

Data File : VW015002.D
Acq On : 17 Feb 2020 16:30
Operator : SY/VA
Sample : MDL07
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MDL07

Quant Time: Feb 18 04:23:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Feb 18 04:18:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	739145	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	697664	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	286077	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	325902	21.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.56%
7) Chloroethane-d5	2.89	69	254018	22.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.56%
11) 1,1-Dichloroethene-d2	4.02	63	449259	16.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.28%
21) 2-Butanone-d5	7.07	46	178881	43.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.24%
24) Chloroform-d	7.65	84	534846	22.53	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.12%
26) 1,2-Dichloroethane-d4	8.30	65	325390	23.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.44%
32) Benzene-d6	8.27	84	1073560	22.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.36%
36) 1,2-Dichloropropane-d6	9.27	67	373702	23.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.44%
41) Toluene-d8	10.32	98	897138	22.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.48%
43) trans-1,3-Dichloropropene-	10.57	79	133344	21.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.84%
47) 2-Hexanone-d5	10.92	63	122371	42.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.10%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	270168	22.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.56%
66) 1,2-Dichlorobenzene-d4	13.85	152	262395	24.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.48%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	11921	1.623 ug/L #	88
3) Chloromethane	2.21	50	29163	2.112 ug/L	100
5) Vinyl chloride	2.36	62	38661	2.175 ug/L #	77
6) Bromomethane	2.78	94	16422	2.037 ug/L	79
8) Chloroethane	2.92	64	20627	2.169 ug/L	94
9) Trichlorofluoromethane	3.25	101	12313	1.754 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	16234	1.413 ug/L #	70
12) 1,1-Dichloroethene	4.04	96	25749	2.338 ug/L #	1
13) Acetone	4.12	43	19021	4.392 ug/L	93
14) Carbon disulfide	4.38	76	78103	1.961 ug/L	98
15) Methyl Acetate	4.68	43	13813	1.838 ug/L #	78
16) Methylene chloride	4.92	84	51072	3.739 ug/L	90
17) trans-1,2-Dichloroethene	5.42	96	20632	1.856 ug/L	95
18) Methyl tert-butyl Ether	5.43	73	26019	1.897 ug/L #	63
19) 1,1-Dichloroethane	6.21	63	49868	2.009 ug/L	98
20) cis-1,2-Dichloroethene	7.17	96	22460	1.961 ug/L	96
23) Bromochloromethane	7.51	128	9538	2.053 ug/L	98

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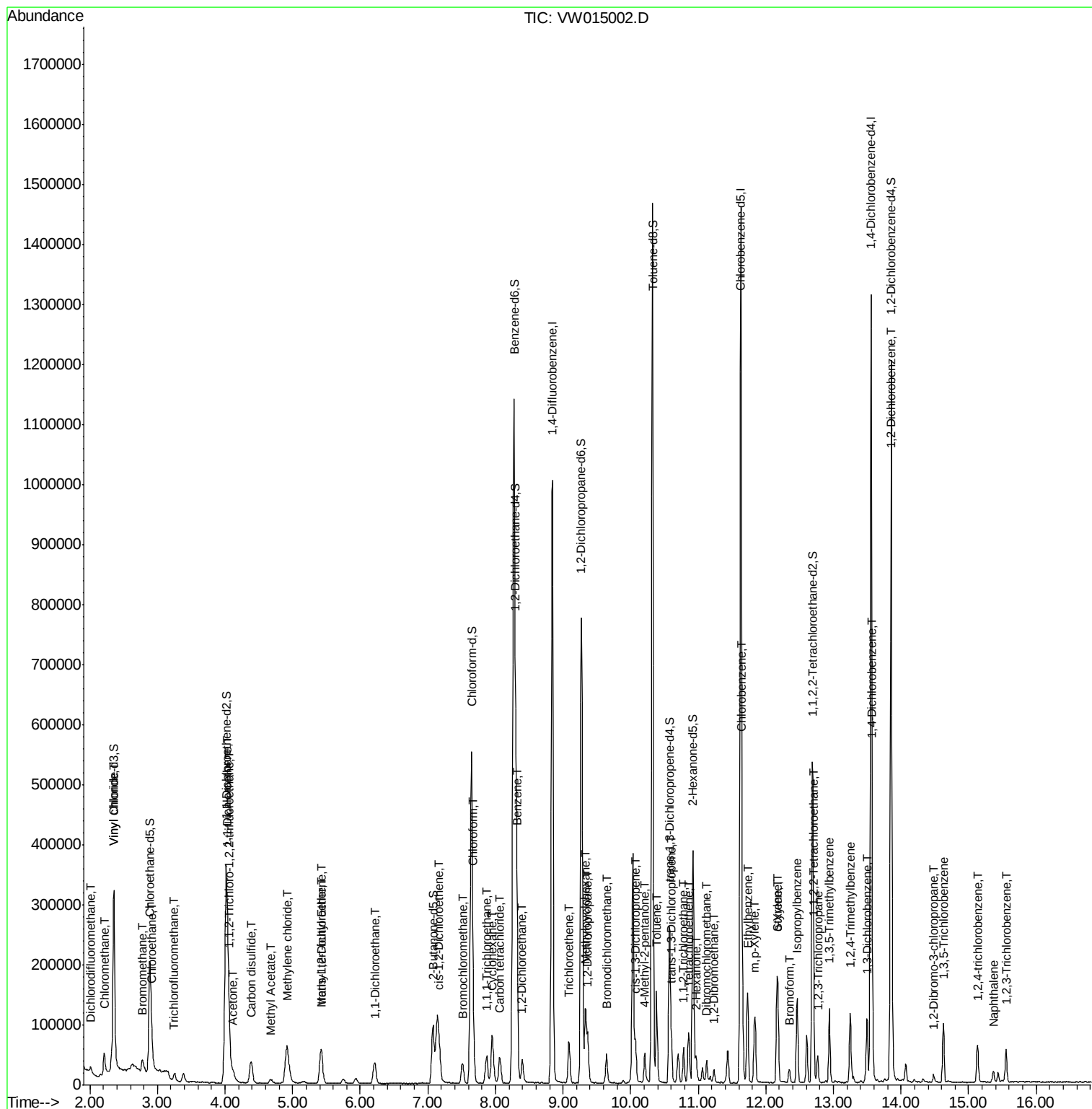
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.67	83	48230	2.180	ug/L	97
27) 1,2-Dichloroethane	8.40	62	34799	2.141	ug/L	98
29) Cyclohexane	7.95	56	37950	1.668	ug/L	100
30) 1,1,1-Trichloroethane	7.87	97	35098	2.068	ug/L	99
31) Carbon tetrachloride	8.06	117	30576	1.999	ug/L	99
33) Benzene	8.32	78	106549	2.080	ug/L	100
34) Trichloroethene	9.09	95	24148	1.968	ug/L	95
35) Methylcyclohexane	9.33	83	37924	1.792	ug/L	95
37) 1,2-Dichloropropane	9.37	63	29166	2.039	ug/L #	95
38) Bromodichloromethane	9.64	83	31125	1.932	ug/L	97
39) cis-1,3-Dichloropropene	10.07	75	35894	1.875	ug/L	99
40) 4-Methyl-2-pentanone	10.21	43	35203	3.456	ug/L	99
42) Toluene	10.38	91	102524	2.071	ug/L	98
44) trans-1,3-Dichloropropene	10.60	75	36232	2.282	ug/L	95
45) 1,1,2-Trichloroethane	10.79	97	17049	1.965	ug/L	99
46) Tetrachloroethene	10.86	164	15468	1.942	ug/L	98
48) 2-Hexanone	10.97	43	26159	3.525	ug/L	97
49) Dibromochloromethane	11.12	129	17176	1.899	ug/L	98
50) 1,2-Dibromoethane	11.23	107	15190	1.942	ug/L	99
51) Chlorobenzene	11.65	112	58130	1.991	ug/L	98
52) Ethylbenzene	11.73	91	99370	1.843	ug/L	98
53) m,p-Xylene	11.84	106	33147	1.752	ug/L	90
54) o-Xylene	12.16	106	29365	1.653	ug/L	94
55) Styrene	12.18	104	48688	1.590	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.71	83	24075	2.073	ug/L #	94
59) Bromoform	12.35	173	9062	2.072	ug/L	97
60) Isopropylbenzene	12.46	105	76547	1.709	ug/L	98
61) 1,2,3-Trichloropropane	12.77	75	17892	2.134	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	60647	1.698	ug/L	100
63) 1,2,4-Trimethylbenzene	13.25	105	57015	1.632	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	36921	2.000	ug/L	99
65) 1,4-Dichlorobenzene	13.58	146	40502	2.128	ug/L	99
67) 1,2-Dichlorobenzene	13.87	146	37499	2.195	ug/L	90
68) 1,2-Dibromo-3-chloropropan	14.48	75	3761	2.145	ug/L #	90
69) 1,3,5-Trichlorobenzene	14.63	180	25751	2.081	ug/L	98
70) 1,2,4-trichlorobenzene	15.13	180	17395	1.876	ug/L	99
71) Naphthalene	15.37	128	14590	1.532	ug/L	96
72) 1,2,3-Trichlorobenzene	15.55	180	16416	1.910	ug/L	99

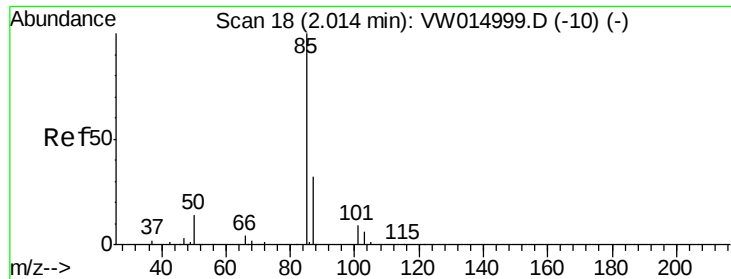
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#2

Dichlorodifluoromethane

Concen: 1.623 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

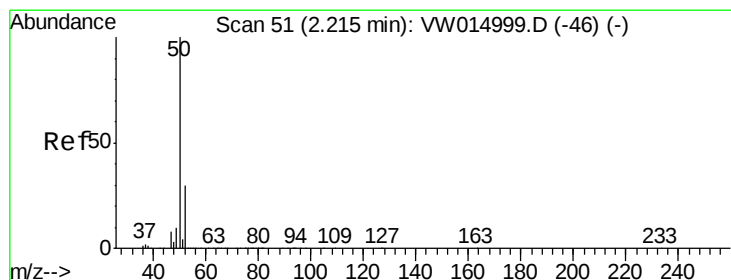
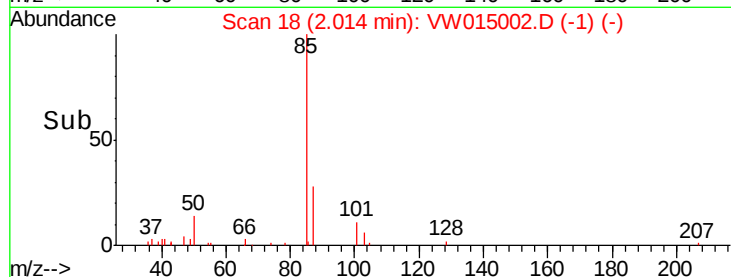
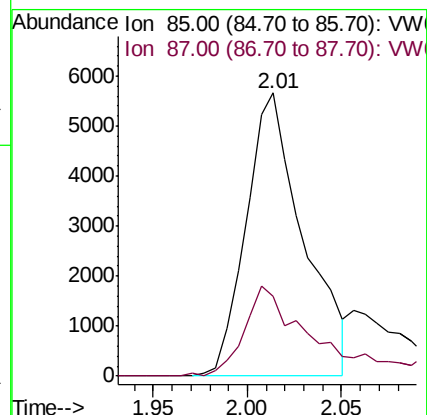
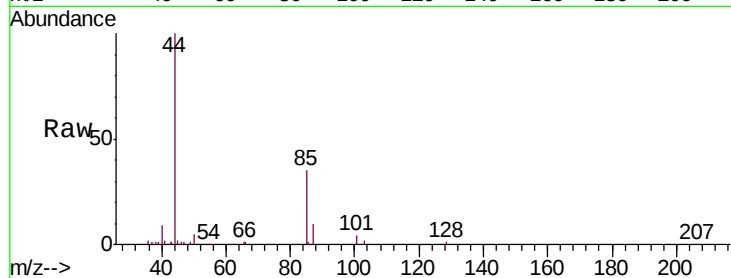
MDL07

Tgt Ion: 85 Resp: 11921

Ion Ratio Lower Upper

85 100

87 32.9 21.5 32.3#



#3

Chloromethane

Concen: 2.112 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015002.D

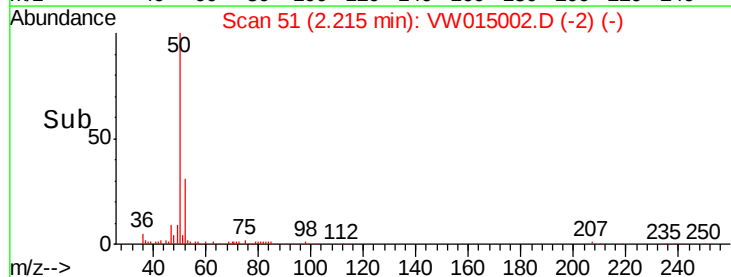
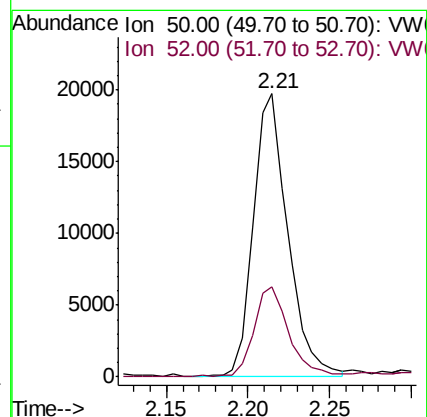
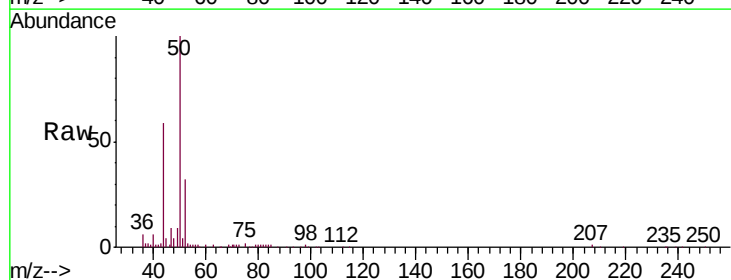
Acq: 17 Feb 2020 16:30

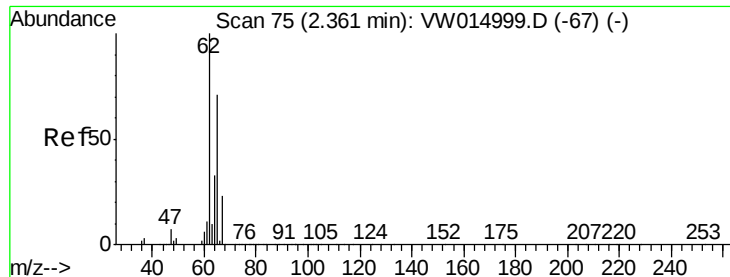
Tgt Ion: 50 Resp: 29163

Ion Ratio Lower Upper

50 100

52 31.6 22.3 41.3





#5

Vinyl chloride

Concen: 2.175 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

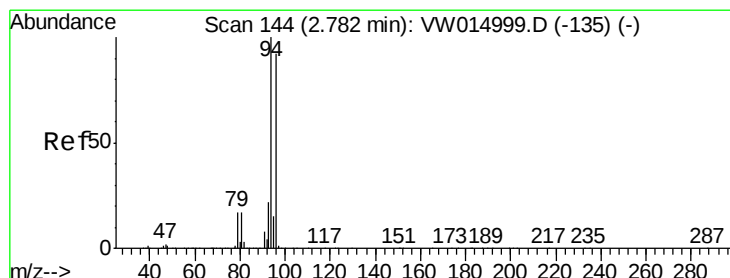
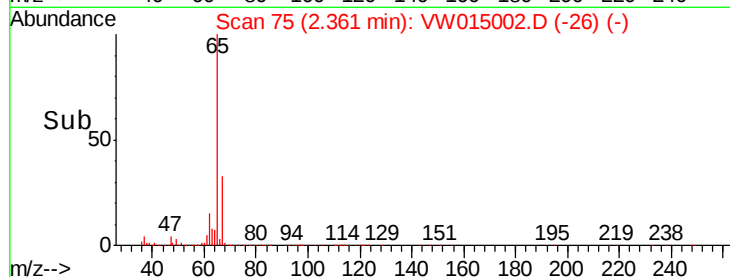
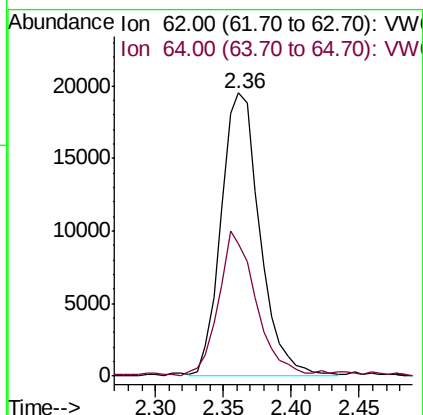
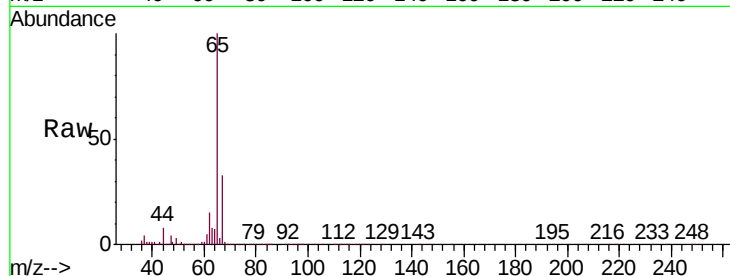
MDL07

Tgt Ion: 62 Resp: 38661

Ion Ratio Lower Upper

62 100

64 46.8 23.6 43.8#



#6

Bromomethane

Concen: 2.037 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015002.D

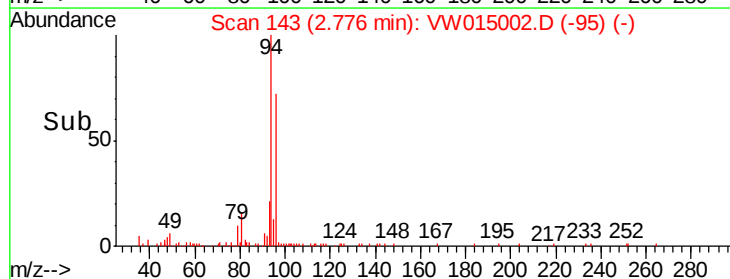
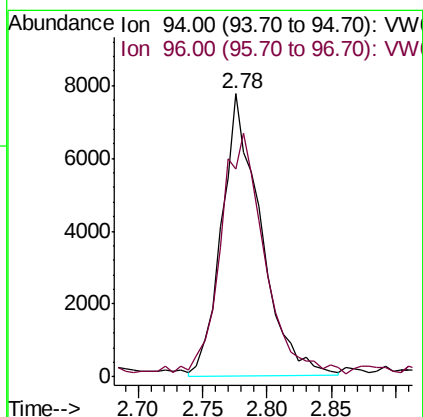
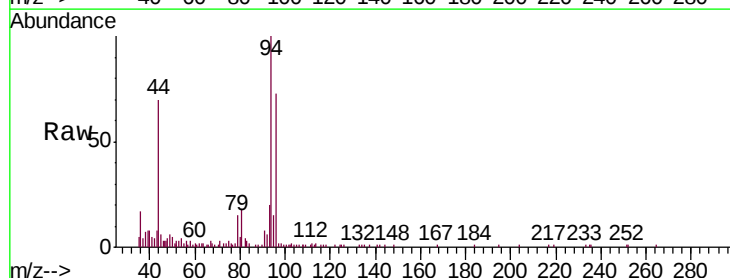
Acq: 17 Feb 2020 16:30

