

Data File : VW014980.D
Acq On : 13 Feb 2020 15:11
Operator : SY/VA
Sample : MDL02
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MDL02

Quant Time: Feb 14 04:22:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Feb 13 12:39:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	771375	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	722670	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	278263	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	382911	24.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.60%
7) Chloroethane-d5	2.89	69	287571	24.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.16%
11) 1,1-Dichloroethene-d2	4.02	63	512909	18.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.60%
21) 2-Butanone-d5	7.07	46	216407	49.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.96%
24) Chloroform-d	7.65	84	601170	24.26	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.04%
26) 1,2-Dichloroethane-d4	8.31	65	373173	25.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.68%
32) Benzene-d6	8.27	84	1220125	25.06	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.24%
36) 1,2-Dichloropropane-d6	9.27	67	422486	25.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.92%
41) Toluene-d8	10.32	98	1034415	25.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.72%
43) trans-1,3-Dichloropropene-	10.57	79	155604	24.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.84%
47) 2-Hexanone-d5	10.92	63	150766	50.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.22%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	308223	24.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.64%
66) 1,2-Dichlorobenzene-d4	13.85	152	287338	27.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.76%

Target Compounds

					Qvalue
3) Chloromethane	2.21	50	15547	1.079 ug/L	97
5) Vinyl chloride	2.36	62	20158	1.087 ug/L #	41
6) Bromomethane	2.78	94	9185	1.092 ug/L	94
9) Trichlorofluoromethane	3.25	101	6238	0.851 ug/L	96
12) 1,1-Dichloroethene	4.04	96	14702	1.279 ug/L #	1
13) Acetone	4.13	43	16376	3.623 ug/L	81
14) Carbon disulfide	4.39	76	41219	0.992 ug/L	99
15) Methyl Acetate	4.68	43	5318	0.678 ug/L #	70
16) Methylene chloride	4.92	84	54489	3.823 ug/L	90
17) trans-1,2-Dichloroethene	5.42	96	11129	0.959 ug/L	87
18) Methyl tert-butyl Ether	5.42	73	13990	0.977 ug/L #	79
19) 1,1-Dichloroethane	6.21	63	26799	1.034 ug/L	96
20) cis-1,2-Dichloroethene	7.17	96	11942	0.999 ug/L	97
22) 2-Butanone	7.17	43	15923	2.931 ug/L #	77
23) Bromochloromethane	7.51	128	5260	1.085 ug/L	87
27) 1,2-Dichloroethane	8.40	62	17970	1.059 ug/L	97
29) Cyclohexane	7.95	56	12243	0.520 ug/L #	60

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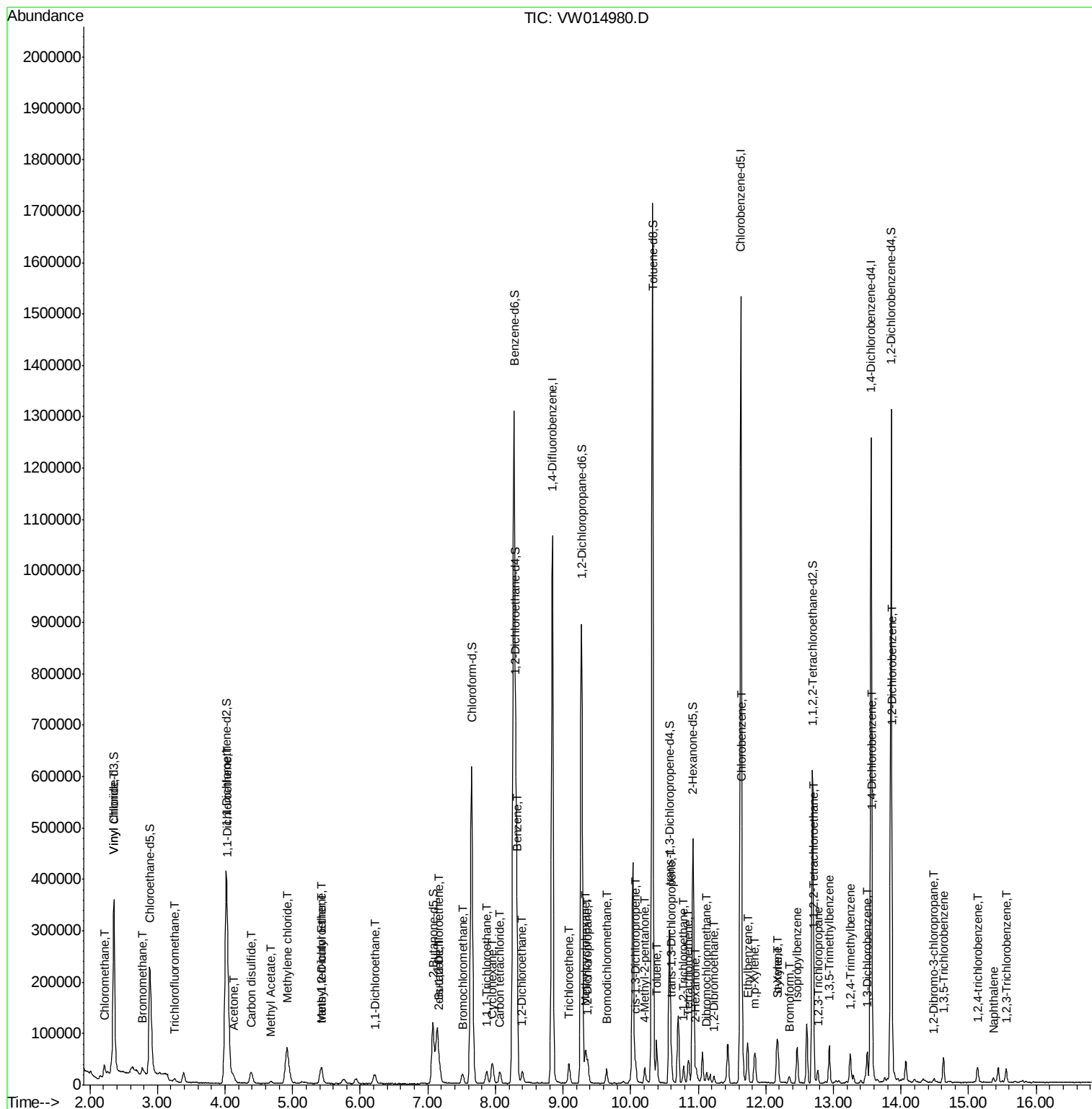
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	7.87	97	17351	0.987	ug/L	97
31) Carbon tetrachloride	8.07	117	15862	1.001	ug/L	99
33) Benzene	8.32	78	54563	1.028	ug/L	100
34) Trichloroethene	9.09	95	12419	0.977	ug/L	96
35) Methylcyclohexane	9.34	83	18533	0.846	ug/L	95
37) 1,2-Dichloropropane	9.37	63	15086	1.018	ug/L	100
38) Bromodichloromethane	9.65	83	16978	1.017	ug/L	94
39) cis-1,3-Dichloropropene	10.07	75	18329	0.924	ug/L	98
40) 4-Methyl-2-pentanone	10.21	43	21948	2.080	ug/L	100
42) Toluene	10.38	91	55254	1.078	ug/L	99
44) trans-1,3-Dichloropropene	10.60	75	23817	1.448	ug/L	99
45) 1,1,2-Trichloroethane	10.78	97	9381	1.044	ug/L	91
46) Tetrachloroethene	10.86	164	8436	1.022	ug/L	96
48) 2-Hexanone	10.97	43	16580	2.157	ug/L #	92
49) Dibromochloromethane	11.13	129	9239	0.986	ug/L	84
50) 1,2-Dibromoethane	11.23	107	8310	1.025	ug/L	92
51) Chlorobenzene	11.65	112	31151	1.030	ug/L	94
52) Ethylbenzene	11.73	91	51678	0.925	ug/L	97
53) m,p-Xylene	11.83	106	16901	0.863	ug/L	91
54) o-Xylene	12.16	106	14311	0.778	ug/L	93
55) Styrene	12.18	104	24247	0.764	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.71	83	13420	1.116	ug/L #	94
59) Bromoform	12.35	173	4691	1.103	ug/L #	94
60) Isopropylbenzene	12.46	105	37086	0.851	ug/L	97
61) 1,2,3-Trichloropropane	12.77	75	9454	1.159	ug/L	95
62) 1,3,5-Trimethylbenzene	12.94	105	29522	0.850	ug/L	100
63) 1,2,4-Trimethylbenzene	13.25	105	27419	0.807	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	17603	0.980	ug/L	86
65) 1,4-Dichlorobenzene	13.58	146	20728	1.120	ug/L	93
67) 1,2-Dichlorobenzene	13.87	146	20057	1.207	ug/L	94
68) 1,2-Dibromo-3-chloropropan	14.49	75	2265	1.328	ug/L #	76
69) 1,3,5-Trichlorobenzene	14.63	180	12635	1.050	ug/L	95
70) 1,2,4-trichlorobenzene	15.13	180	8014	0.888	ug/L	98
71) Naphthalene	15.36	128	6503	0.702	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.55	180	8096	0.969	ug/L	93

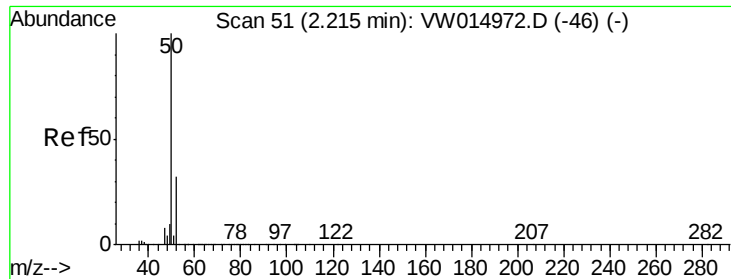
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#3

Chloromethane

Concen: 1.079 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

Instrument :

MSVOA_W

ClientSampled :

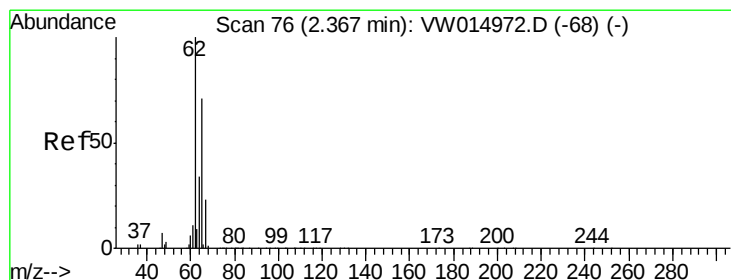
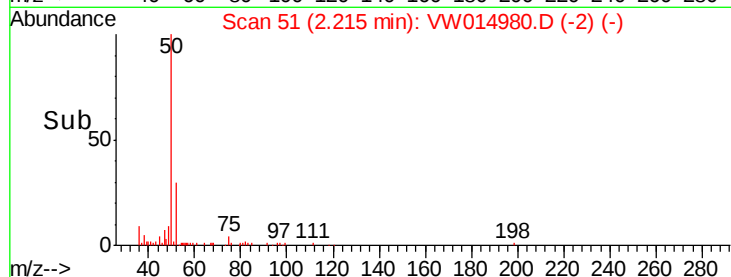
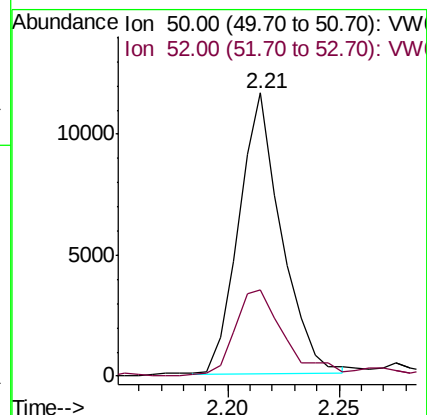
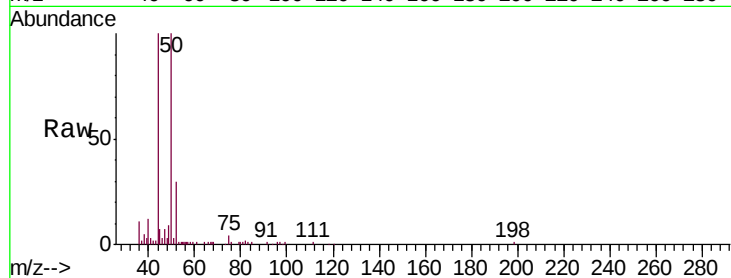
MDL02

Tgt Ion: 50 Resp: 15547

Ion Ratio Lower Upper

50 100

52 30.3 22.3 41.3



#5

Vinyl chloride

Concen: 1.087 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014980.D

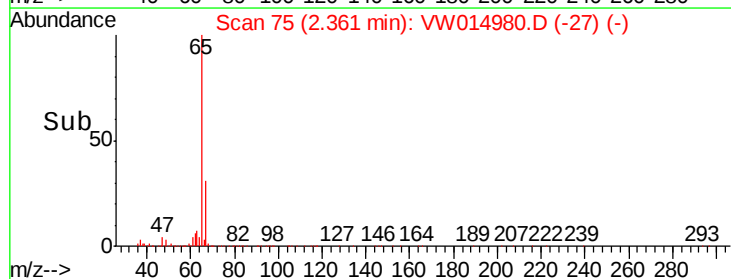
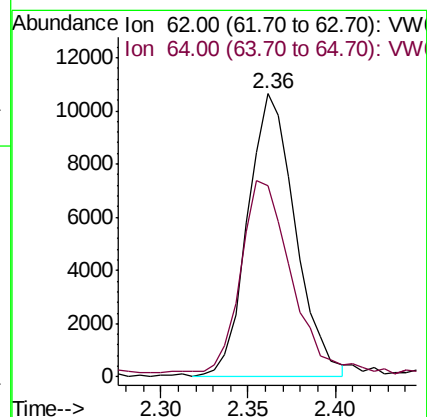
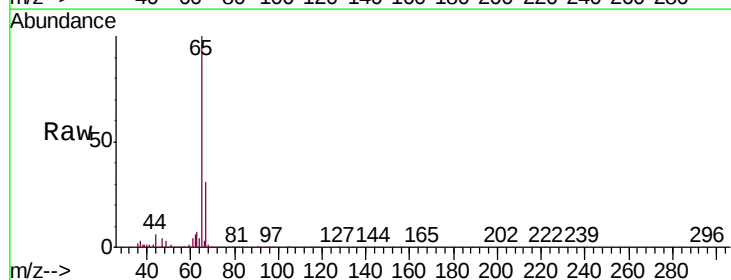
Acq: 13 Feb 2020 15:11

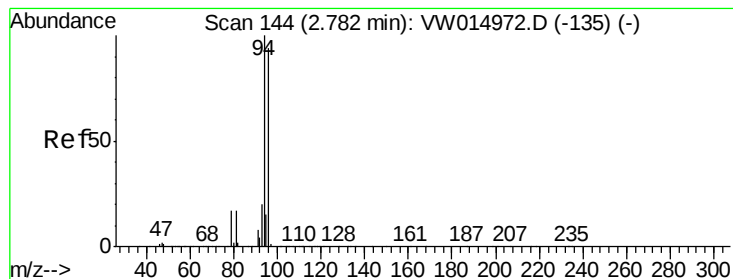
Tgt Ion: 62 Resp: 20158

Ion Ratio Lower Upper

62 100

64 67.4 23.6 43.8#





#6

Bromomethane

Concen: 1.092 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

Instrument :

MSVOA_W

ClientSampleId :

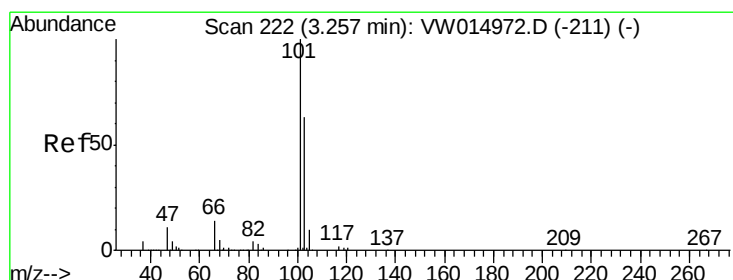
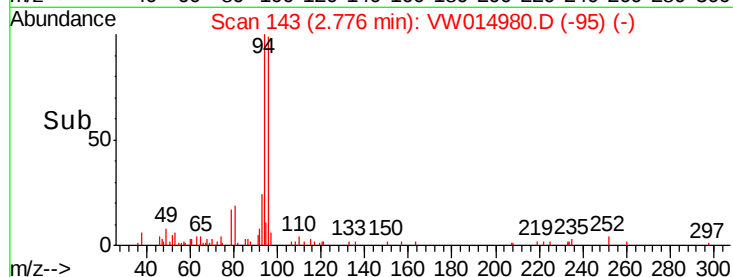
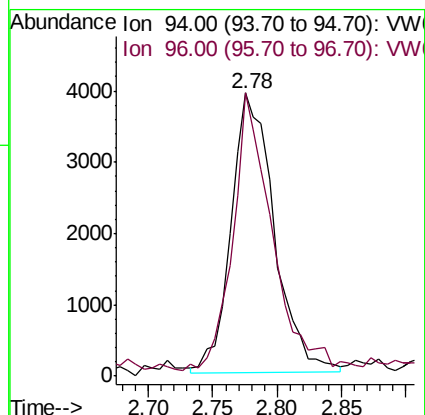
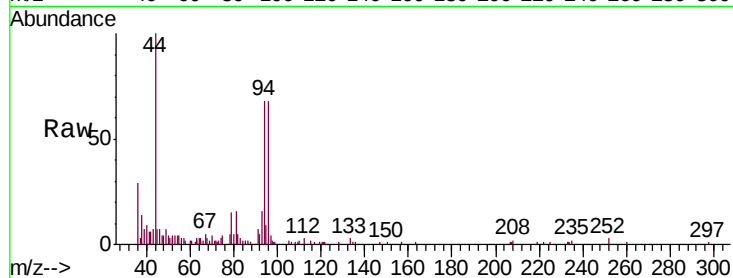
MDL02

