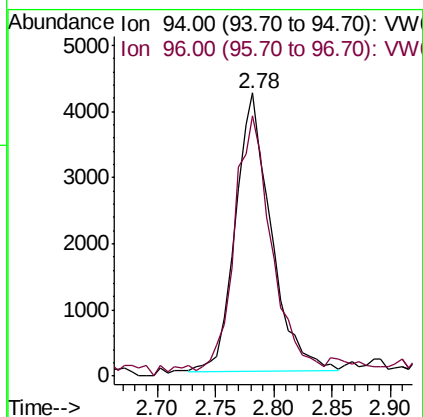
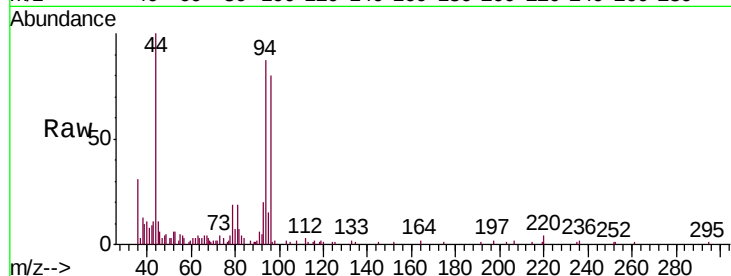
MDL05

Tgt Ion: 94 Resp: 8992

Ion Ratio Lower Upper

94 100

96 91.8 65.8 122.2



#9

Trichlorofluoromethane

Concen: 1.048 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW014992.D

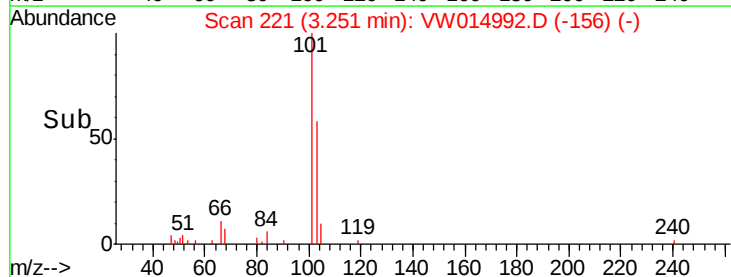
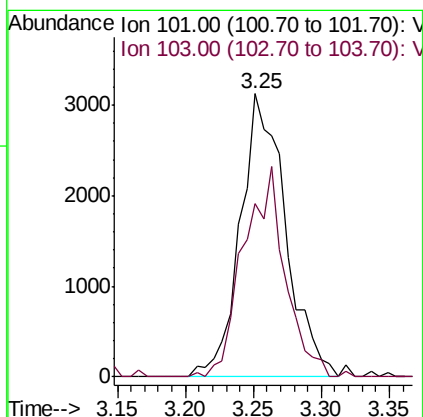
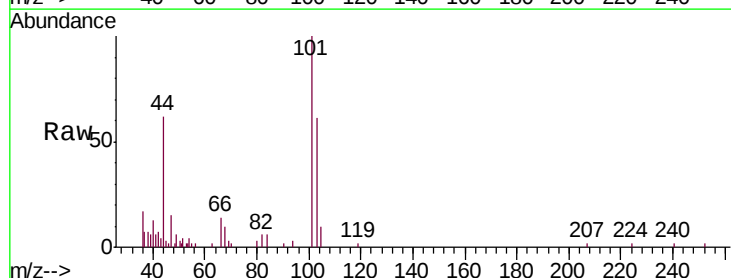
Acq: 14 Feb 2020 12:52

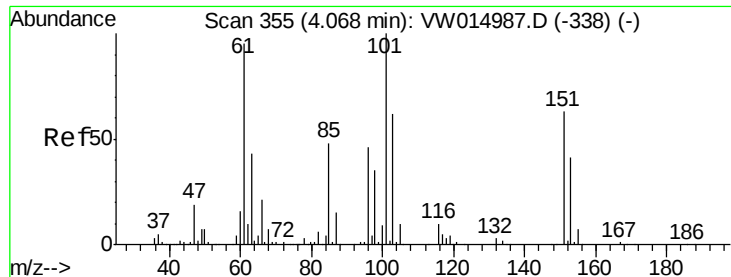
Tgt Ion: 101 Resp: 7258

Ion Ratio Lower Upper

101 100

103 68.1 51.5 77.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.099 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Instrument :

MSVOA_W

ClientSampleId :

MDL05

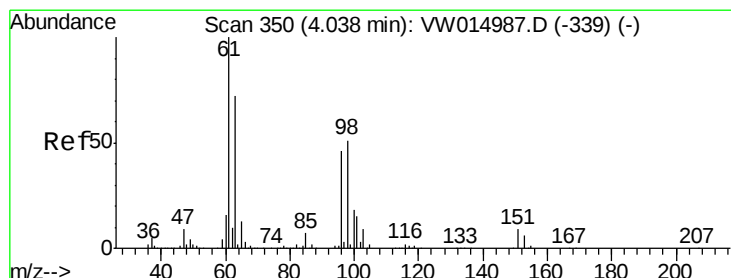
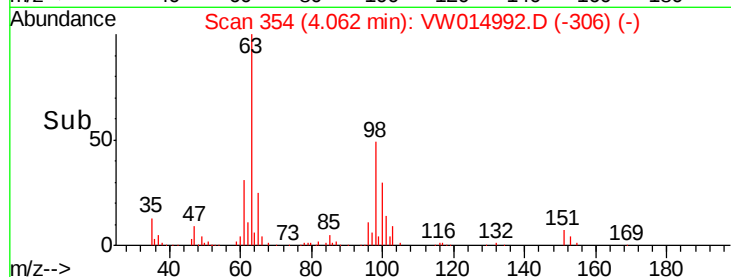
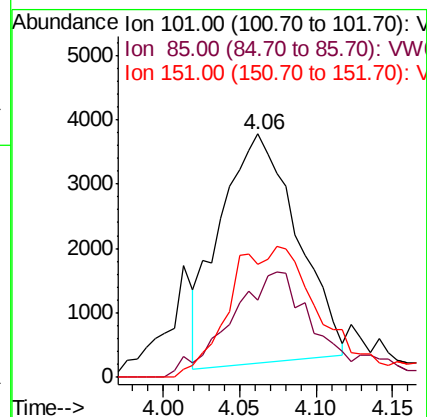
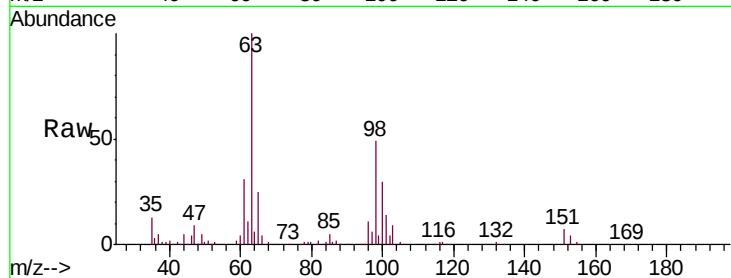
Tgt Ion: 101 Resp: 12449

Ion Ratio Lower Upper

101 100

85 18.1 36.5 54.7#

151 25.3 50.2 75.4#



#12

1,1-Dichloroethene

Concen: 1.439 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

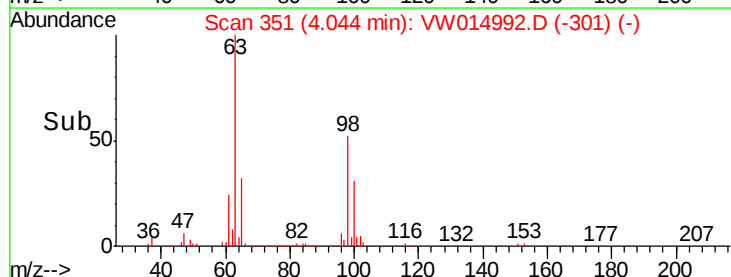
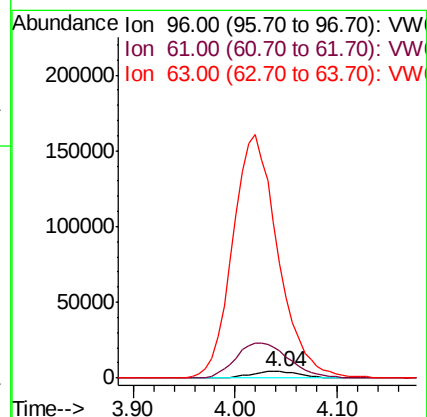
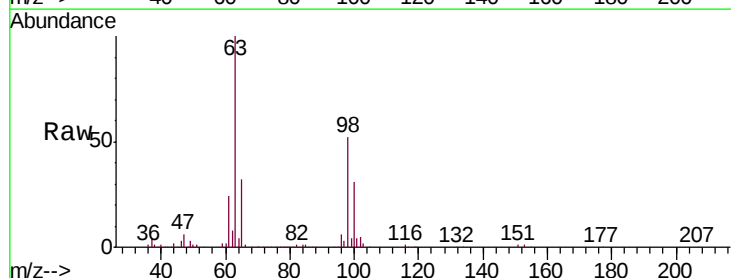
Tgt Ion: 96 Resp: 15626

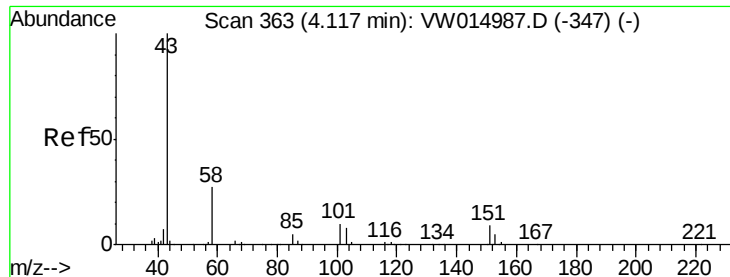
Ion Ratio Lower Upper

96 100

61 404.4 147.0 273.0#

63 1683.4 113.4 210.6#





#13

Acetone

Concen: 3.215 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Instrument :

MSVOA_W

ClientSampled :

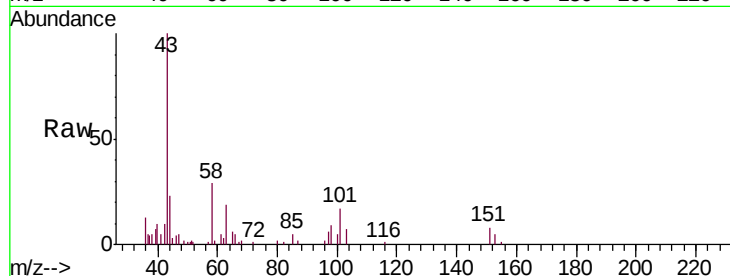
MDL05

Tgt Ion: 43 Resp: 13731

Ion Ratio Lower Upper

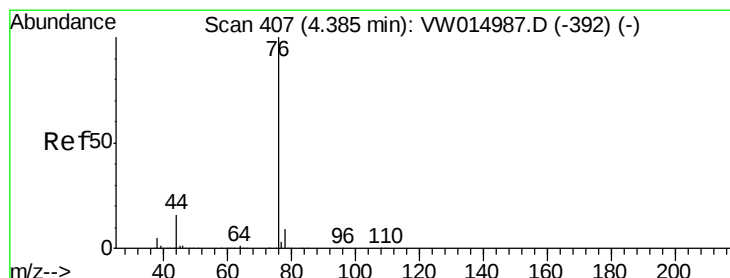
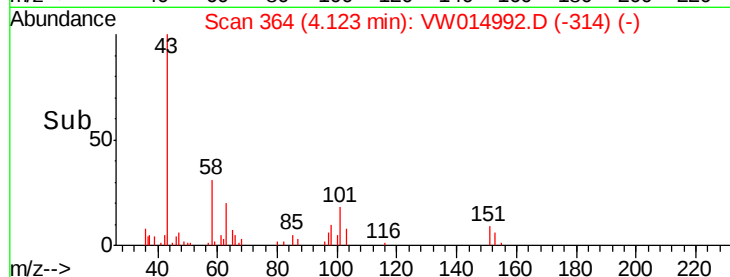
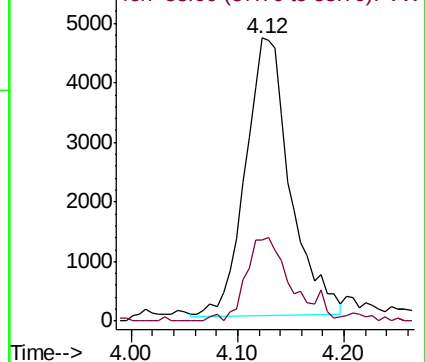
43 100

58 28.0 0.0 54.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 1.116 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014992.D

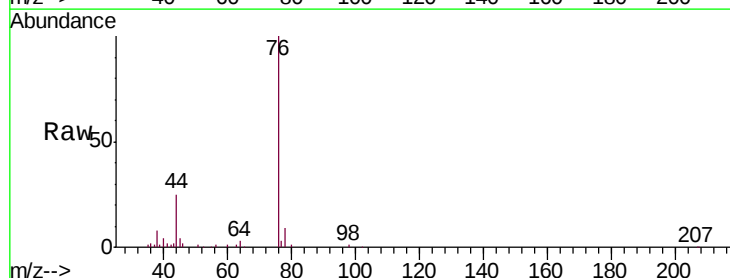
Acq: 14 Feb 2020 12:52

Tgt Ion: 76 Resp: 43843

Ion Ratio Lower Upper

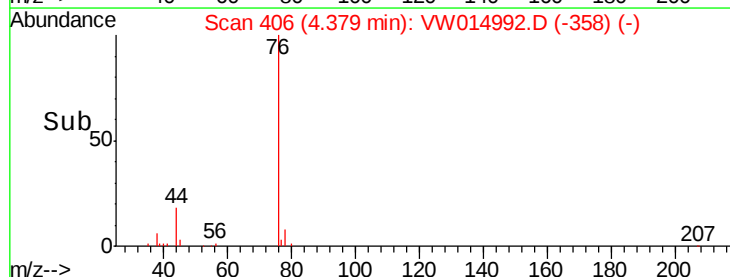
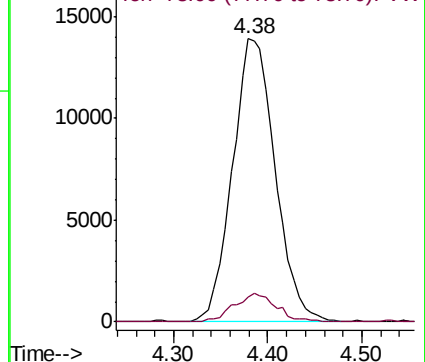
76 100

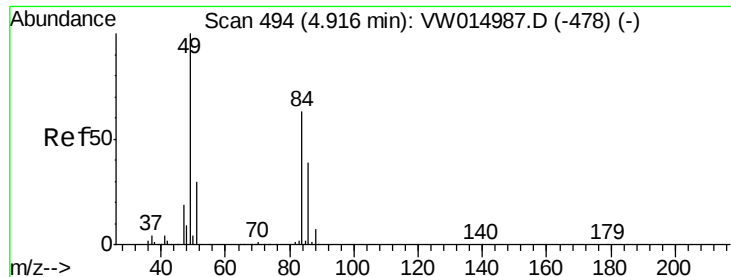
78 8.6 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

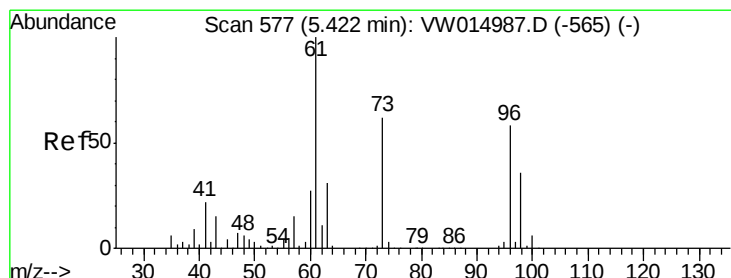
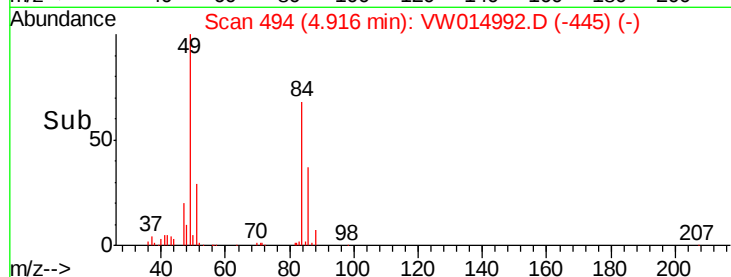
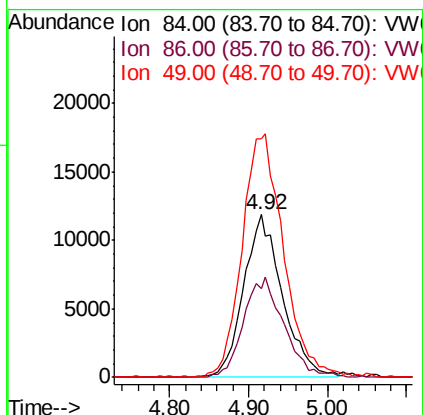
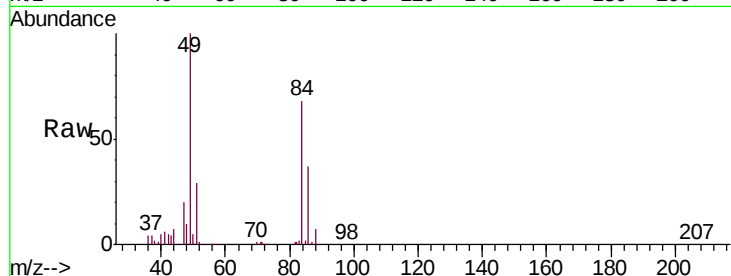