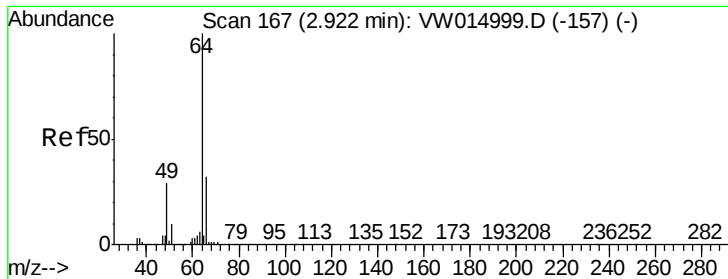
Tgt Ion: 94 Resp: 16422

Ion Ratio Lower Upper

94 100

96 73.4 65.8 122.2





#8

Chloroethane

Concen: 2.169 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

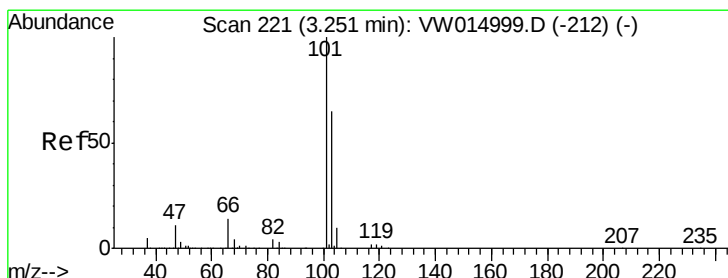
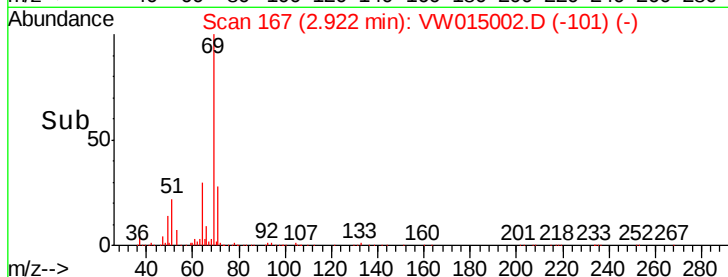
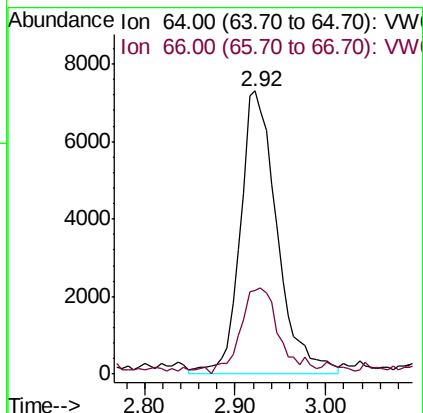
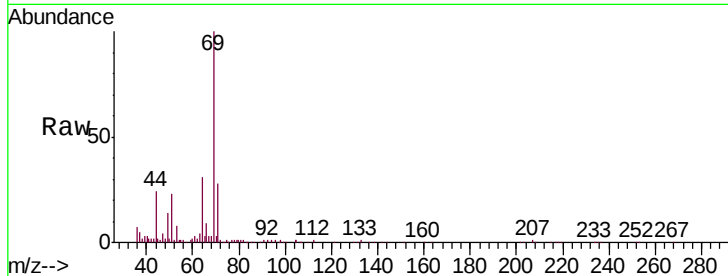
MDL07

Tgt Ion: 64 Resp: 20627

Ion Ratio Lower Upper

64 100

66 29.8 23.1 42.9



#9

Trichlorofluoromethane

Concen: 1.754 ug/L

RT: 3.25 min Scan# 220

Delta R.T. -0.01 min

Lab File: VW015002.D

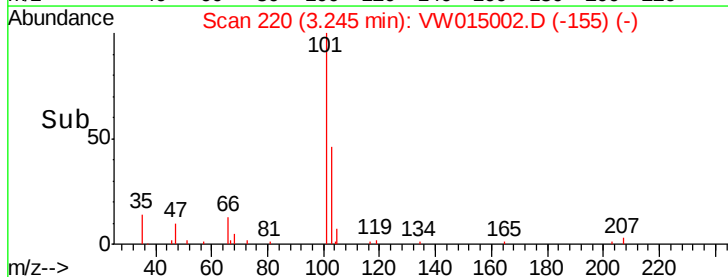
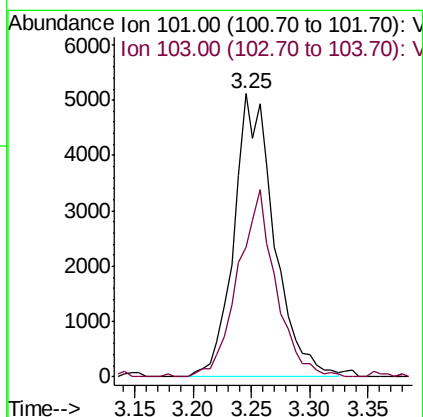
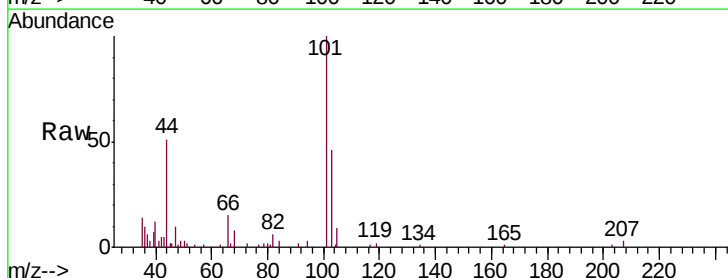
Acq: 17 Feb 2020 16:30

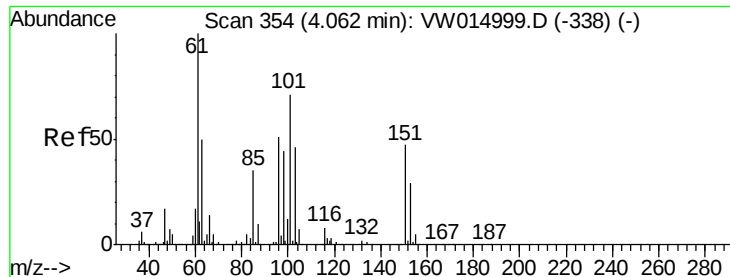
Tgt Ion: 101 Resp: 12313

Ion Ratio Lower Upper

101 100

103 62.0 51.5 77.3





#10

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

Concen: 1.413 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampled :

MDL07

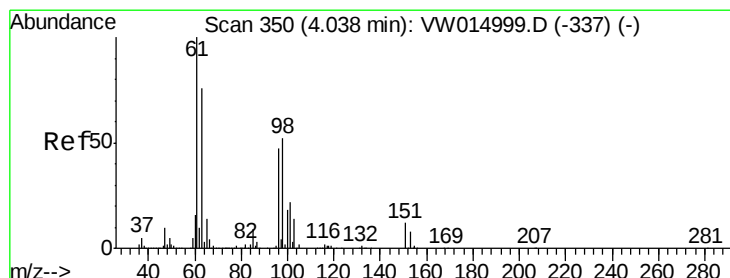
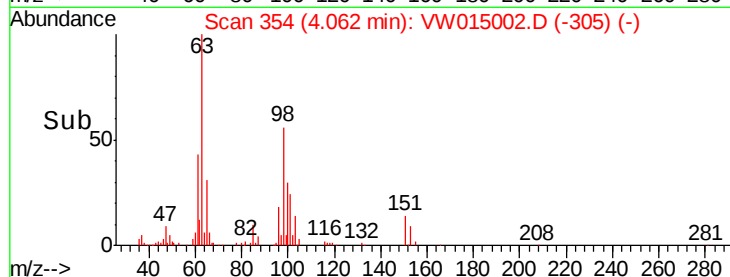
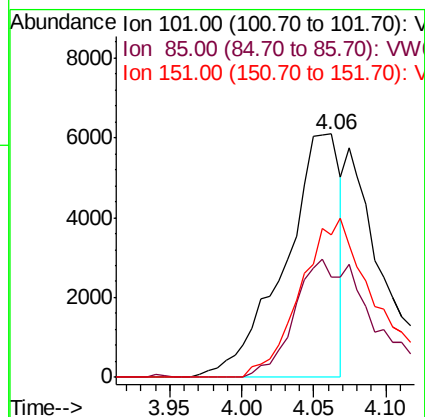
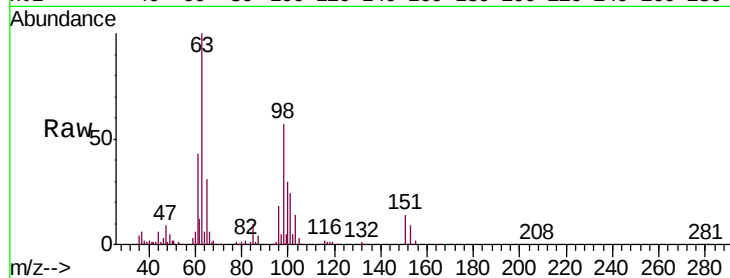
Tgt Ion:101 Resp: 16234

Ion Ratio Lower Upper

101 100

85 24.3 36.5 54.7#

151 84.9 50.2 75.4#



#12

1,1-Dichloroethene

Concen: 2.338 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

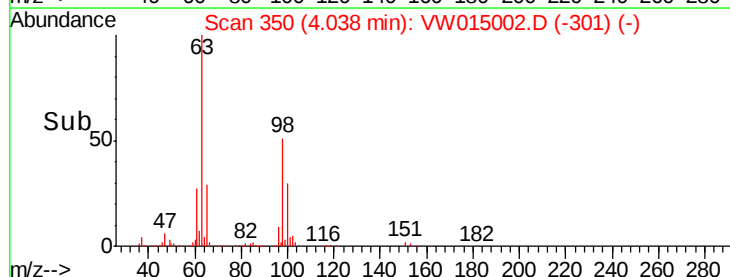
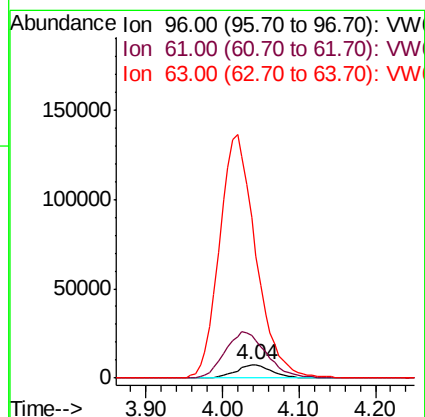
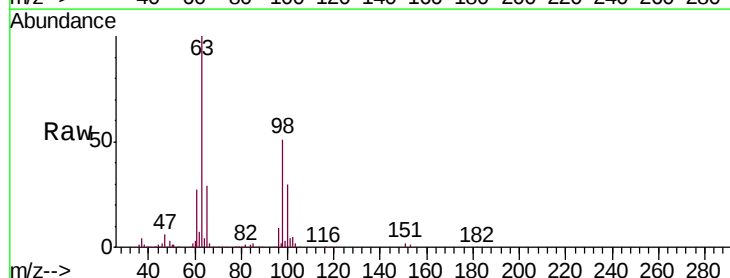
Tgt Ion: 96 Resp: 25749

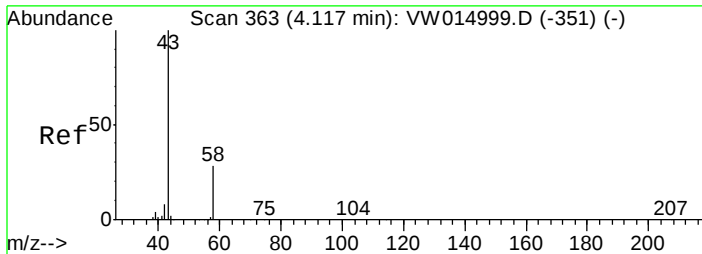
Ion Ratio Lower Upper

96 100

61 309.6 147.0 273.0#

63 1164.9 113.4 210.6#

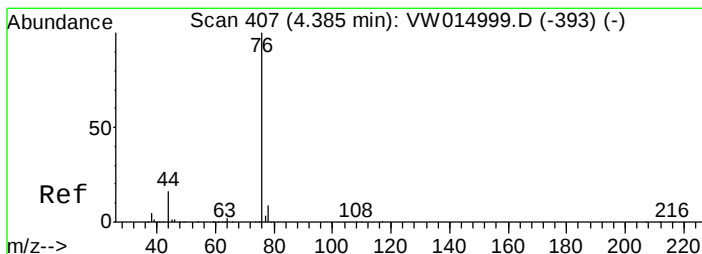
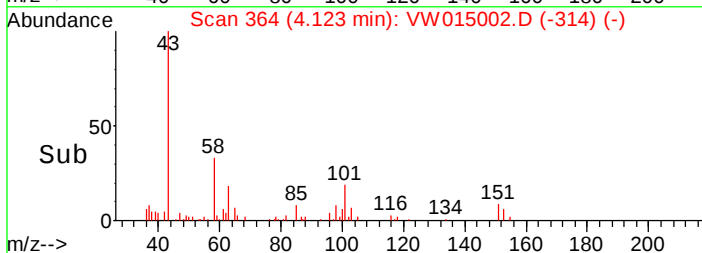
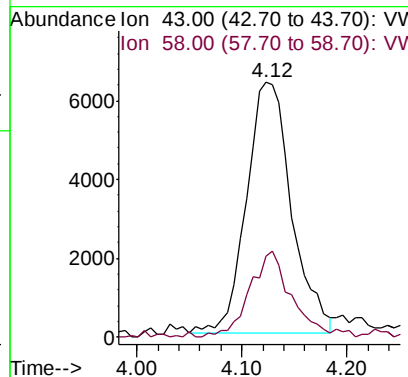
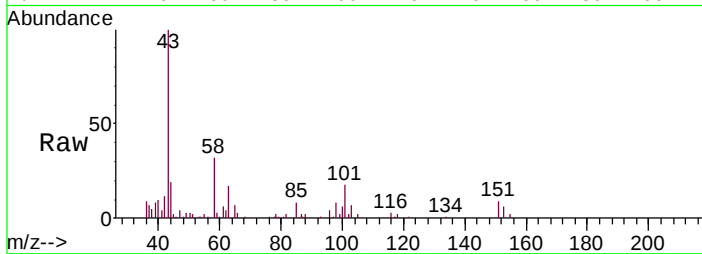




#13
Acetone
Concen: 4.392 ug/L
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW015002.D
Acq: 17 Feb 2020 16:30

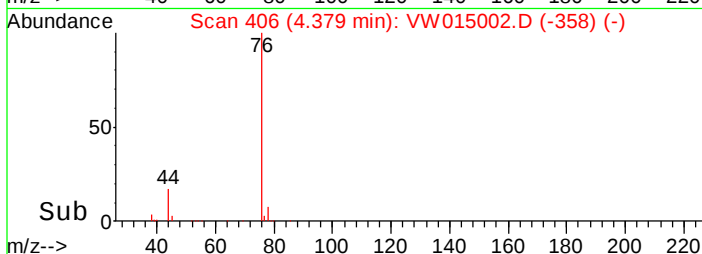
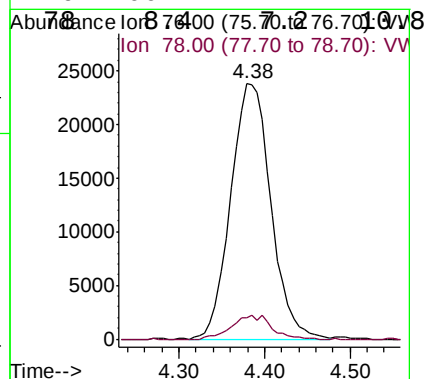
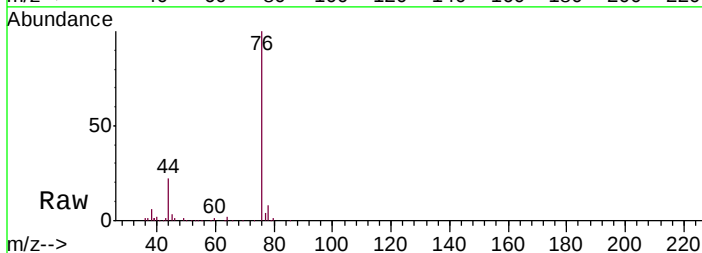
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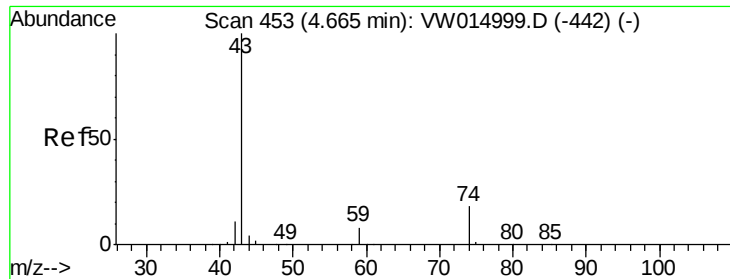
Tgt Ion: 43 Resp: 19021
Ion Ratio Lower Upper
43 100
58 30.9 0.0 54.6



#14
Carbon disulfide
Concen: 1.961 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
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Acq: 17 Feb 2020 16:30

Tgt Ion: 76 Resp: 78103
Ion Ratio Lower Upper
76 100

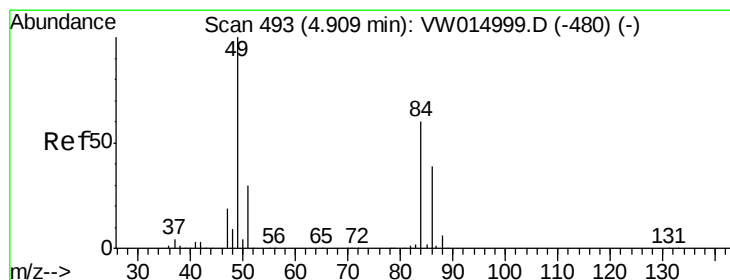
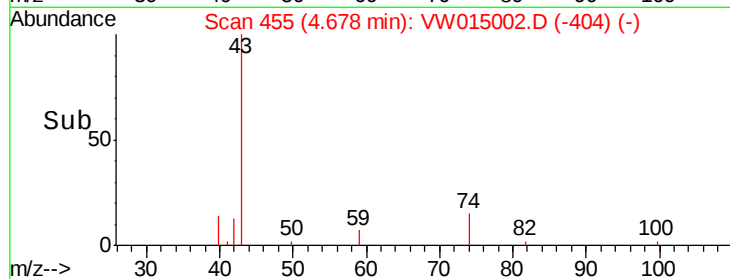
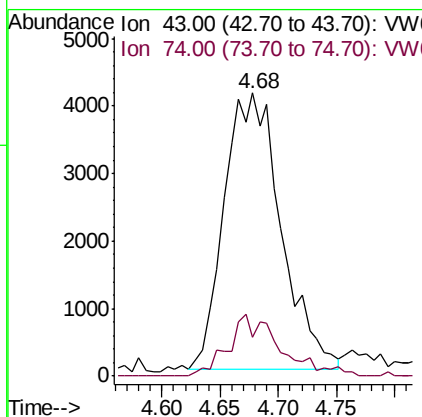
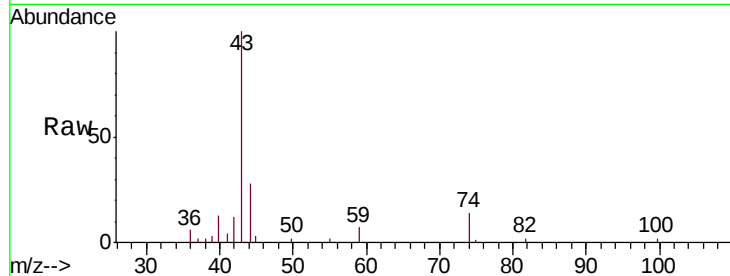




#15
Methyl Acetate
Concen: 1.838 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW015002.D
Acq: 17 Feb 2020 16:30