Tgt Ion: 94 Resp: 9185

Ion Ratio Lower Upper

94 100

96 100.0 65.8 122.2



#9

Trichlorofluoromethane

Concen: 0.851 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW014980.D

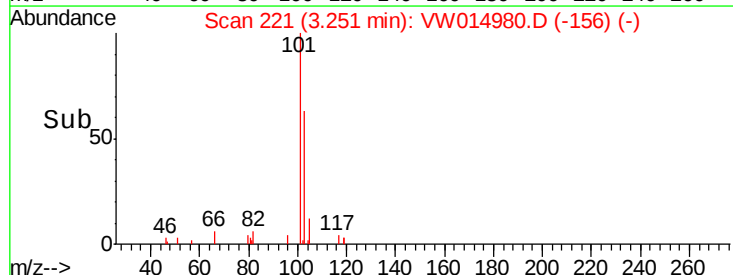
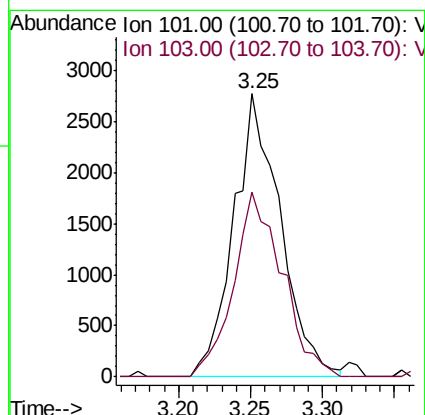
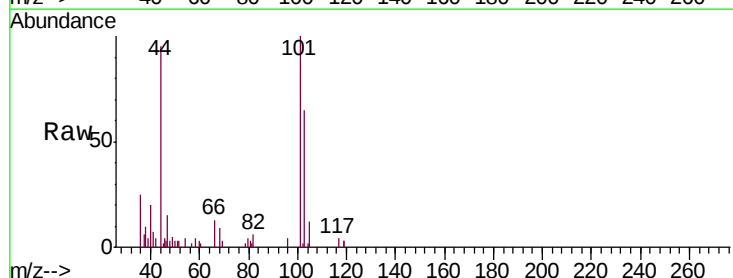
Acq: 13 Feb 2020 15:11

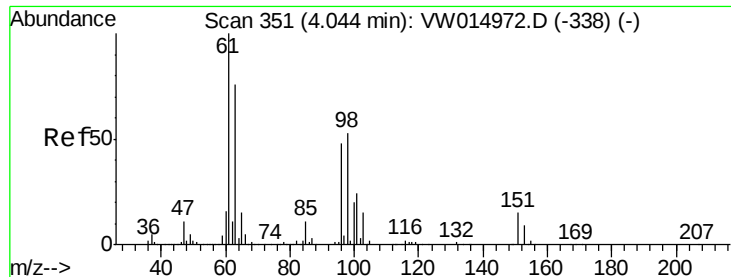
Tgt Ion: 101 Resp: 6238

Ion Ratio Lower Upper

101 100

103 67.9 51.5 77.3





#12

1,1-Dichloroethene

Concen: 1.279 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

Instrument :

MSVOA_W

ClientSampled :

MDL02

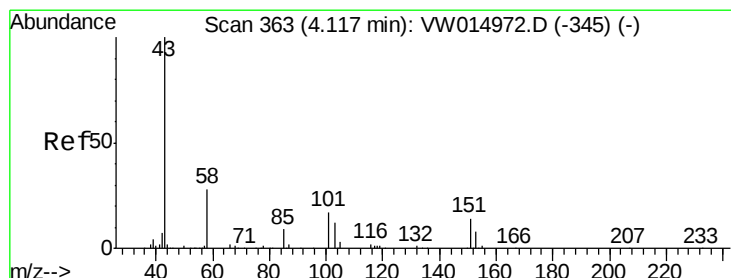
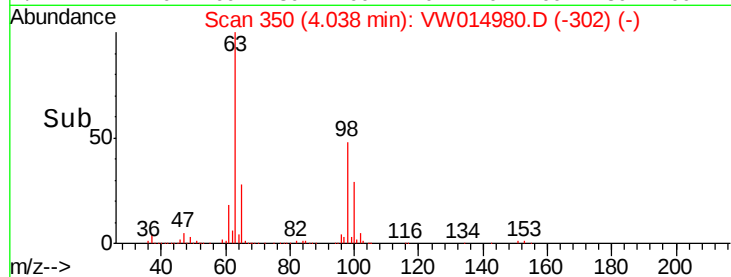
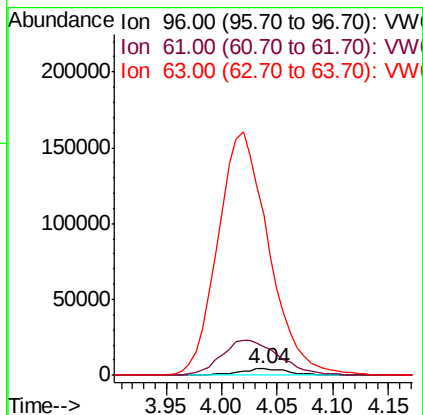
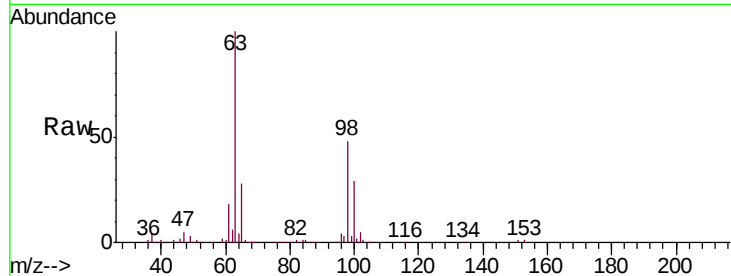
Tgt Ion: 96 Resp: 14702

Ion Ratio Lower Upper

96 100

61 425.5 147.0 273.0#

63 2421.2 113.4 210.6#



#13

Acetone

Concen: 3.623 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW014980.D

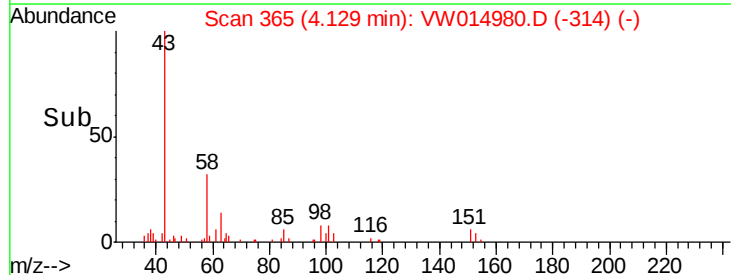
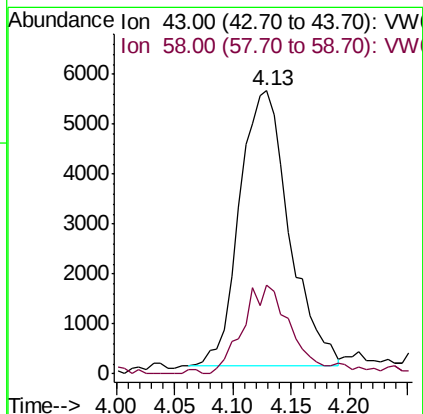
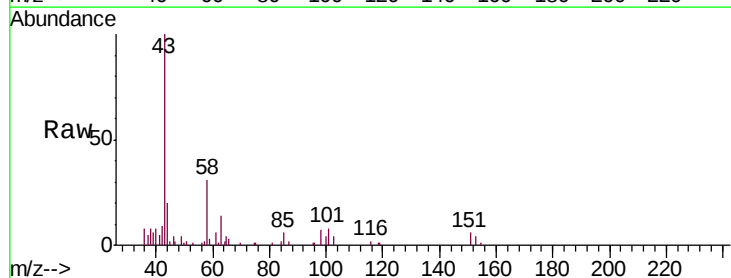
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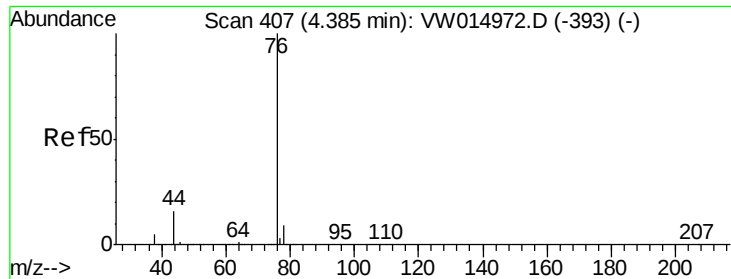
Tgt Ion: 43 Resp: 16376

Ion Ratio Lower Upper

43 100

58 17.4 0.0 54.6

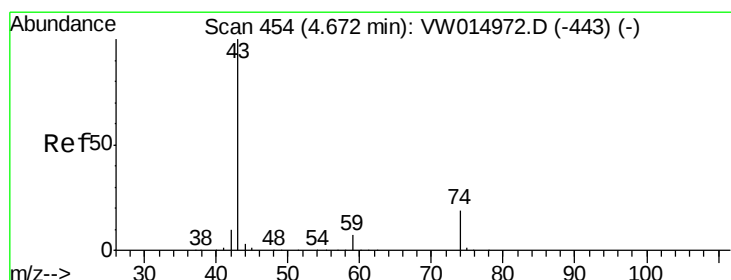
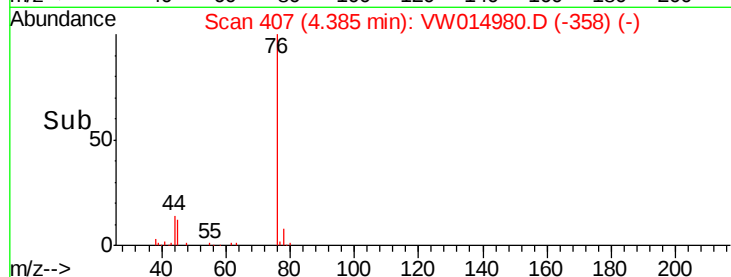
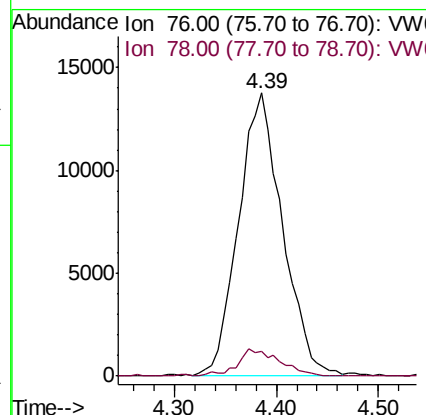
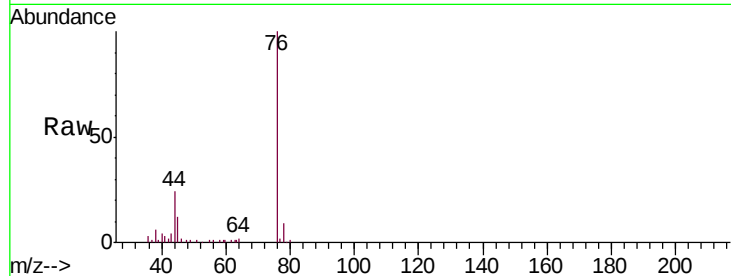




#14
Carbon disulfide
Concen: 0.992 ug/L
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

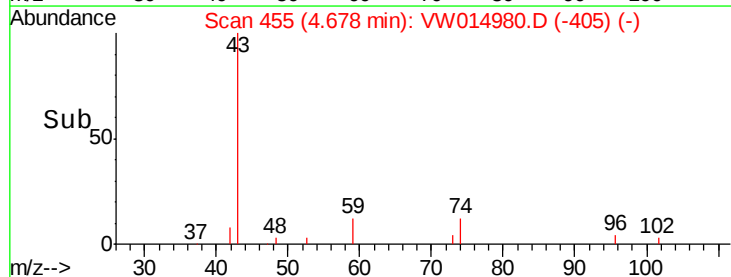
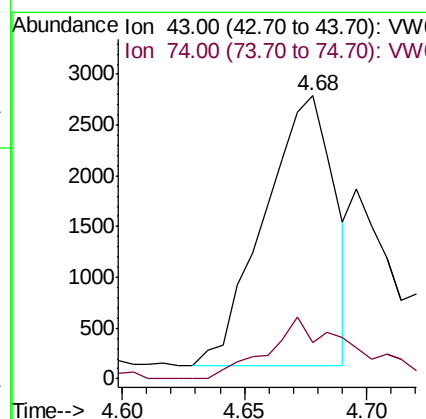
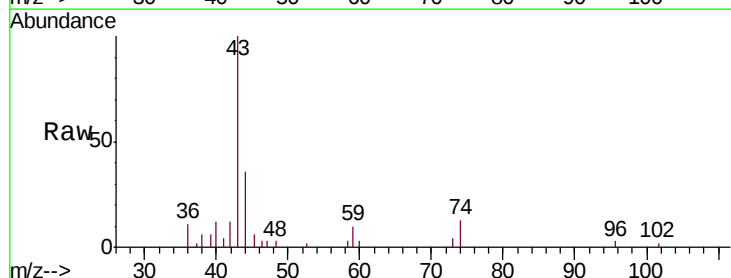
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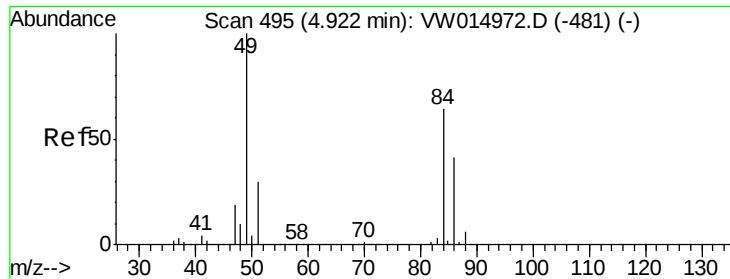
Tgt Ion: 76 Resp: 41219
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#15
Methyl Acetate
Concen: 0.678 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

Tgt Ion: 43 Resp: 5318
Ion Ratio Lower Upper
43 100
74 4.7 14.6 21.8#

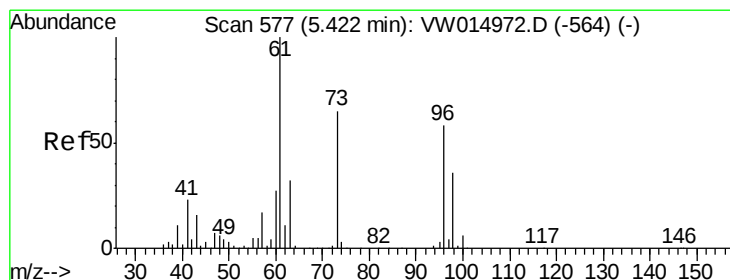
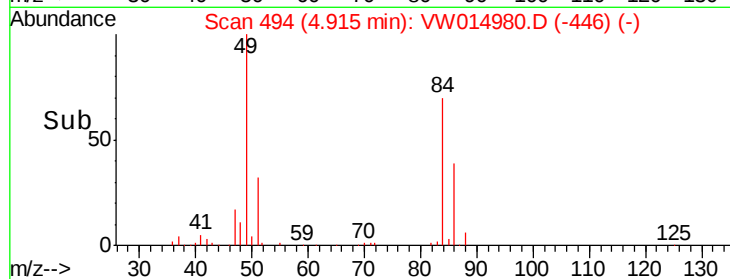
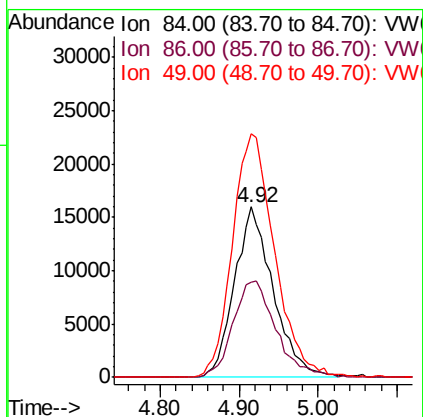
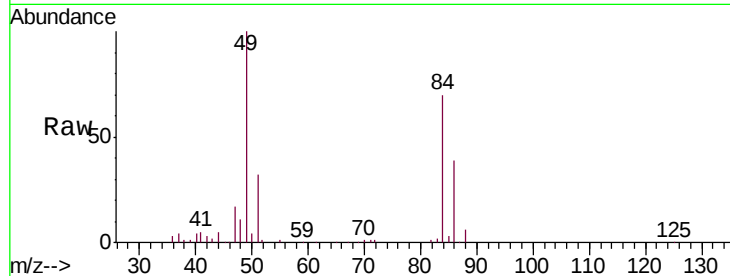




#16
Methylene chloride
Concen: 3.823 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

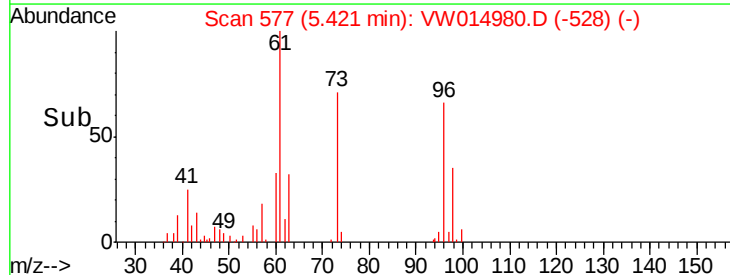
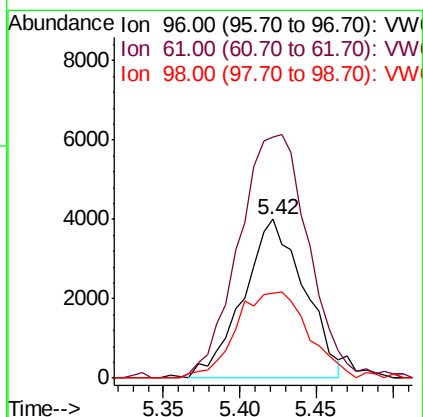
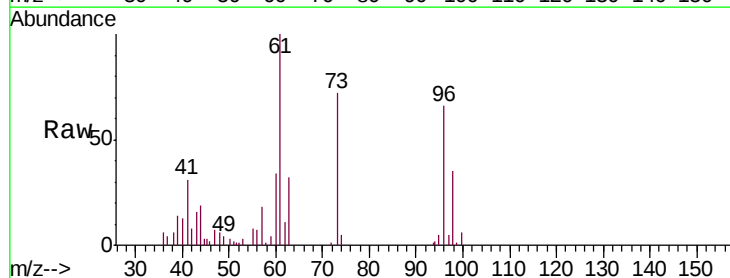
Instrument :
MSVOA_W
ClientSampled :
MDL02