#16
Methylene chloride
Concen: 3.019 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW014992.D
Acq: 14 Feb 2020 12:52

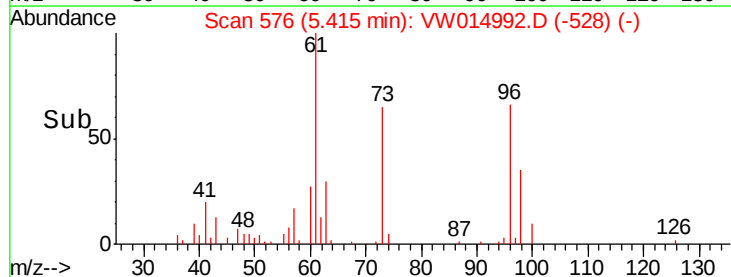
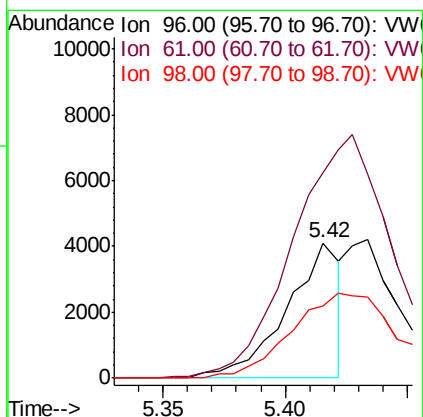
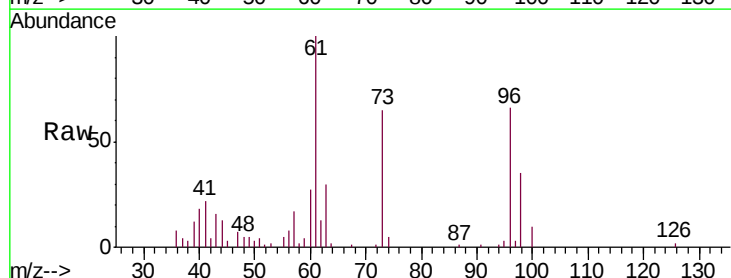
Instrument :
MSVOA_W
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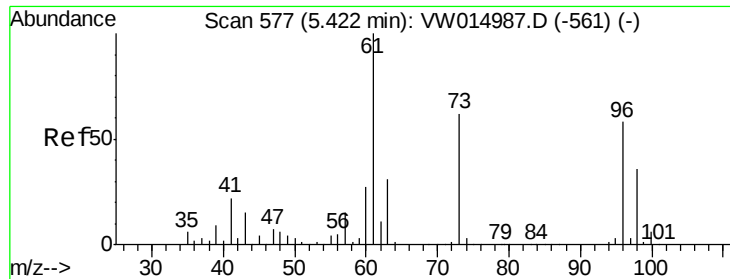
Tgt Ion: 84 Resp: 40660
Ion Ratio Lower Upper
84 100
86 54.5 44.4 82.4
49 146.7 109.0 202.4



#17
trans-1,2-Dichloroethene
Concen: 0.572 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014992.D
Acq: 14 Feb 2020 12:52

Tgt Ion: 96 Resp: 6268
Ion Ratio Lower Upper
96 100
61 151.6 120.1 223.1
98 52.9 43.8 81.3

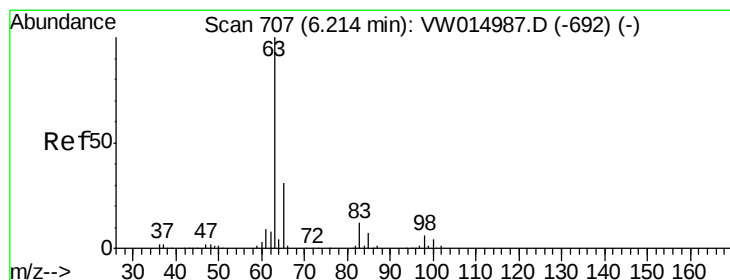
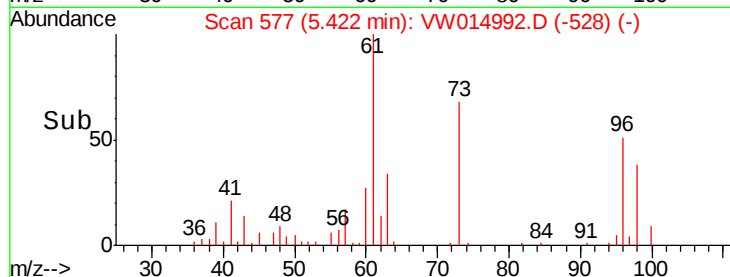
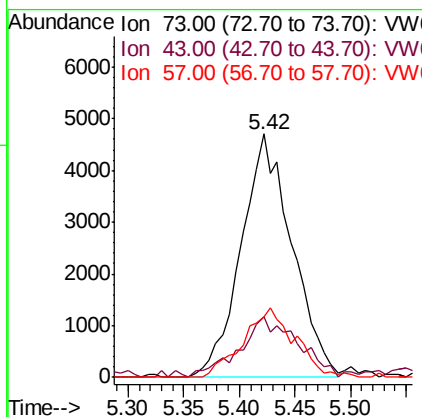
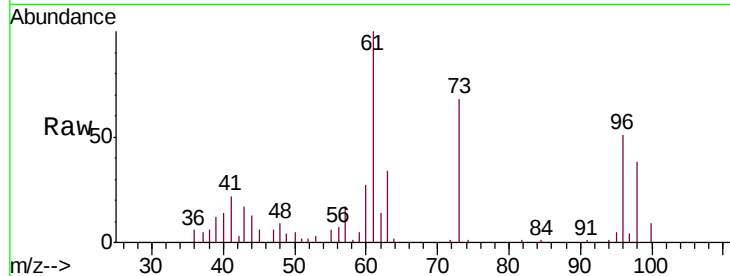




#18
Methyl tert-butyl Ether
Concen: 1.106 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014992.D
Acq: 14 Feb 2020 12:52

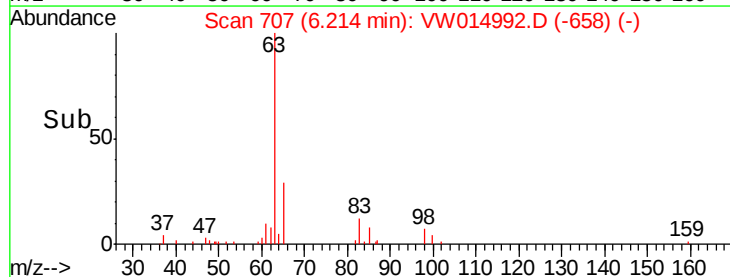
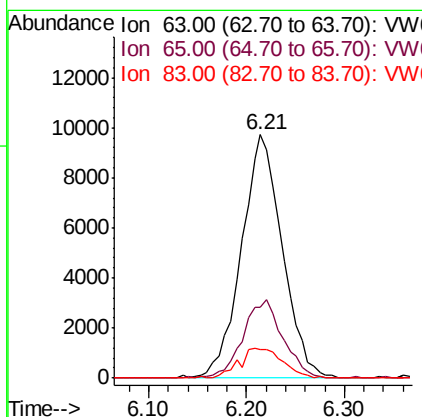
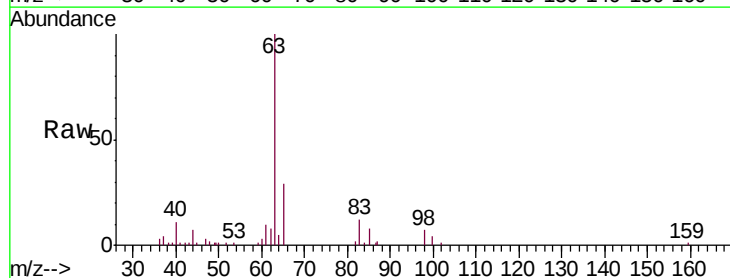
Instrument :
MSVOA_W
ClientSampled :
MDL05

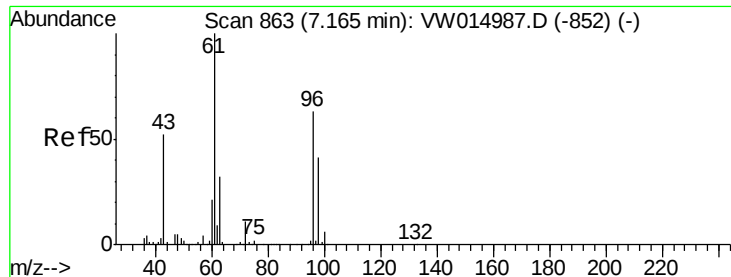
Tgt Ion: 73 Resp: 14959
Ion Ratio Lower Upper
73 100
43 7.9 19.6 29.4#
57 23.3 21.0 31.4



#19
1,1-Dichloroethane
Concen: 1.151 ug/L
RT: 6.21 min Scan# 707
Delta R.T. -0.00 min
Lab File: VW014992.D
Acq: 14 Feb 2020 12:52

Tgt Ion: 63 Resp: 28186
Ion Ratio Lower Upper
63 100
65 29.3 20.9 38.7
83 12.0 7.8 14.6

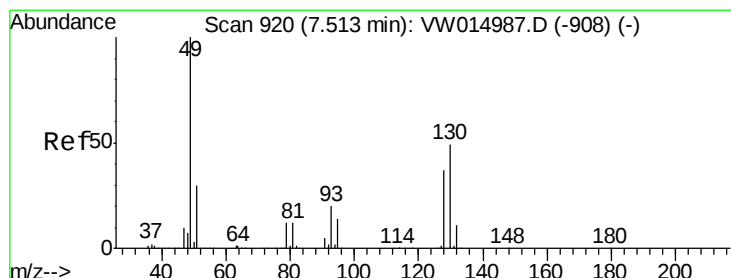
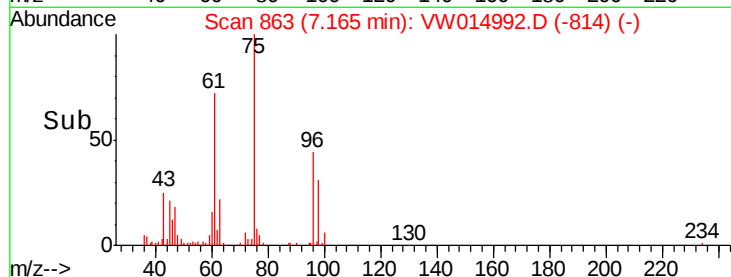
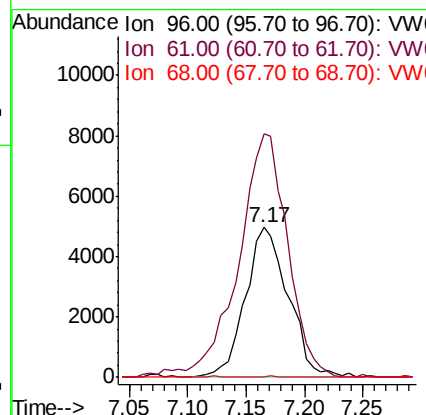
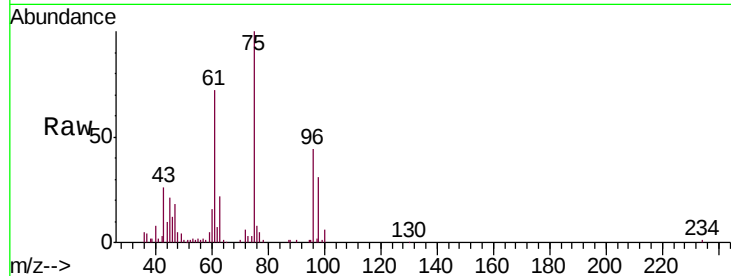




#20
 cis-1,2-Dichloroethene
 Concen: 1.122 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

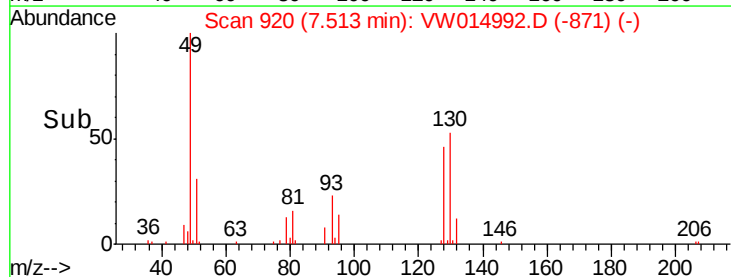
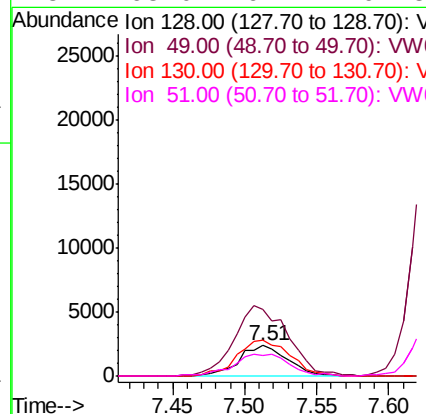
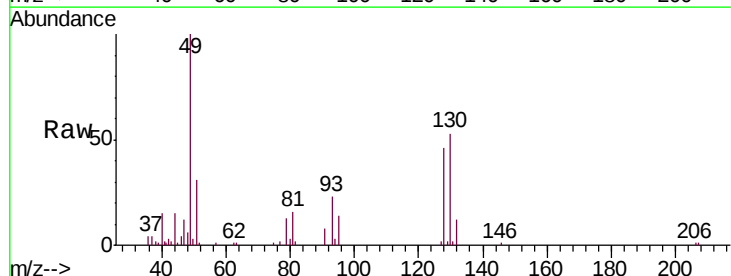
Instrument :
 MSVOA_W
 ClientSampled :
 MDL05

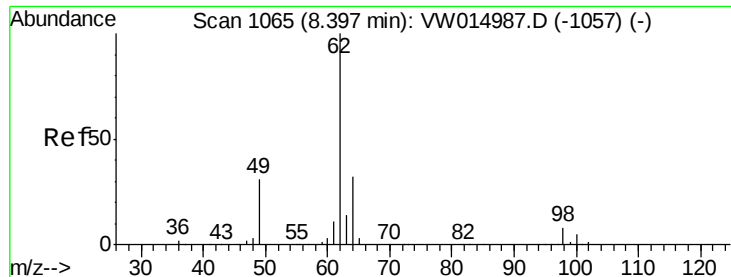
Tgt Ion: 96 Resp: 12672
 Ion Ratio Lower Upper
 96 100
 61 162.8 111.5 207.1
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 1.214 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

Tgt Ion: 128 Resp: 5562
 Ion Ratio Lower Upper
 128 100
 49 218.2 179.0 332.4
 130 116.7 85.5 158.7
 51 68.0 61.7 92.5