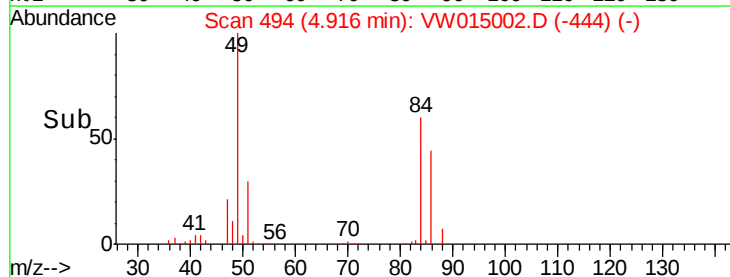
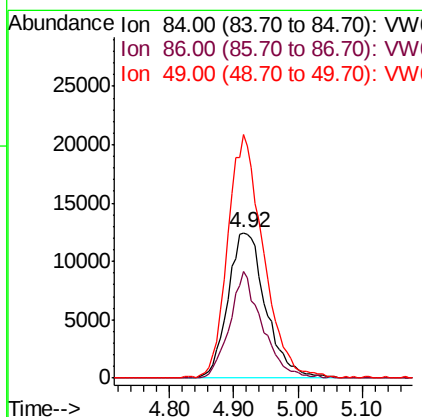
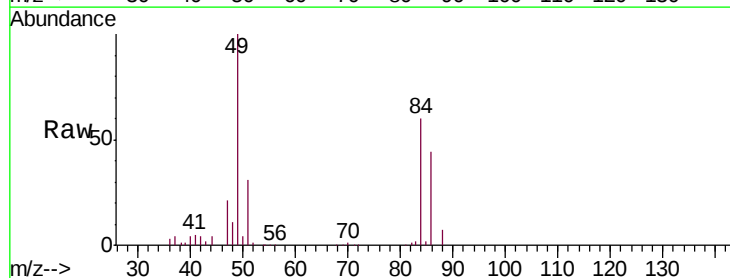
Instrument :
MSVOA_W
ClientSampleId :
MDL07

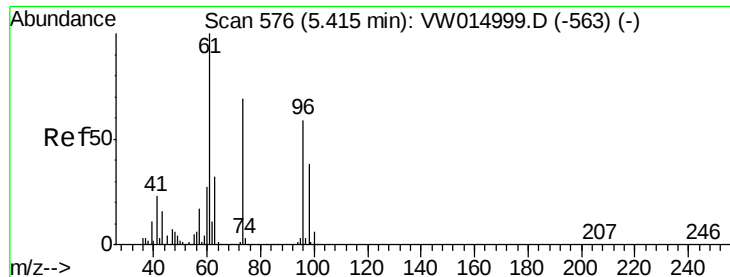
Tgt Ion: 43 Resp: 13813
Ion Ratio Lower Upper
43 100
74 8.4 14.6 21.8#



#16
Methylene chloride
Concen: 3.739 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW015002.D
Acq: 17 Feb 2020 16:30

Tgt Ion: 84 Resp: 51072
Ion Ratio Lower Upper
84 100
86 73.7 44.4 82.4
49 167.6 109.0 202.4

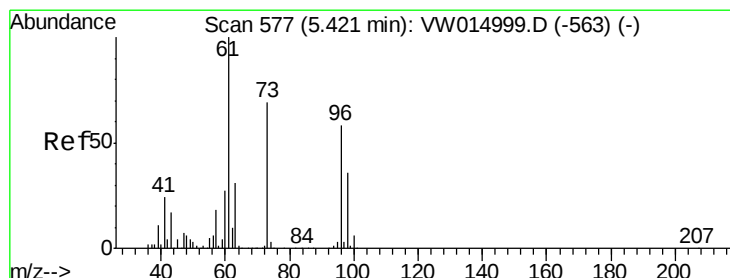
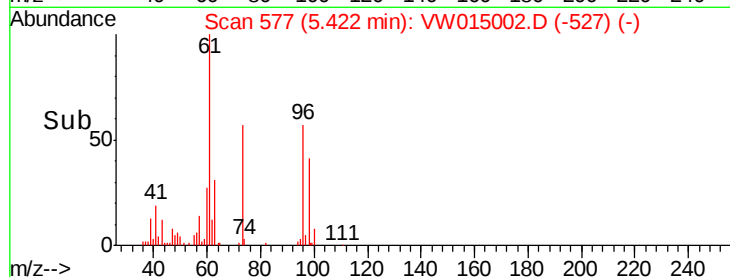
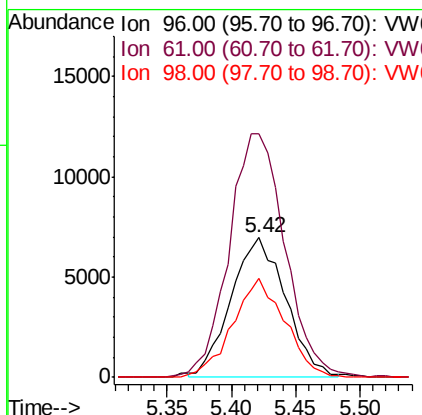
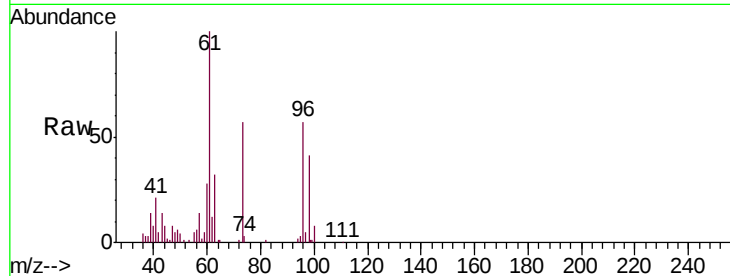




#17
trans-1,2-Dichloroethene
Concen: 1.856 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW015002.D
Acq: 17 Feb 2020 16:30

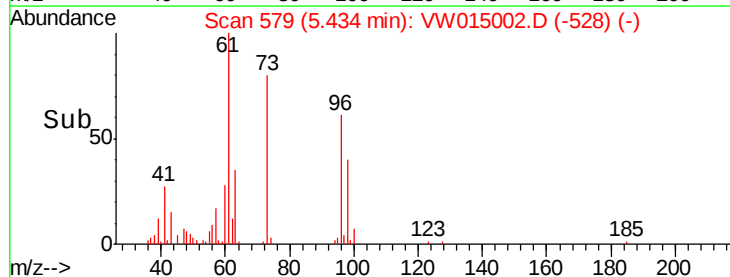
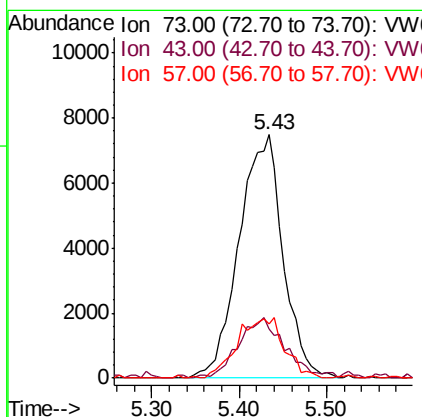
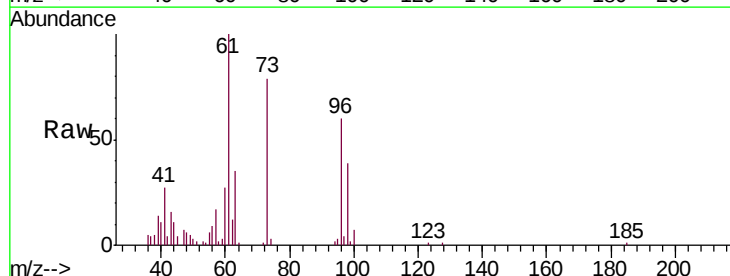
Instrument :
MSVOA_W
ClientSampled :
MDL07

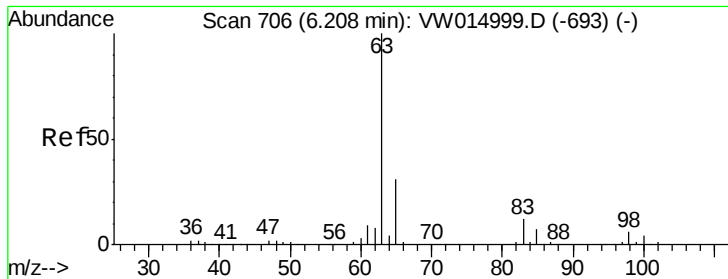
Tgt Ion: 96 Resp: 20632
Ion Ratio Lower Upper
96 100
61 174.5 120.1 223.1
98 71.1 43.8 81.3



#18
Methyl tert-butyl Ether
Concen: 1.897 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015002.D
Acq: 17 Feb 2020 16:30

Tgt Ion: 73 Resp: 26019
Ion Ratio Lower Upper
73 100
43 14.0 19.6 29.4#
57 0.0 21.0 31.4#

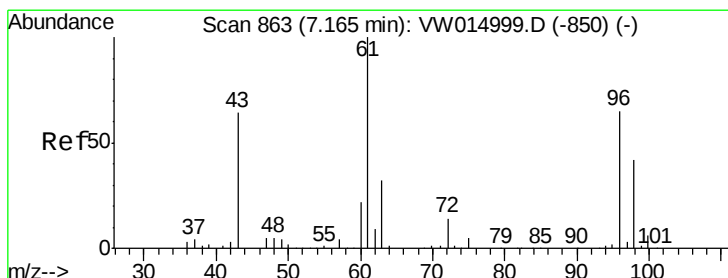
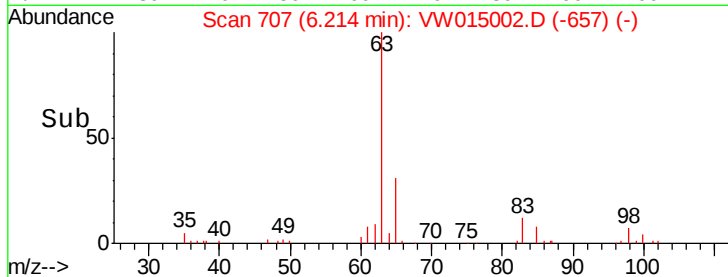
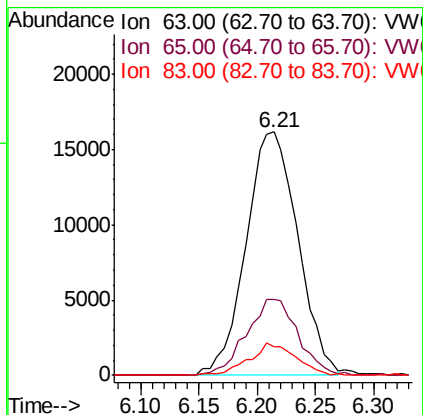
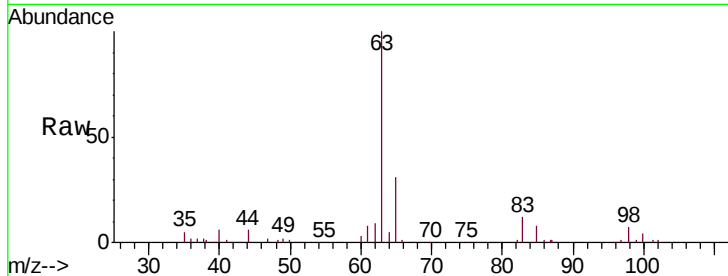




#19
 1,1-Dichloroethane
 Concen: 2.009 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VW015002.D
 Acq: 17 Feb 2020 16:30

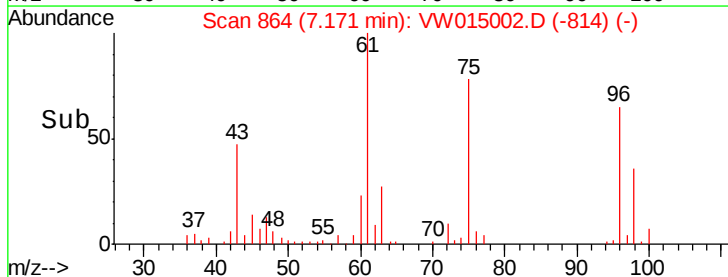
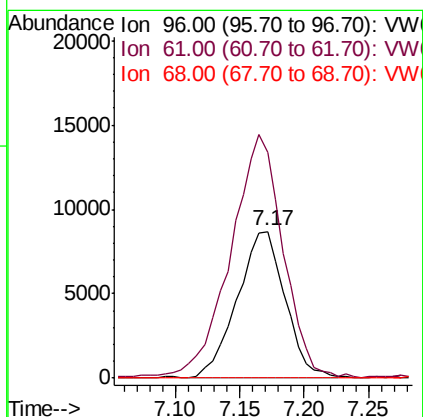
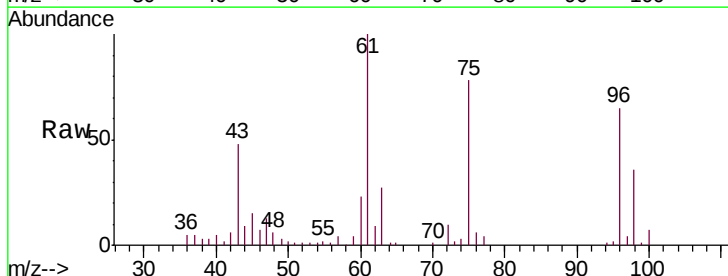
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

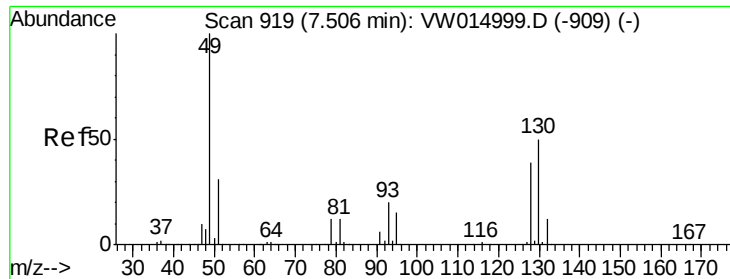
Tgt Ion: 63 Resp: 49868
 Ion Ratio Lower Upper
 63 100
 65 31.1 20.9 38.7
 83 11.6 7.8 14.6



#20
 cis-1,2-Dichloroethene
 Concen: 1.961 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW015002.D
 Acq: 17 Feb 2020 16:30

Tgt Ion: 96 Resp: 22460
 Ion Ratio Lower Upper
 96 100
 61 154.2 111.5 207.1
 68 0.0 0.0 0.0





#23

Bromochloromethane

Concen: 2.053 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

MDL07

Tgt Ion:128 Resp: 9538

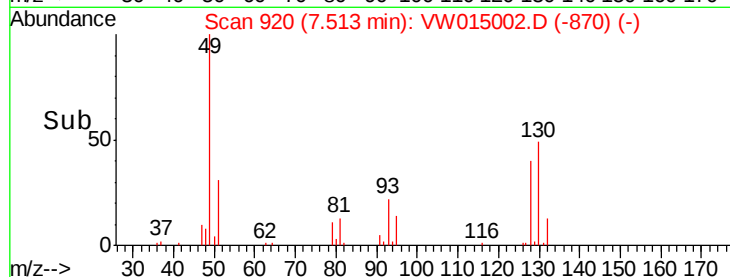
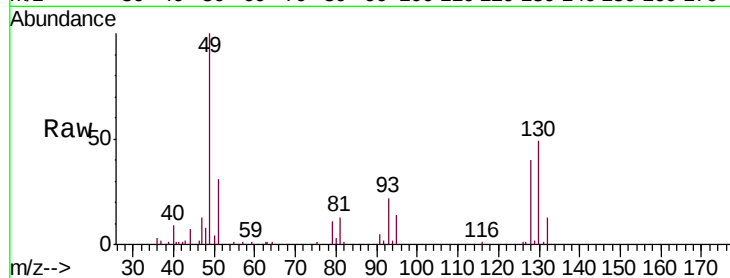
Ion Ratio Lower Upper

128 100

49 249.4 179.0 332.4

130 122.4 85.5 158.7

51 77.4 61.7 92.5

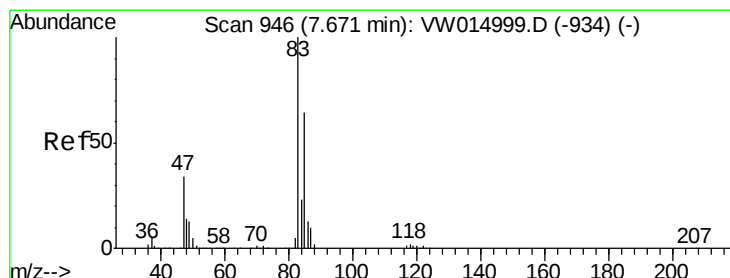
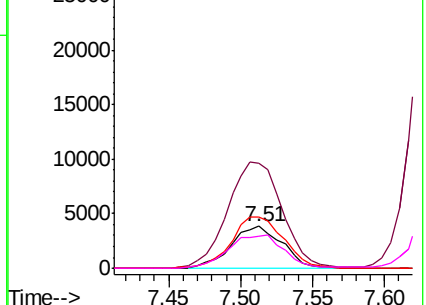


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW



#25

Chloroform

Concen: 2.180 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW015002.D

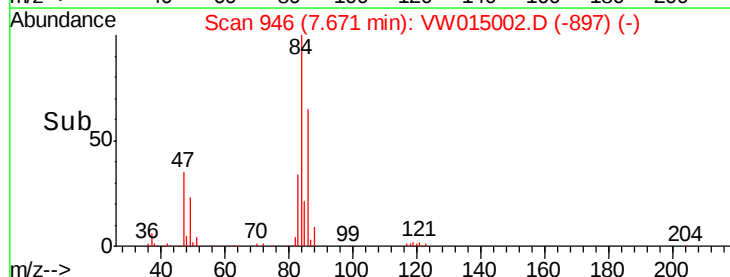
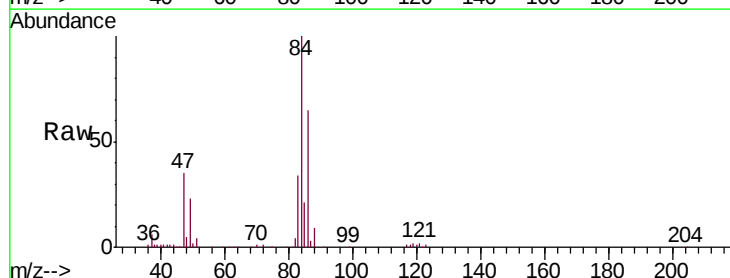
Acq: 17 Feb 2020 16:30