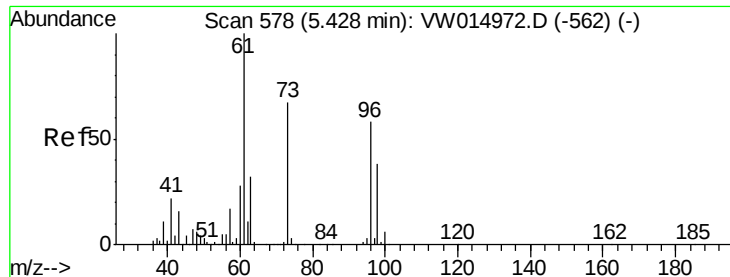
Tgt Ion: 84 Resp: 54489
Ion Ratio Lower Upper
84 100
86 56.1 44.4 82.4
49 142.9 109.0 202.4



#17
trans-1,2-Dichloroethene
Concen: 0.959 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

Tgt Ion: 96 Resp: 11129
Ion Ratio Lower Upper
96 100
61 151.5 120.1 223.1
98 55.1 43.8 81.3

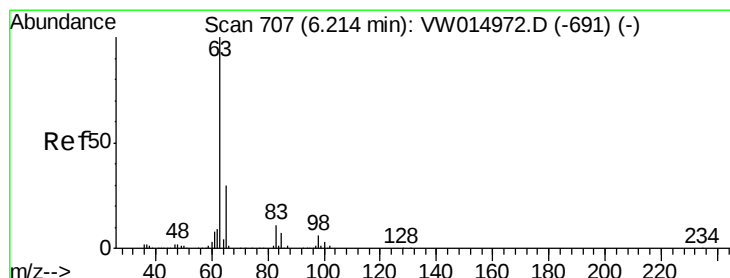
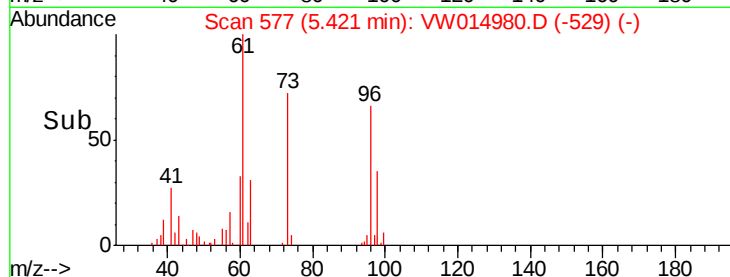
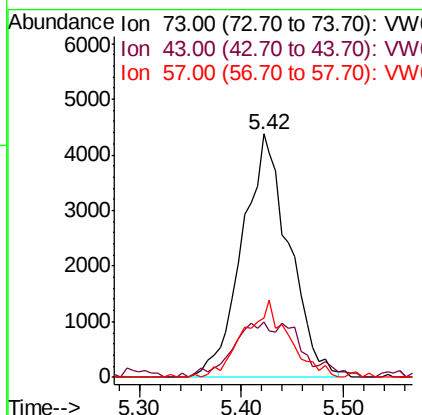
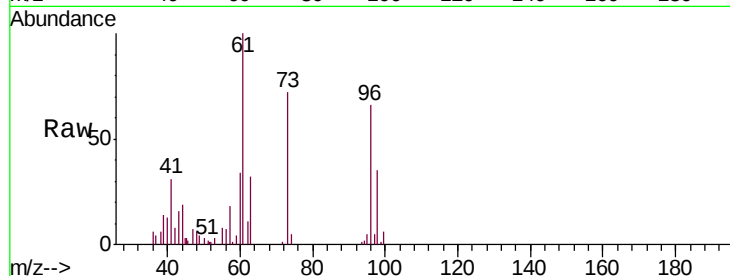




#18
Methyl tert-butyl Ether
Concen: 0.977 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

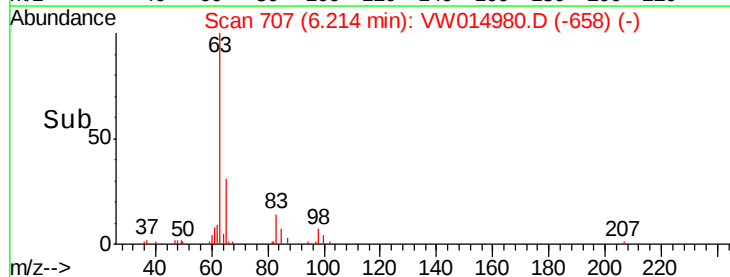
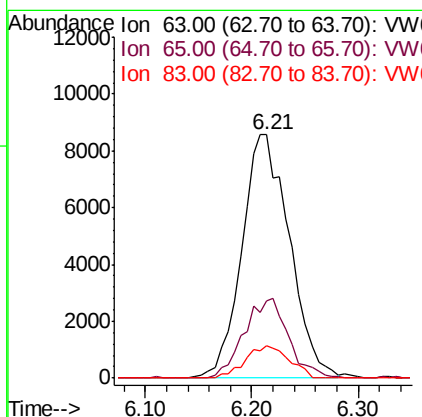
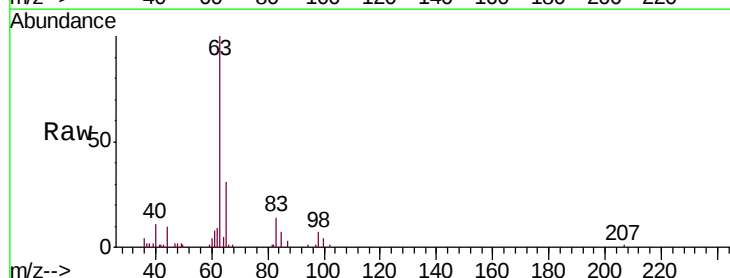
Instrument :
MSVOA_W
ClientSampleId :
MDL02

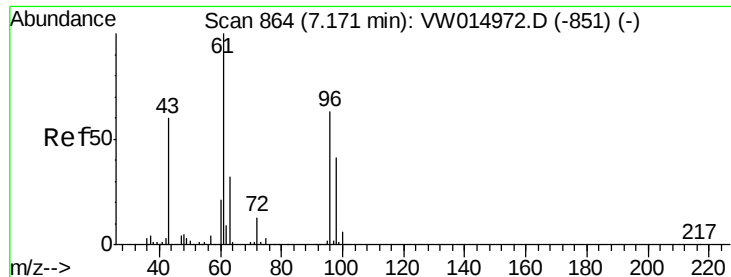
Tgt Ion: 73 Resp: 13990
Ion Ratio Lower Upper
73 100
43 8.1 19.6 29.4#
57 20.7 21.0 31.4#



#19
1,1-Dichloroethane
Concen: 1.034 ug/L
RT: 6.21 min Scan# 707
Delta R.T. -0.00 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

Tgt Ion: 63 Resp: 26799
Ion Ratio Lower Upper
63 100
65 31.5 20.9 38.7
83 13.6 7.8 14.6

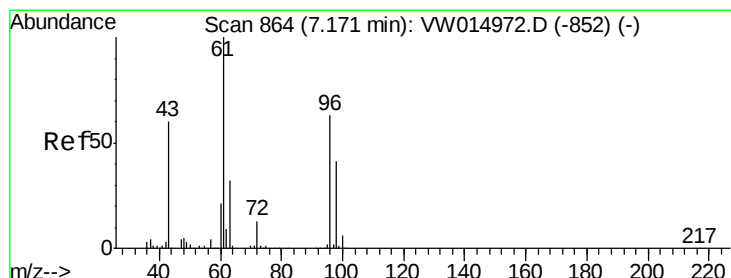
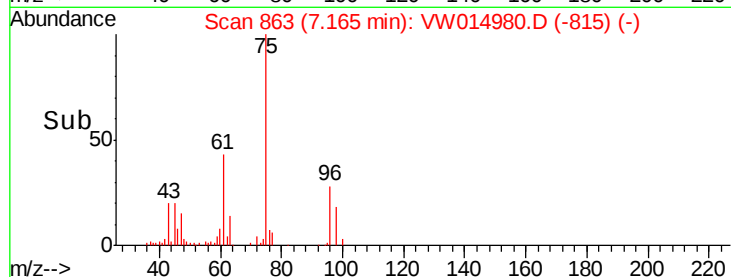
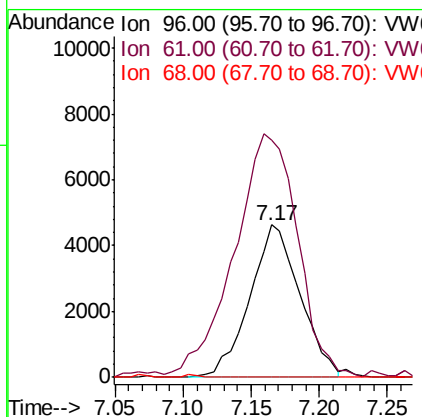
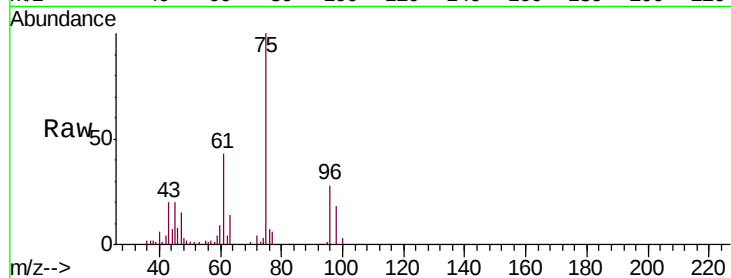




#20
 cis-1,2-Dichloroethene
 Concen: 0.999 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

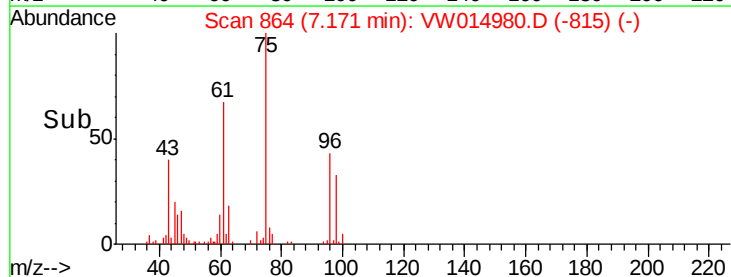
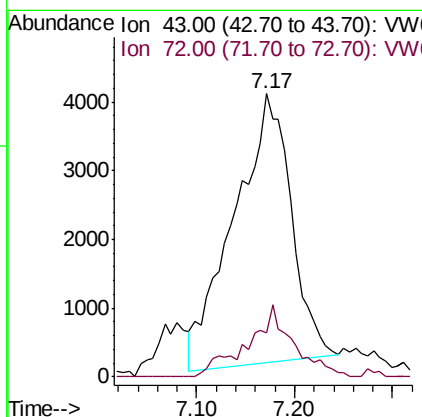
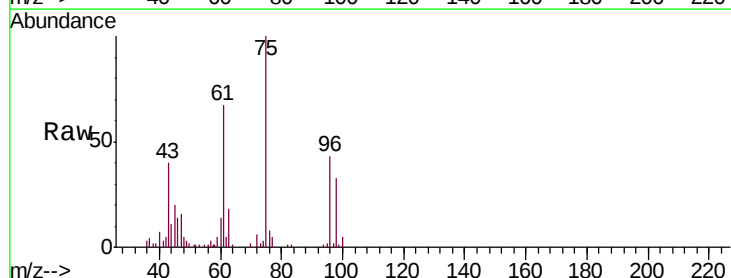
Instrument :
 MSVOA_W
 ClientSampled :
 MDL02

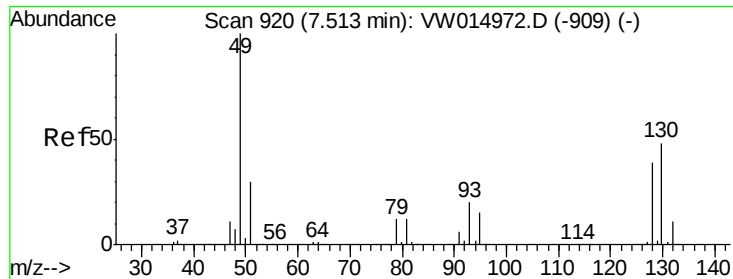
Tgt Ion: 96 Resp: 11942
 Ion Ratio Lower Upper
 96 100
 61 155.3 111.5 207.1
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 2.931 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Tgt Ion: 43 Resp: 15923
 Ion Ratio Lower Upper
 43 100
 72 11.0 11.1 33.1#





#23

Bromochloromethane

Concen: 1.085 ug/L

RT: 7.51 min Scan# 919

Delta R.T. -0.01 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

Instrument :

MSVOA_W

ClientSampled :

MDL02

Tgt Ion:128 Resp: 5260

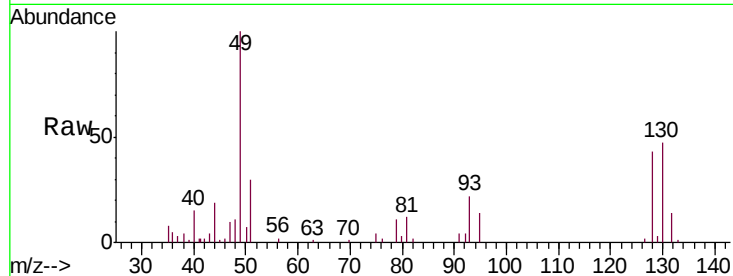
Ion Ratio Lower Upper

128 100

49 230.4 179.0 332.4

130 107.6 85.5 158.7

51 68.1 61.7 92.5

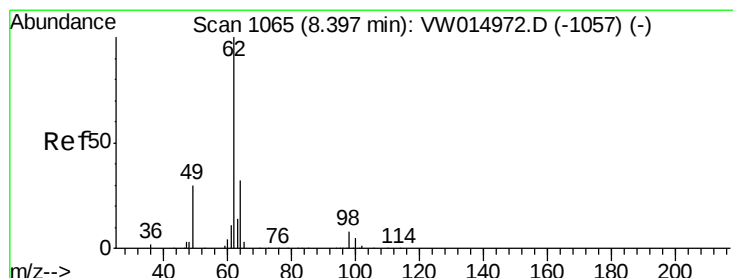
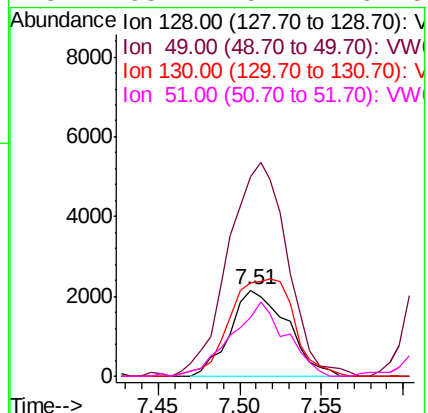
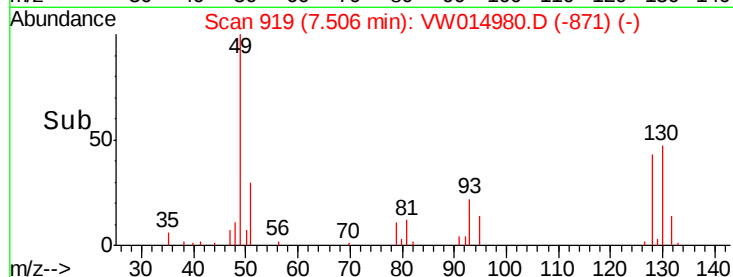


Abundance Ion 128.00 (127.70 to 128.70): V

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



#27

1,2-Dichloroethane

Concen: 1.059 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014980.D

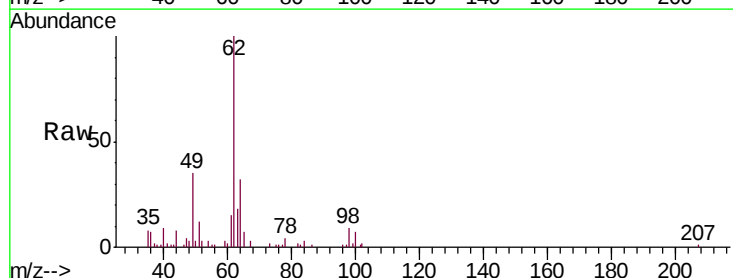
Acq: 13 Feb 2020 15:11

Tgt Ion: 62 Resp: 17970

Ion Ratio Lower Upper

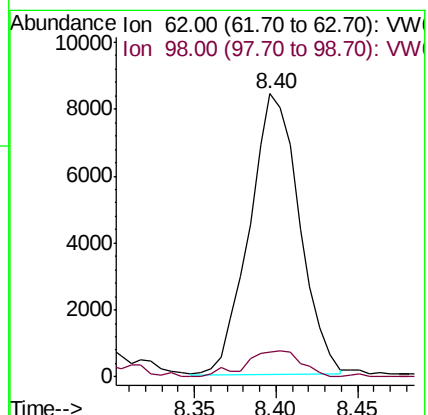
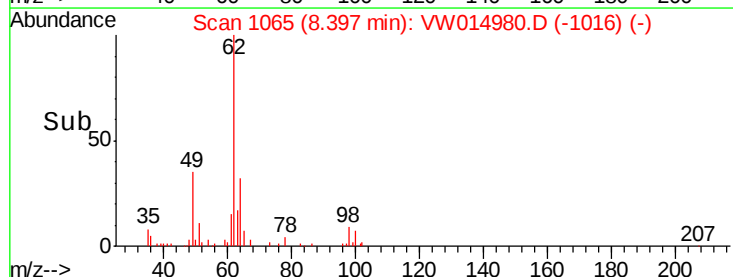
62 100