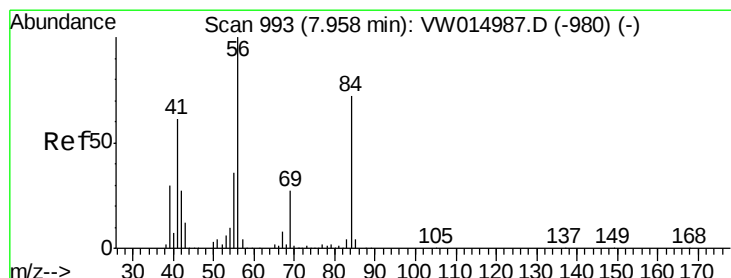
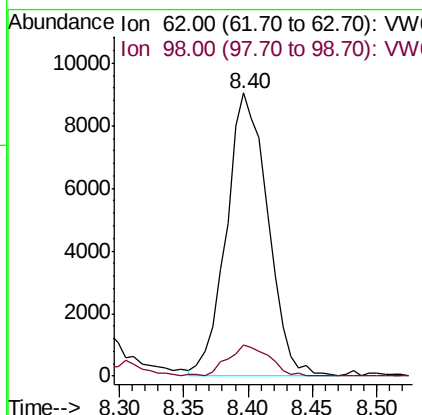
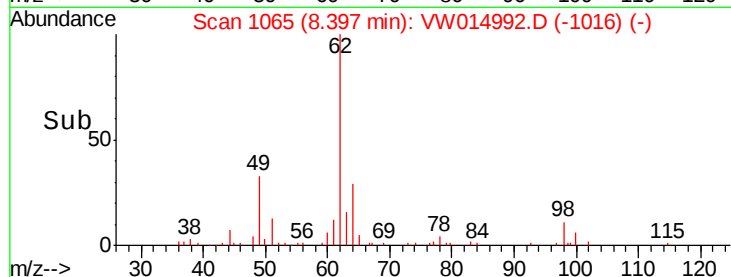
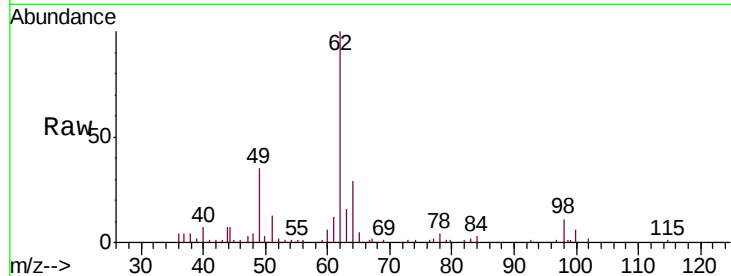




#27
 1,2-Dichloroethane
 Concen: 1.261 ug/L
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

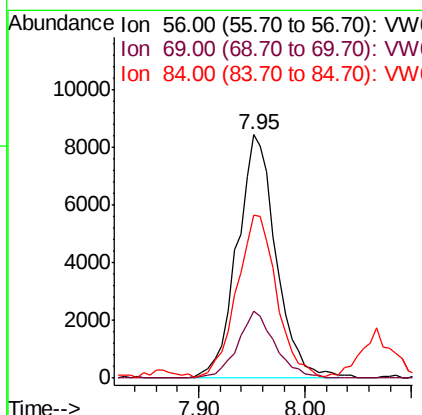
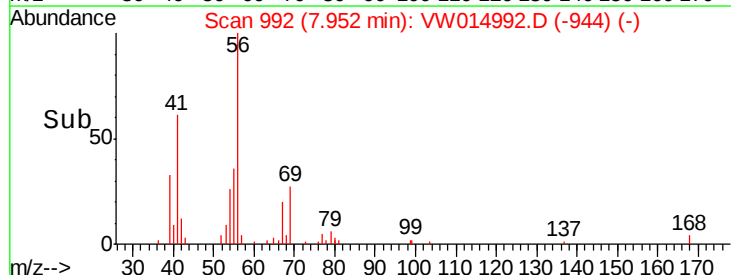
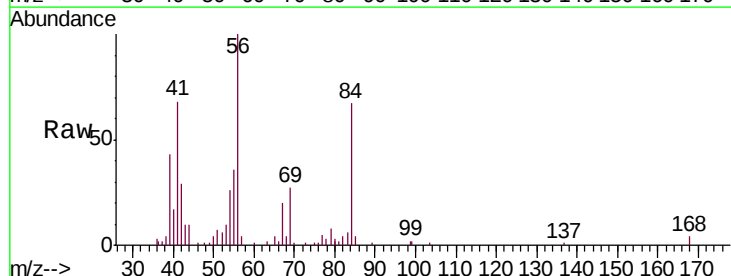
Instrument :
 MSVOA_W
 ClientSampled :
 MDL05

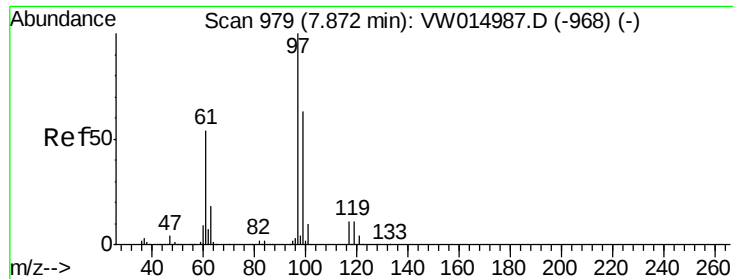
Tgt Ion: 62 Resp: 20208
 Ion Ratio Lower Upper
 62 100
 98 12.1 6.2 9.4#



#29
 Cyclohexane
 Concen: 0.975 ug/L
 RT: 7.95 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

Tgt Ion: 56 Resp: 21615
 Ion Ratio Lower Upper
 56 100
 69 26.3 22.0 33.0
 84 68.7 57.8 86.6

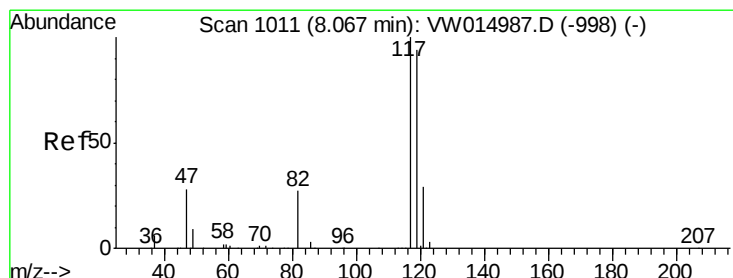
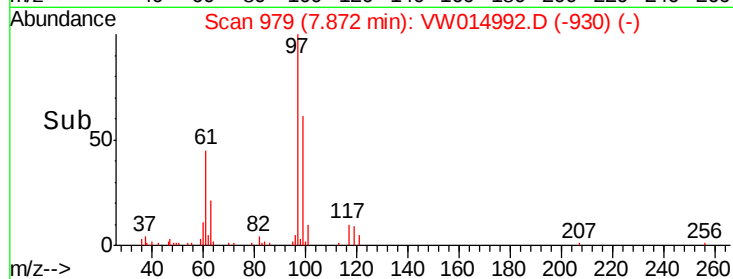
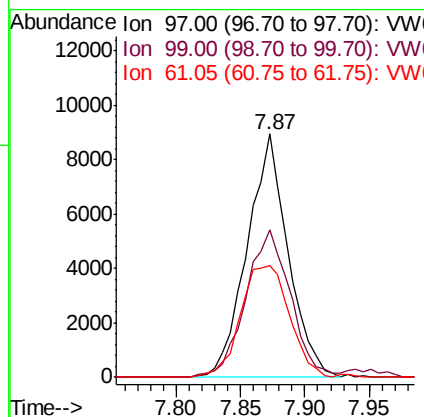
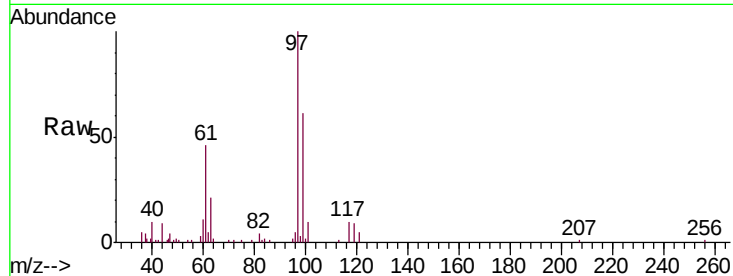




#30
 1,1,1-Trichloroethane
 Concen: 1.185 ug/L
 RT: 7.87 min Scan# 979
 Delta R.T. -0.00 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

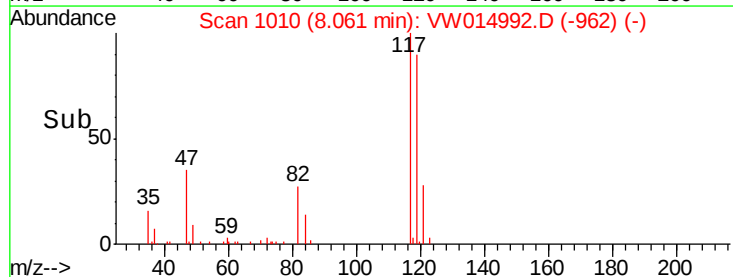
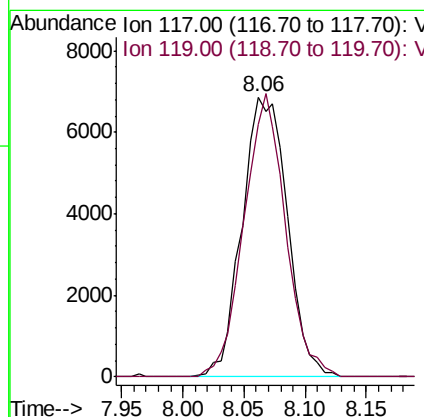
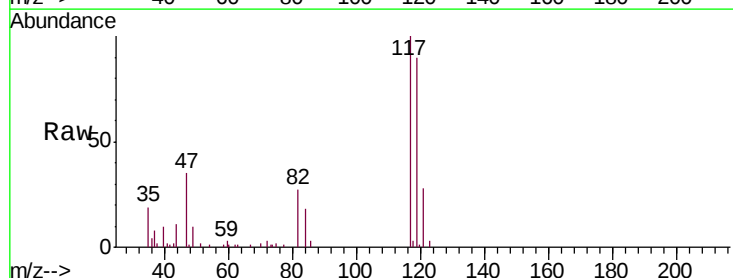
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL05

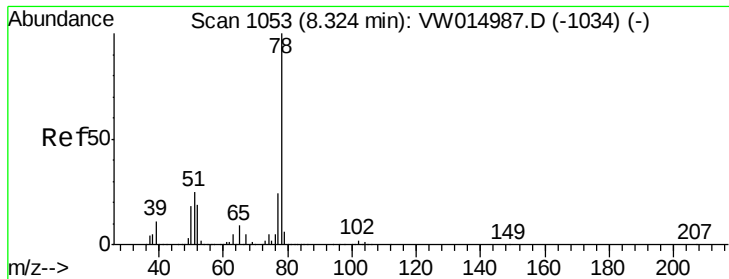
Tgt Ion: 97 Resp: 19598
 Ion Ratio Lower Upper
 97 100
 99 66.0 50.6 75.8
 61 55.1 42.7 64.1



#31
 Carbon tetrachloride
 Concen: 1.184 ug/L
 RT: 8.06 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

Tgt Ion: 117 Resp: 17647
 Ion Ratio Lower Upper
 117 100
 119 92.9 76.6 114.8





#33

Benzene

Concen: 1.192 ug/L

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

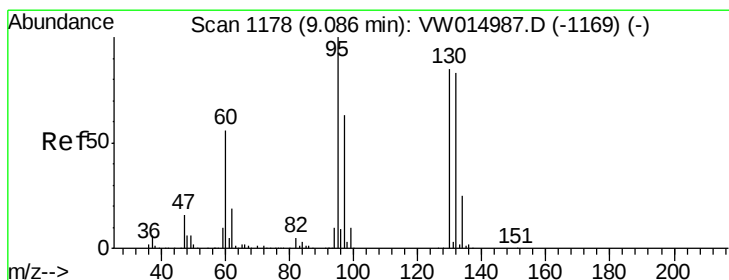
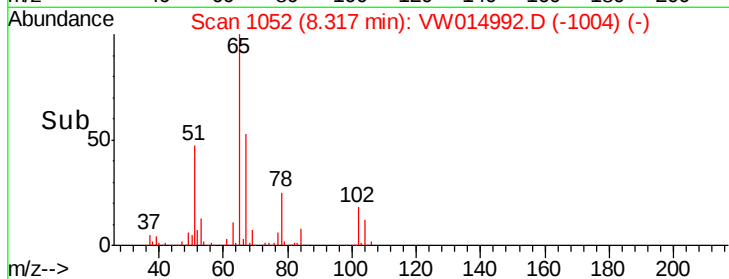
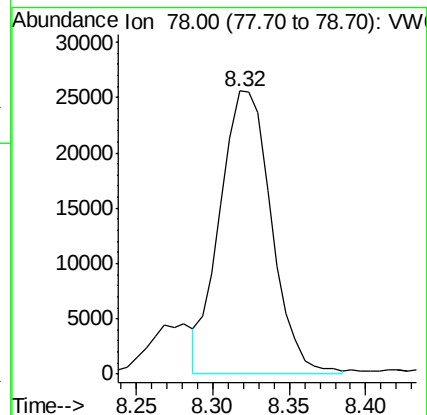
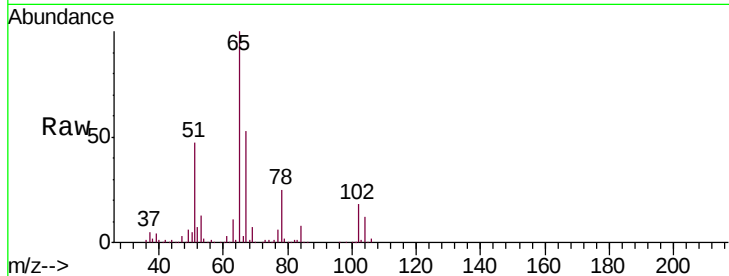
Instrument :

MSVOA_W

ClientSampleId :

MDL05

Tgt Ion: 78 Resp: 59524



#34

Trichloroethene

Concen: 1.184 ug/L

RT: 9.09 min Scan# 1179

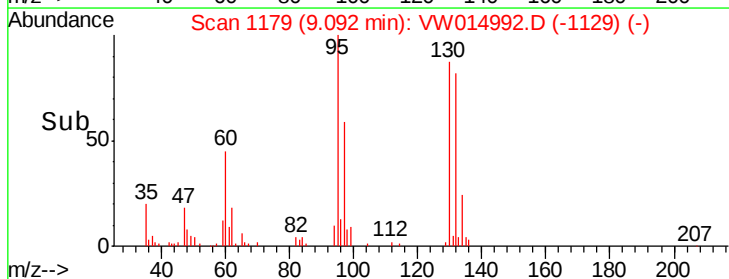
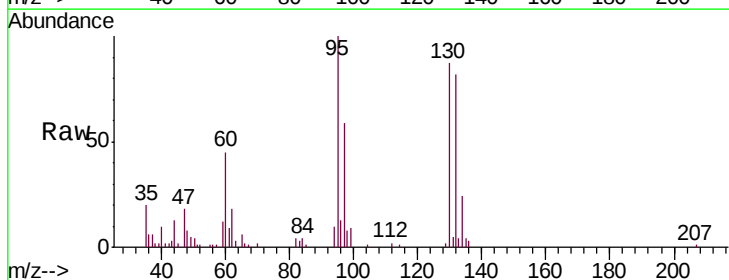
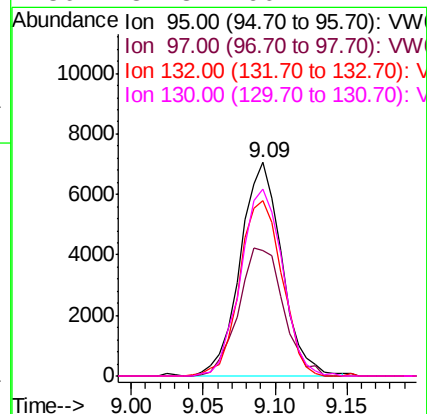
Delta R.T. 0.01 min

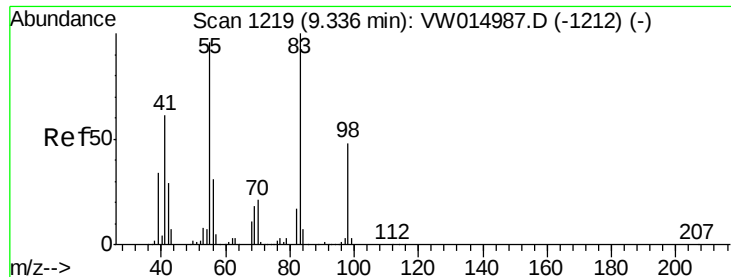
Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Tgt Ion: 95 Resp: 14159

Ion	Ratio	Lower	Upper
95	100		
97	58.8	44.2	82.0
132	82.3	56.1	104.3
130	87.3	60.1	111.7