Tgt Ion: 83 Resp: 48230

Ion Ratio Lower Upper

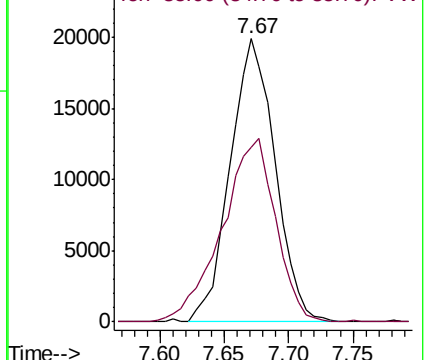
83 100

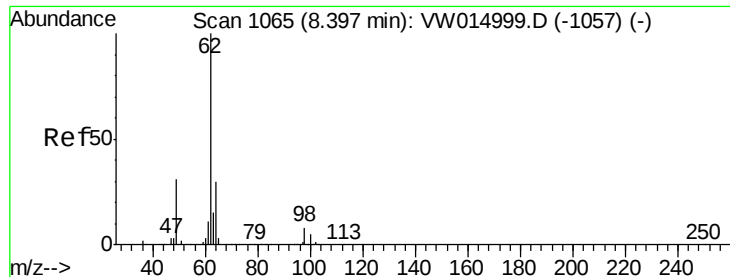
85 61.8 45.1 83.7



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW





#27

1,2-Dichloroethane

Concen: 2.141 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

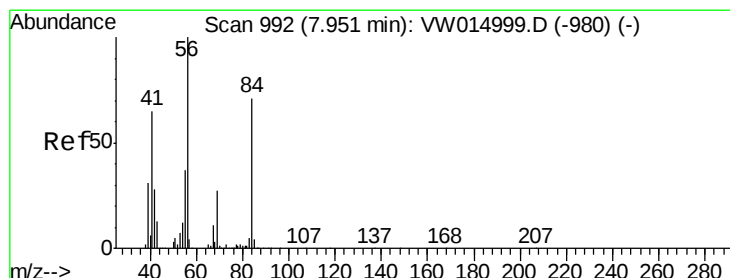
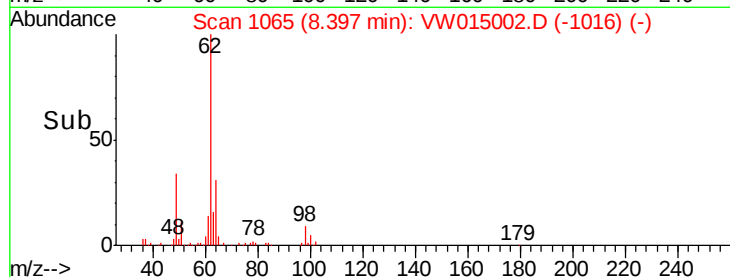
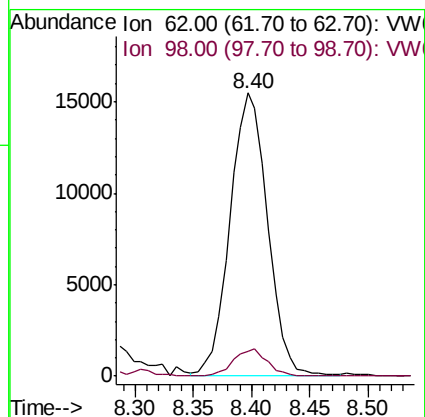
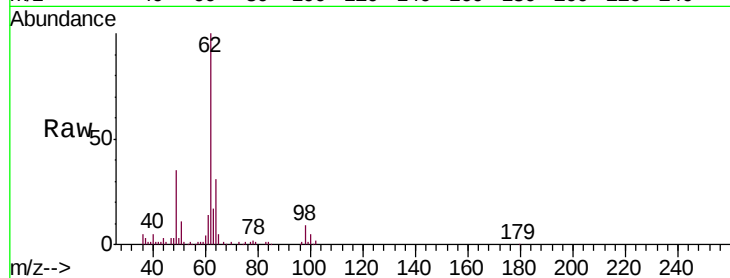
MDL07

Tgt Ion: 62 Resp: 34799

Ion Ratio Lower Upper

62 100

98 8.7 6.2 9.4



#29

Cyclohexane

Concen: 1.668 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

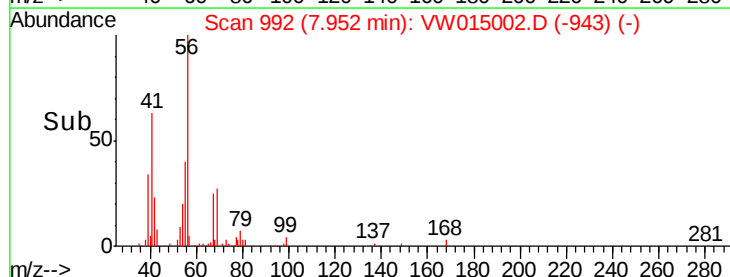
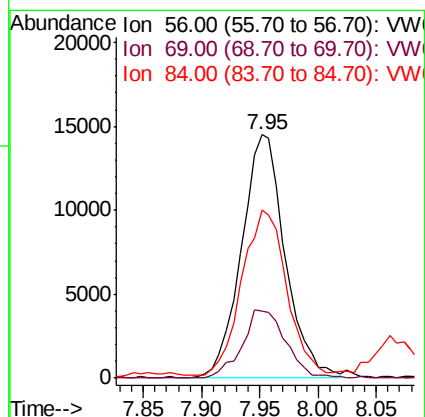
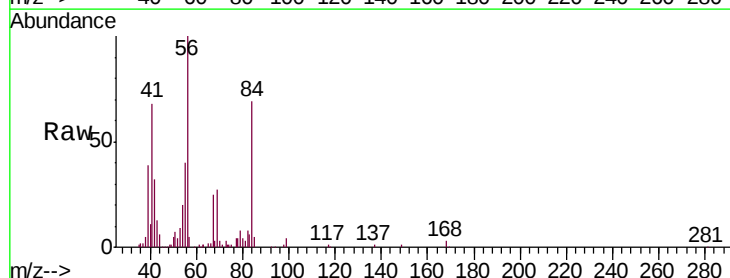
Tgt Ion: 56 Resp: 37950

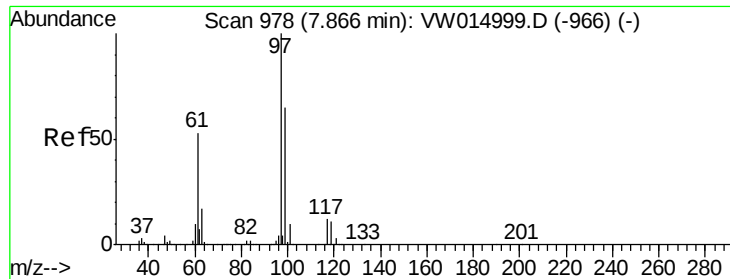
Ion Ratio Lower Upper

56 100

69 27.4 22.0 33.0

84 72.2 57.8 86.6





#30

1,1,1-Trichloroethane

Concen: 2.068 ug/L

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

MDL07

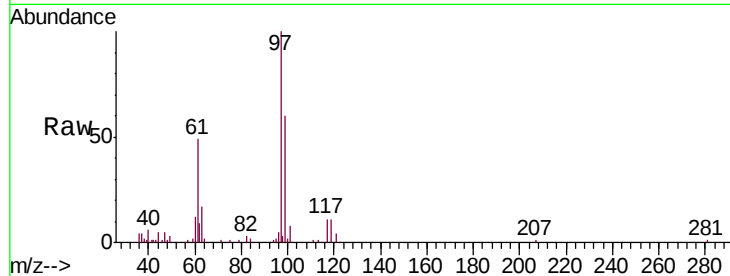
Tgt Ion: 97 Resp: 35098

Ion Ratio Lower Upper

97 100

99 61.8 50.6 75.8

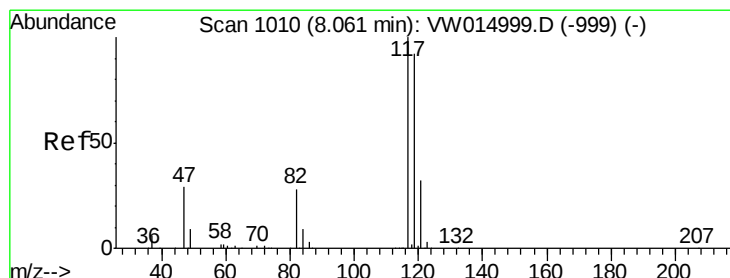
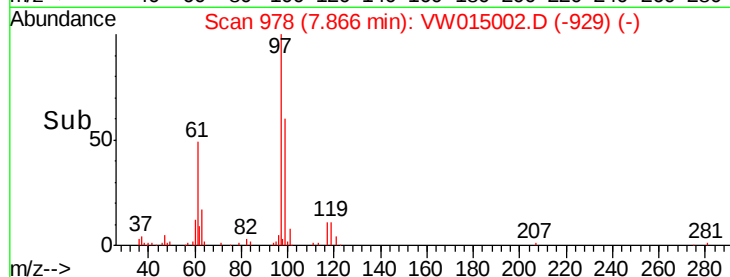
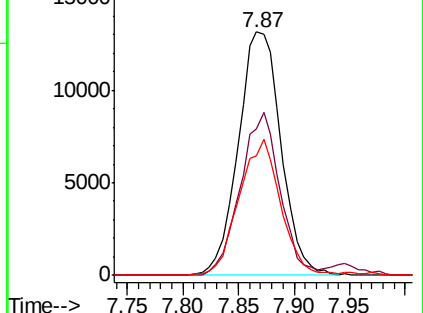
61 54.0 42.7 64.1



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.05 (60.75 to 61.75): VW



#31

Carbon tetrachloride

Concen: 1.999 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW015002.D

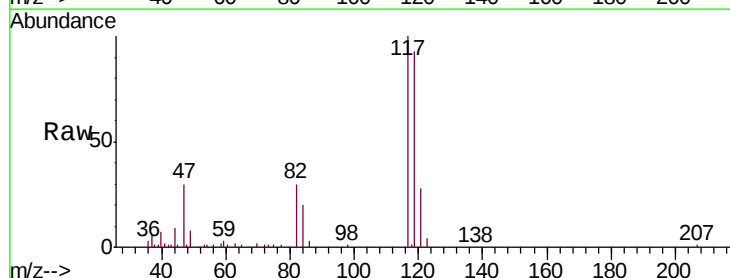
Acq: 17 Feb 2020 16:30

Tgt Ion: 117 Resp: 30576

Ion Ratio Lower Upper

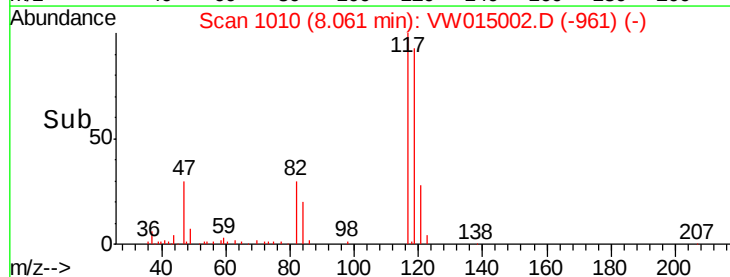
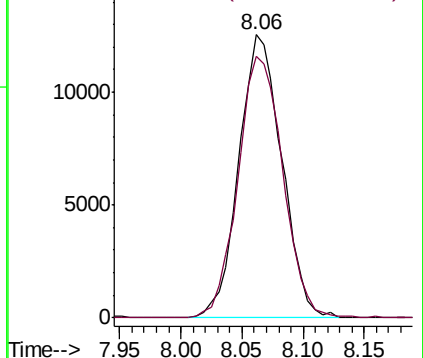
117 100

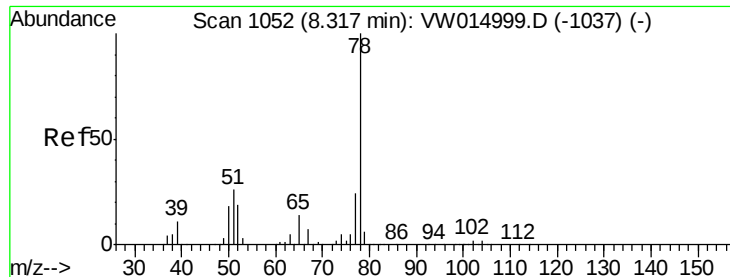
119 96.9 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 2.080 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

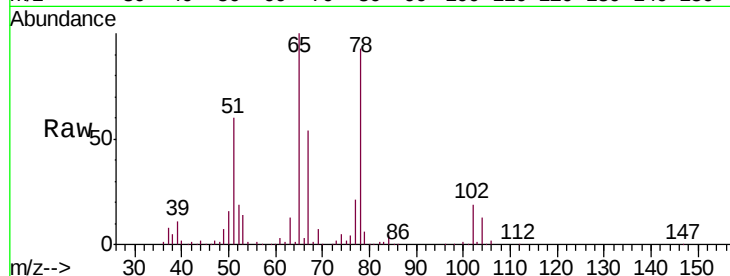
Instrument :

MSVOA_W

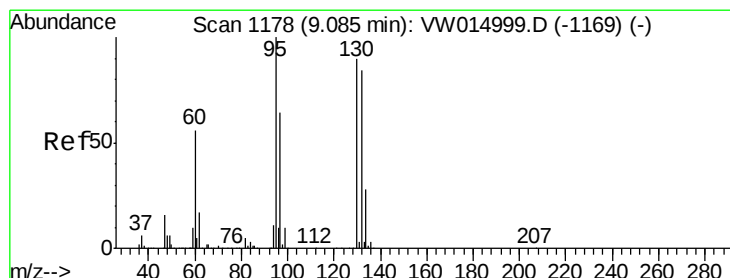
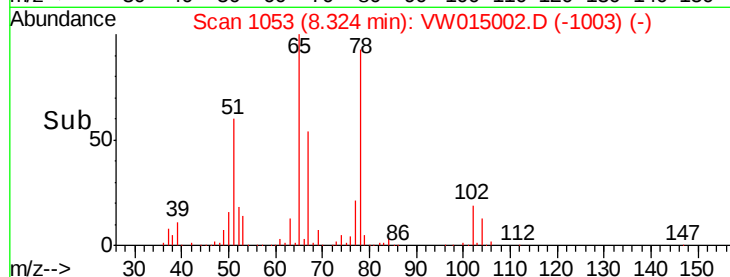
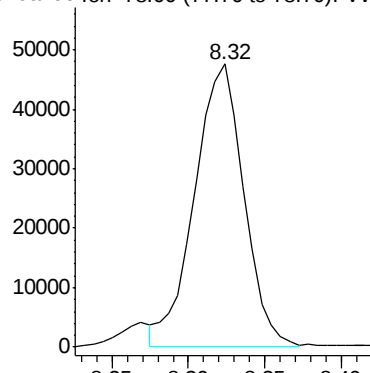
ClientSampleId :

MDL07

Tgt Ion: 78 Resp: 106549



Abundance Ion 78.00 (77.70 to 78.70): VW



#34

Trichloroethene

Concen: 1.968 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Tgt Ion: 95 Resp: 24148

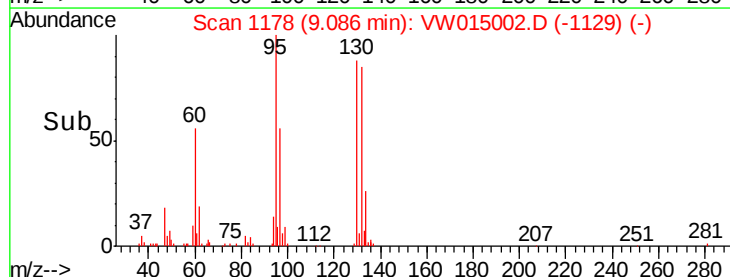
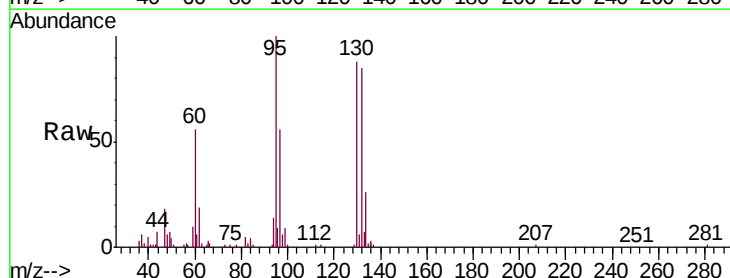
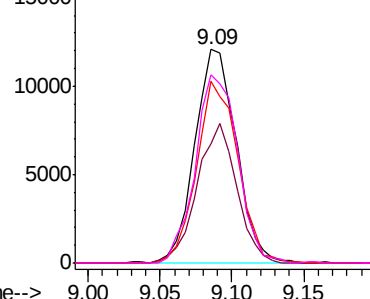
Ion	Ratio	Lower	Upper
95	100		
97	55.9	44.2	82.0
132	84.8	56.1	104.3
130	88.1	60.1	111.7

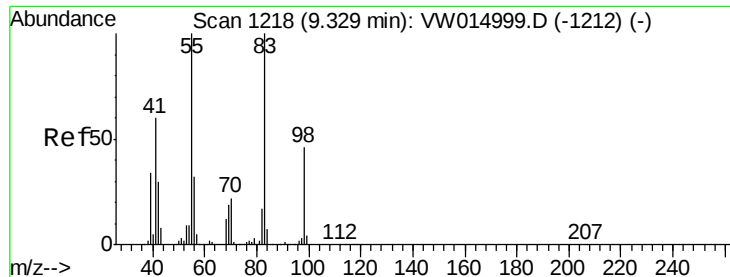
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

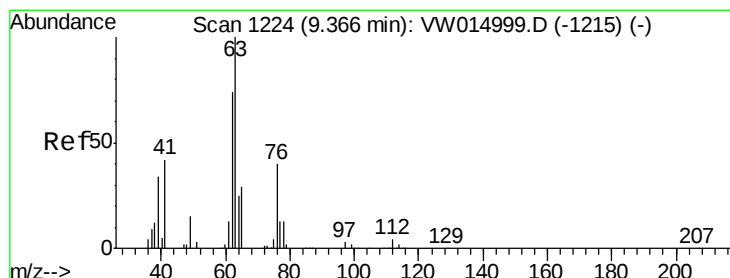
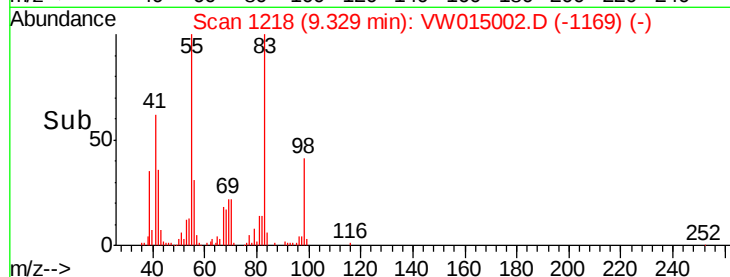
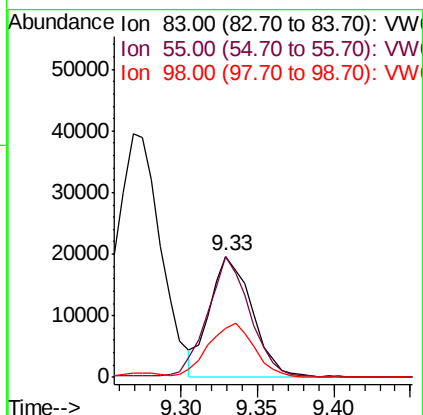
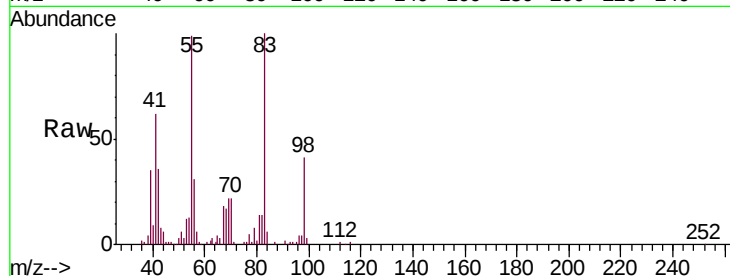




#35
Methylcyclohexane
Concen: 1.792 ug/L
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW015002.D
Acq: 17 Feb 2020 16:30

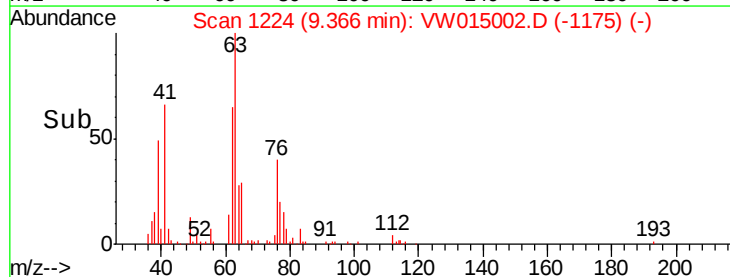
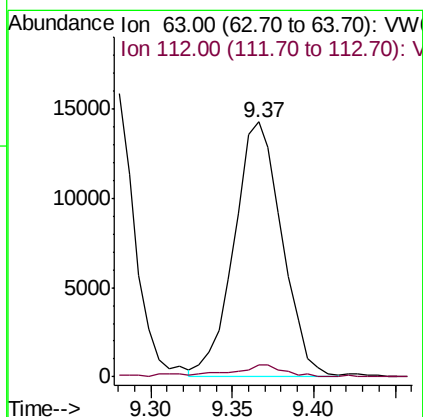
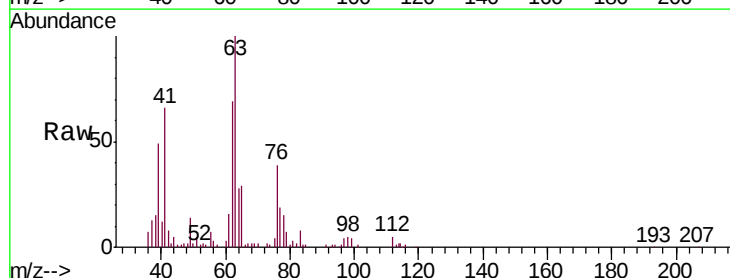
Instrument :
MSVOA_W
ClientSampled :
MDL07