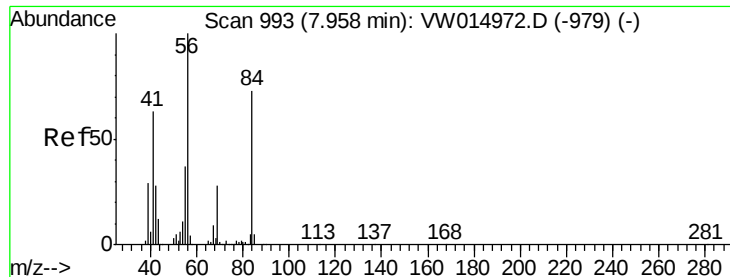
98 9.0 6.2 9.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

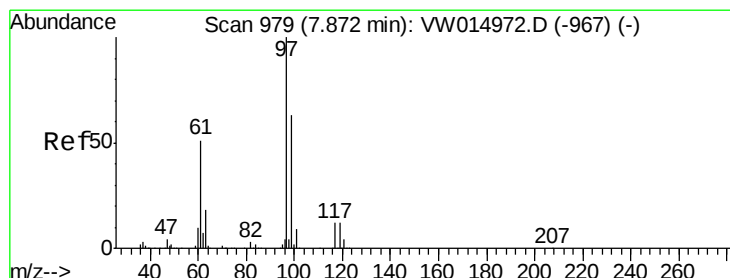
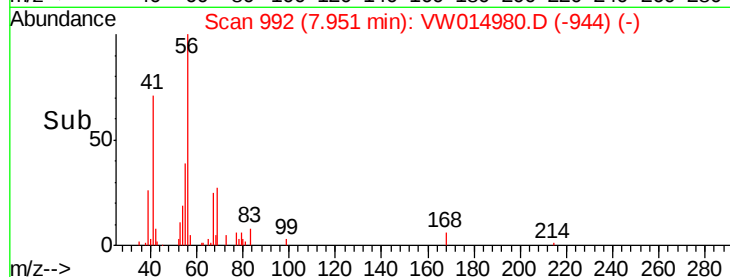
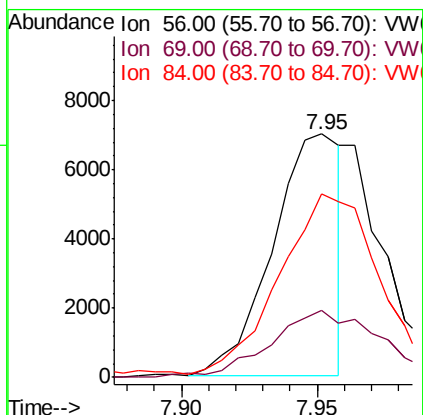
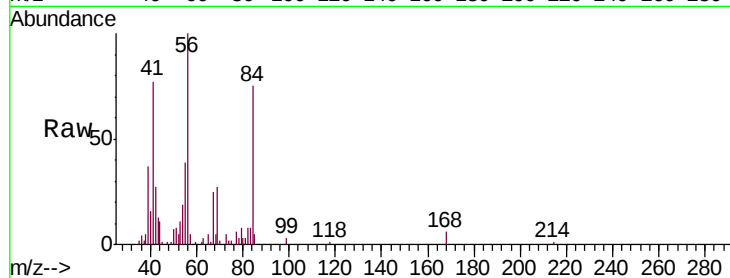




#29
Cyclohexane
Concen: 0.520 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

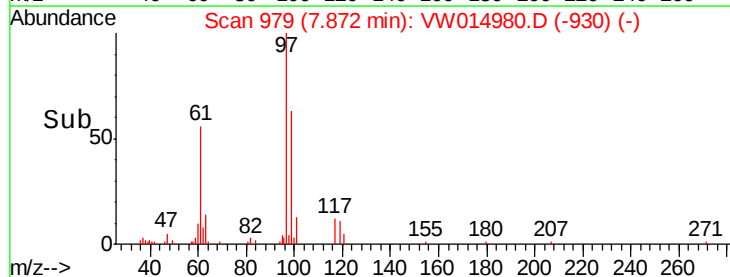
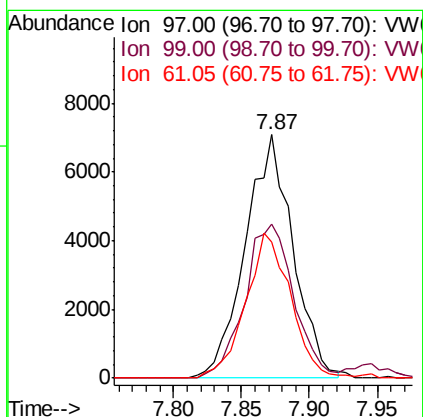
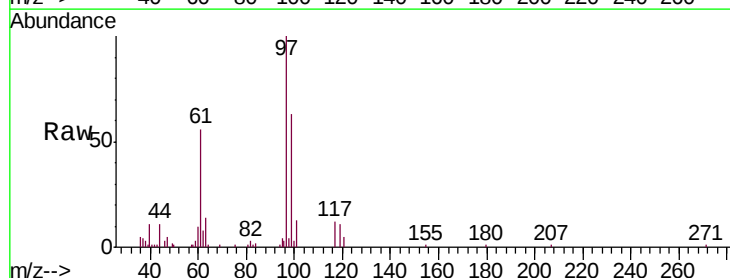
Instrument :
MSVOA_W
ClientSampleId :
MDL02

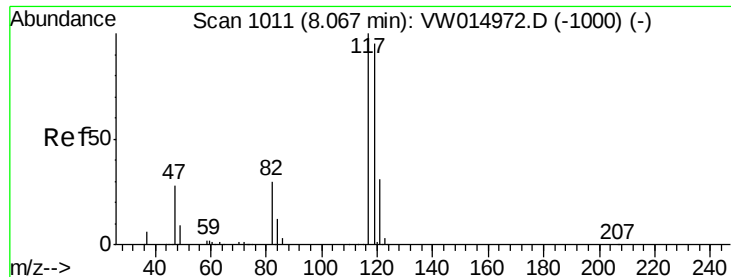
Tgt Ion: 56 Resp: 12243
Ion Ratio Lower Upper
56 100
69 43.6 22.0 33.0#
84 108.0 57.8 86.6#



#30
1,1,1-Trichloroethane
Concen: 0.987 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

Tgt Ion: 97 Resp: 17351
Ion Ratio Lower Upper
97 100
99 65.2 50.6 75.8
61 55.8 42.7 64.1

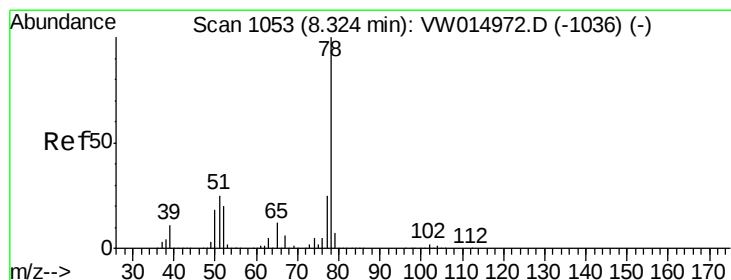
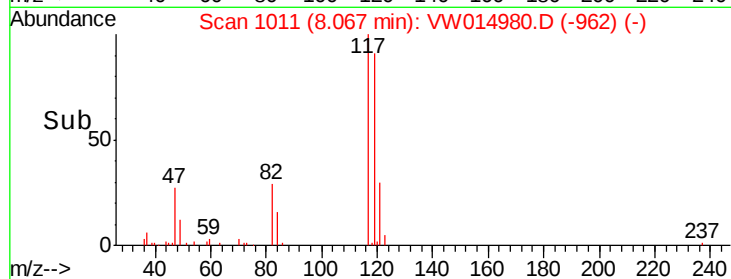
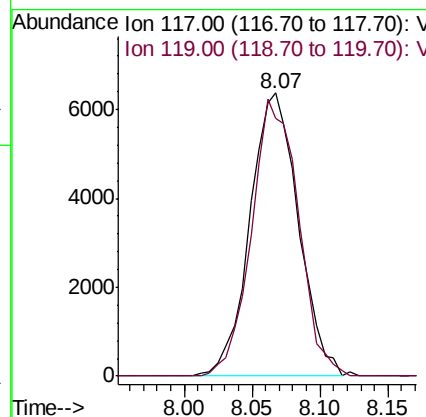
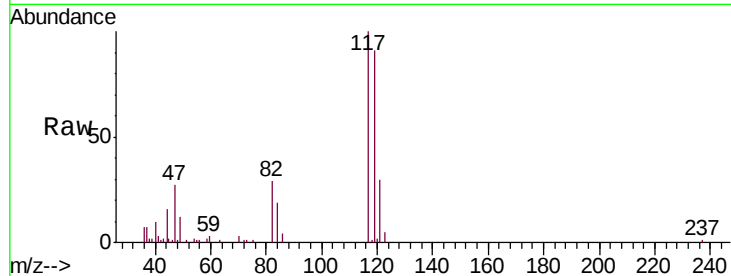




#31
Carbon tetrachloride
Concen: 1.001 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

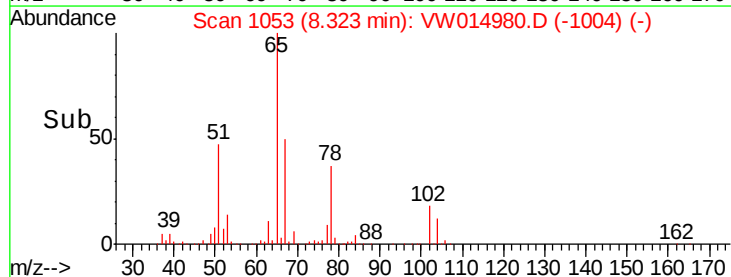
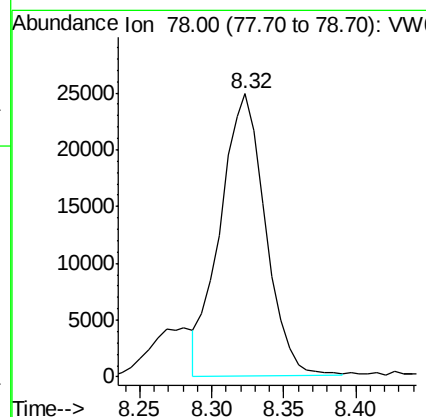
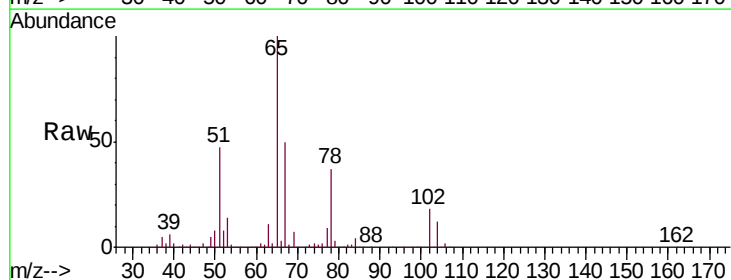
Instrument :
MSVOA_W
ClientSampled :
MDL02

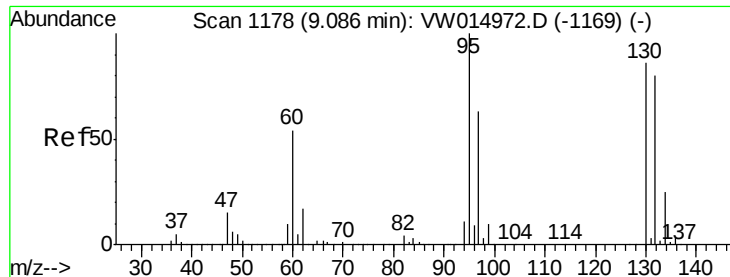
Tgt Ion: 117 Resp: 15862
Ion Ratio Lower Upper
117 100
119 94.8 76.6 114.8



#33
Benzene
Concen: 1.028 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

Tgt Ion: 78 Resp: 54563

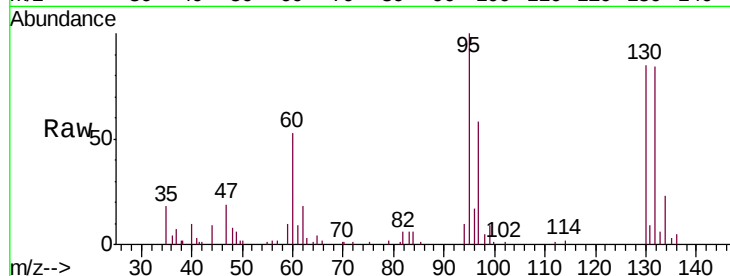




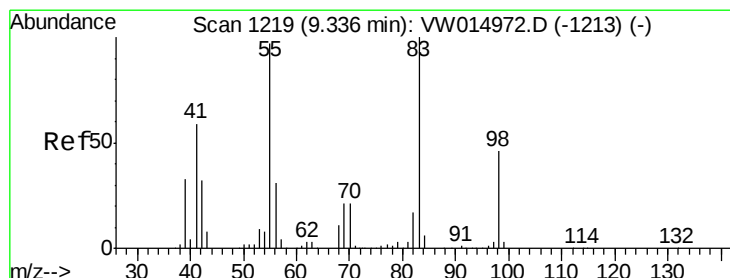
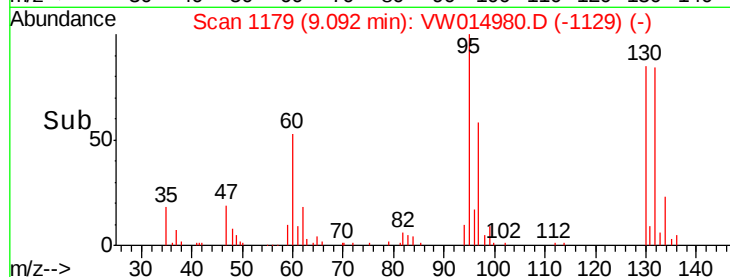
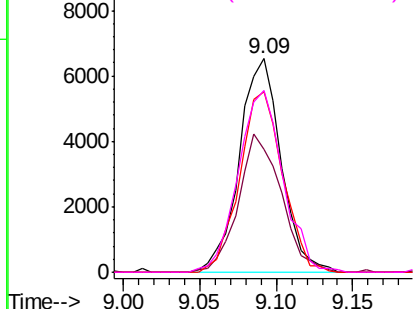
#34
 Trichloroethene
 Concen: 0.977 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL02

Tgt Ion: 95 Resp: 12419
 Ion Ratio Lower Upper
 95 100
 97 57.7 44.2 82.0
 132 84.4 56.1 104.3
 130 85.4 60.1 111.7

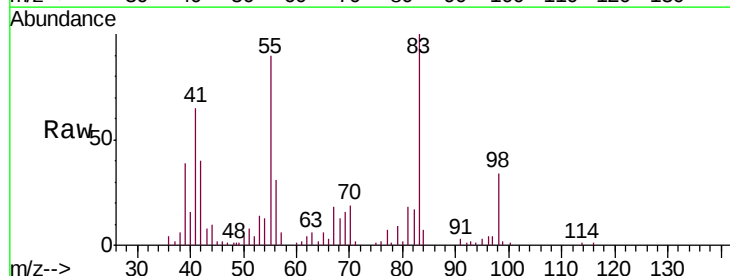


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

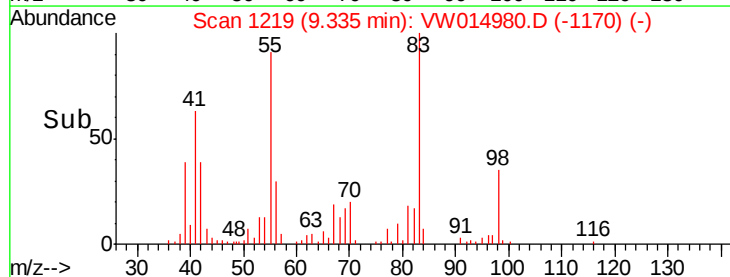
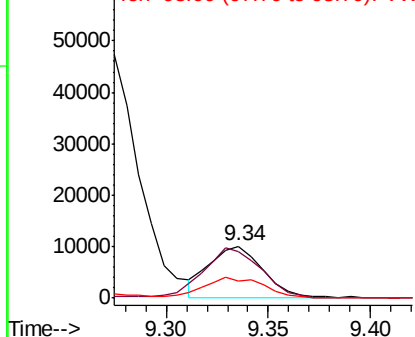


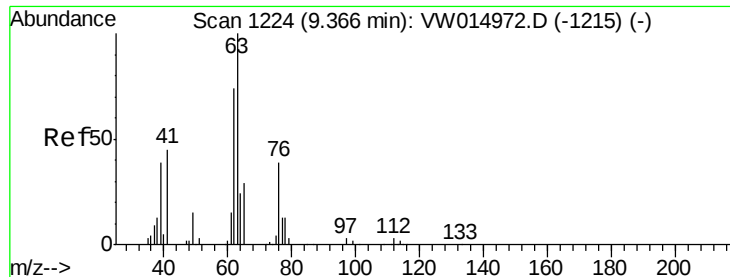
#35
 Methylcyclohexane
 Concen: 0.846 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Tgt Ion: 83 Resp: 18533
 Ion Ratio Lower Upper
 83 100
 55 102.8 76.3 114.5
 98 45.6 36.4 54.6