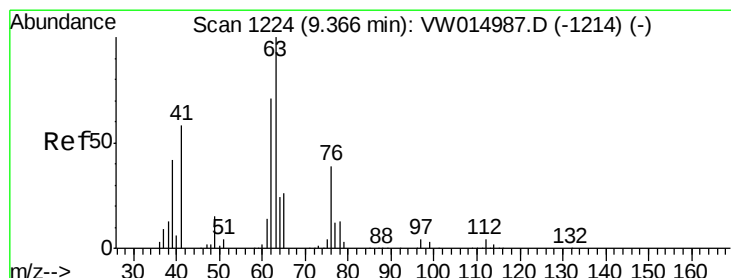
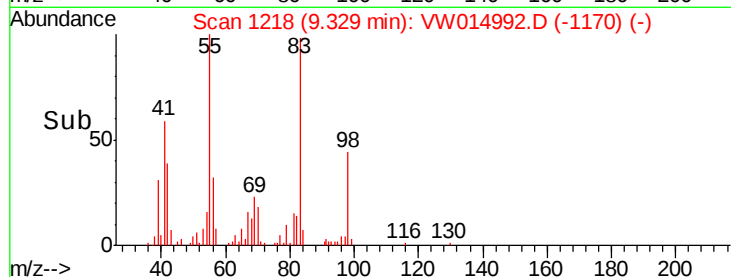
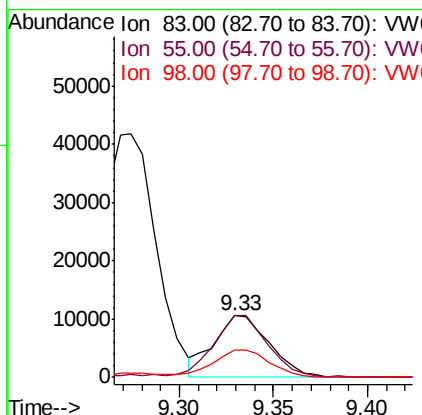
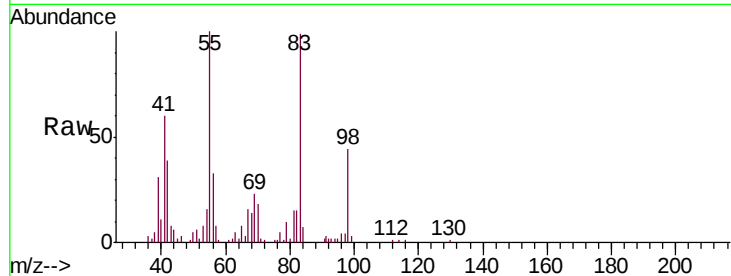




#35
Methylcyclohexane
Concen: 1.047 ug/L
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014992.D
Acq: 14 Feb 2020 12:52

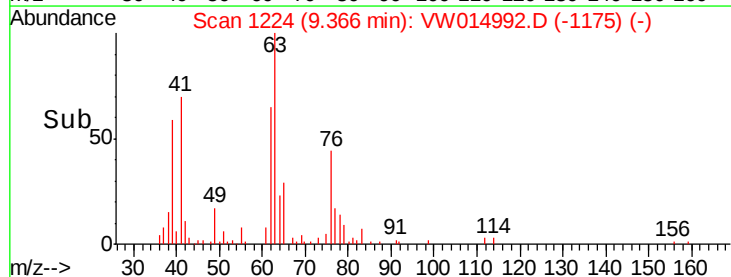
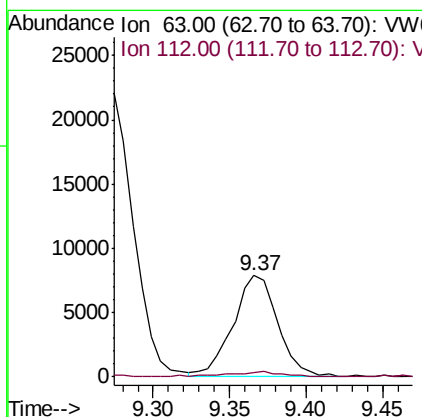
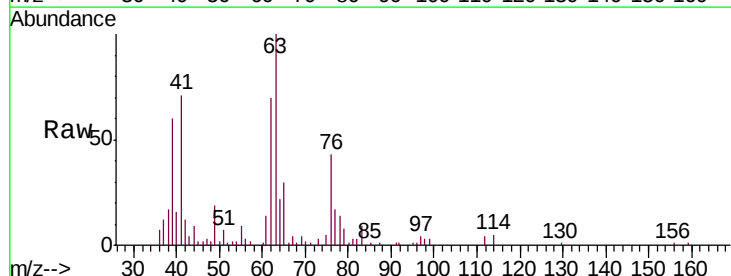
Instrument :
MSVOA_W
ClientSampled :
MDL05

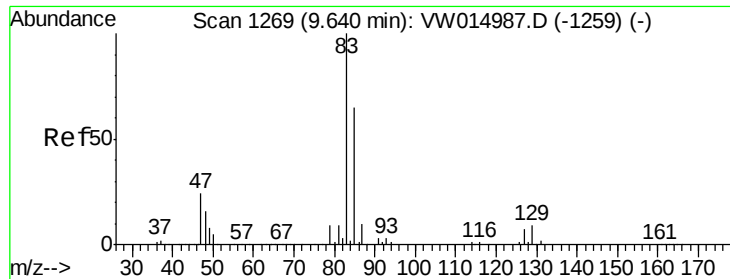
Tgt Ion: 83 Resp: 21598
Ion Ratio Lower Upper
83 100
55 98.6 76.3 114.5
98 45.1 36.4 54.6



#37
1,2-Dichloropropane
Concen: 1.162 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW014992.D
Acq: 14 Feb 2020 12:52

Tgt Ion: 63 Resp: 16202
Ion Ratio Lower Upper
63 100
112 3.3 2.6 4.0





#38

Bromodichloromethane

Concen: 1.125 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Instrument :

MSVOA_W

ClientSampleId :

MDL05

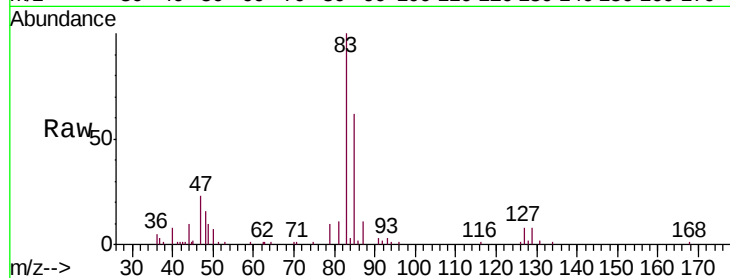
Tgt Ion: 83 Resp: 17667

Ion Ratio Lower Upper

83 100

85 62.1 45.2 84.0

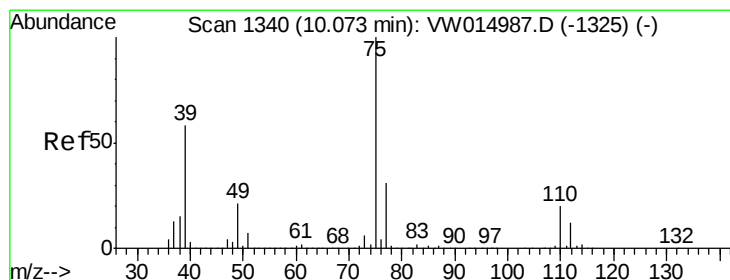
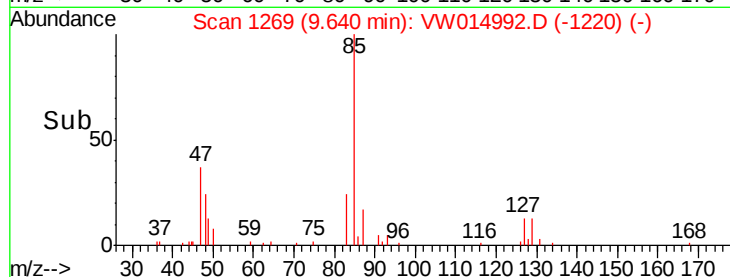
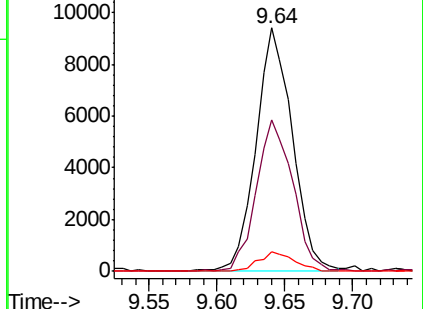
127 8.0 5.5 8.3



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): VW



#39

cis-1,3-Dichloropropene

Concen: 1.058 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW014992.D

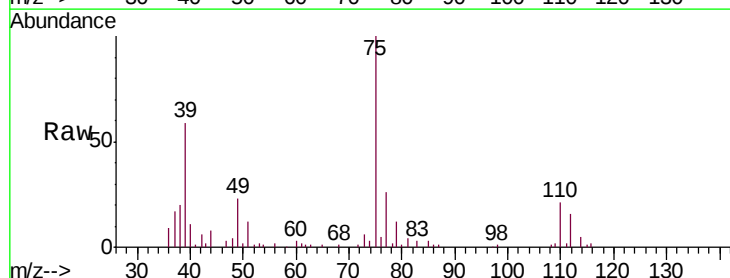
Acq: 14 Feb 2020 12:52

Tgt Ion: 75 Resp: 19737

Ion Ratio Lower Upper

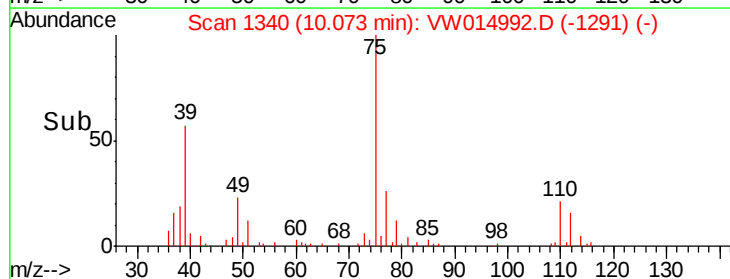
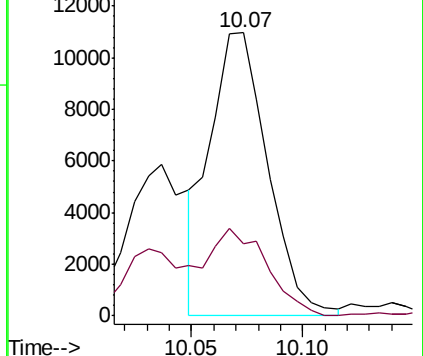
75 100

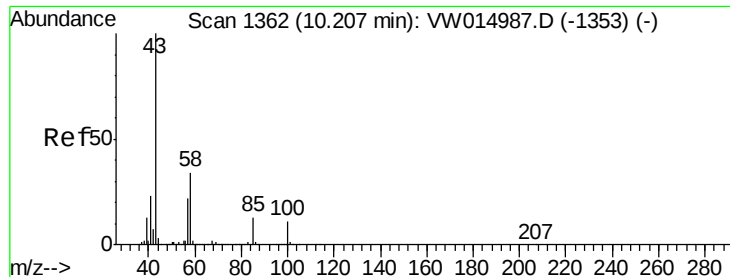
77 25.6 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

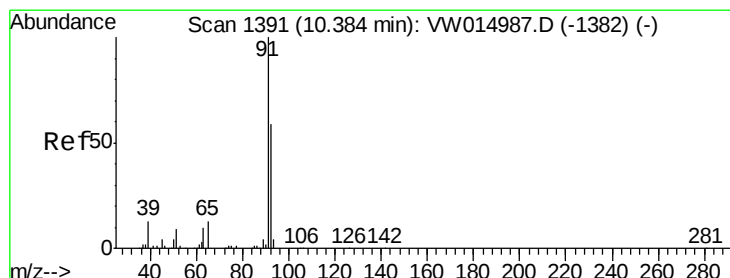
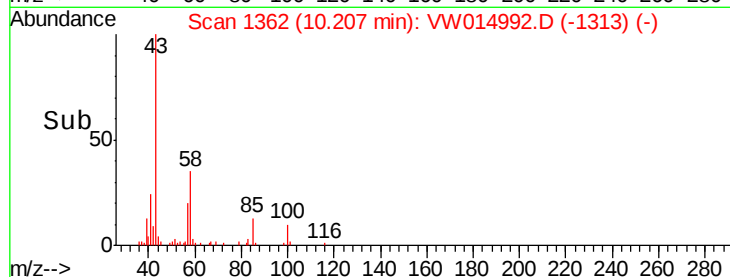
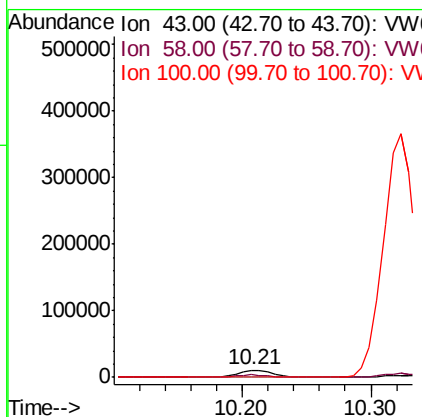
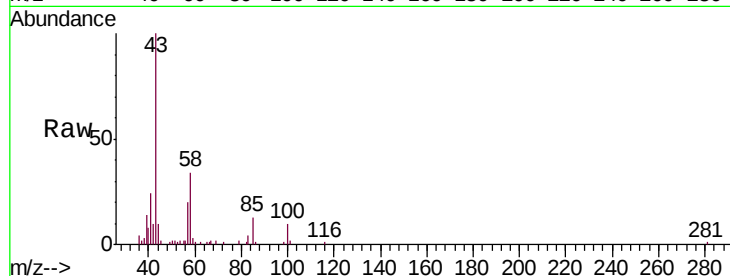




#40
 4-Methyl-2-pentanone
 Concen: 2.060 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

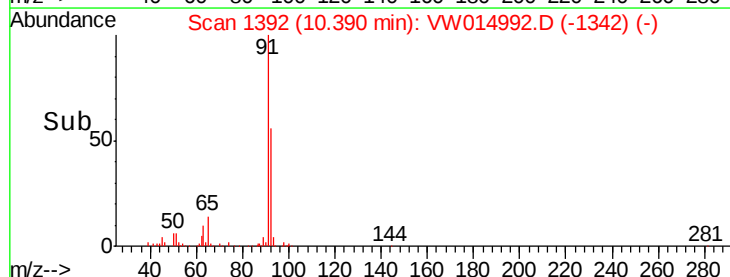
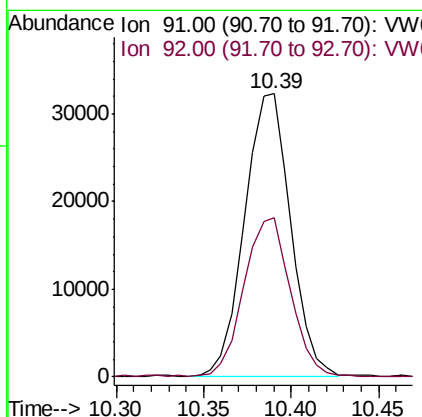
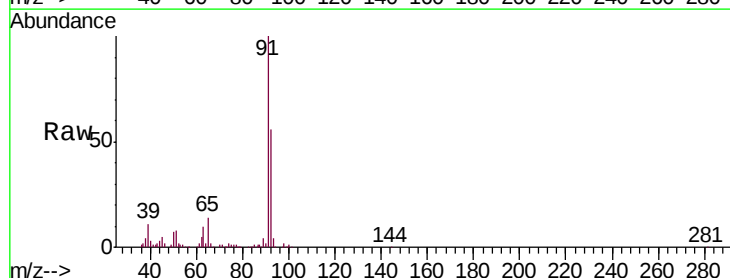
Instrument :
 MSVOA_W
 ClientSampleID :
 MDL05

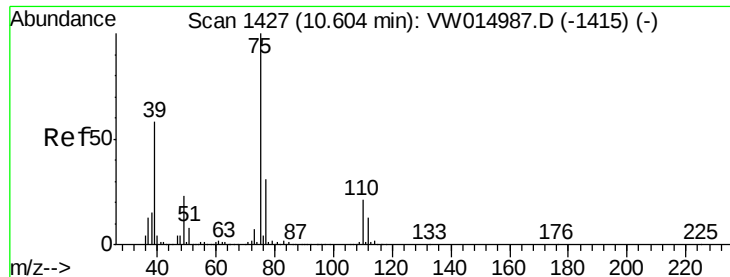
Tgt Ion: 43 Resp: 20451
 Ion Ratio Lower Upper
 43 100
 58 31.7 27.7 41.5
 100 11.1 8.6 13.0



#42
 Toluene
 Concen: 1.227 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

Tgt Ion: 91 Resp: 59189
 Ion Ratio Lower Upper
 91 100
 92 56.2 39.5 73.3





#44

trans-1,3-Dichloropropene

Concen: 1.512 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Instrument :

MSVOA_W

ClientSampled :