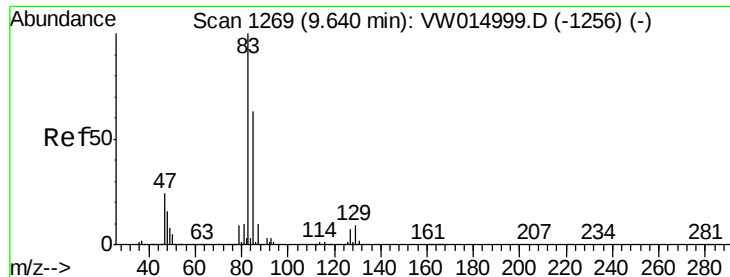
Tgt Ion: 83 Resp: 37924
Ion Ratio Lower Upper
83 100
55 100.2 76.3 114.5
98 48.7 36.4 54.6



#37
1,2-Dichloropropane
Concen: 2.039 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW015002.D
Acq: 17 Feb 2020 16:30

Tgt Ion: 63 Resp: 29166
Ion Ratio Lower Upper
63 100
112 4.9 2.6 4.0#





#38

Bromodichloromethane

Concen: 1.932 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampled :

MDL07

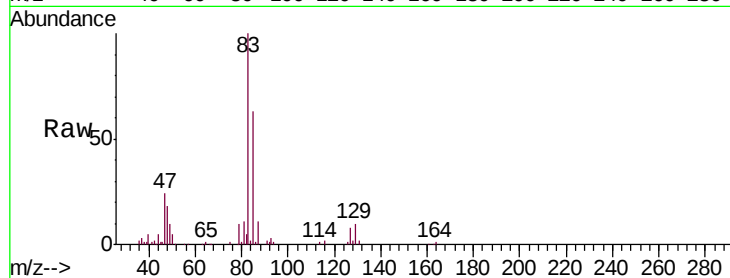
Tgt Ion: 83 Resp: 31125

Ion Ratio Lower Upper

83 100

85 62.6 45.2 84.0

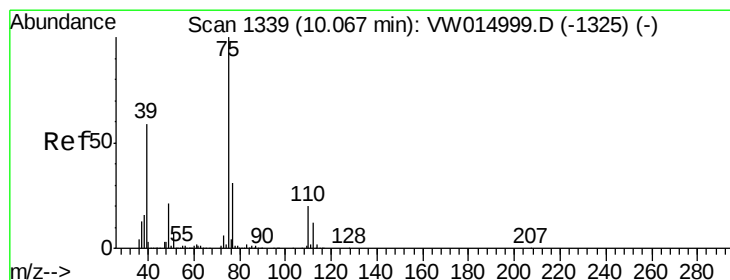
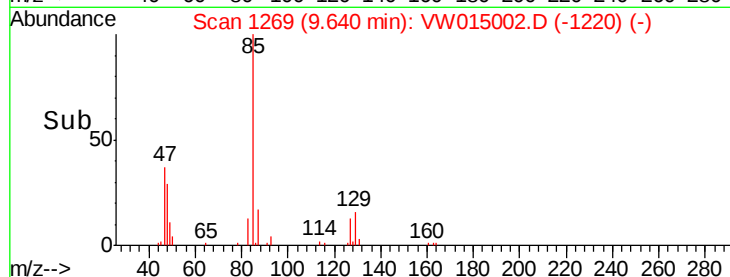
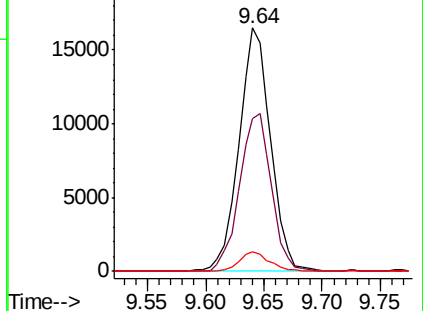
127 7.9 5.5 8.3



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: 1.875 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VW015002.D

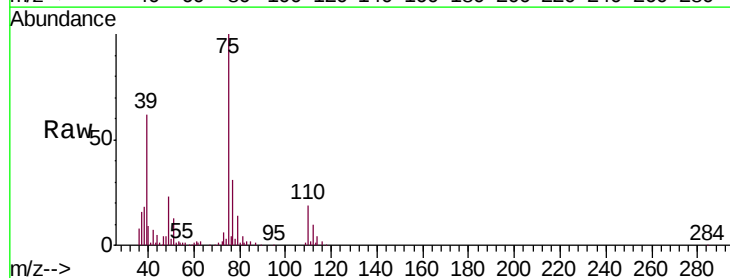
Acq: 17 Feb 2020 16:30

Tgt Ion: 75 Resp: 35894

Ion Ratio Lower Upper

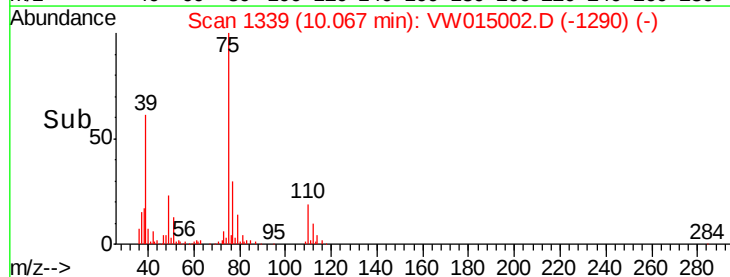
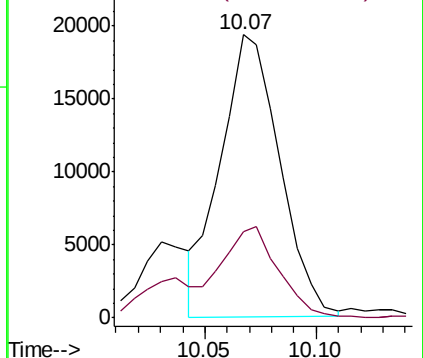
75 100

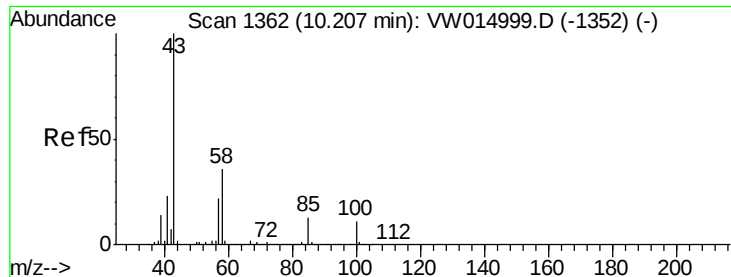
77 30.6 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

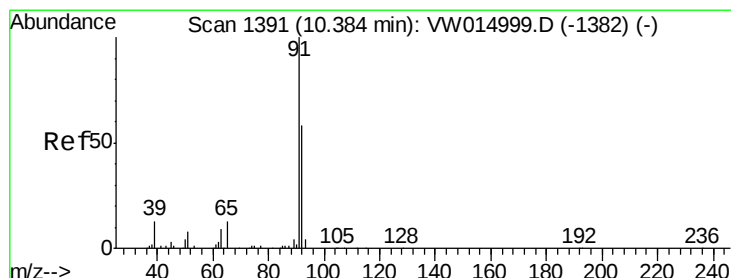
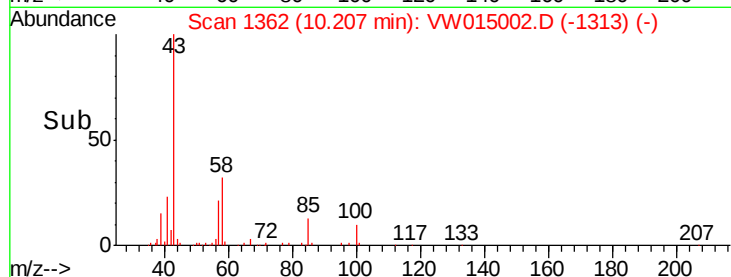
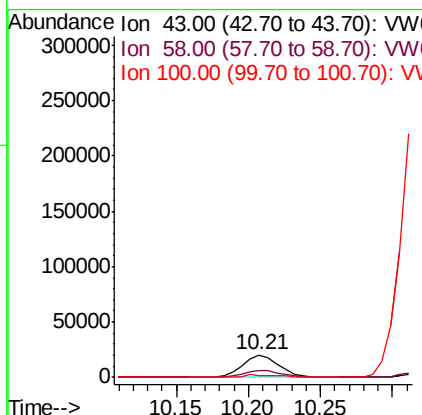
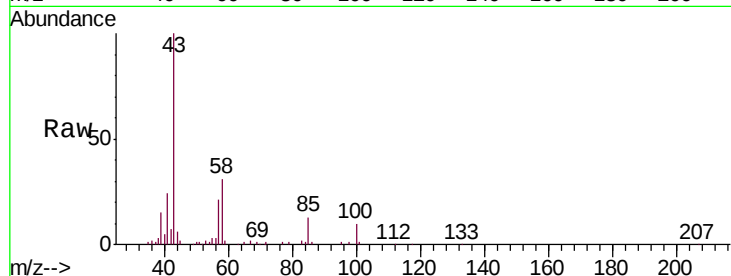




#40
4-Methyl-2-pentanone
Concen: 3.456 ug/L
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW015002.D
Acq: 17 Feb 2020 16:30

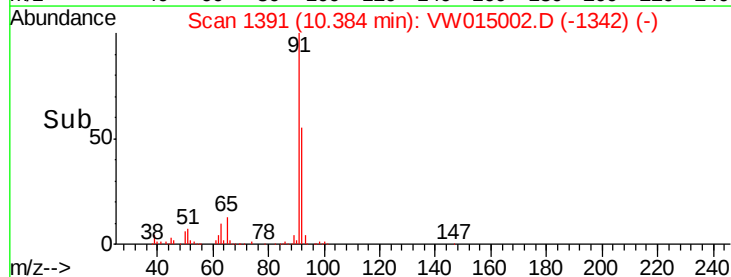
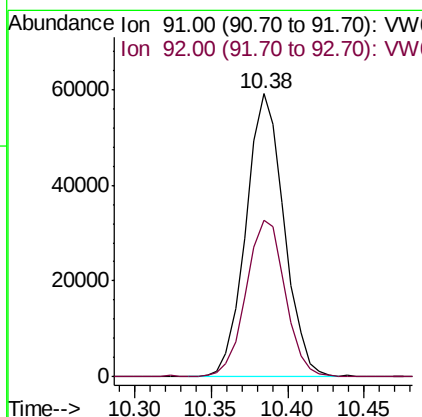
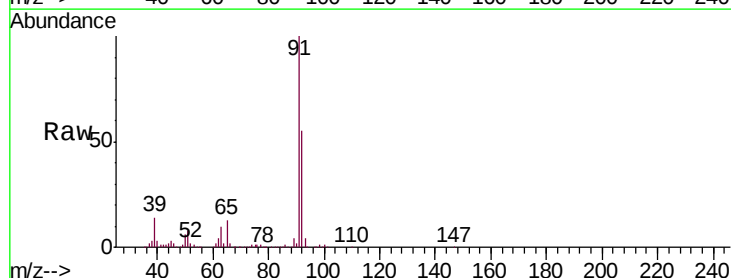
Instrument :
MSVOA_W
ClientSampleId :
MDL07

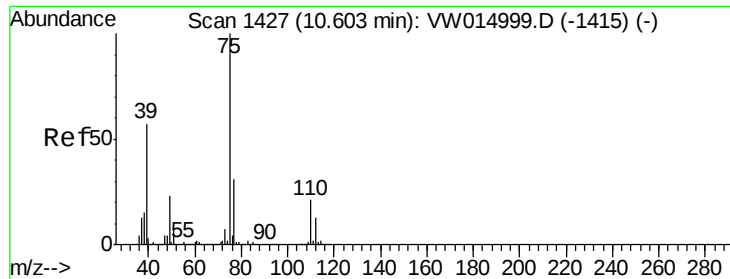
Tgt Ion: 43 Resp: 35203
Ion Ratio Lower Upper
43 100
58 34.0 27.7 41.5
100 11.5 8.6 13.0



#42
Toluene
Concen: 2.071 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW015002.D
Acq: 17 Feb 2020 16:30

Tgt Ion: 91 Resp: 102524
Ion Ratio Lower Upper
91 100
92 55.2 39.5 73.3





#44

trans-1,3-Dichloropropene

Concen: 2.282 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

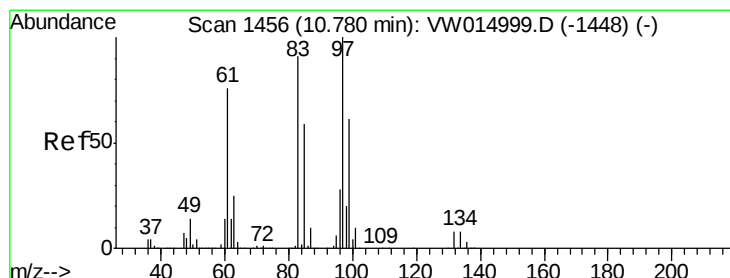
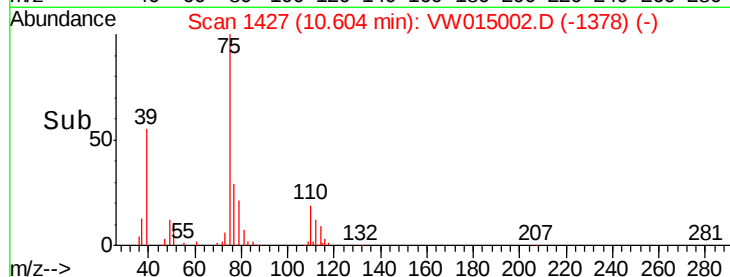
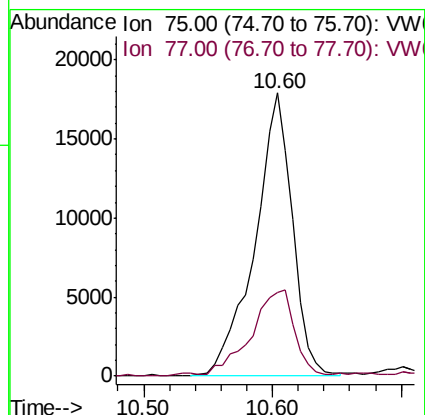
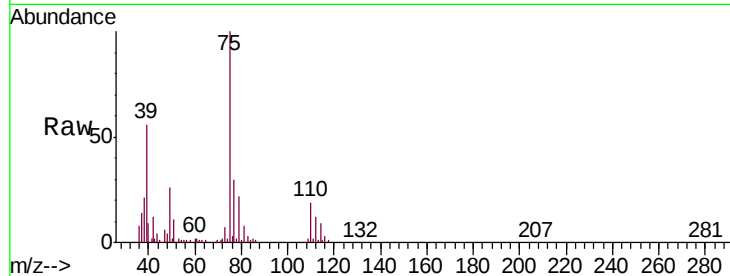
MDL07

Tgt Ion: 75 Resp: 36232

Ion Ratio Lower Upper

75 100

77 29.8 22.7 42.1



#45

1,1,2-Trichloroethane

Concen: 1.965 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.01 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Tgt Ion: 97 Resp: 17049

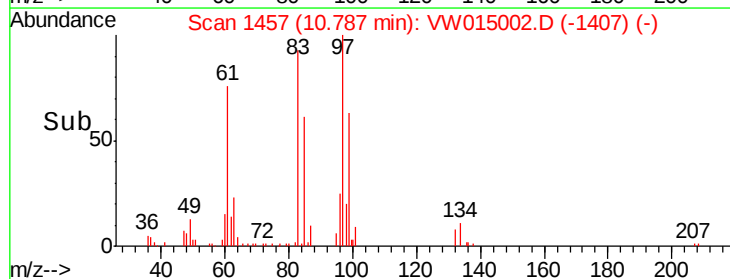
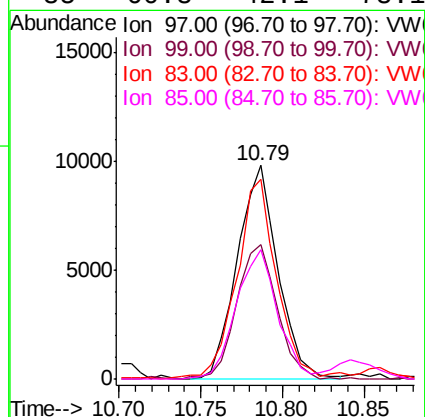
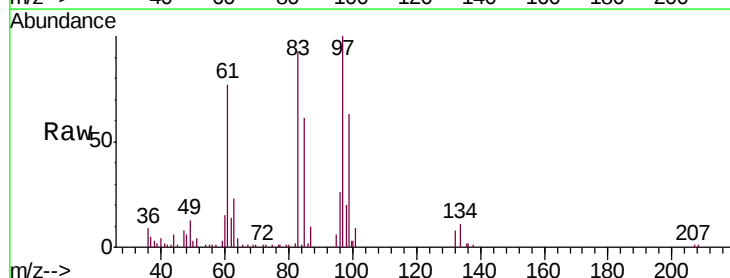
Ion Ratio Lower Upper

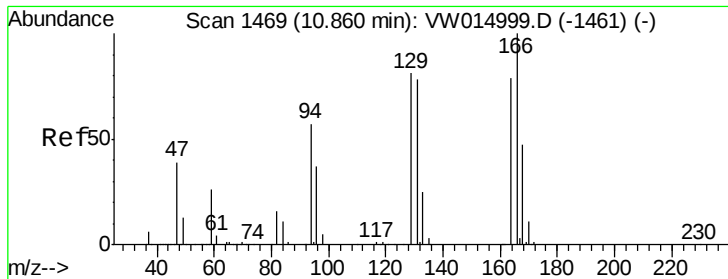
97 100

99 62.9 44.2 82.0

83 93.4 64.1 119.1

85 60.8 42.1 78.1





#46

Tetrachloroethene

Concen: 1.942 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

MDL07

Tgt Ion:164 Resp: 15468

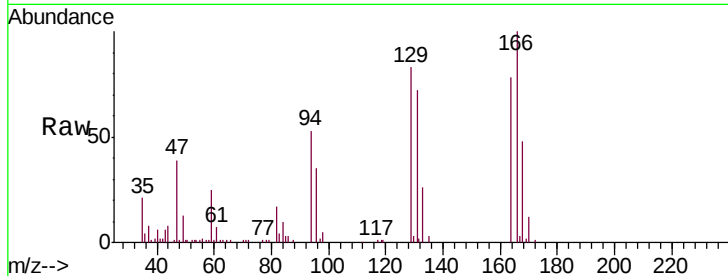
Ion Ratio Lower Upper

164 100

129 107.7 72.2 134.2

131 95.8 68.1 126.5

166 129.0 90.6 168.2

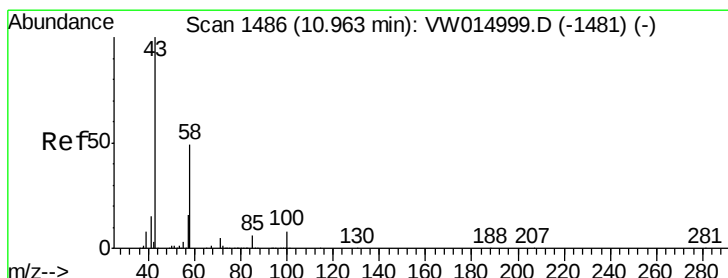
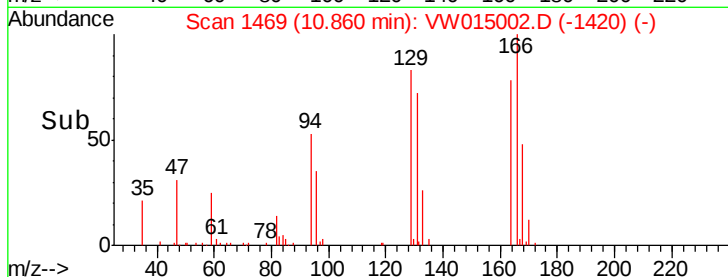
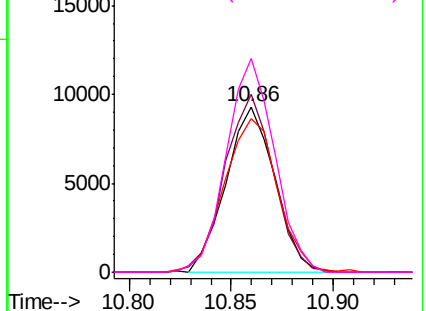