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

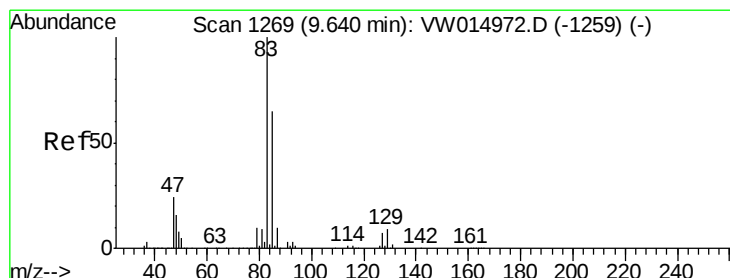
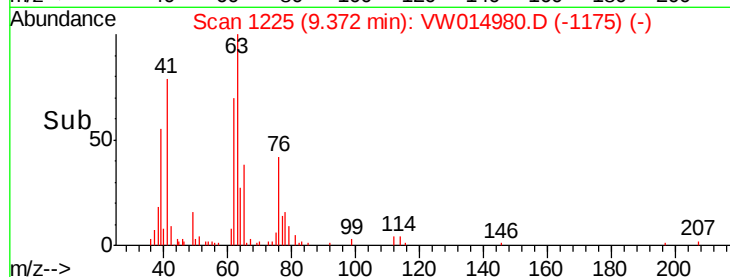
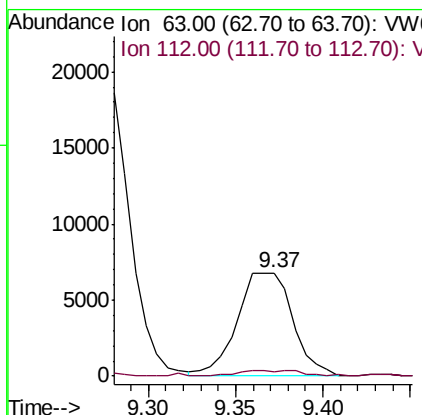
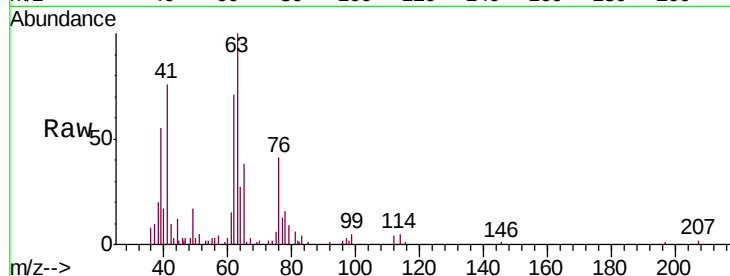




#37
 1,2-Dichloropropane
 Concen: 1.018 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

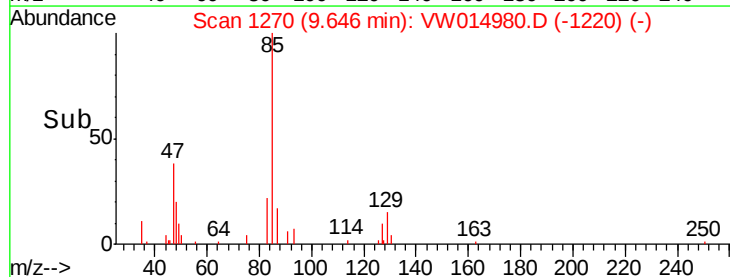
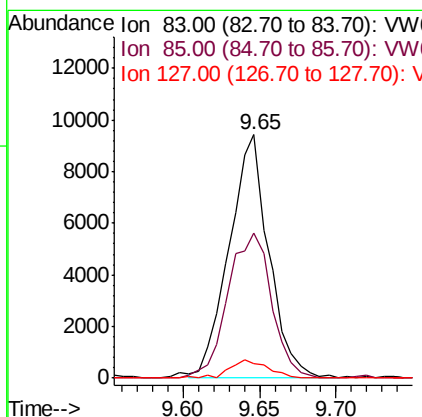
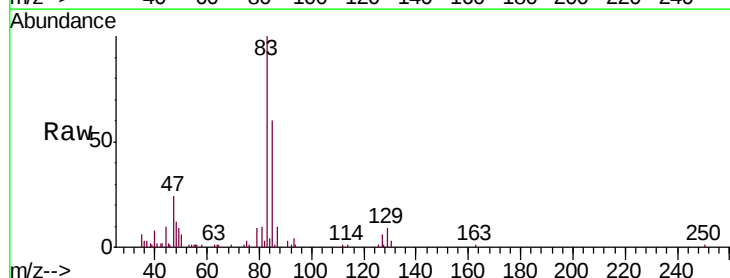
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL02

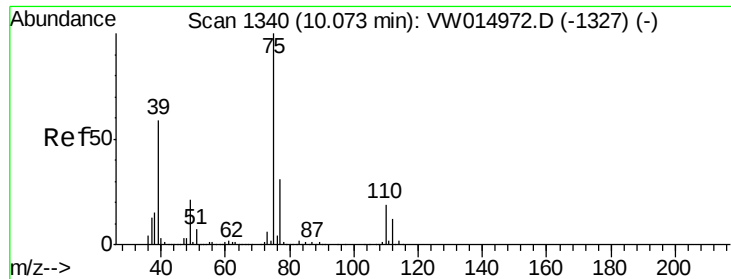
Tgt Ion: 63 Resp: 15086
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.6 4.0



#38
 Bromodichloromethane
 Concen: 1.017 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Tgt Ion: 83 Resp: 16978
 Ion Ratio Lower Upper
 83 100
 85 59.6 45.2 84.0
 127 7.5 5.5 8.3

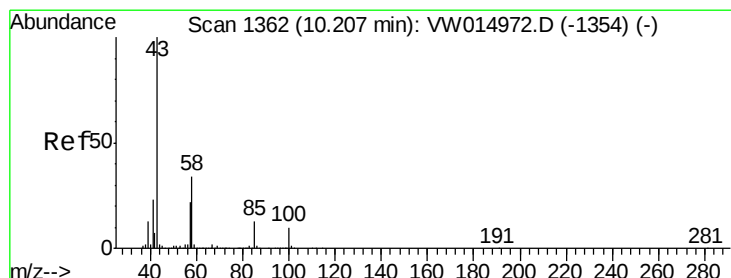
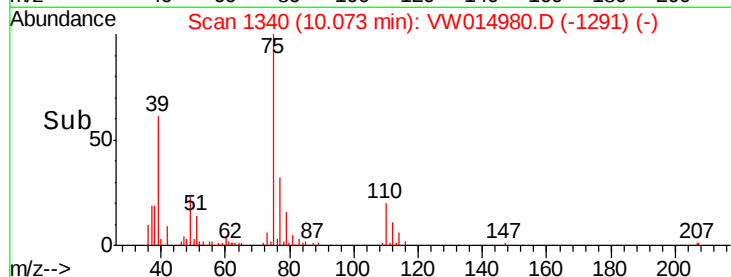
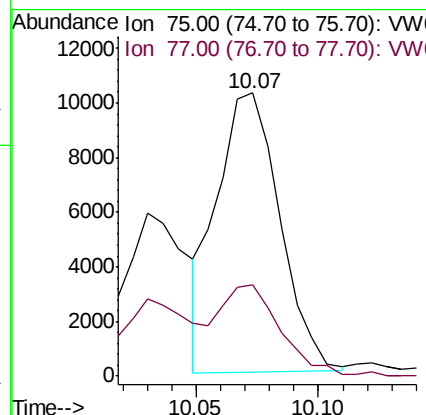
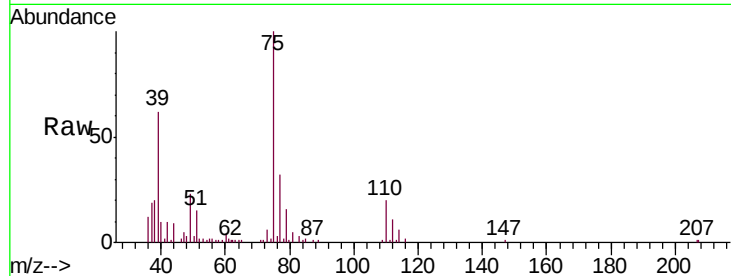




#39
 cis-1,3-Dichloropropene
 Concen: 0.924 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

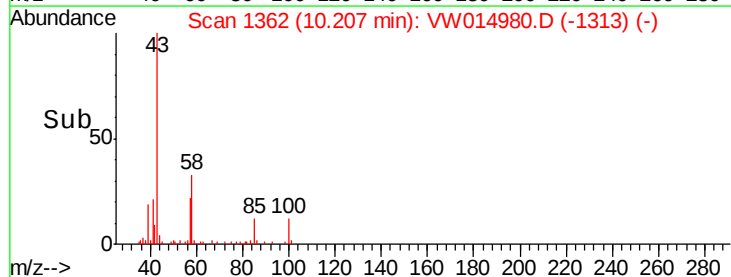
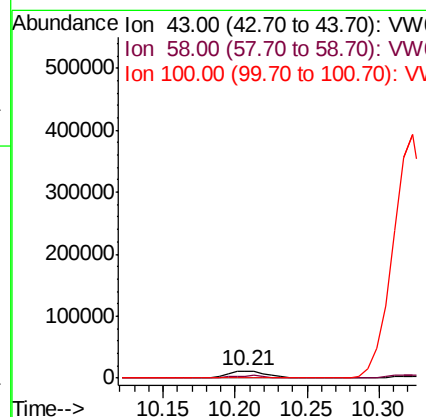
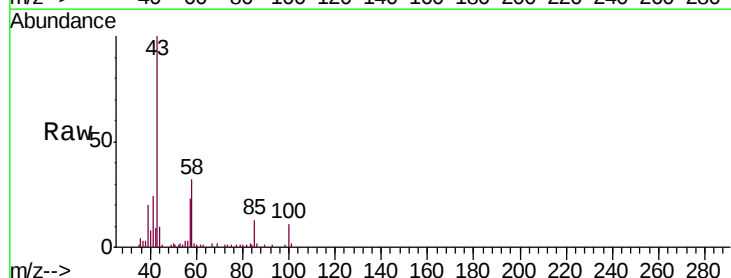
Instrument :
 MSVOA_W
 ClientSampleID :
 MDL02

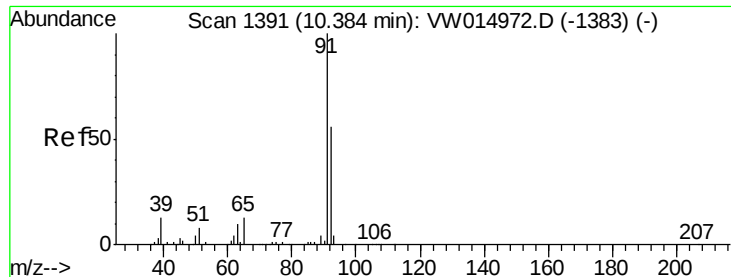
Tgt Ion: 75 Resp: 18329
 Ion Ratio Lower Upper
 75 100
 77 32.3 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 2.080 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Tgt Ion: 43 Resp: 21948
 Ion Ratio Lower Upper
 43 100
 58 34.6 27.7 41.5
 100 10.5 8.6 13.0





#42

Toluene

Concen: 1.078 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

Instrument :

MSVOA_W

ClientSampleId :

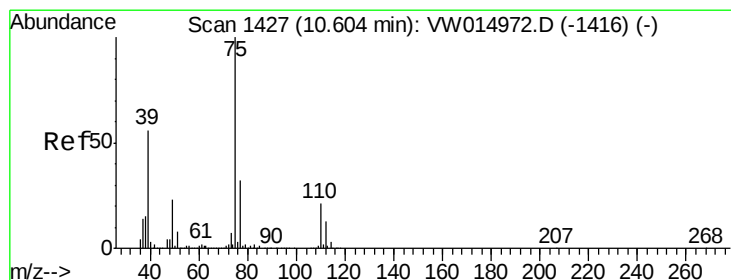
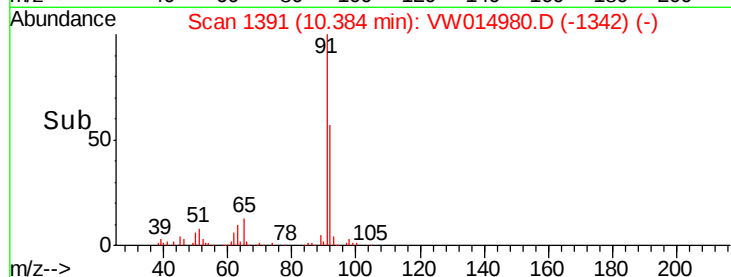
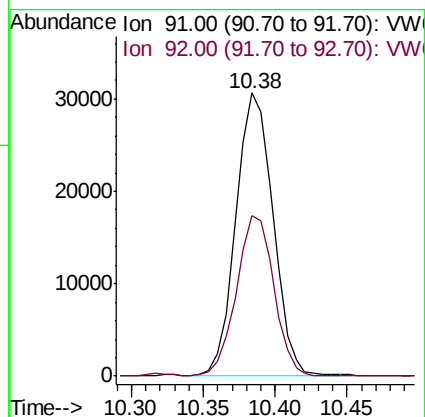
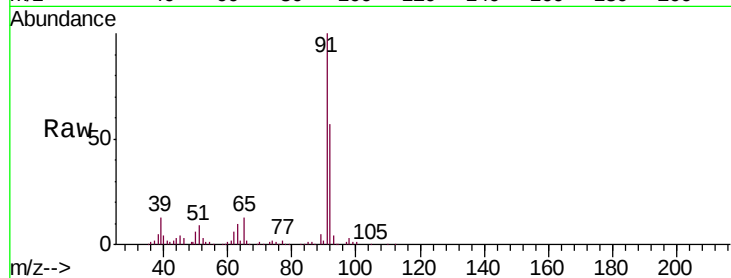
MDL02

Tgt Ion: 91 Resp: 55254

Ion Ratio Lower Upper

91 100

92 56.9 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 1.448 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014980.D

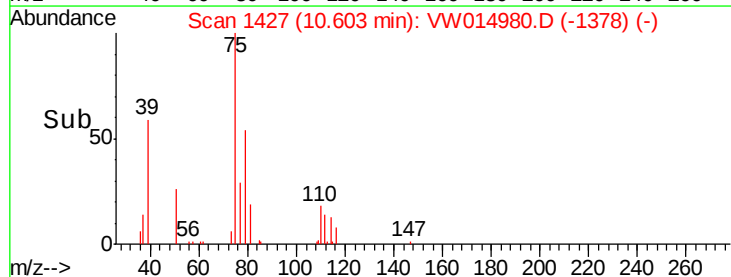
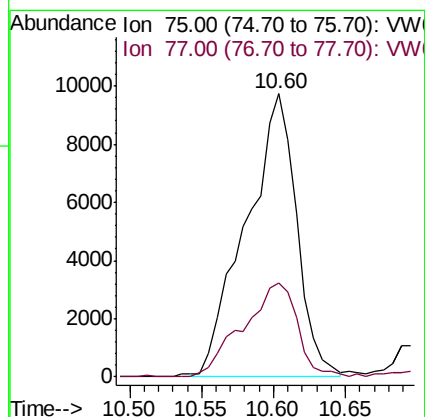
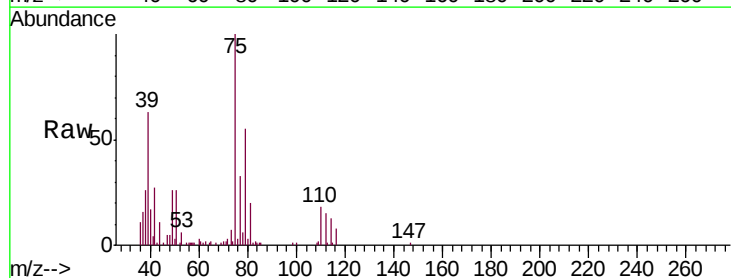
Acq: 13 Feb 2020 15:11

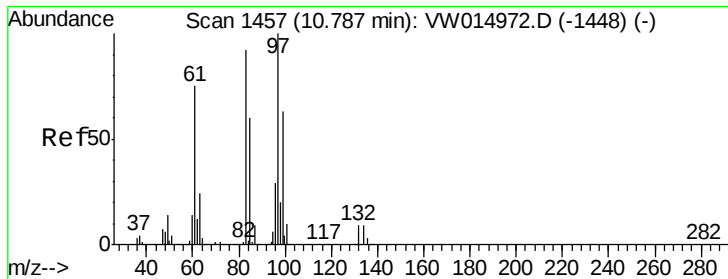
Tgt Ion: 75 Resp: 23817

Ion Ratio Lower Upper

75 100

77 33.0 22.7 42.1

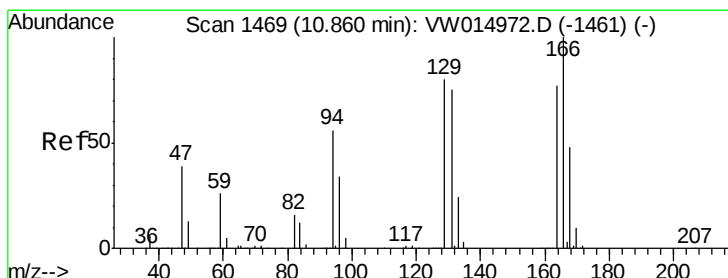
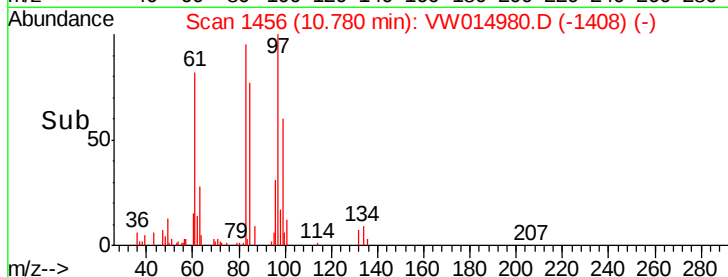
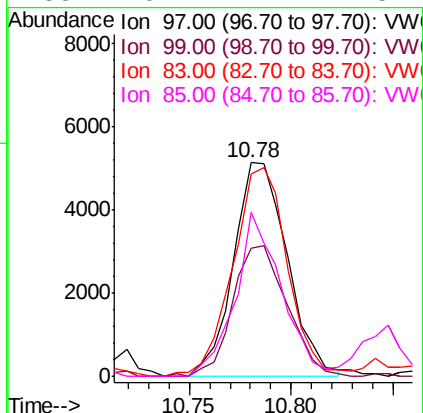
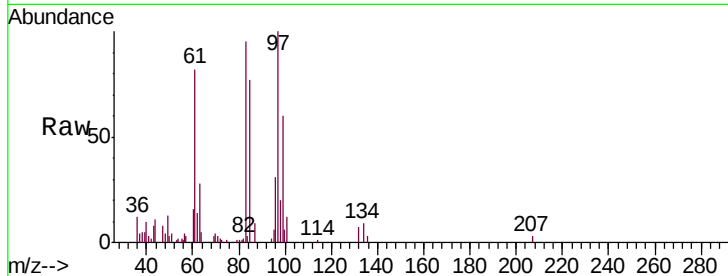