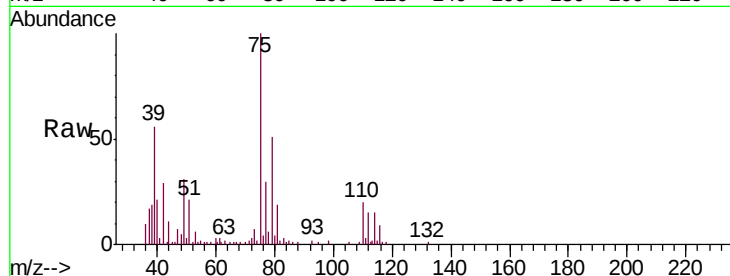
MDL05

Tgt Ion: 75 Resp: 23395

Ion Ratio Lower Upper

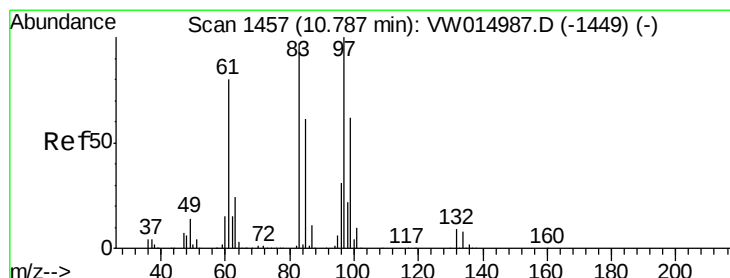
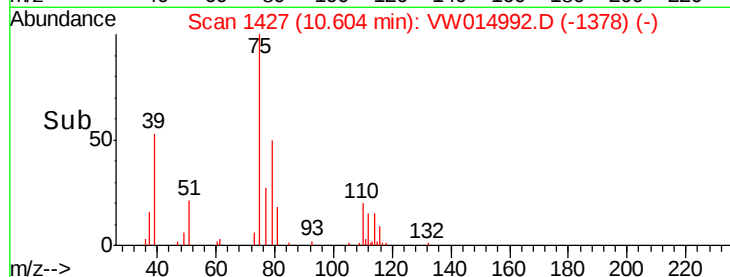
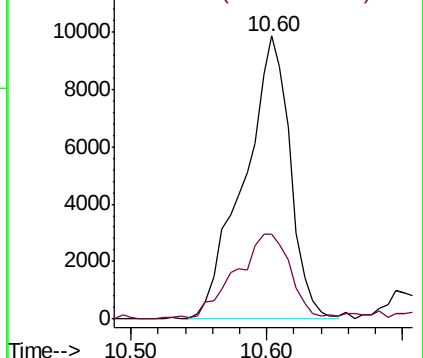
75 100

77 29.9 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#45

1,1,2-Trichloroethane

Concen: 1.198 ug/L

RT: 10.78 min Scan# 1456

Delta R.T. -0.01 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Tgt Ion: 97 Resp: 10136

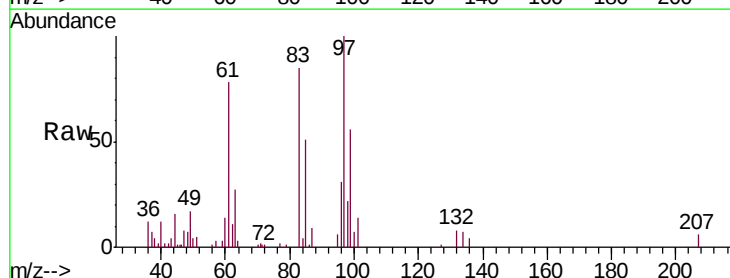
Ion Ratio Lower Upper

97 100

99 56.0 44.2 82.0

83 85.4 64.1 119.1

85 51.0 42.1 78.1

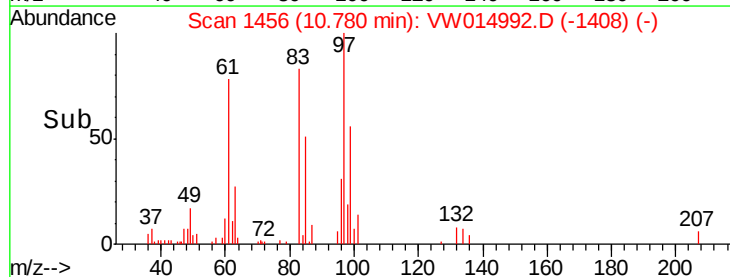
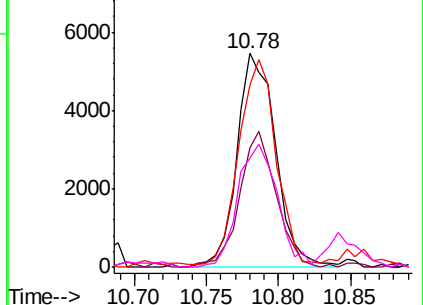


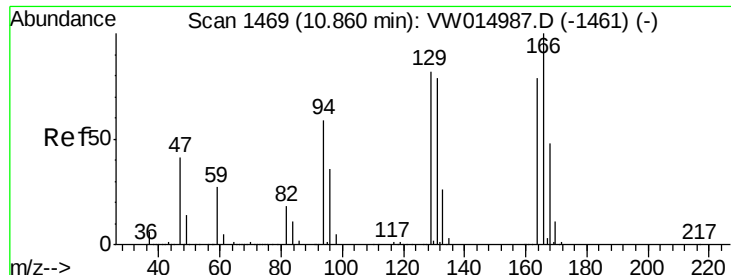
Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW





#46

Tetrachloroethene

Concen: 1.197 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Instrument :

MSVOA_W

ClientSampled :

MDL05

Tgt Ion:164 Resp: 9298

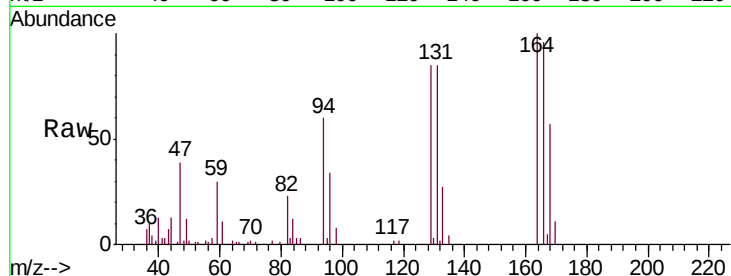
Ion Ratio Lower Upper

164 100

129 87.4 72.2 134.2

131 84.5 68.1 126.5

166 96.2 90.6 168.2



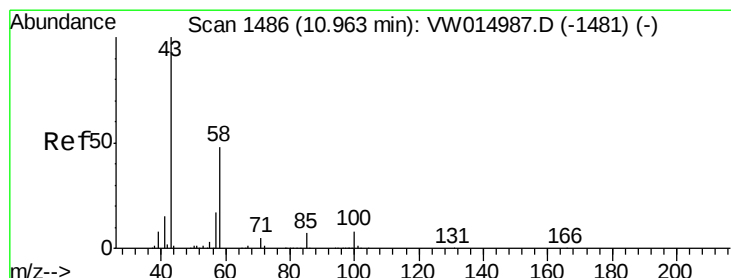
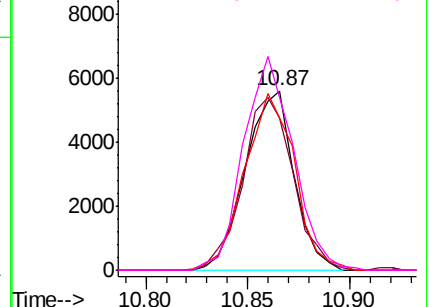
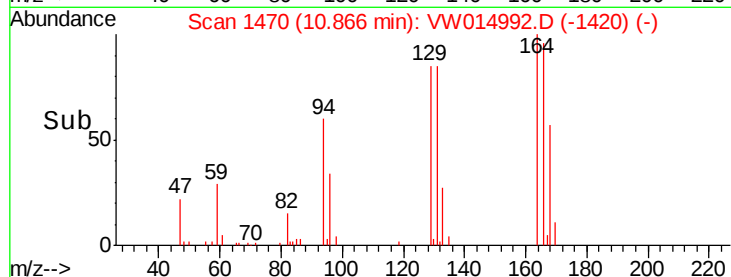
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 2.266 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Tgt Ion: 43 Resp: 16391

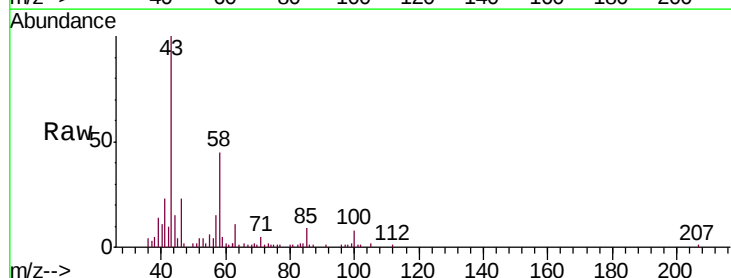
Ion Ratio Lower Upper

43 100

58 49.1 39.2 58.8

57 15.1 13.1 19.7

100 8.4 7.0 10.4



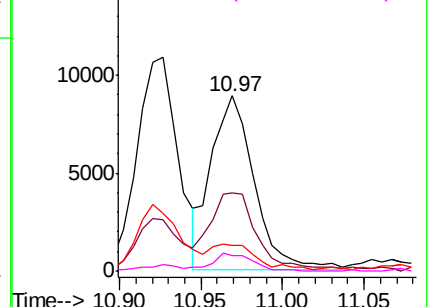
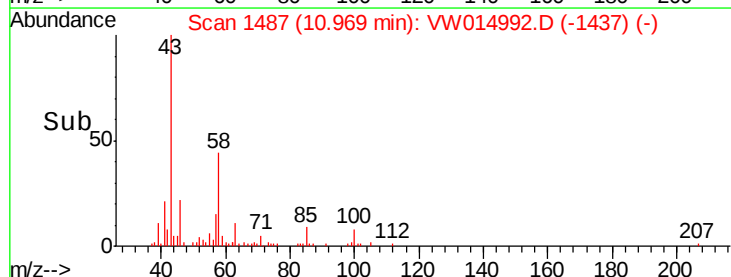
Abundance

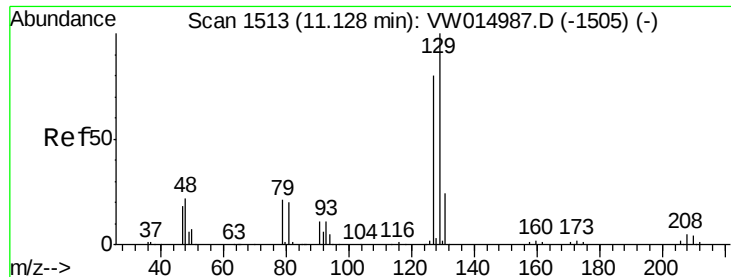
Ion 43.00 (42.70 to 43.70): VV

Ion 58.00 (57.70 to 58.70): VV

Ion 57.00 (56.70 to 57.70): VV

Ion 100.00 (99.70 to 100.70): VV





#49

Dibromochloromethane

Concen: 1.120 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Instrument :

MSVOA_W

ClientSampleId :

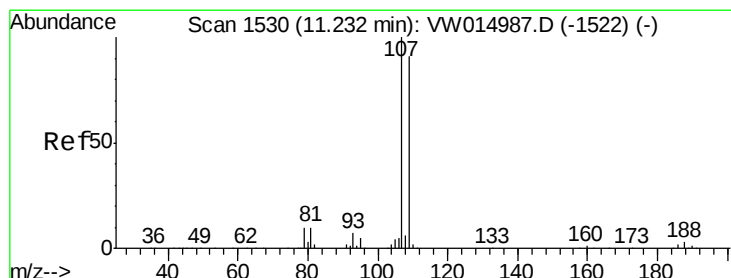
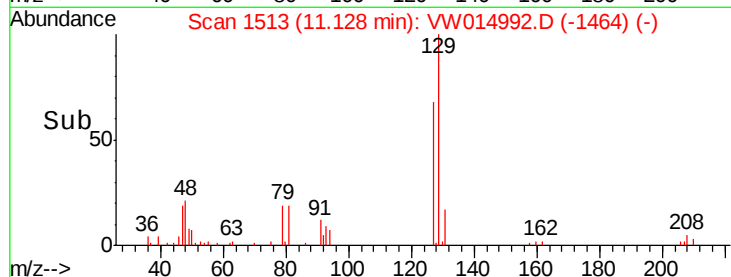
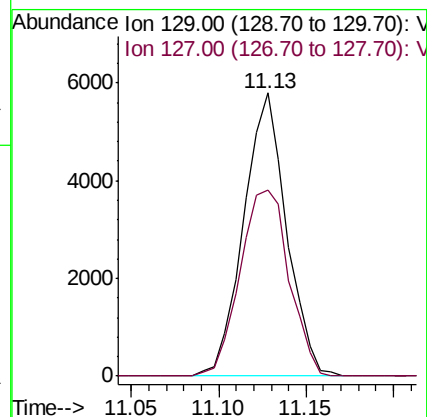
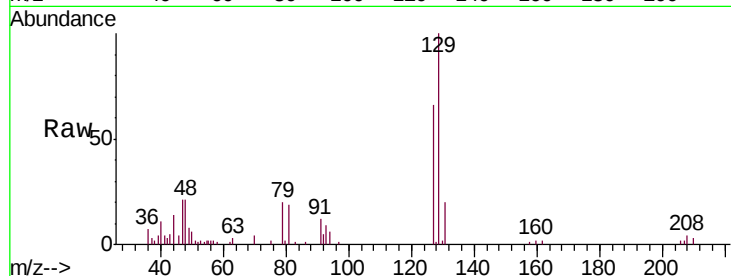
MDL05

Tgt Ion:129 Resp: 9874

Ion Ratio Lower Upper

129 100

127 67.1 53.0 98.4



#50

1,2-Dibromoethane

Concen: 1.119 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

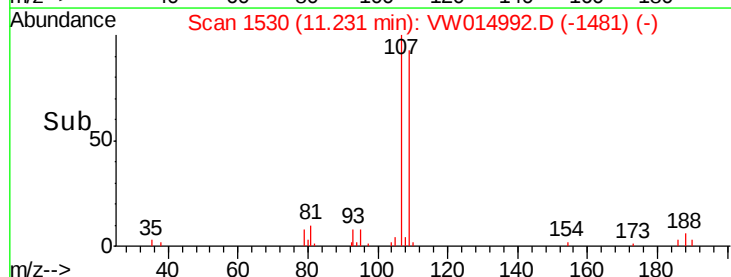
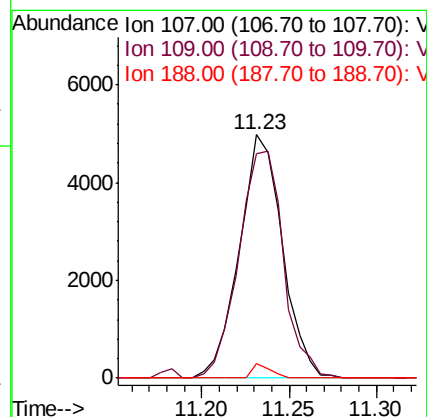
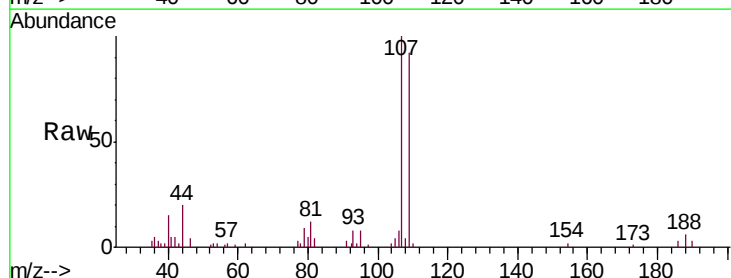
Tgt Ion:107 Resp: 8530

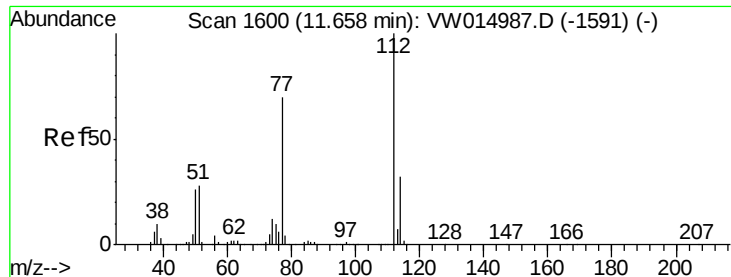
Ion Ratio Lower Upper

107 100

109 91.9 65.1 120.9

188 5.8 2.4 3.6#





#51

Chlorobenzene

Concen: 1.183 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Instrument :

MSVOA_W

ClientSampled :