Abundance Ion 164.00 (163.70 to 164.70): V

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: 3.525 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Tgt Ion: 43 Resp: 26159

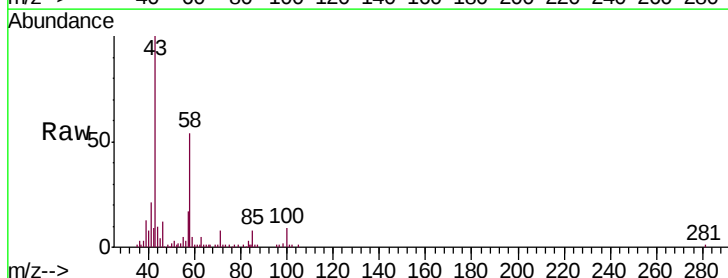
Ion Ratio Lower Upper

43 100

58 47.4 39.2 58.8

57 18.4 13.1 19.7

100 9.2 7.0 10.4

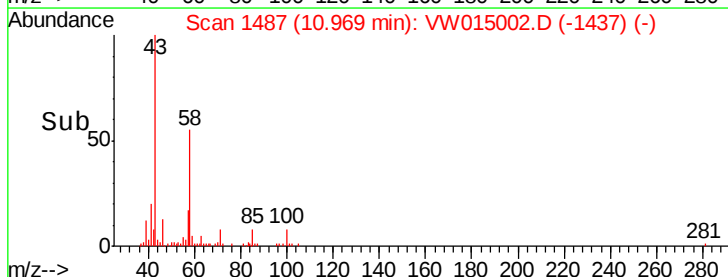
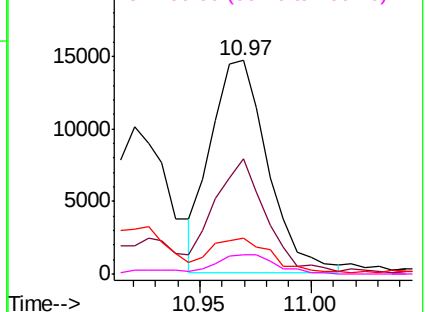


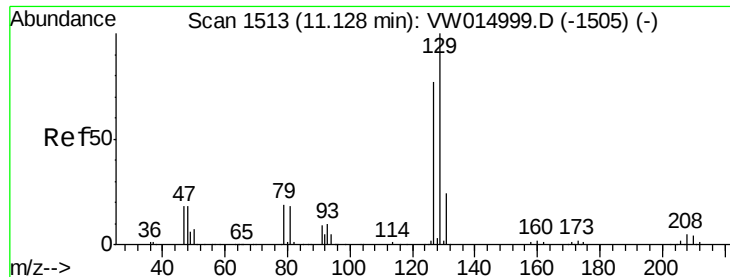
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#49

Dibromochloromethane

Concen: 1.899 ug/L

RT: 11.12 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

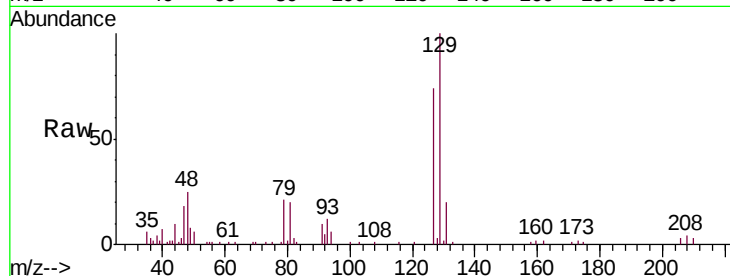
MDL07

Tgt Ion:129 Resp: 17176

Ion Ratio Lower Upper

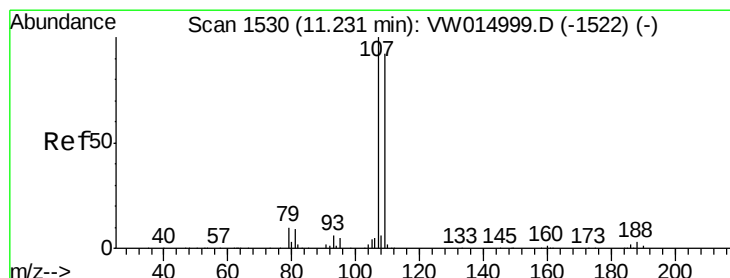
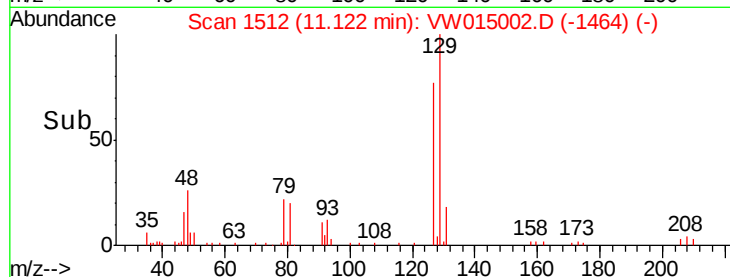
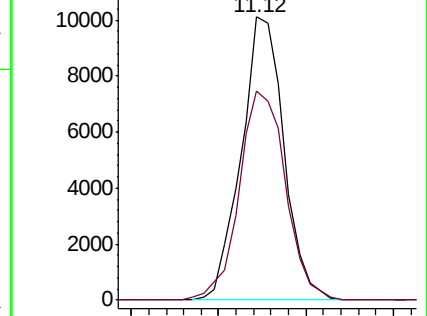
129 100

127 73.8 53.0 98.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 1.942 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

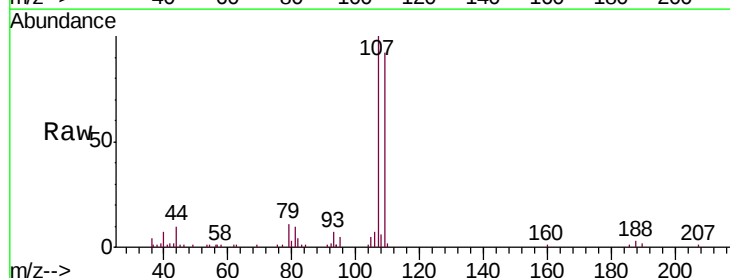
Tgt Ion:107 Resp: 15190

Ion Ratio Lower Upper

107 100

109 92.0 65.1 120.9

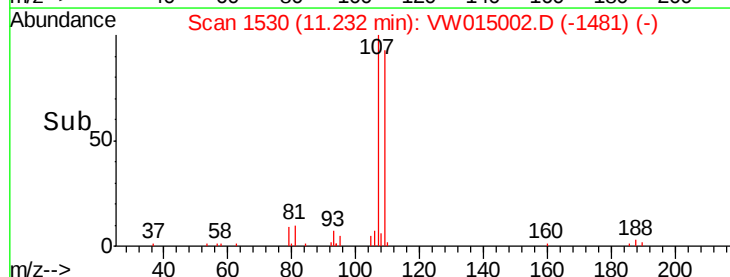
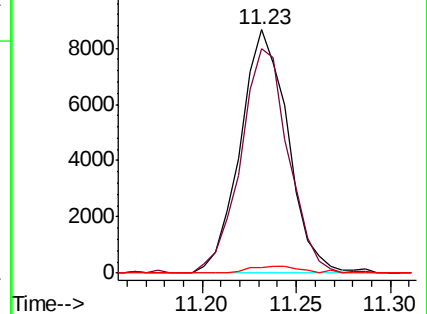
188 2.5 2.4 3.6

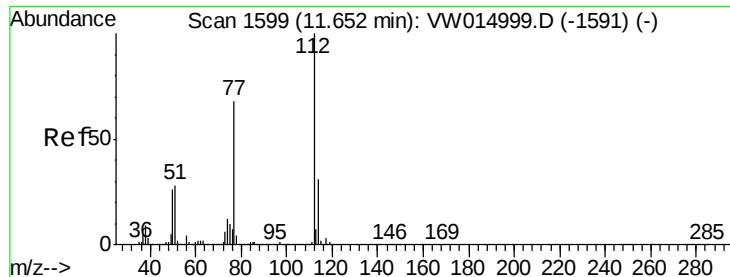


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 1.991 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

MDL07

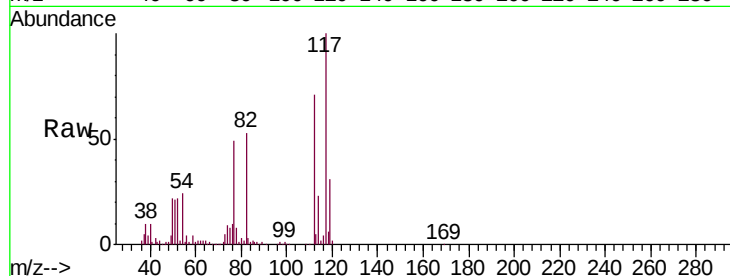
Tgt Ion: 112 Resp: 58130

Ion Ratio Lower Upper

112 100

114 33.1 22.6 42.0

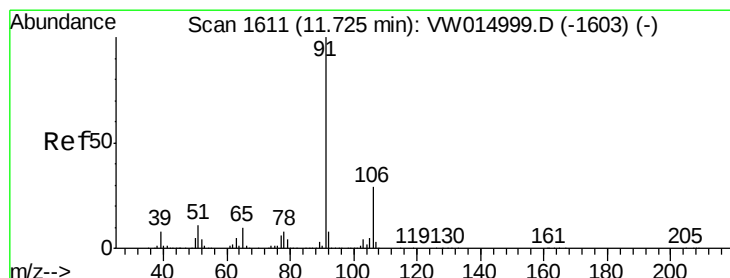
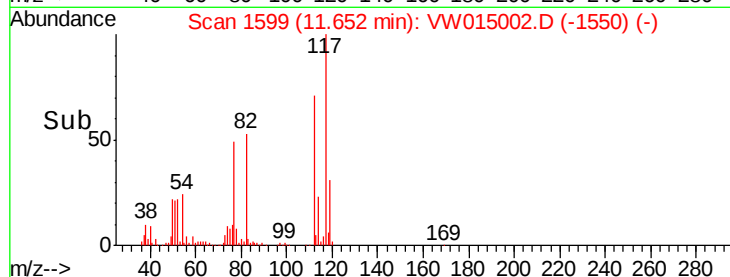
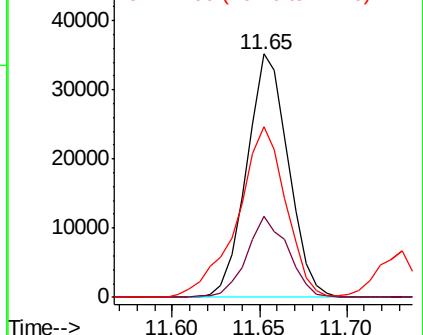
77 69.9 54.6 82.0



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: 1.843 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW015002.D

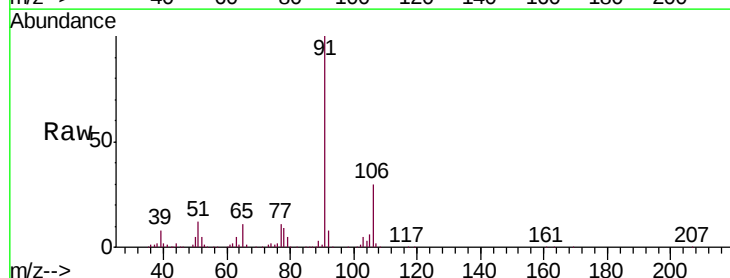
Acq: 17 Feb 2020 16:30

Tgt Ion: 91 Resp: 99370

Ion Ratio Lower Upper

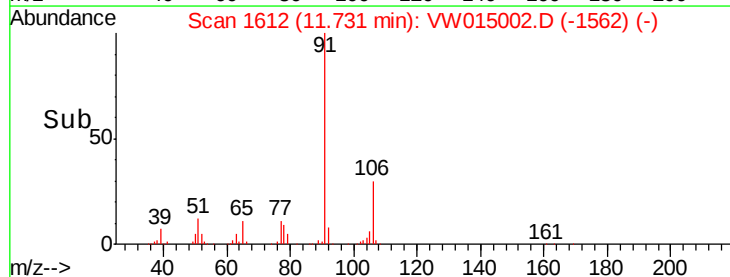
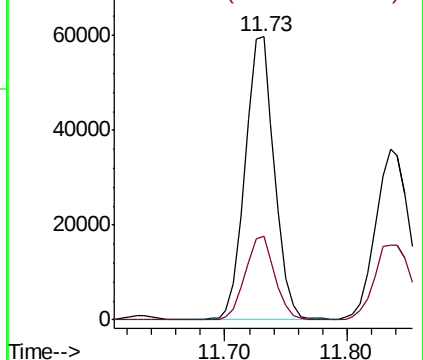
91 100

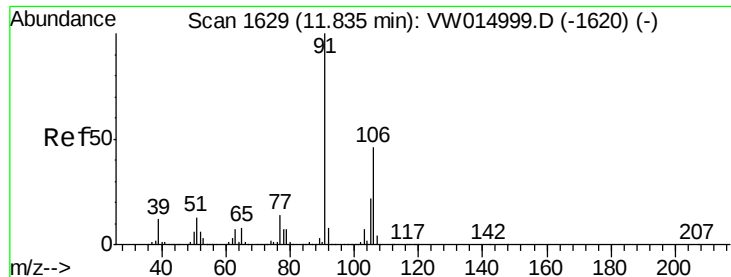
106 29.7 20.2 37.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

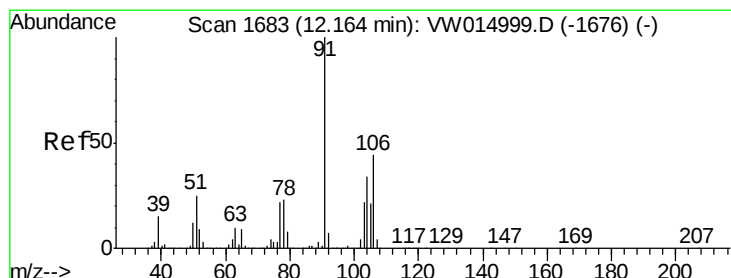
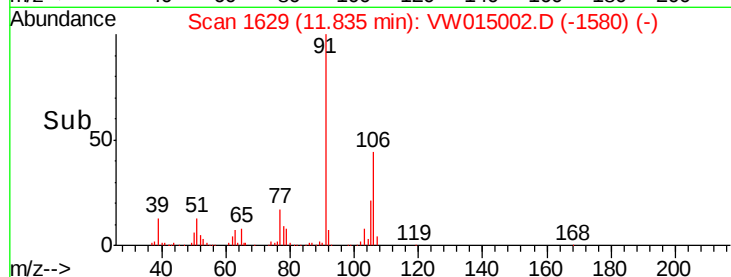
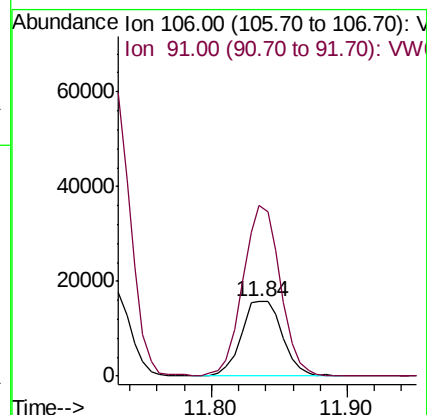
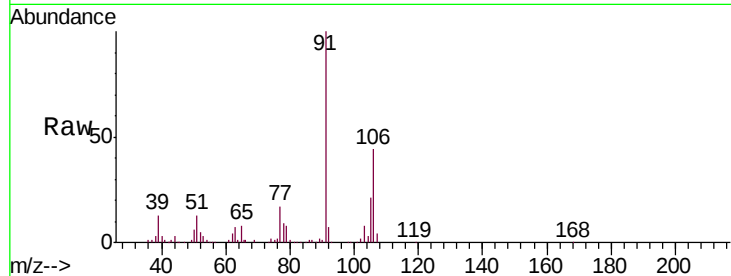




#53
m,p-Xylene
Concen: 1.752 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW015002.D
Acq: 17 Feb 2020 16:30

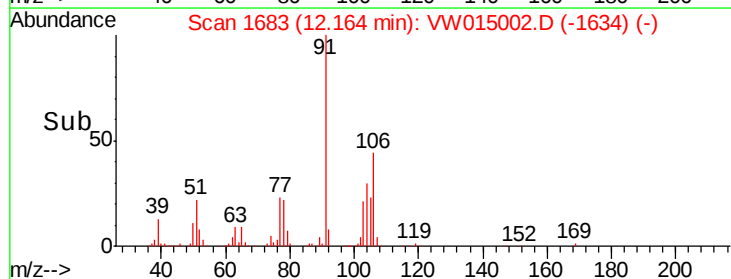
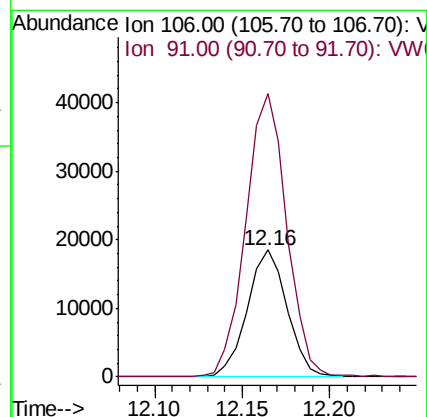
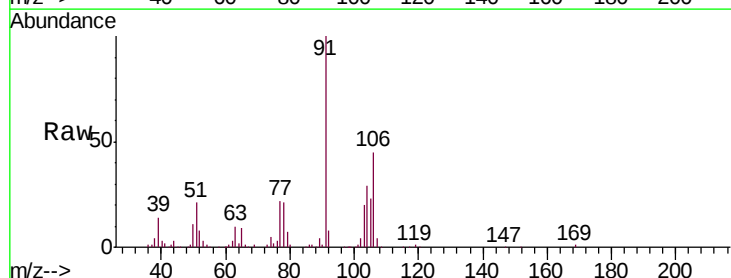
Instrument :
MSVOA_W
ClientSampled :
MDL07

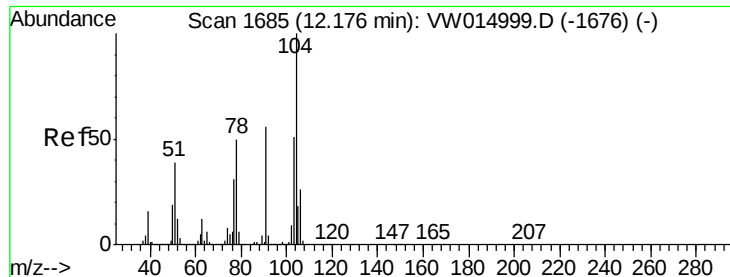
Tgt Ion:106 Resp: 33147
Ion Ratio Lower Upper
106 100
91 228.5 149.2 277.2