#45
 1,1,2-Trichloroethane
 Concen: 1.044 ug/L
 RT: 10.78 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

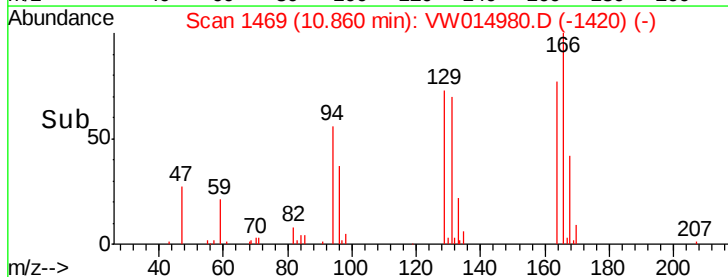
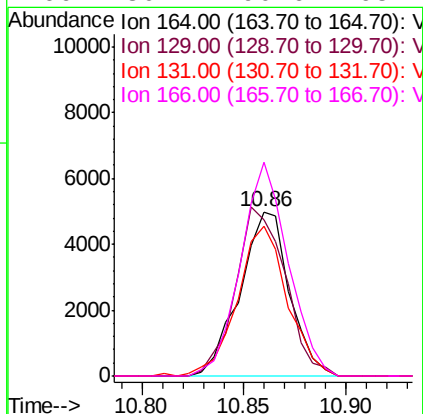
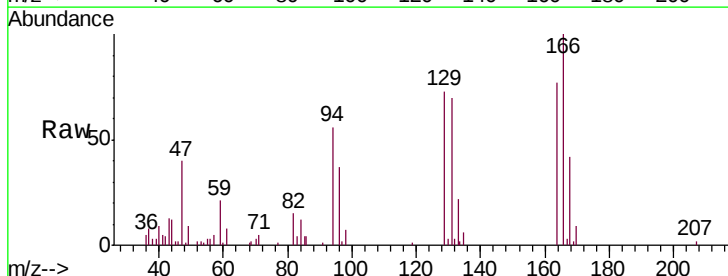
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL02

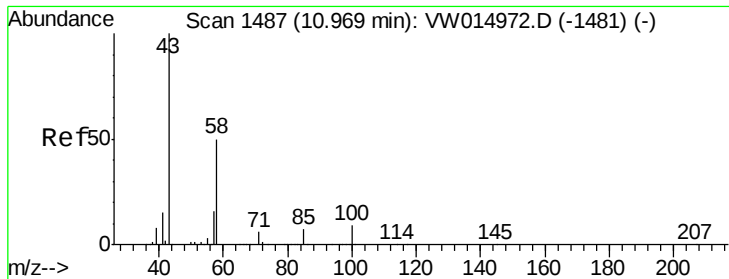
Tgt Ion:	97	Resp:	9381
Ion	Ratio	Lower	Upper
97	100		
99	60.0	44.2	82.0
83	94.5	64.1	119.1
85	76.7	42.1	78.1



#46
 Tetrachloroethene
 Concen: 1.022 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Tgt Ion:	164	Resp:	8436
Ion	Ratio	Lower	Upper
164	100		
129	95.6	72.2	134.2
131	91.1	68.1	126.5
166	130.4	90.6	168.2

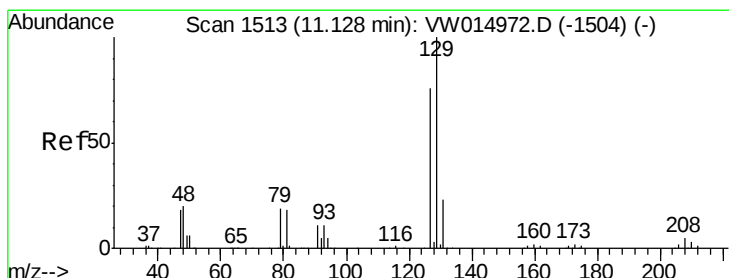
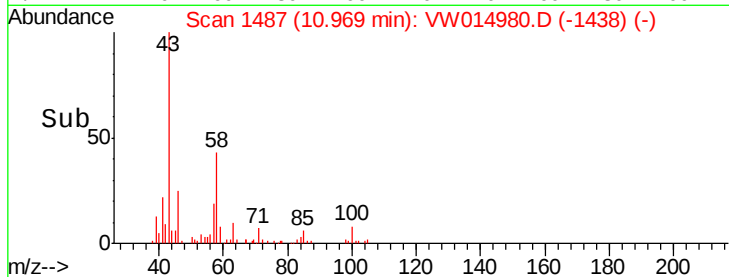
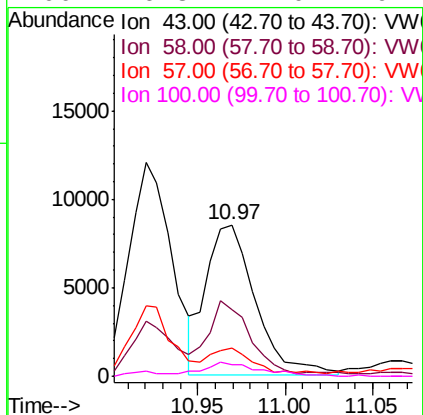
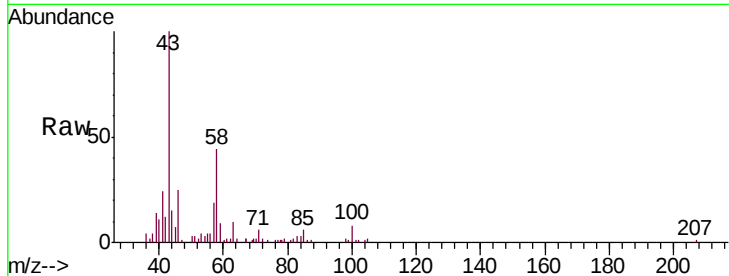




#48
2-Hexanone
Concen: 2.157 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

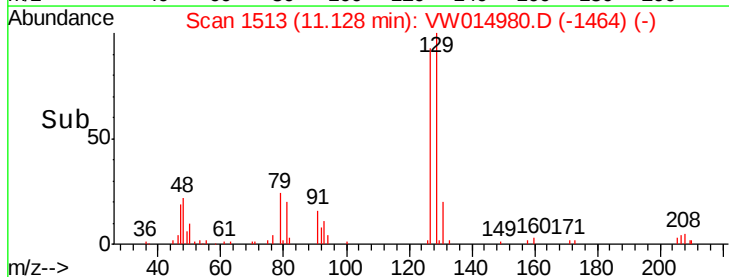
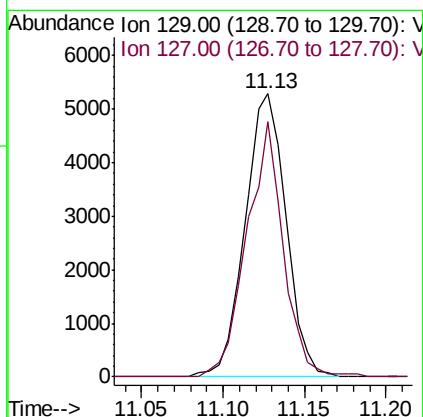
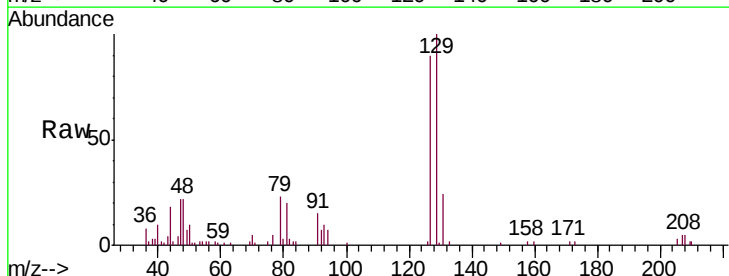
Instrument :
MSVOA_W
ClientSampleId :
MDL02

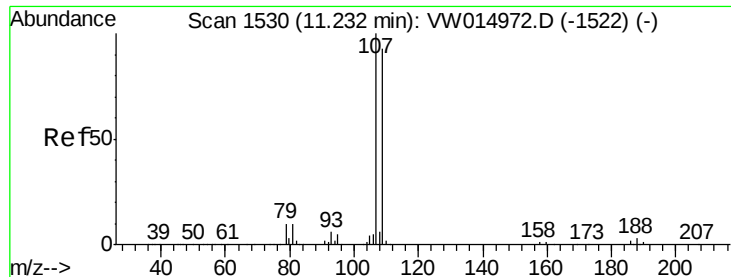
Tgt Ion: 43 Resp: 16580
Ion Ratio Lower Upper
43 100
58 41.3 39.2 58.8
57 15.7 13.1 19.7
100 6.8 7.0 10.4#



#49
Dibromochloromethane
Concen: 0.986 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

Tgt Ion: 129 Resp: 9239
Ion Ratio Lower Upper
129 100
127 89.0 53.0 98.4

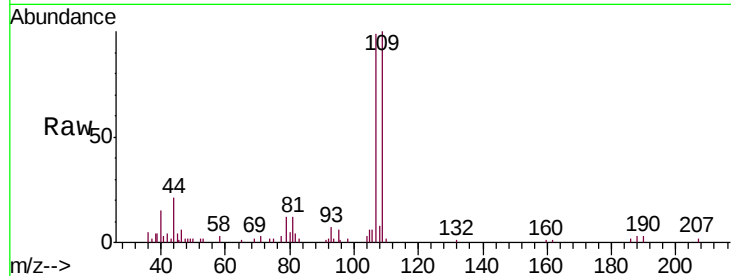




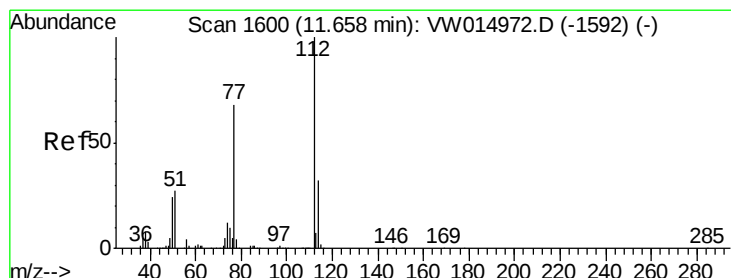
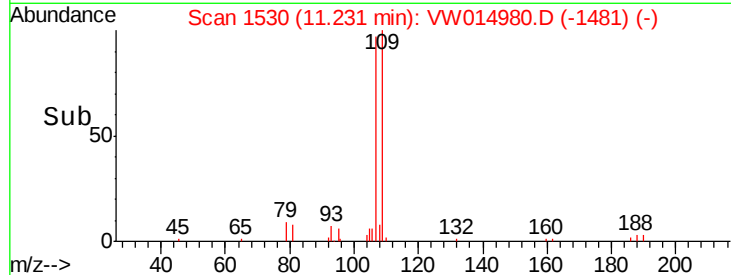
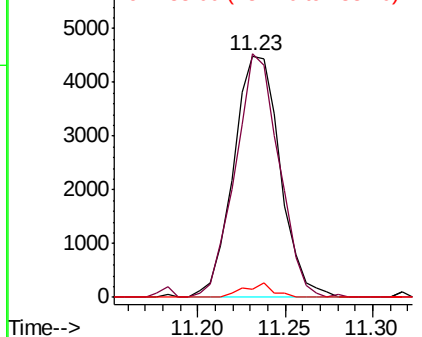
#50
1,2-Dibromoethane
Concen: 1.025 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

Instrument :
MSVOA_W
ClientSampleId :
MDL02

Tgt Ion:107 Resp: 8310
Ion Ratio Lower Upper
107 100
109 100.8 65.1 120.9
188 3.3 2.4 3.6

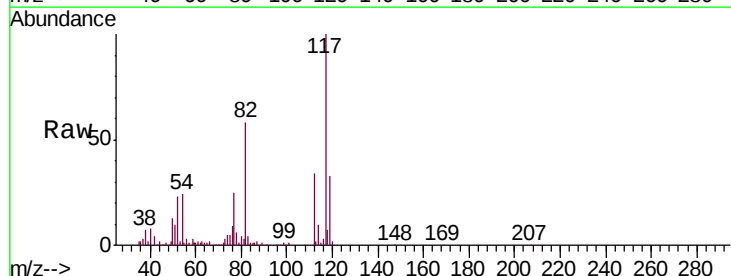


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

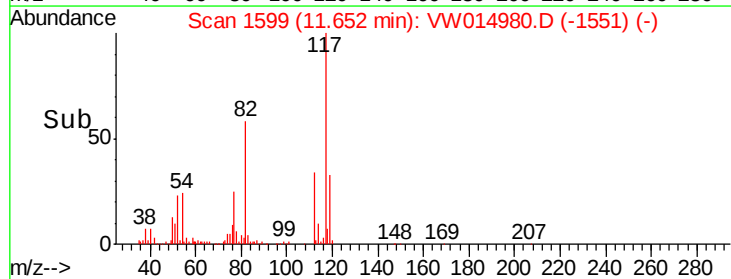
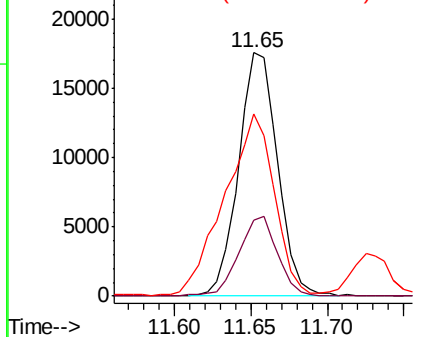


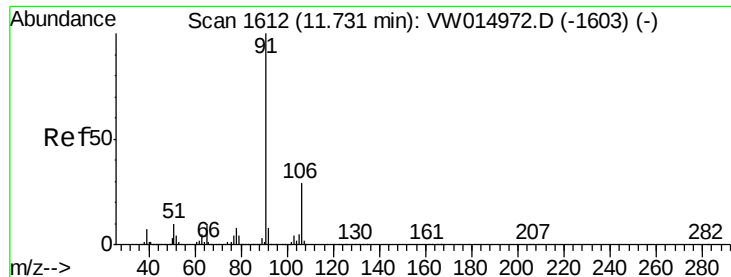
#51
Chlorobenzene
Concen: 1.030 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

Tgt Ion:112 Resp: 31151
Ion Ratio Lower Upper
112 100
114 31.0 22.6 42.0
77 75.1 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: 0.925 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

Instrument :

MSVOA_W

ClientSampled :

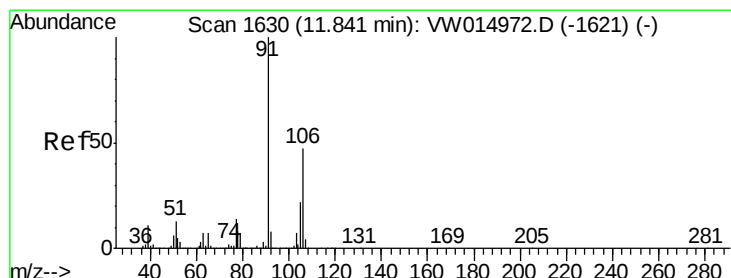
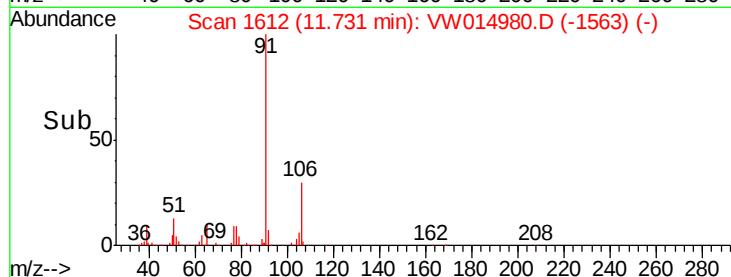
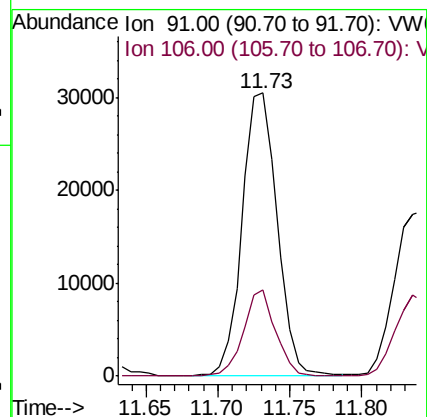
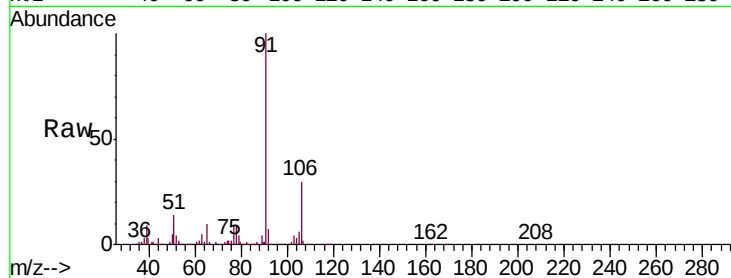
MDL02