MDL05

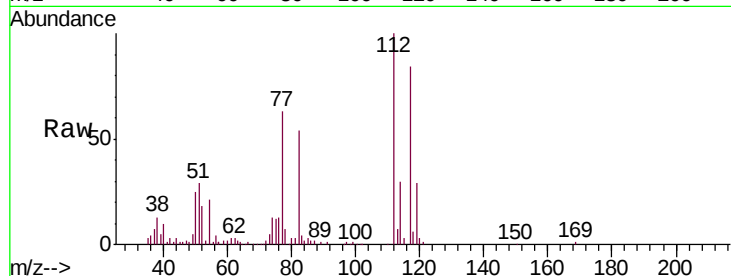
Tgt Ion: 112 Resp: 33675

Ion Ratio Lower Upper

112 100

114 30.2 22.6 42.0

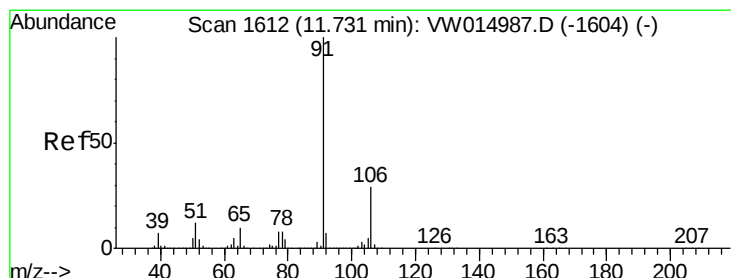
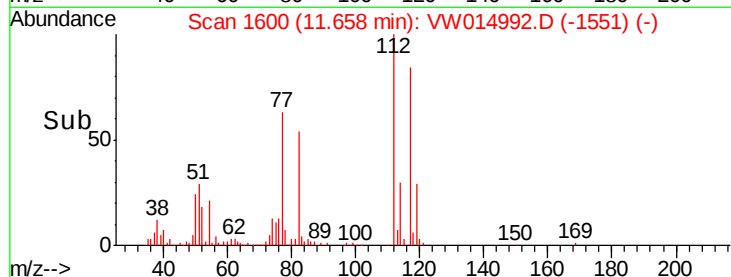
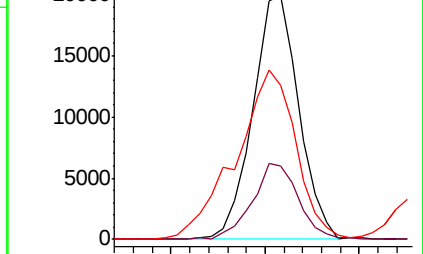
77 63.2 54.6 82.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 1.033 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014992.D

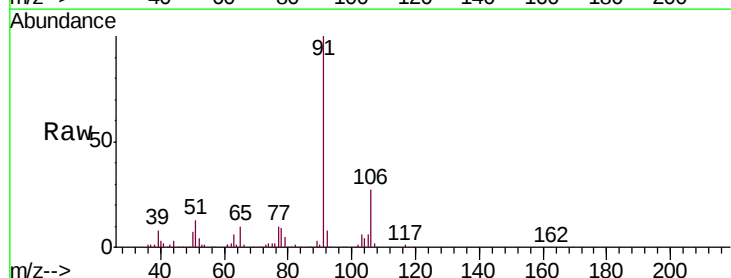
Acq: 14 Feb 2020 12:52

Tgt Ion: 91 Resp: 54272

Ion Ratio Lower Upper

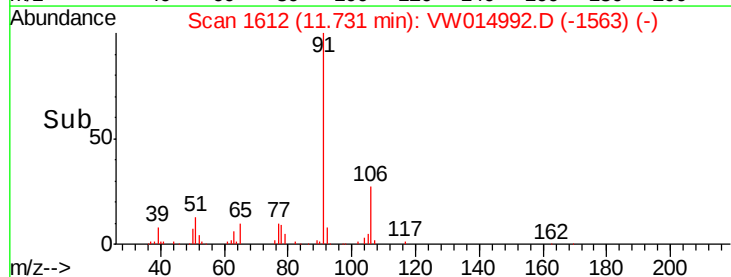
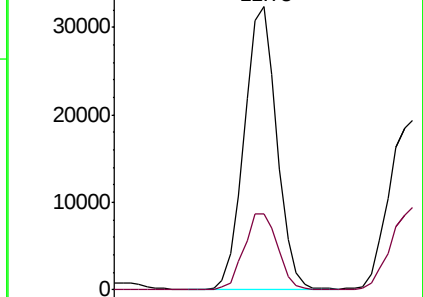
91 100

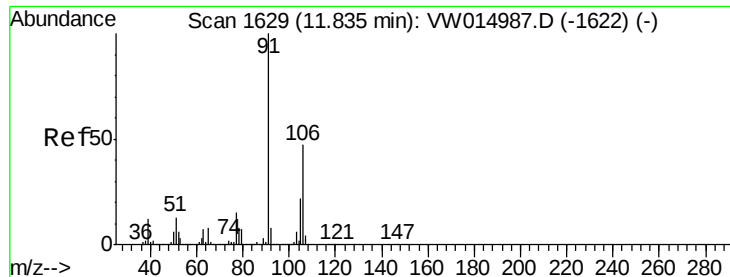
106 27.1 20.2 37.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 0.961 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Instrument :

MSVOA_W

ClientSampled :

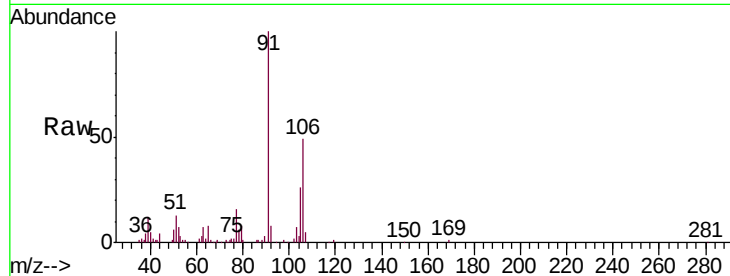
MDL05

Tgt Ion:106 Resp: 17721

Ion Ratio Lower Upper

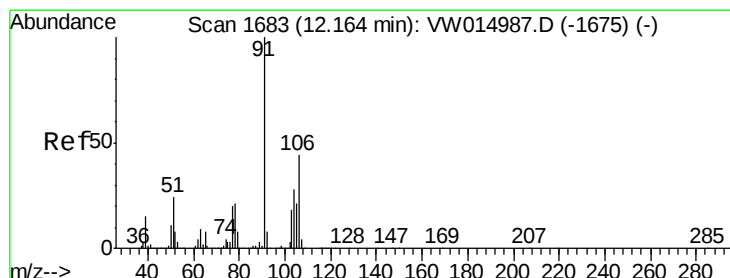
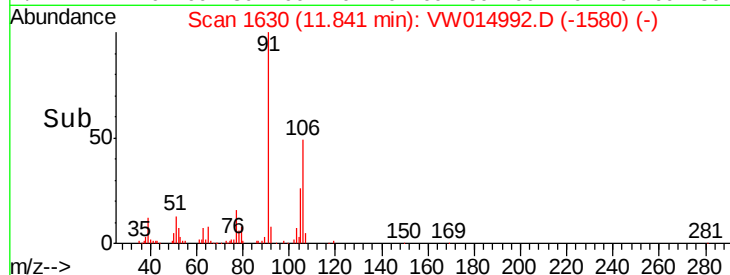
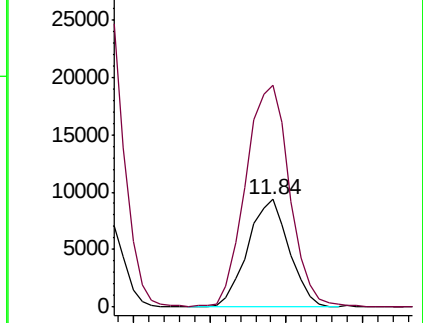
106 100

91 206.1 149.2 277.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#54

o-Xylene

Concen: 0.874 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014992.D

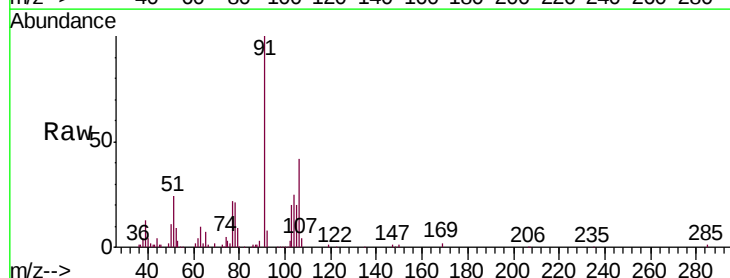
Acq: 14 Feb 2020 12:52

Tgt Ion:106 Resp: 15129

Ion Ratio Lower Upper

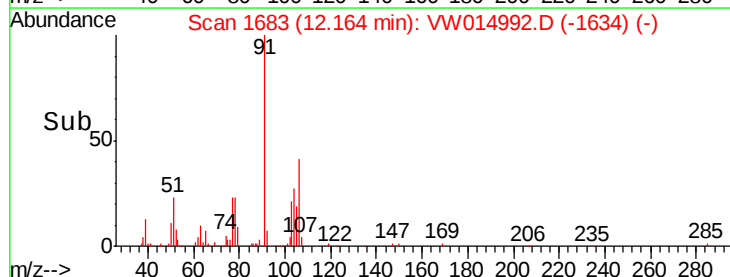
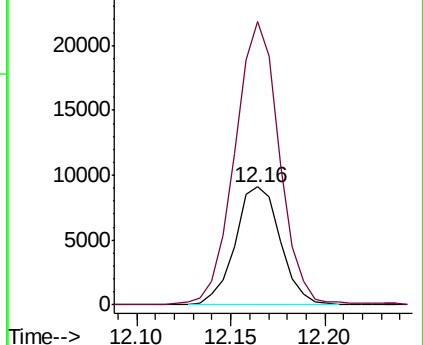
106 100

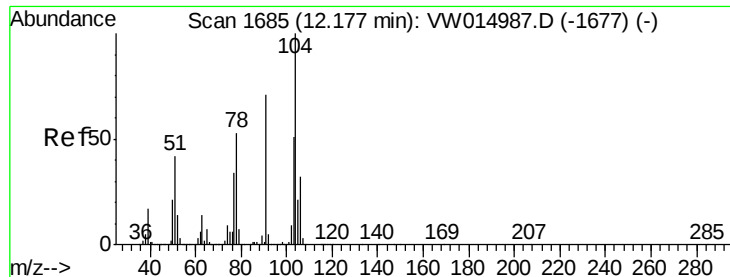
91 240.1 163.7 304.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

Styrene

Concen: 0.836 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Instrument :

MSVOA_W

ClientSampled :

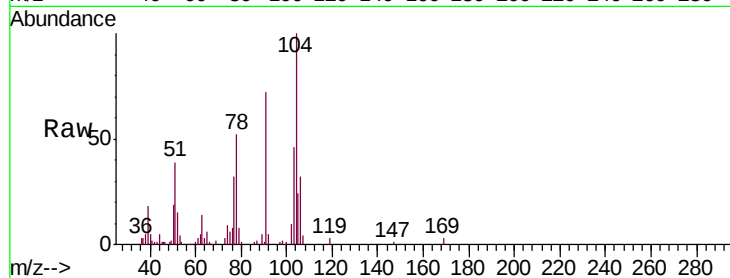
MDL05

Tgt Ion: 104 Resp: 24942

Ion Ratio Lower Upper

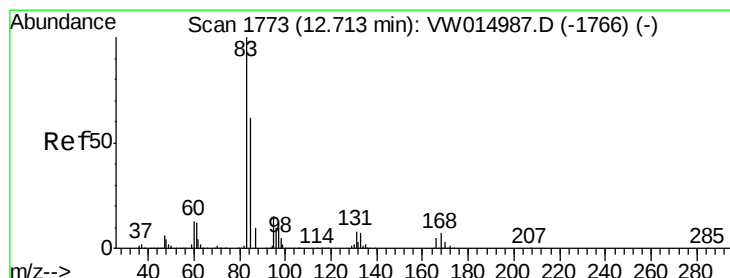
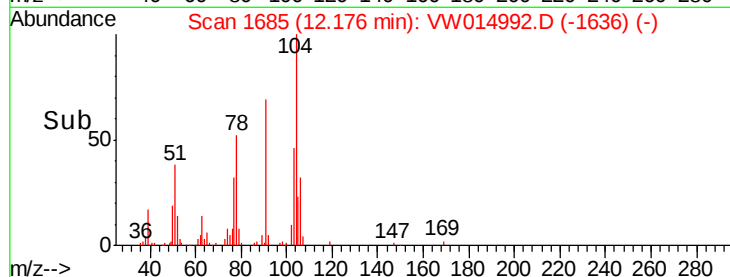
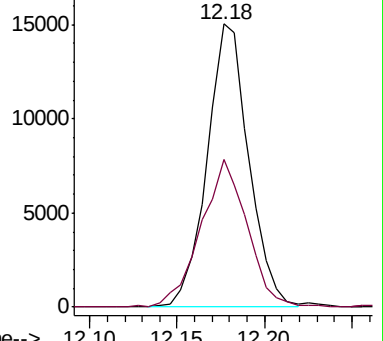
104 100

78 52.2 36.8 68.4



Abundance Ion 104.00 (103.70 to 104.70): VW

Ion 78.00 (77.70 to 78.70): VW



#57

1,1,2,2-Tetrachloroethane

Concen: 1.186 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

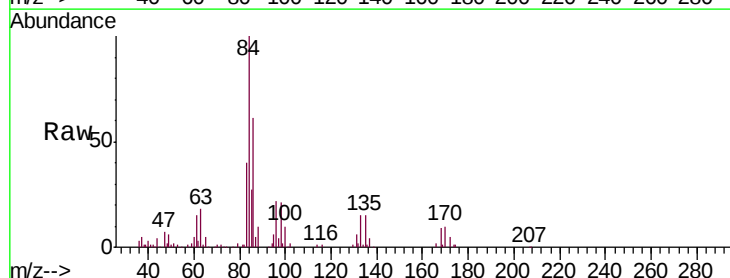
Tgt Ion: 83 Resp: 13420

Ion Ratio Lower Upper

83 100

85 68.6 44.9 83.5

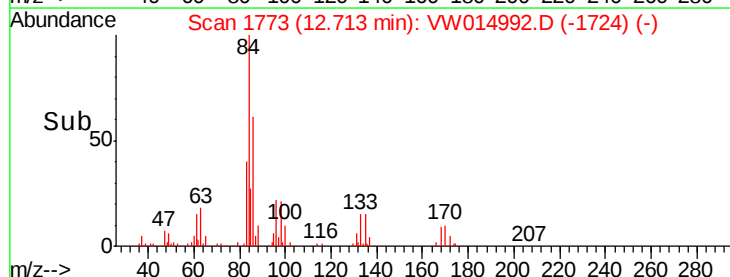
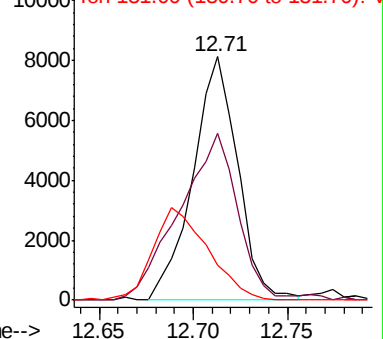
131 14.3 6.2 9.2#

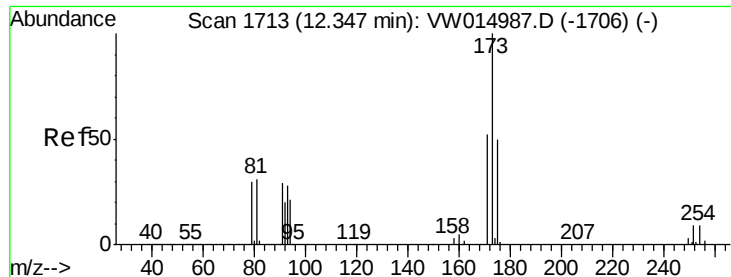


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW





#59

Bromoform

Concen: 1.118 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Instrument :

MSVOA_W

ClientSampleId :