#54
o-Xylene
Concen: 1.653 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015002.D
Acq: 17 Feb 2020 16:30

Tgt Ion:106 Resp: 29365
Ion Ratio Lower Upper
106 100
91 223.3 163.7 304.1





#55

Styrene

Concen: 1.590 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

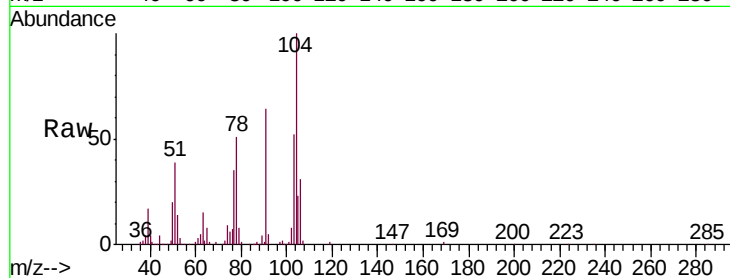
MDL07

Tgt Ion:104 Resp: 48688

Ion Ratio Lower Upper

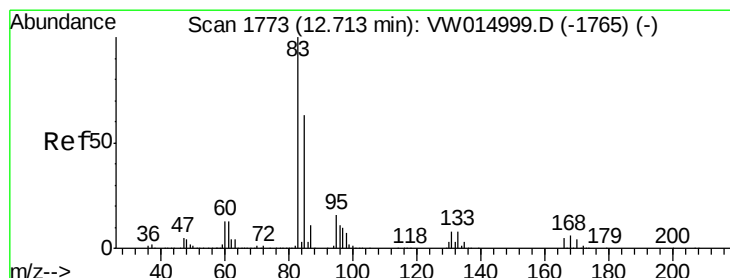
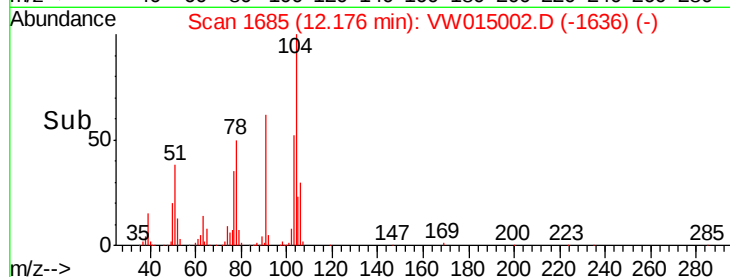
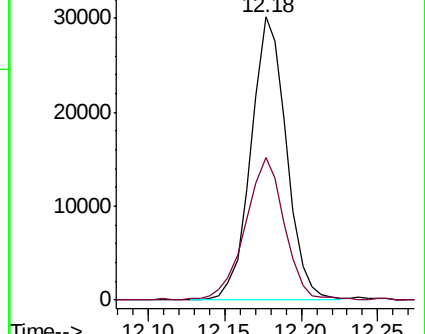
104 100

78 50.5 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: 2.073 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

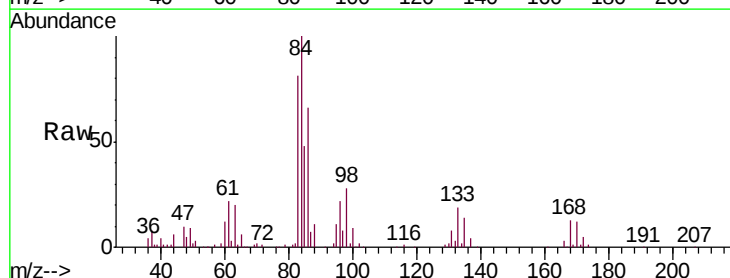
Tgt Ion: 83 Resp: 24075

Ion Ratio Lower Upper

83 100

85 59.6 44.9 83.5

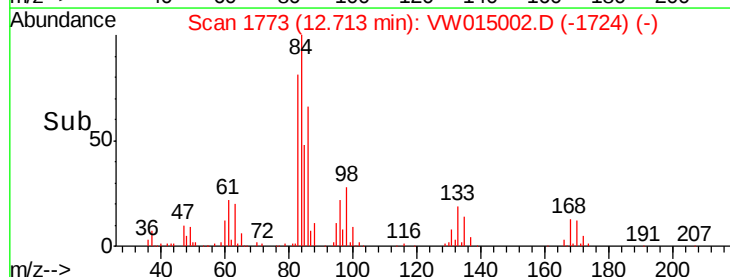
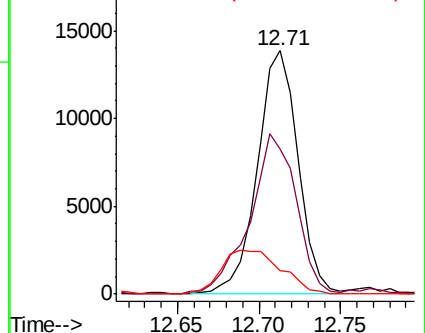
131 9.5 6.2 9.2#

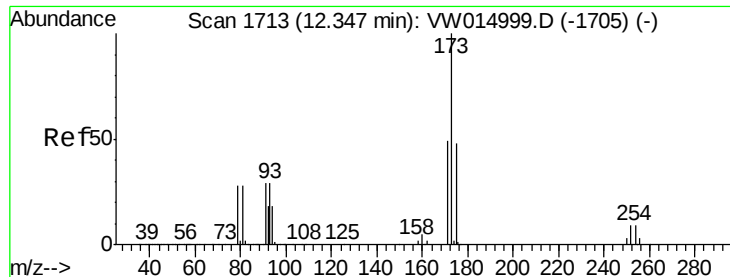


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW





#59

Bromoform

Concen: 2.072 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

MDL07

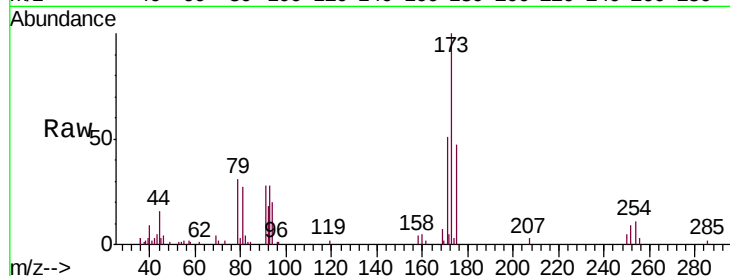
Tgt Ion:173 Resp: 9062

Ion Ratio Lower Upper

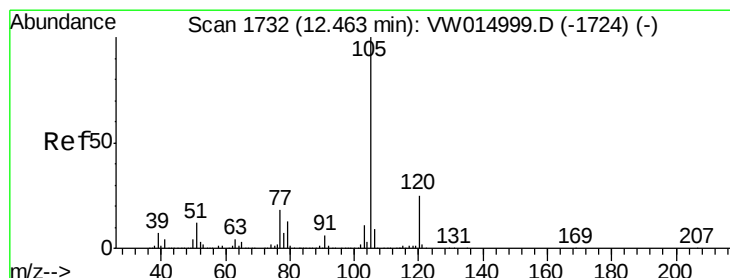
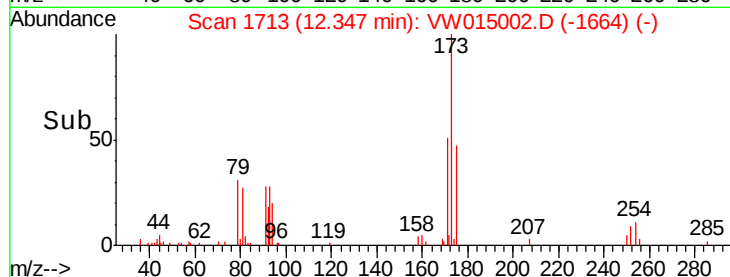
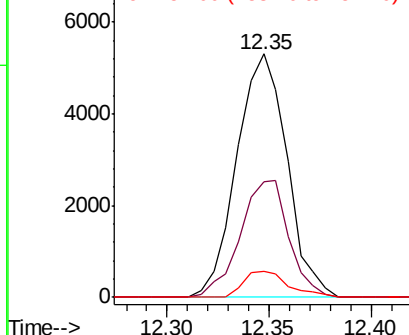
173 100

175 46.6 39.0 58.4

254 9.6 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: 1.709 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

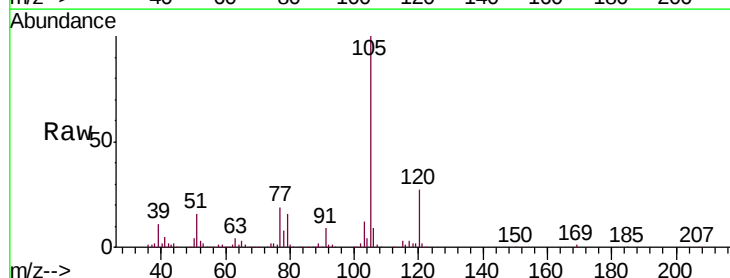
Tgt Ion:105 Resp: 76547

Ion Ratio Lower Upper

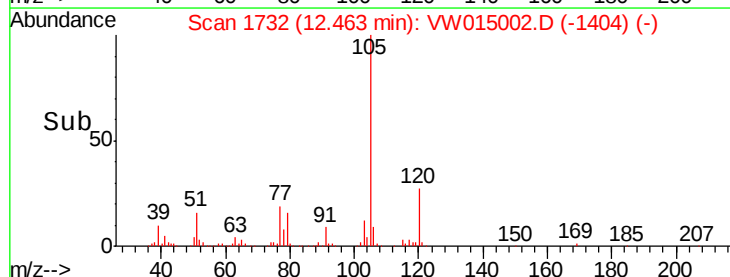
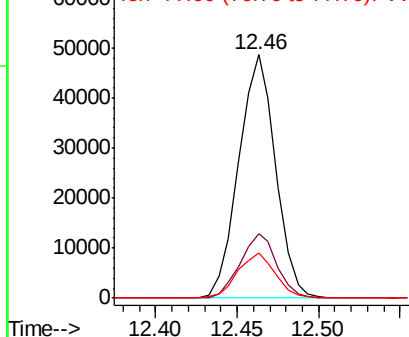
105 100

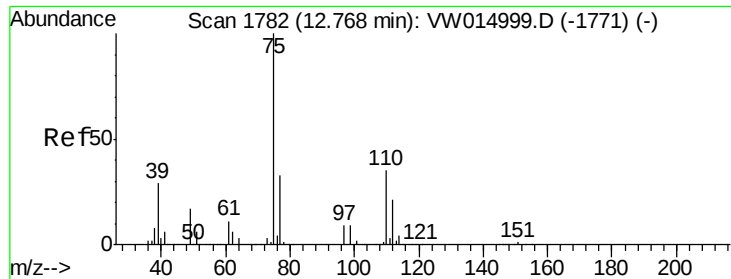
120 26.1 20.1 30.1

77 19.0 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: 2.134 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

MDL07

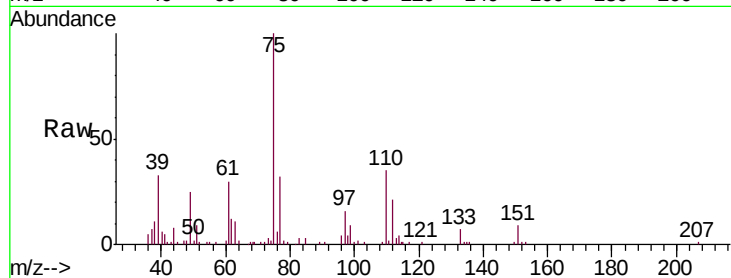
Tgt Ion: 75 Resp: 17892

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.6

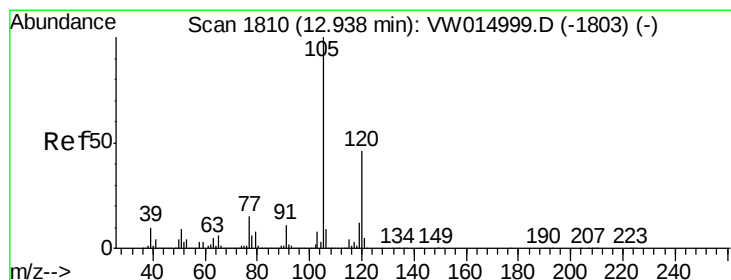
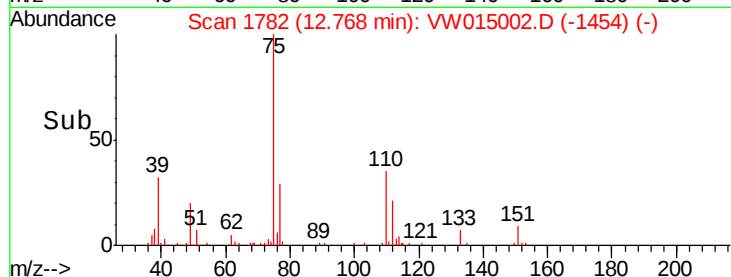
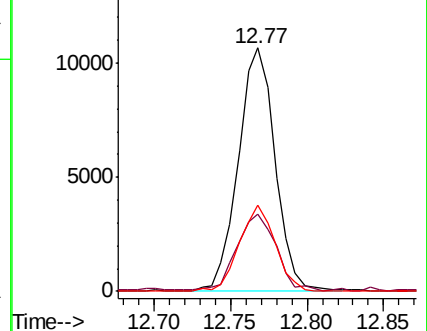
110 34.2 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 110.00 (109.70 to 110.70): VW



#62

1,3,5-Trimethylbenzene

Concen: 1.698 ug/L

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW015002.D

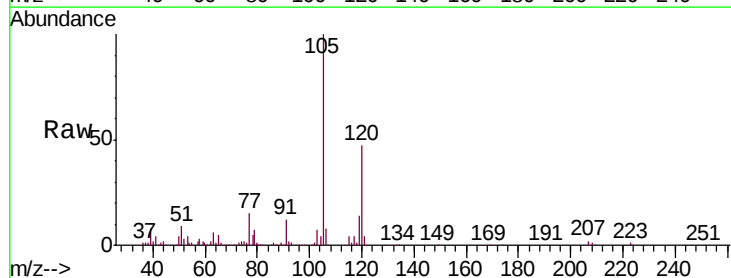
Acq: 17 Feb 2020 16:30

Tgt Ion: 105 Resp: 60647

Ion Ratio Lower Upper

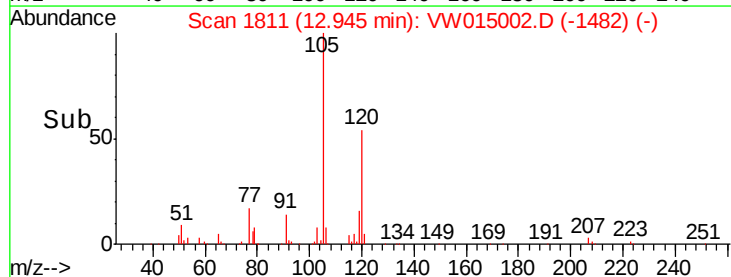
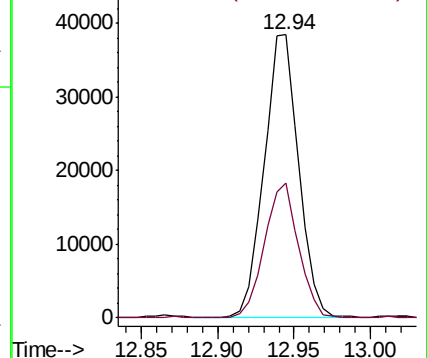
105 100

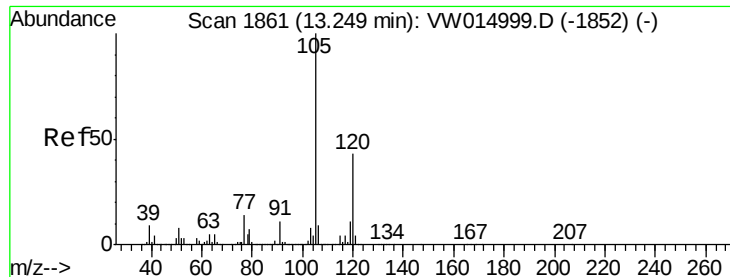
120 46.8 37.4 56.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

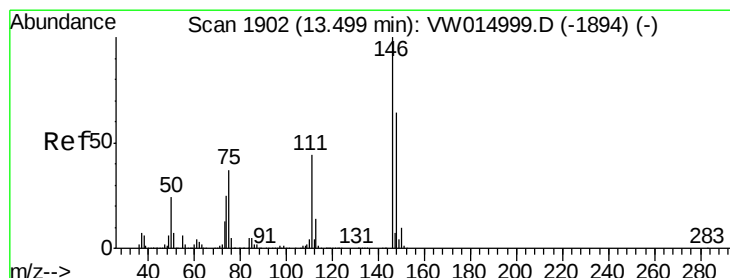
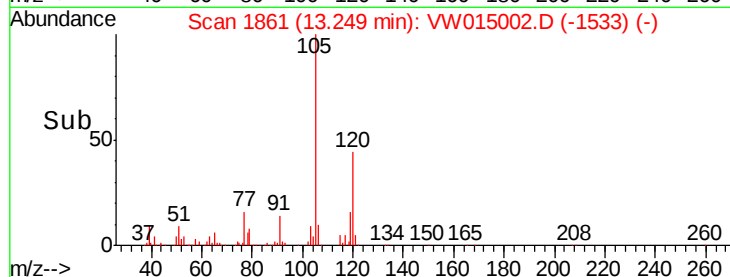
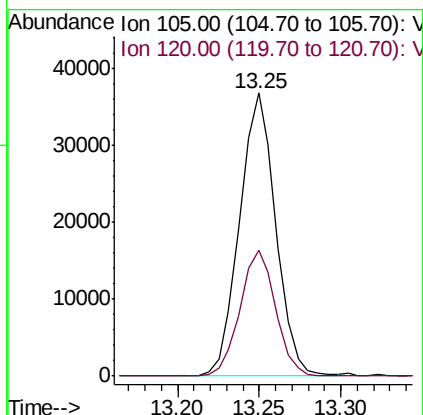
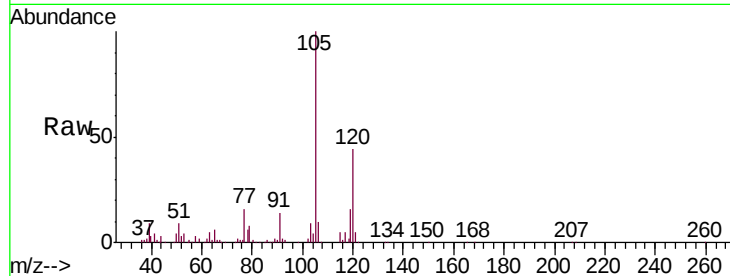




#63
 1,2,4-Trimethylbenzene
 Concen: 1.632 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW015002.D
 Acq: 17 Feb 2020 16:30

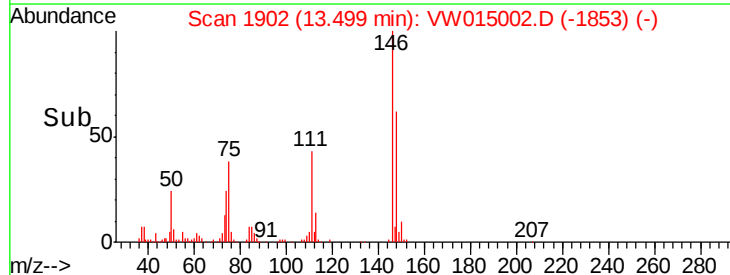
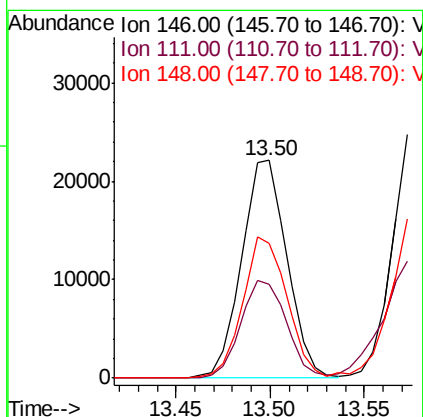
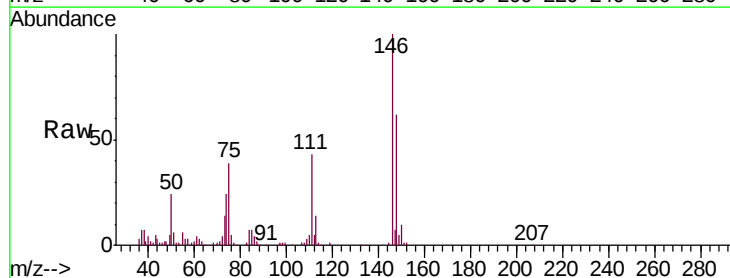
Instrument :
 MSVOA_W
 ClientSampled :
 MDL07