Tgt Ion: 91 Resp: 51678

Ion Ratio Lower Upper

91 100

106 30.3 20.2 37.4



#53

m,p-Xylene

Concen: 0.863 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW014980.D

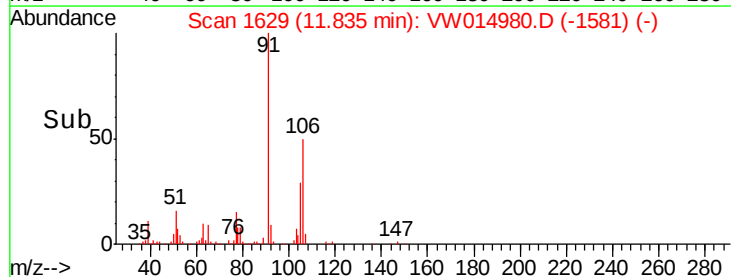
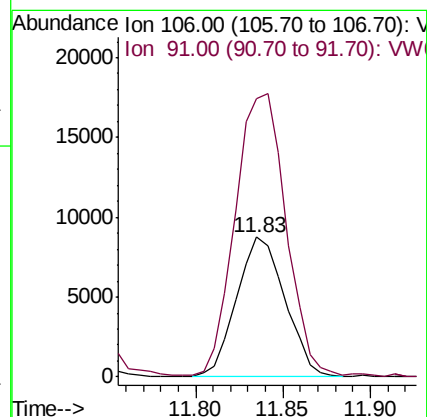
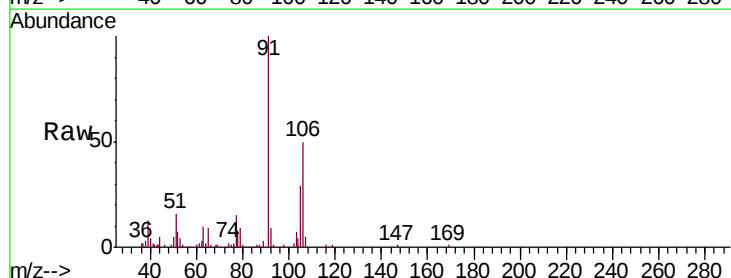
Acq: 13 Feb 2020 15:11

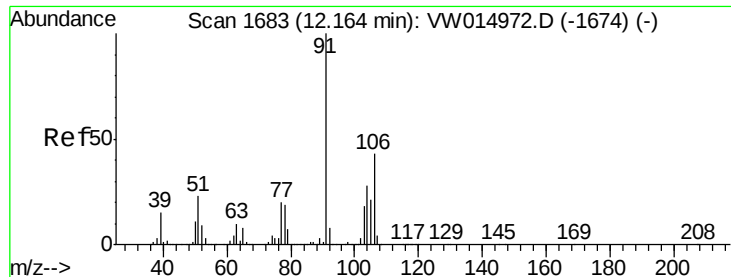
Tgt Ion: 106 Resp: 16901

Ion Ratio Lower Upper

106 100

91 198.8 149.2 277.2





#54

o-Xylene

Concen: 0.778 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

Instrument :

MSVOA_W

ClientSampled :

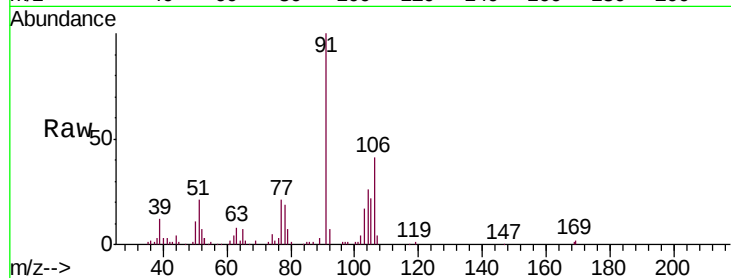
MDL02

Tgt Ion:106 Resp: 14311

Ion Ratio Lower Upper

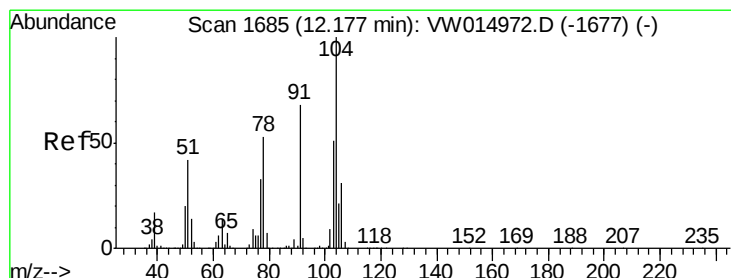
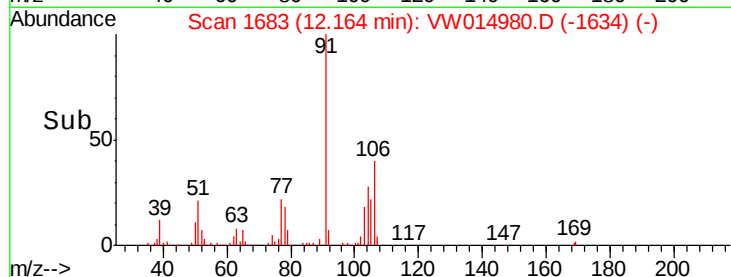
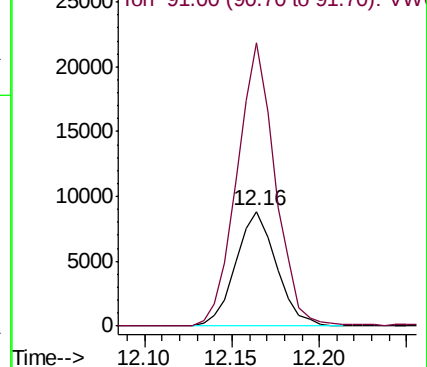
106 100

91 246.4 163.7 304.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

Styrene

Concen: 0.764 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW014980.D

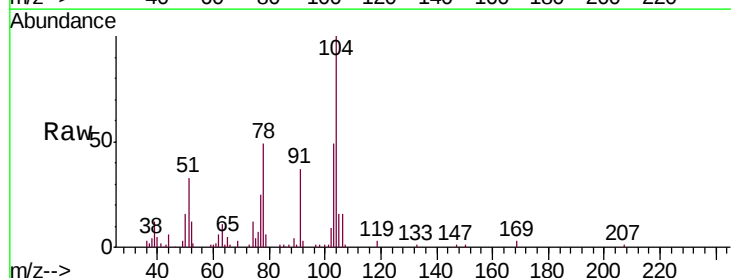
Acq: 13 Feb 2020 15:11

Tgt Ion:104 Resp: 24247

Ion Ratio Lower Upper

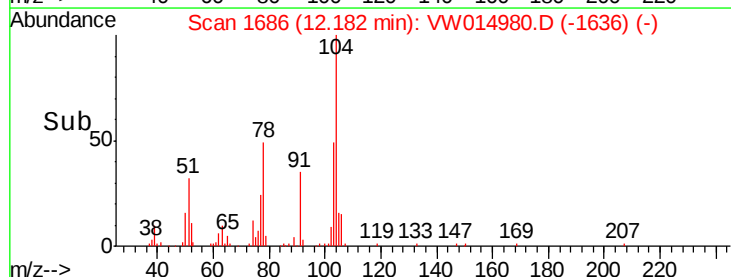
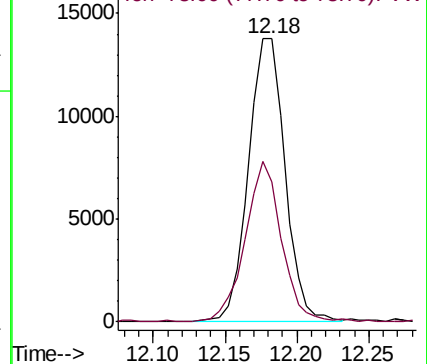
104 100

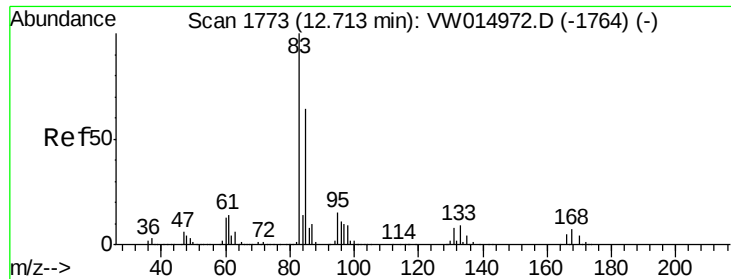
78 49.4 36.8 68.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

1,1,2,2-Tetrachloroethane

Concen: 1.116 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

Instrument :

MSVOA_W

ClientSampled :

MDL02

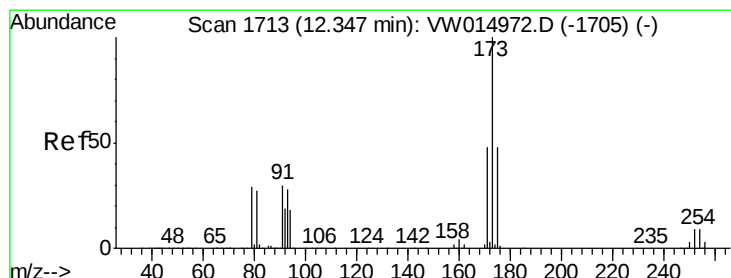
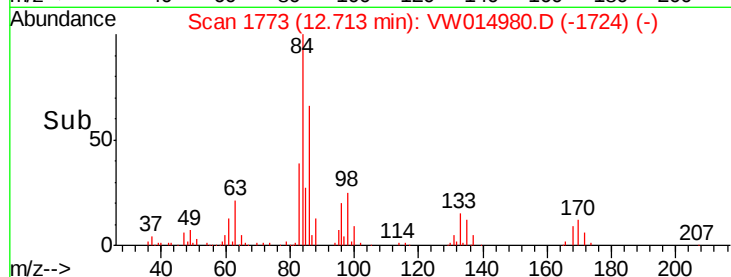
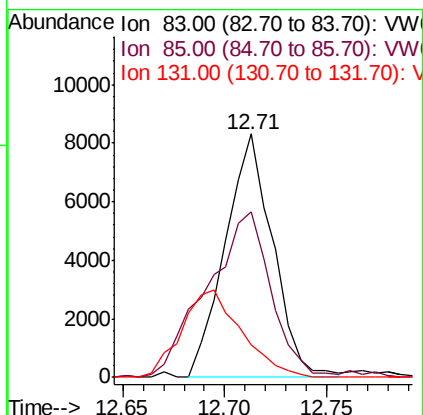
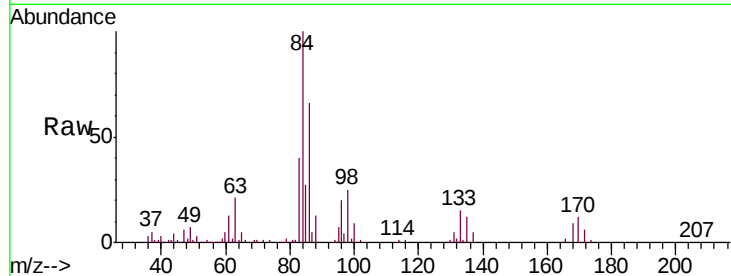
Tgt Ion: 83 Resp: 13420

Ion Ratio Lower Upper

83 100

85 68.2 44.9 83.5

131 13.3 6.2 9.2#



#59

Bromoform

Concen: 1.103 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

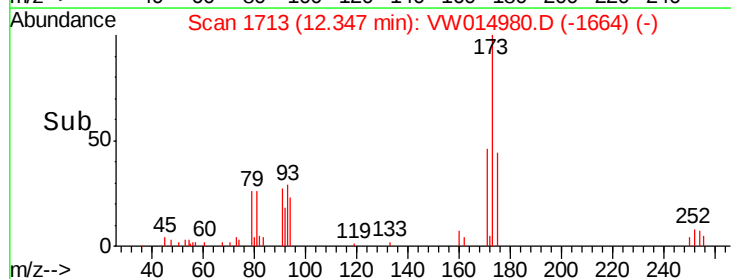
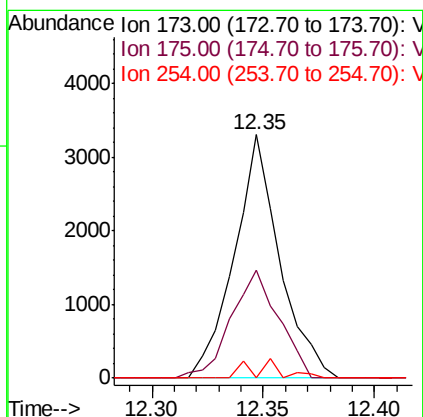
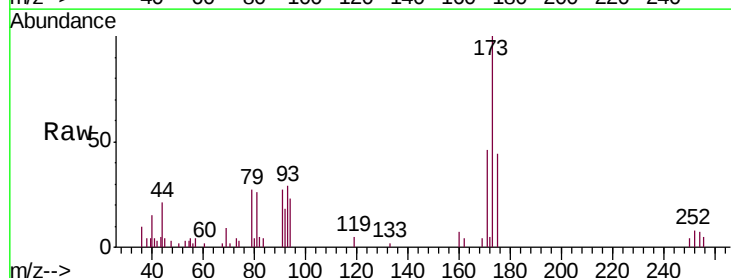
Tgt Ion: 173 Resp: 4691

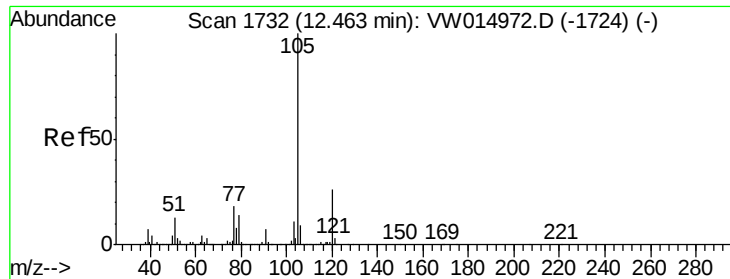
Ion Ratio Lower Upper

173 100

175 46.1 39.0 58.4

254 2.1 7.1 10.7#





#60

Isopropylbenzene

Concen: 0.851 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

Instrument :

MSVOA_W

ClientSampleId :

MDL02

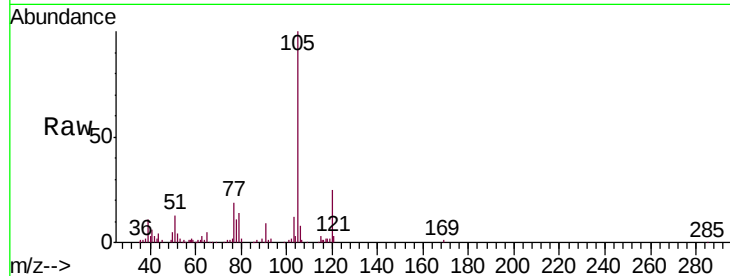
Tgt Ion: 105 Resp: 37086

Ion Ratio Lower Upper

105 100

120 25.9 20.1 30.1

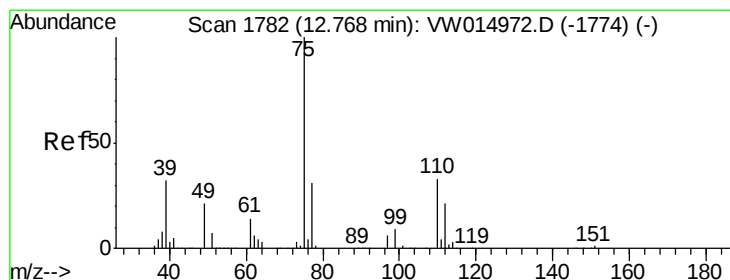
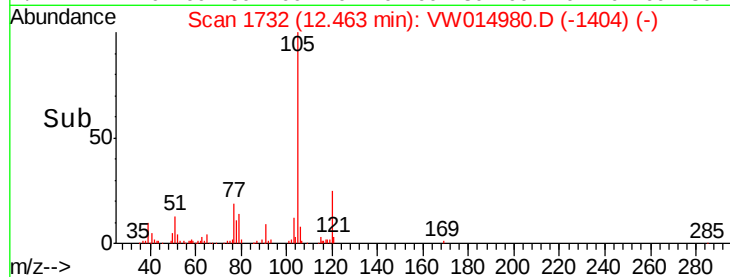
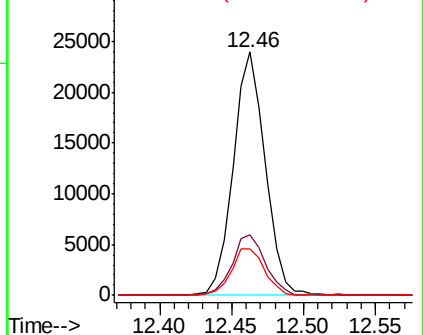
77 20.3 14.4 21.6



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: 1.159 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

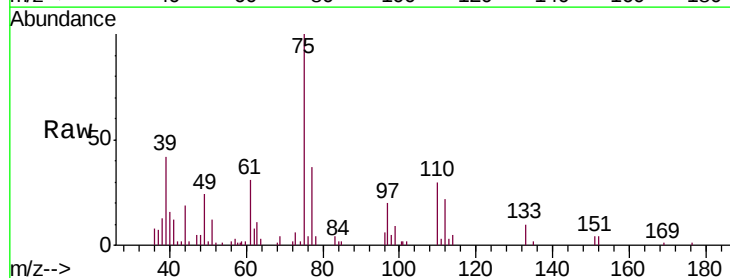
Tgt Ion: 75 Resp: 9454

Ion Ratio Lower Upper

75 100

77 37.1 25.8 38.6

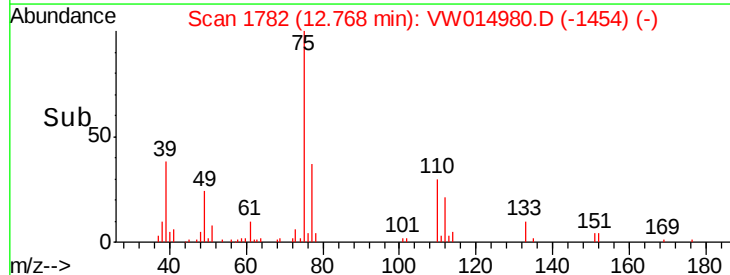
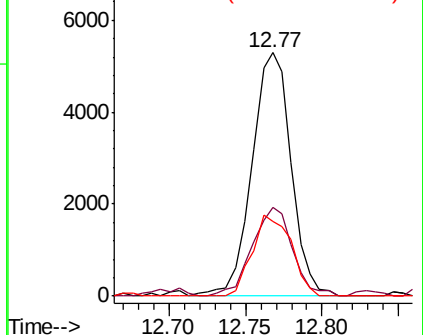
110 32.9 26.6 39.8