MDL05

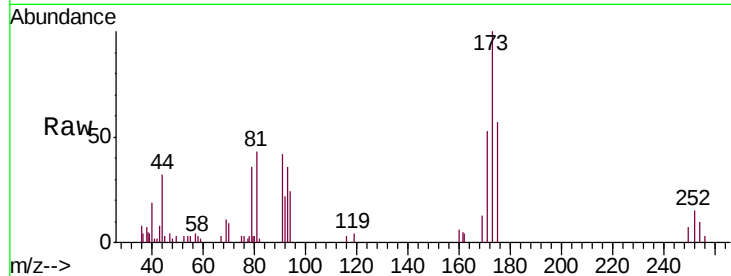
Tgt Ion:173 Resp: 4602

Ion Ratio Lower Upper

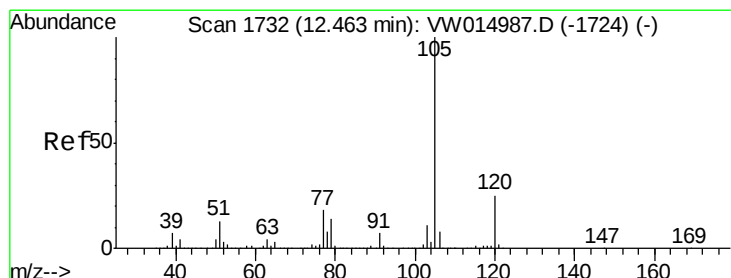
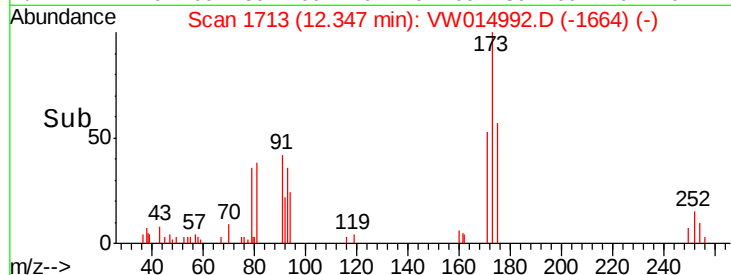
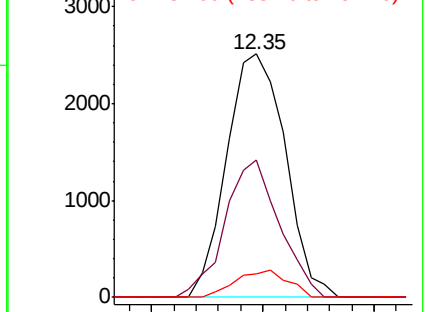
173 100

175 52.4 39.0 58.4

254 10.0 7.1 10.7



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#60

Isopropylbenzene

Concen: 0.952 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

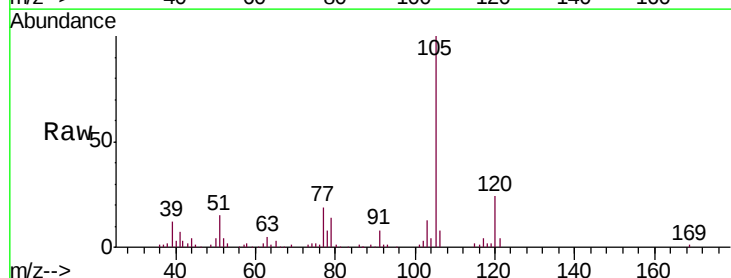
Tgt Ion:105 Resp: 40120

Ion Ratio Lower Upper

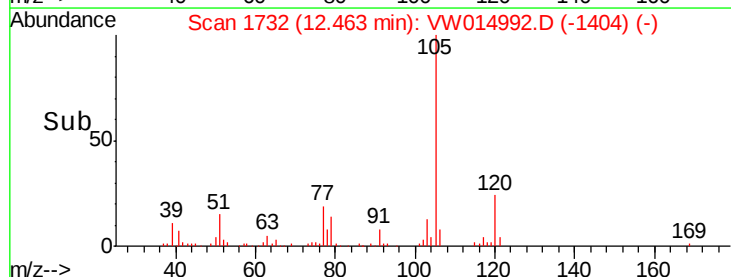
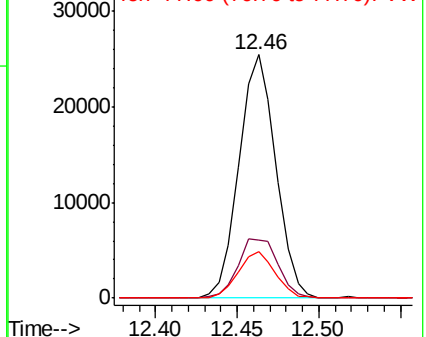
105 100

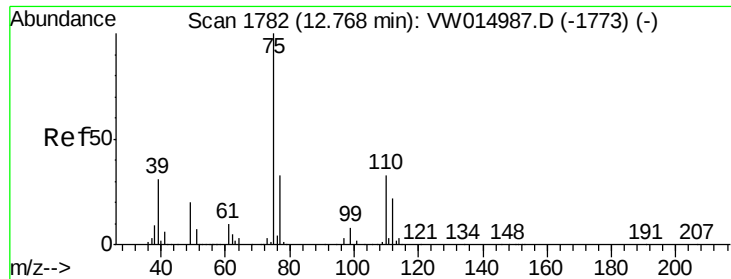
120 26.6 20.1 30.1

77 19.3 14.4 21.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V

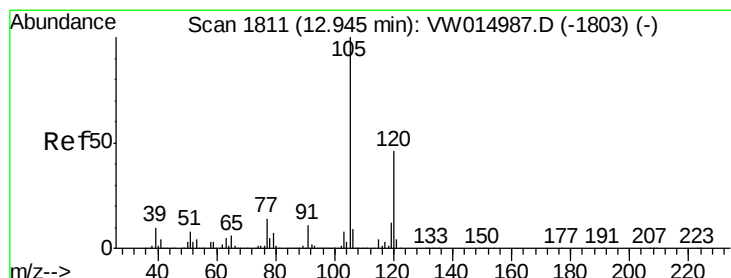
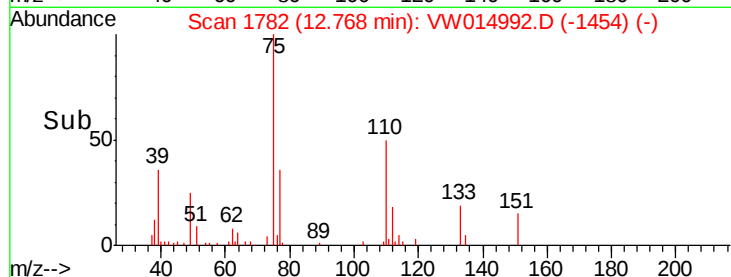
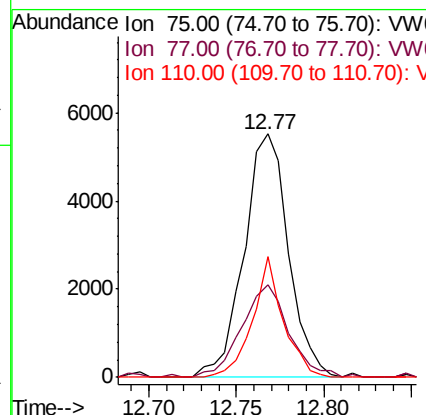
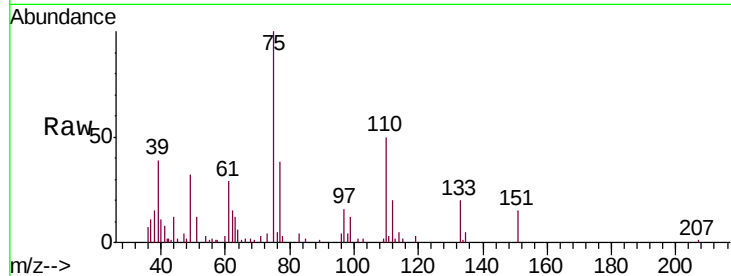




#61
 1,2,3-Trichloropropane
 Concen: 1.236 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

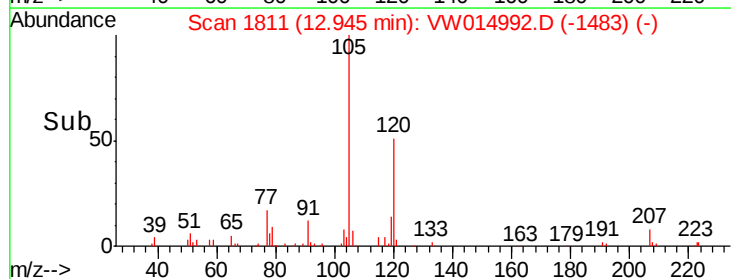
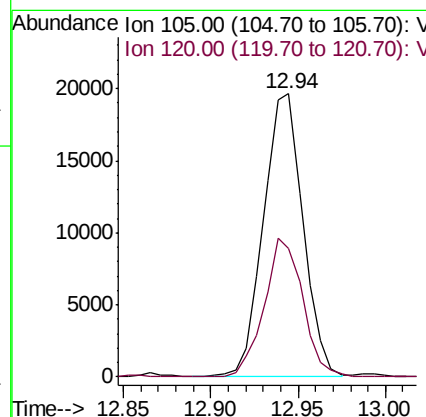
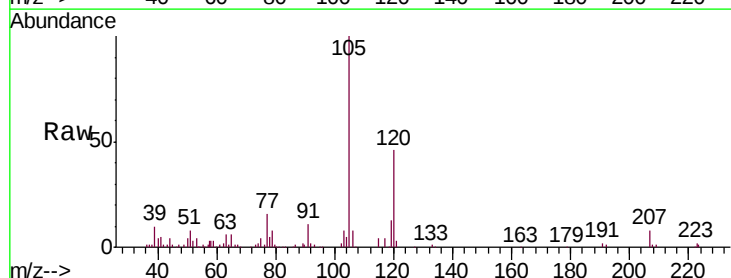
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL05

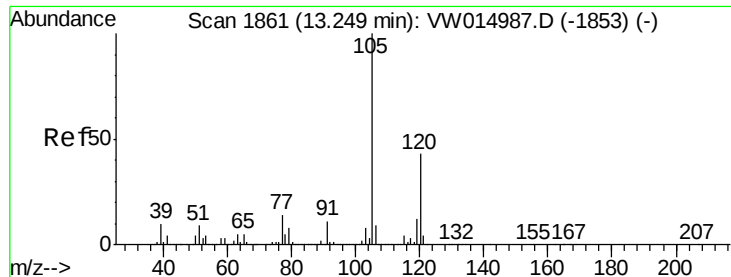
Tgt Ion: 75 Resp: 9751
 Ion Ratio Lower Upper
 75 100
 77 40.1 25.8 38.6#
 110 34.1 26.6 39.8



#62
 1,3,5-Trimethylbenzene
 Concen: 0.920 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

Tgt Ion: 105 Resp: 30902
 Ion Ratio Lower Upper
 105 100
 120 47.7 37.4 56.0

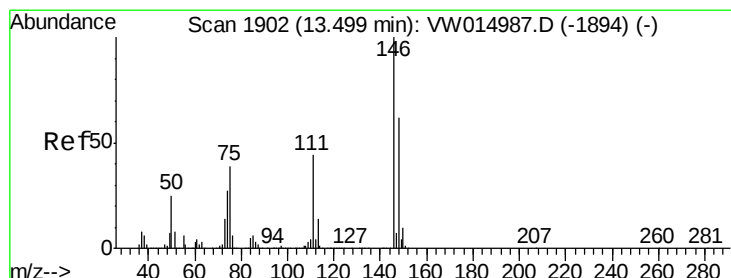
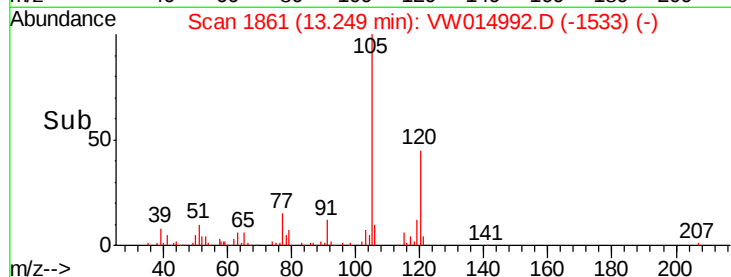
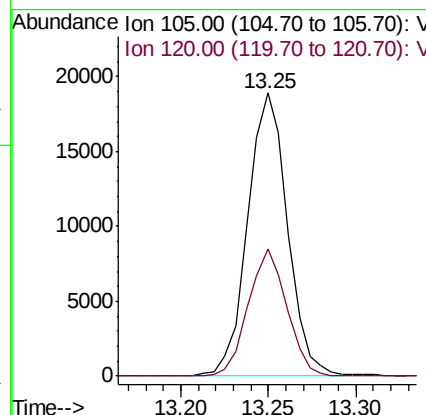
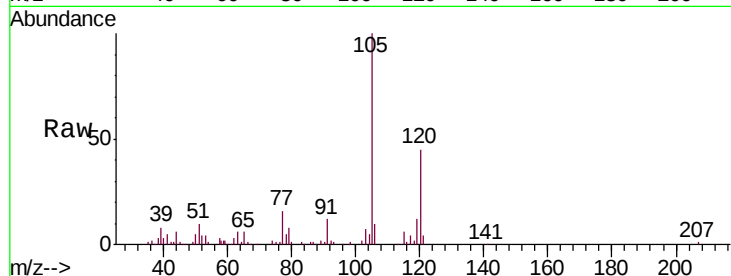




#63
 1,2,4-Trimethylbenzene
 Concen: 0.908 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

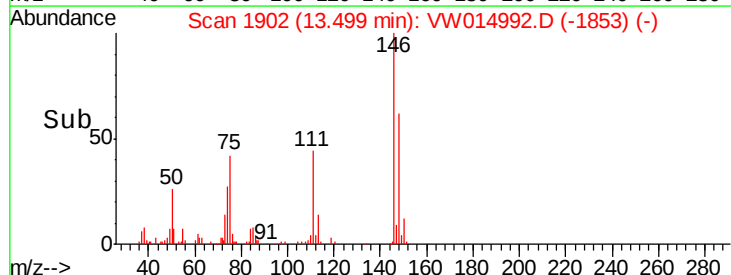
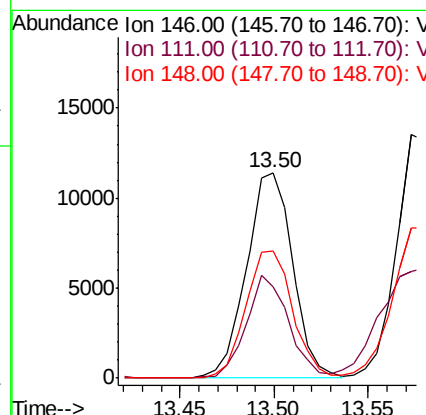
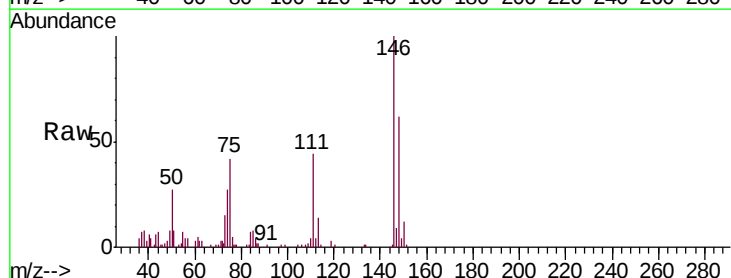
Instrument :
 MSVOA_W
 ClientSampled :
 MDL05

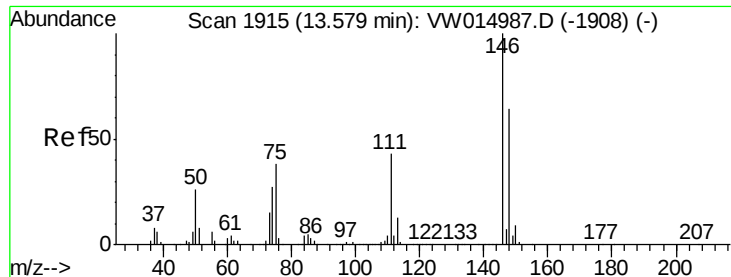
Tgt Ion:105 Resp: 29835
 Ion Ratio Lower Upper
 105 100
 120 43.5 35.0 52.4



#64
 1,3-Dichlorobenzene
 Concen: 1.118 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

Tgt Ion:146 Resp: 19419
 Ion Ratio Lower Upper
 146 100
 111 44.2 30.2 56.0
 148 61.9 44.2 82.2