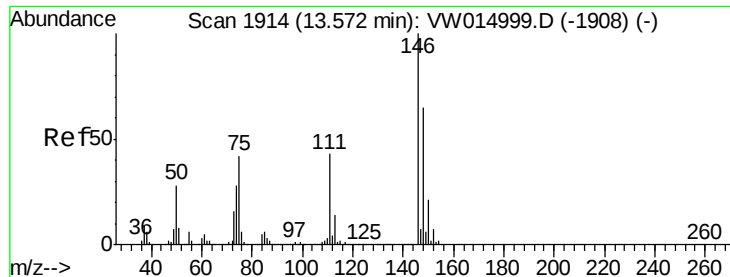
Tgt Ion:105 Resp: 57015
 Ion Ratio Lower Upper
 105 100
 120 43.4 35.0 52.4



#64
 1,3-Dichlorobenzene
 Concen: 2.000 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015002.D
 Acq: 17 Feb 2020 16:30

Tgt Ion:146 Resp: 36921
 Ion Ratio Lower Upper
 146 100
 111 43.0 30.2 56.0
 148 61.9 44.2 82.2

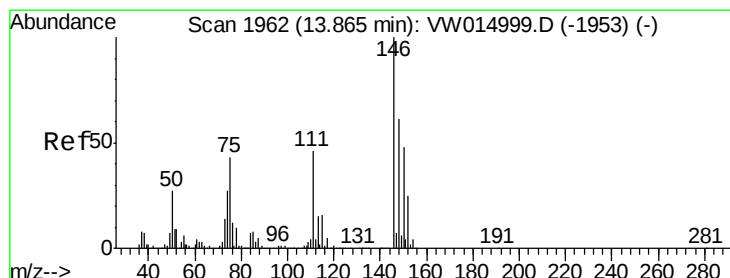
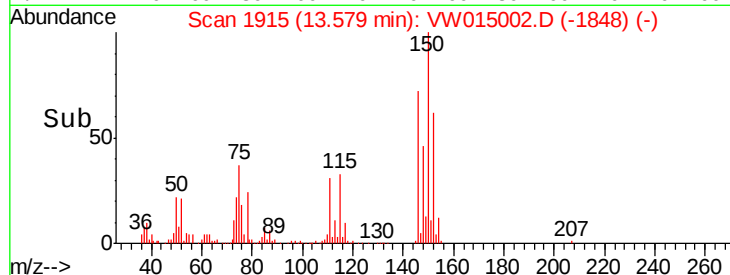
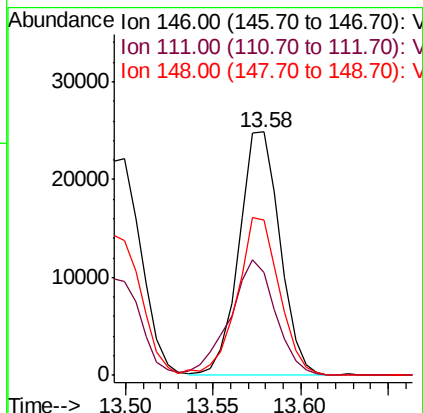
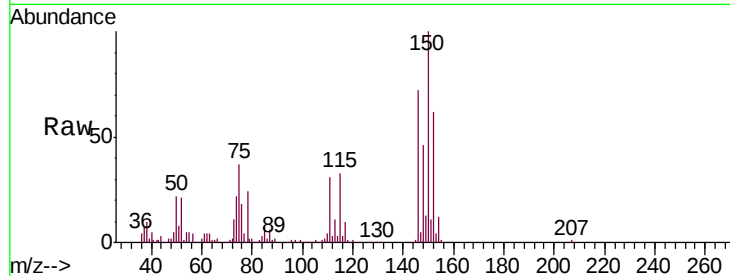




#65
 1,4-Dichlorobenzene
 Concen: 2.128 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.01 min
 Lab File: VW015002.D
 Acq: 17 Feb 2020 16:30

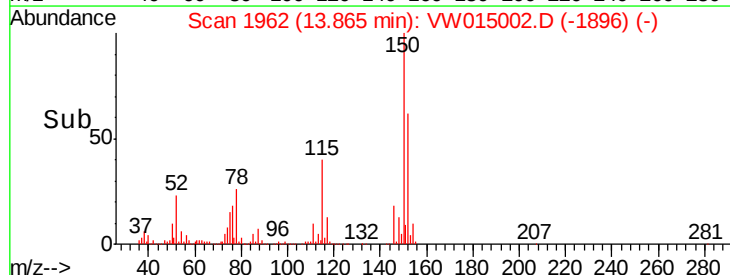
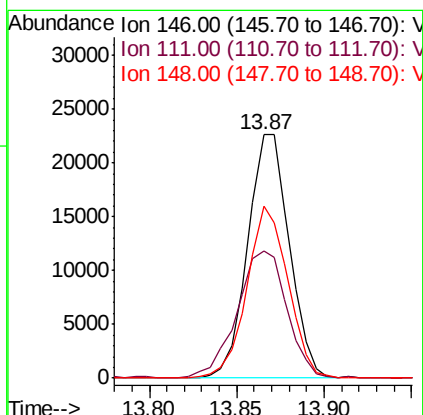
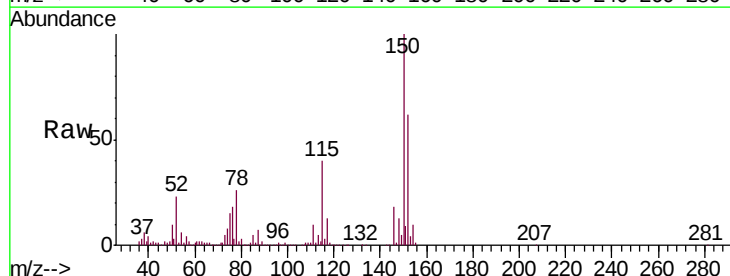
Instrument :
 MSVOA_W
 ClientSampled :
 MDL07

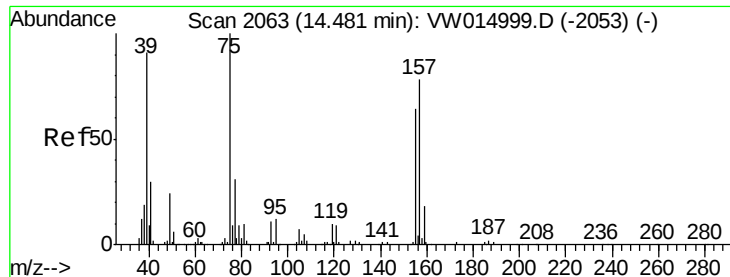
Tgt Ion:146 Resp: 40502
 Ion Ratio Lower Upper
 146 100
 111 42.5 29.5 54.9
 148 63.9 43.8 81.3



#67
 1,2-Dichlorobenzene
 Concen: 2.195 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW015002.D
 Acq: 17 Feb 2020 16:30

Tgt Ion:146 Resp: 37499
 Ion Ratio Lower Upper
 146 100
 111 52.5 38.0 57.0
 148 70.5 49.5 74.3





#68

1,2-Dibromo-3-chloropropane

Concen: 2.145 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

MDL07

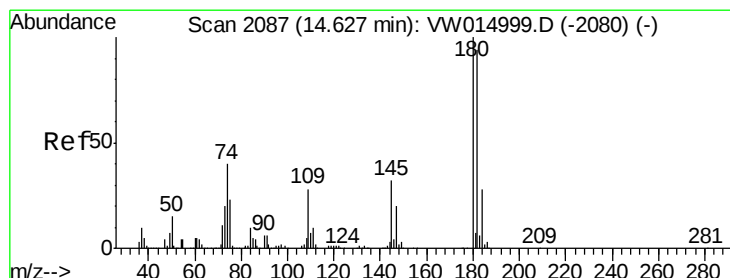
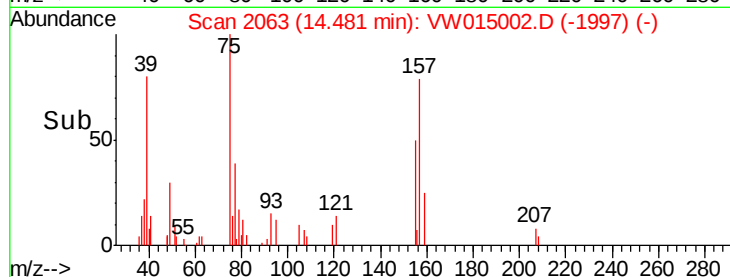
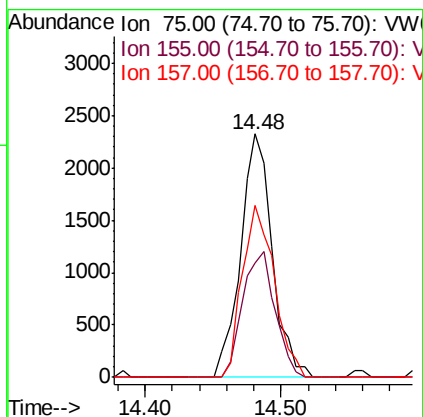
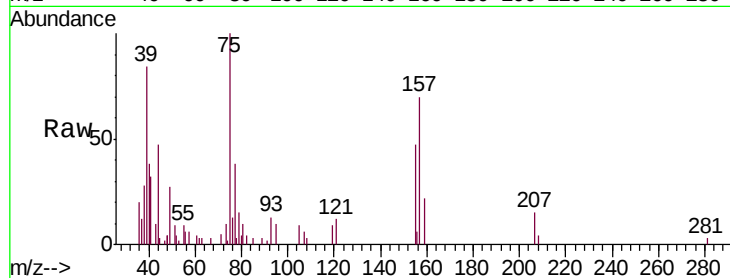
Tgt Ion: 75 Resp: 3761

Ion Ratio Lower Upper

75 100

155 46.7 48.0 72.0#

157 70.5 59.4 89.0



#69

1,3,5-Trichlorobenzene

Concen: 2.081 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Tgt Ion: 180 Resp: 25751

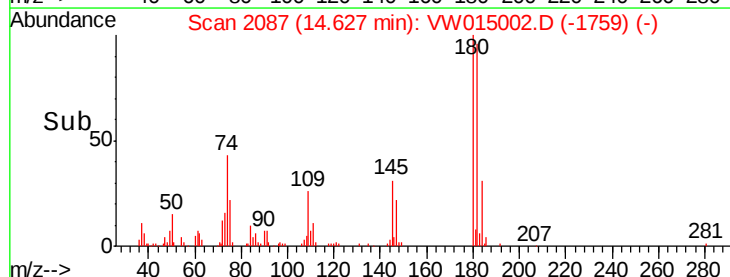
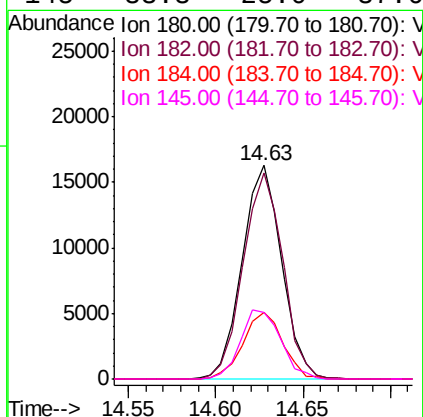
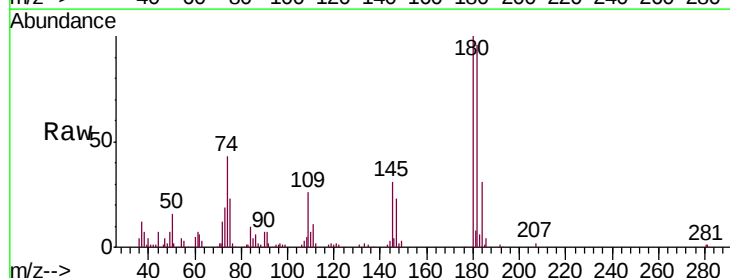
Ion Ratio Lower Upper

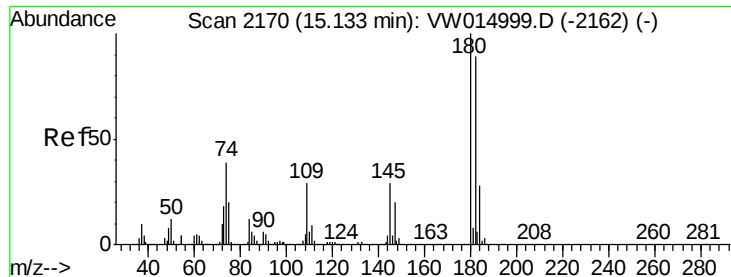
180 100

182 96.4 76.5 114.7

184 31.6 24.2 36.2

145 33.3 25.0 37.6

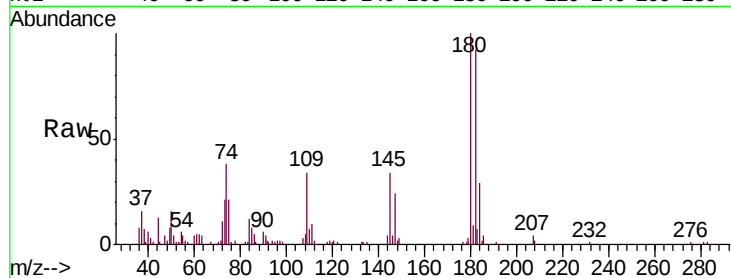




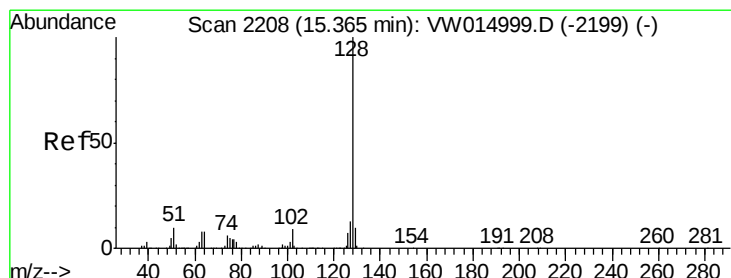
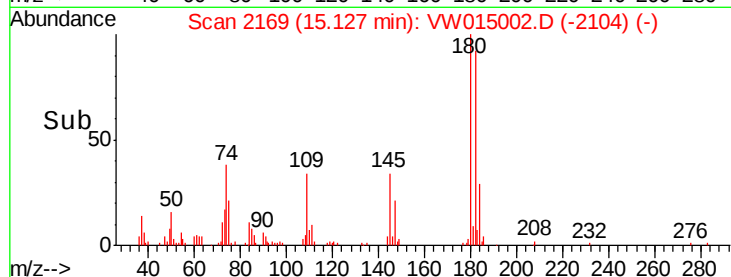
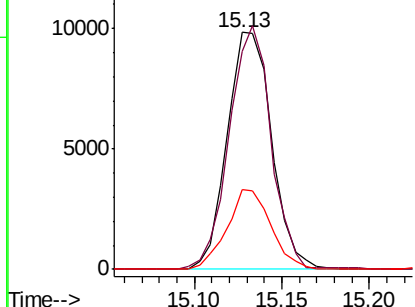
#70
1,2,4-trichlorobenzene
Concen: 1.876 ug/L
RT: 15.13 min Scan# 2169
Delta R.T. -0.01 min
Lab File: VW015002.D
Acq: 17 Feb 2020 16:30

Instrument :
MSVOA_W
ClientSampleId :
MDL07

Tgt Ion:180 Resp: 17395
Ion Ratio Lower Upper
180 100
182 96.1 76.2 114.4
145 33.2 26.2 39.4

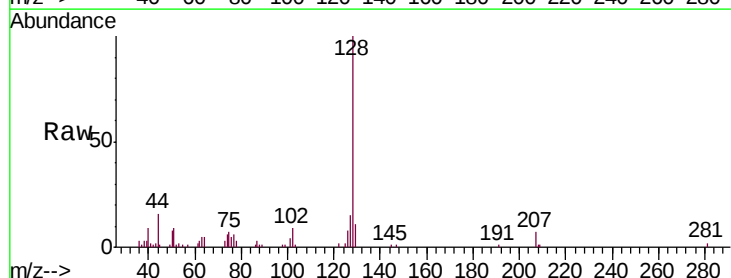


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

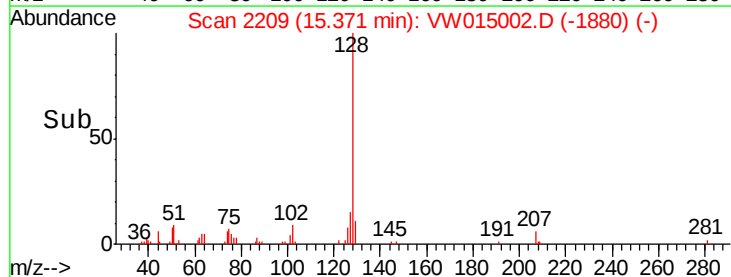
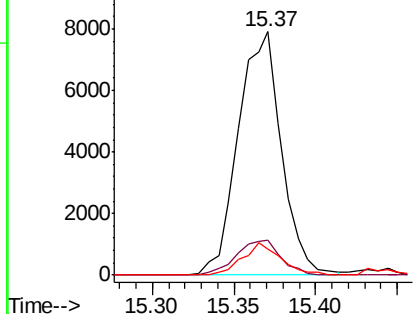


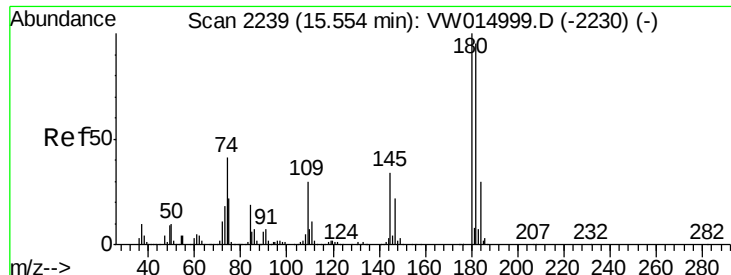
#71
Naphthalene
Concen: 1.532 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW015002.D
Acq: 17 Feb 2020 16:30

Tgt Ion:128 Resp: 14590
Ion Ratio Lower Upper
128 100
127 14.9 10.5 15.7
129 11.8 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

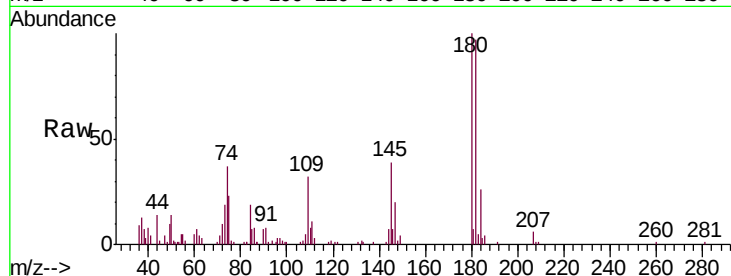




#72
 1,2,3-Trichlorobenzene
 Concen: 1.910 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: VW015002.D
 Acq: 17 Feb 2020 16:30

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Tgt Ion:180 Resp: 16416
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.2 112.8
 145 34.9 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