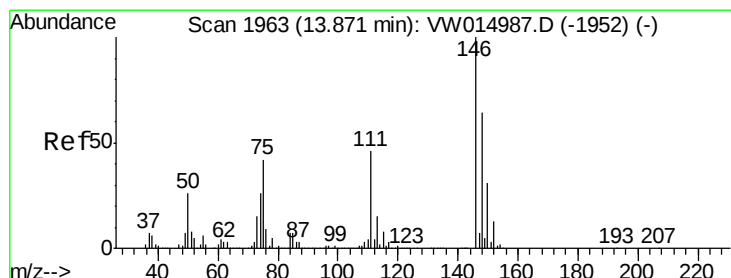
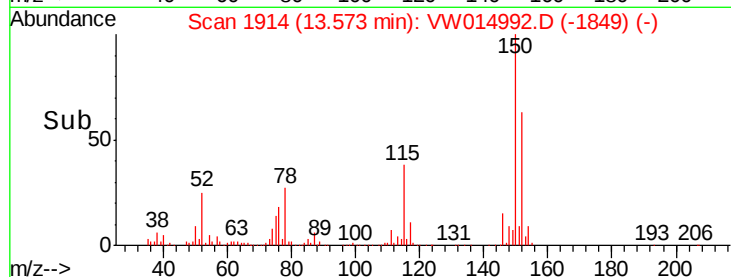
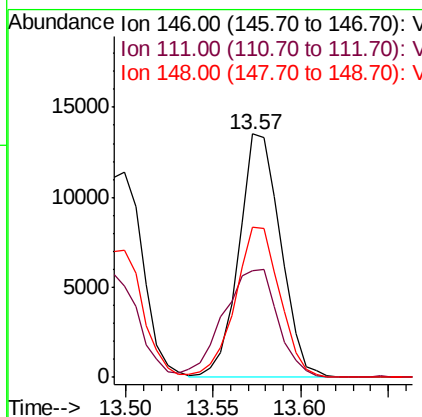
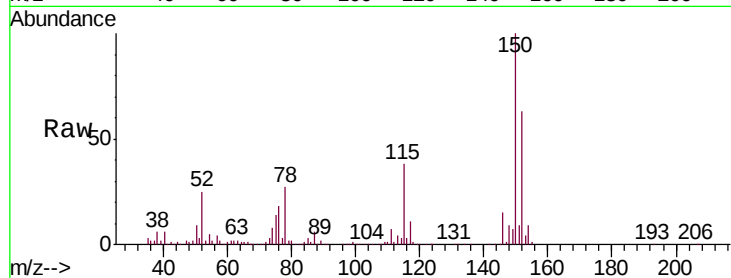




#65
 1,4-Dichlorobenzene
 Concen: 1.251 ug/L
 RT: 13.57 min Scan# 1914
 Delta R.T. -0.01 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

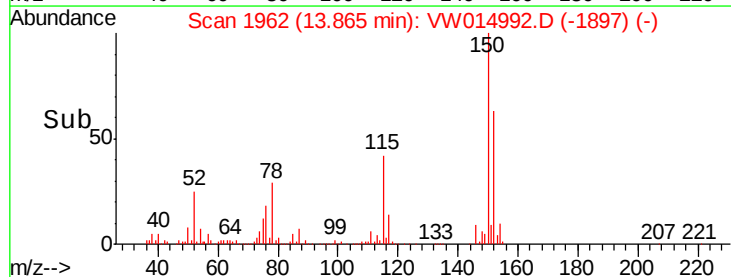
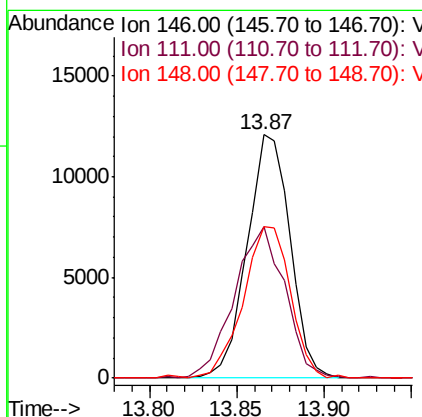
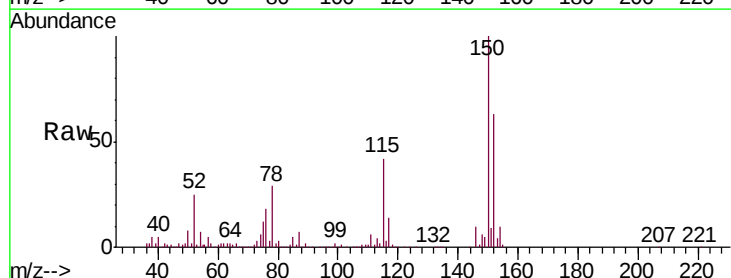
Instrument :
 MSVOA_W
 ClientSampled :
 MDL05

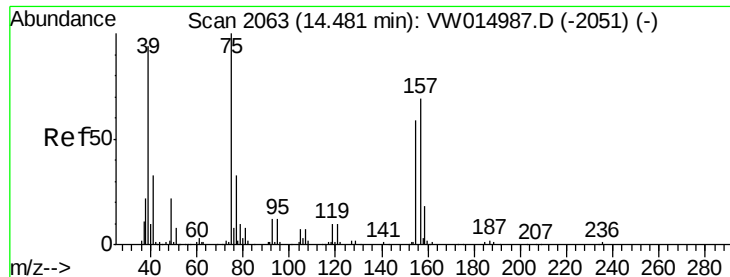
Tgt Ion:146 Resp: 22408
 Ion Ratio Lower Upper
 146 100
 111 43.9 29.5 54.9
 148 61.9 43.8 81.3



#67
 1,2-Dichlorobenzene
 Concen: 1.281 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

Tgt Ion:146 Resp: 20597
 Ion Ratio Lower Upper
 146 100
 111 62.3 38.0 57.0#
 148 62.2 49.5 74.3





#68

1,2-Dibromo-3-chloropropane

Concen: 1.353 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Instrument :

MSVOA_W

ClientSampleId :

MDL05

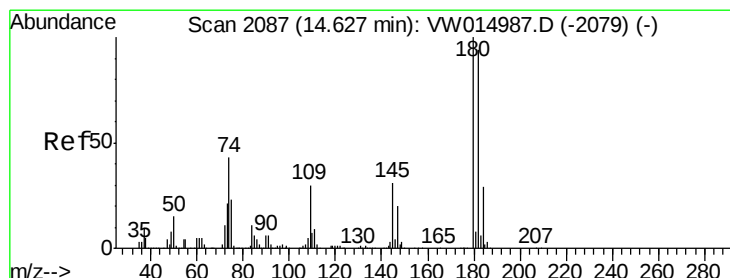
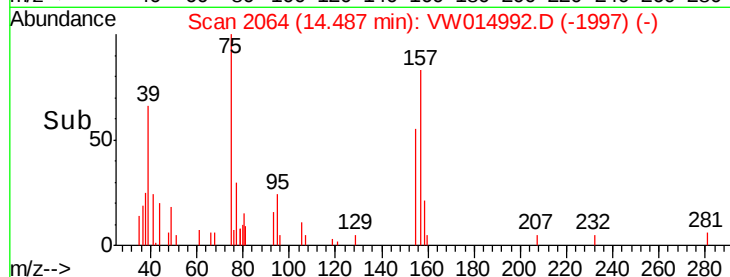
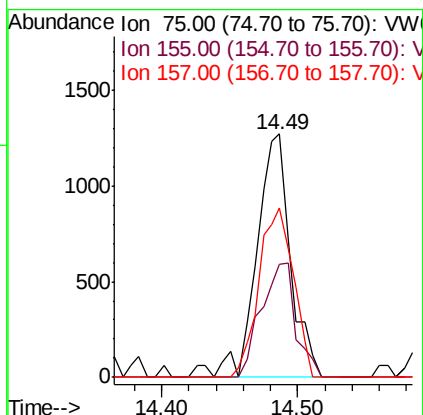
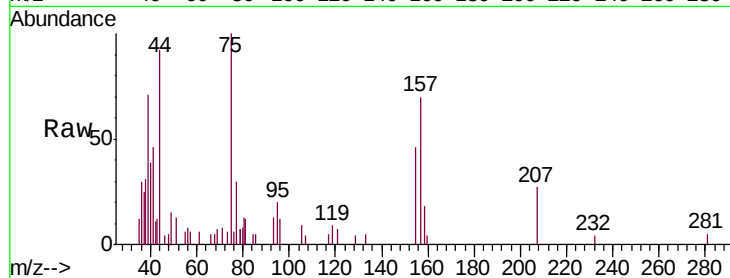
Tgt Ion: 75 Resp: 2233

Ion Ratio Lower Upper

75 100

155 46.4 48.0 72.0#

157 69.8 59.4 89.0



#69

1,3,5-Trichlorobenzene

Concen: 1.136 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Tgt Ion: 180 Resp: 13221

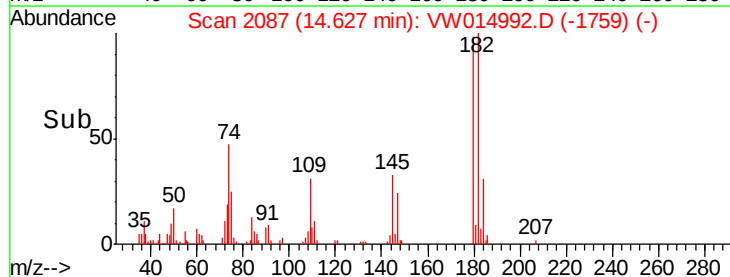
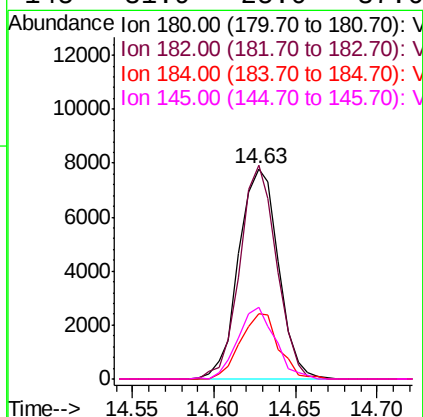
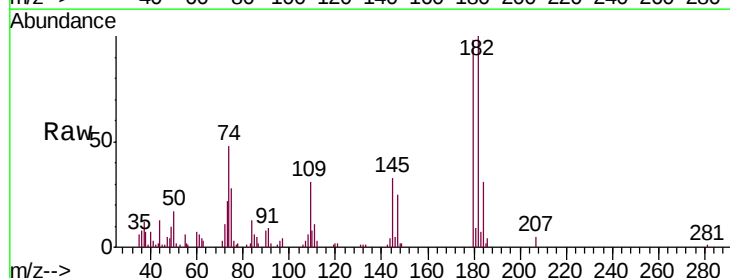
Ion Ratio Lower Upper

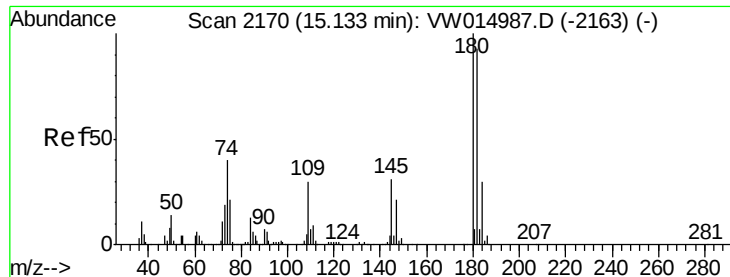
180 100

182 94.0 76.5 114.7

184 29.9 24.2 36.2

145 31.9 25.0 37.6





#70

1,2,4-trichlorobenzene

Concen: 0.958 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Instrument :

MSVOA_W

ClientSampleId :

MDL05

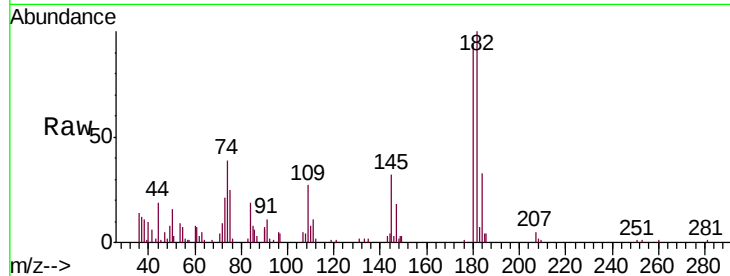
Tgt Ion:180 Resp: 8364

Ion Ratio Lower Upper

180 100

182 98.0 76.2 114.4

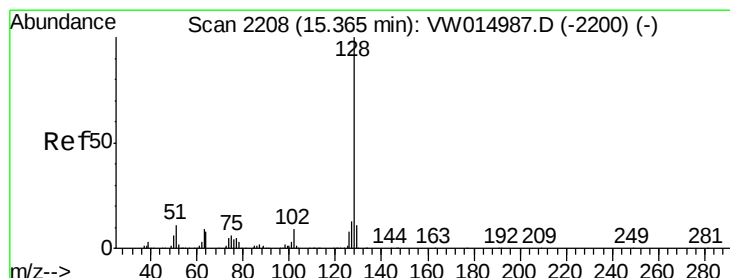
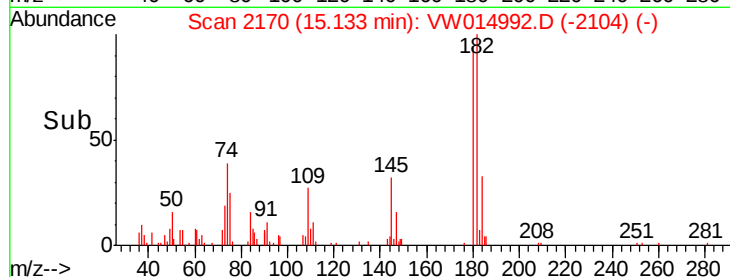
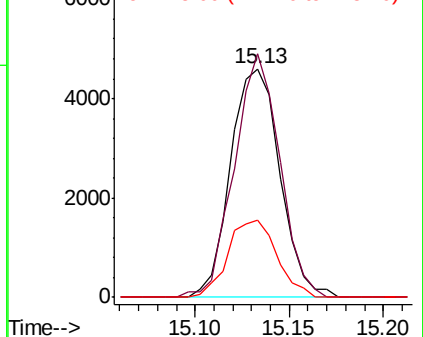
145 33.3 26.2 39.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#71

Naphthalene

Concen: 0.706 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

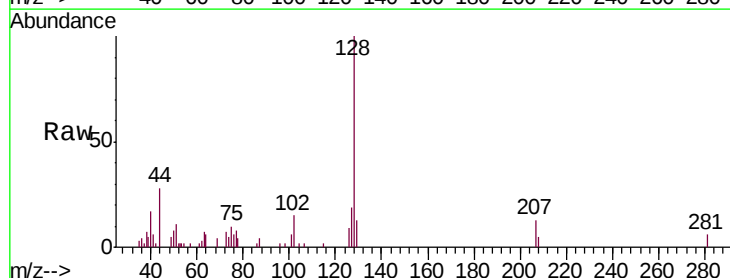
Tgt Ion:128 Resp: 6326

Ion Ratio Lower Upper

128 100

127 18.2 10.5 15.7#

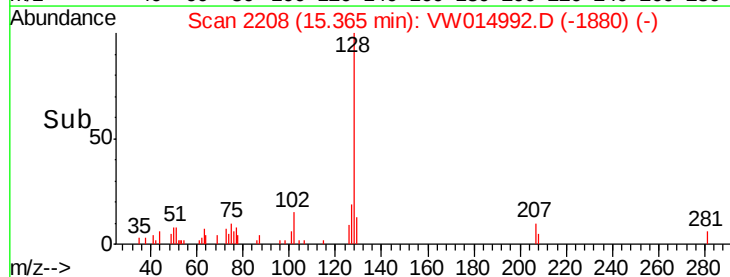
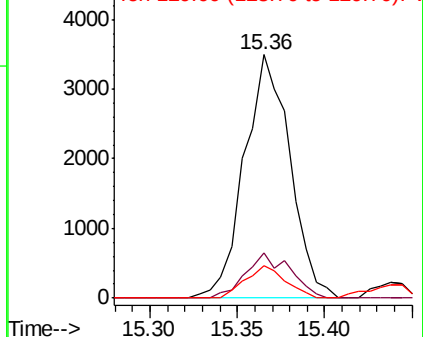
129 11.7 8.6 12.8

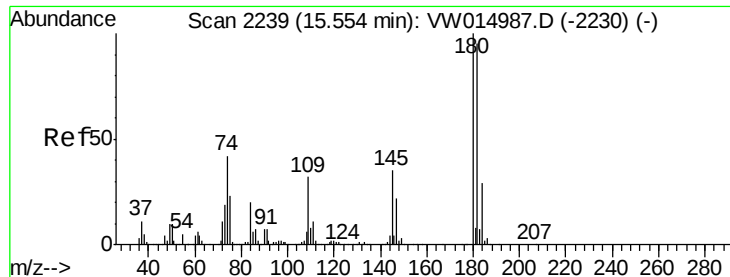


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#72

1,2,3-Trichlorobenzene

Concen: 0.995 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Instrument :

MSVOA_W

ClientSampleId :

MDL05

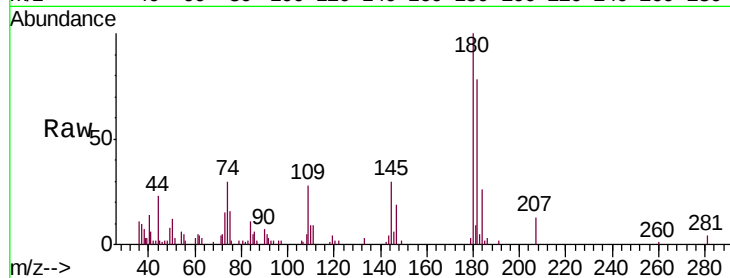
Tgt Ion:180 Resp: 8049

Ion Ratio Lower Upper

180 100

182 87.9 75.2 112.8

145 34.8 27.0 40.6



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