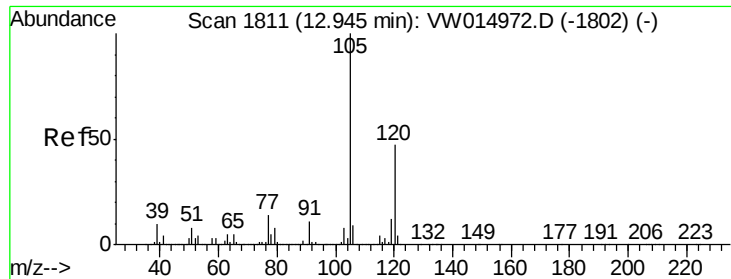


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V

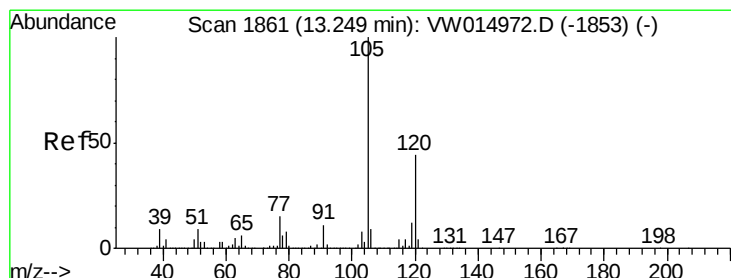
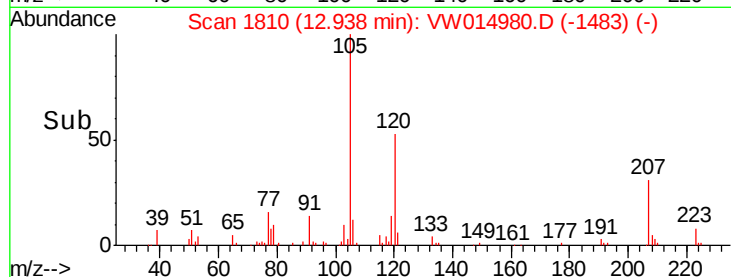
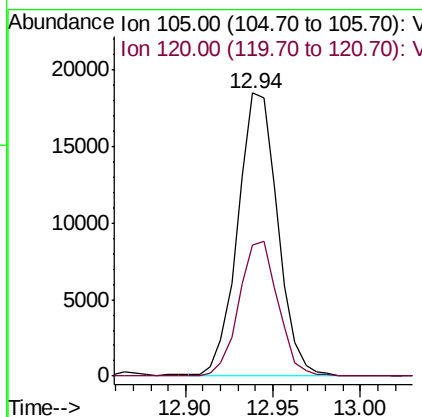
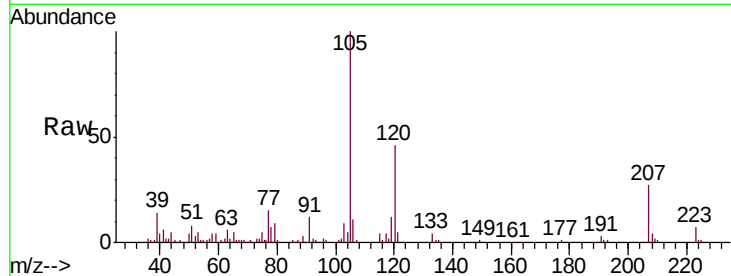




#62
 1,3,5-Trimethylbenzene
 Concen: 0.850 ug/L
 RT: 12.94 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

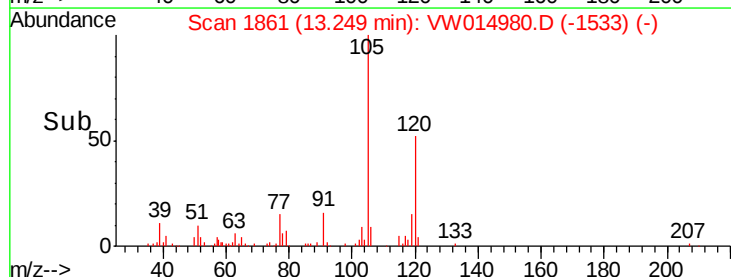
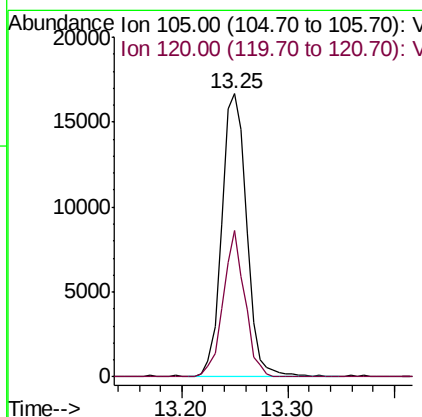
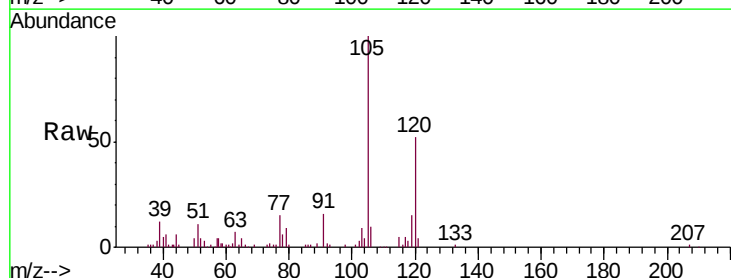
Instrument :
 MSVOA_W
 ClientSampled :
 MDL02

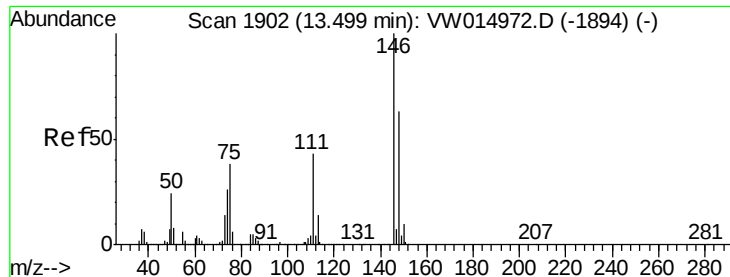
Tgt Ion:105 Resp: 29522
 Ion Ratio Lower Upper
 105 100
 120 46.5 37.4 56.0



#63
 1,2,4-Trimethylbenzene
 Concen: 0.807 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Tgt Ion:105 Resp: 27419
 Ion Ratio Lower Upper
 105 100
 120 44.6 35.0 52.4

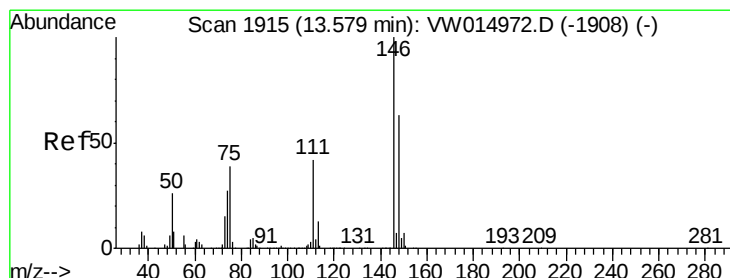
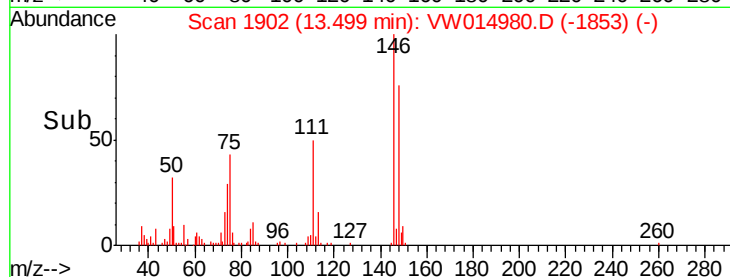
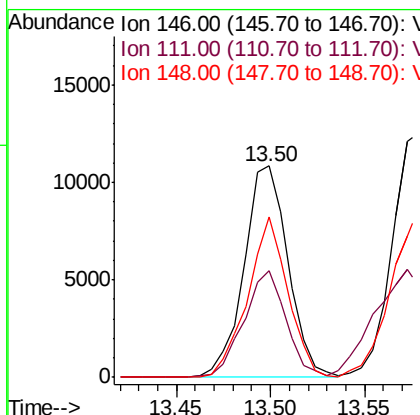
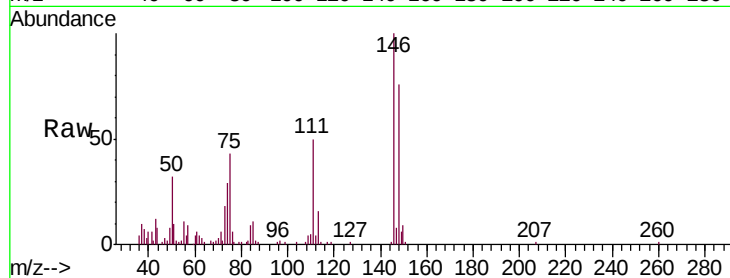




#64
 1,3-Dichlorobenzene
 Concen: 0.980 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

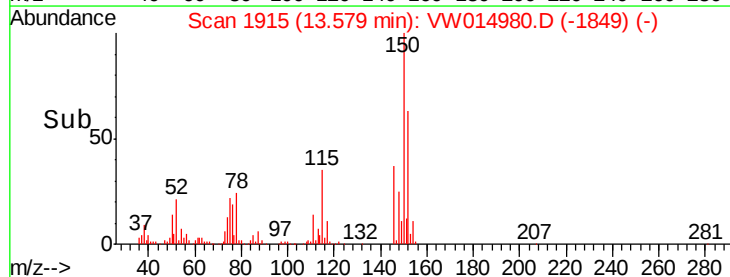
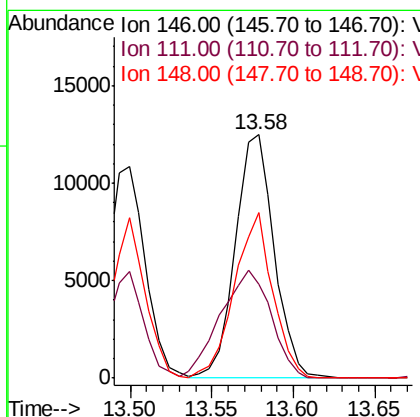
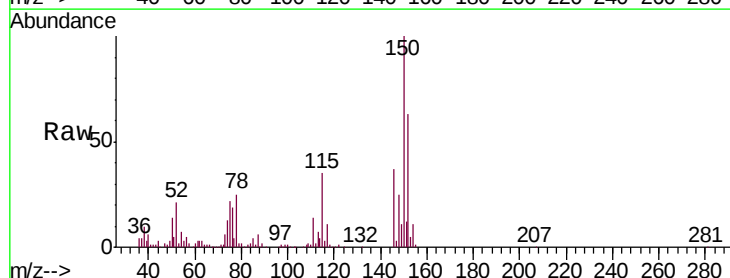
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL02

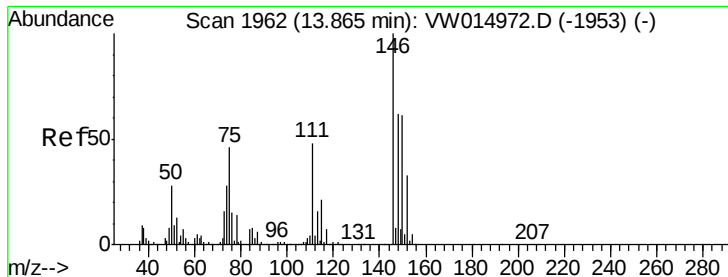
Tgt Ion:146 Resp: 17603
 Ion Ratio Lower Upper
 146 100
 111 50.5 30.2 56.0
 148 75.8 44.2 82.2



#65
 1,4-Dichlorobenzene
 Concen: 1.120 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Tgt Ion:146 Resp: 20728
 Ion Ratio Lower Upper
 146 100
 111 38.4 29.5 54.9
 148 68.0 43.8 81.3

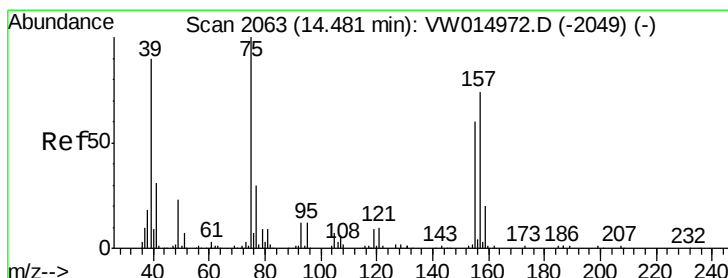
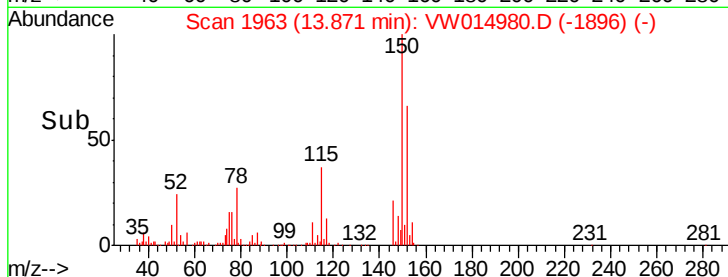
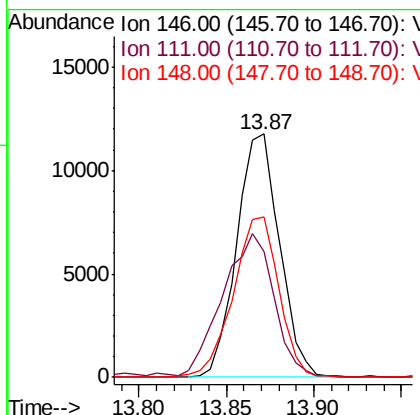
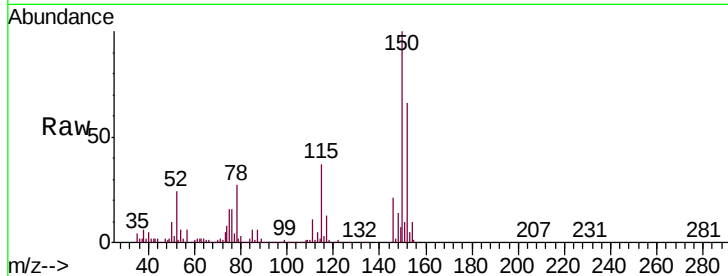




#67
 1,2-Dichlorobenzene
 Concen: 1.207 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

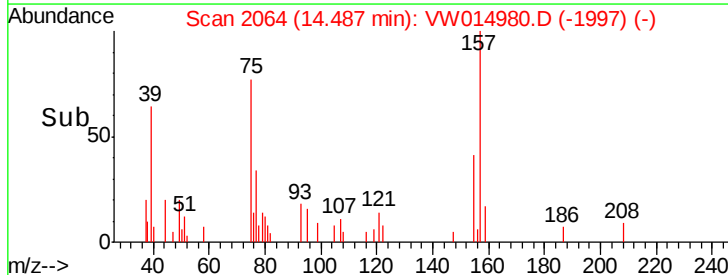
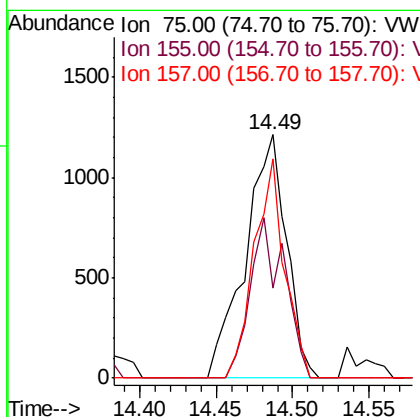
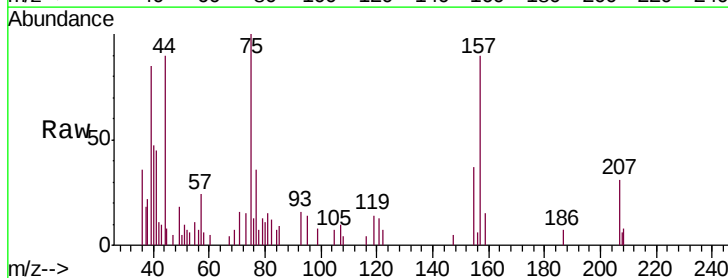
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL02

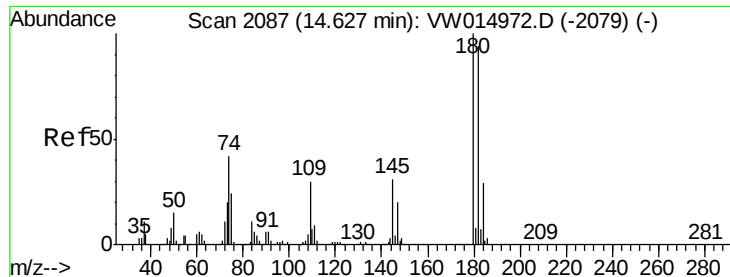
Tgt Ion:146 Resp: 20057
 Ion Ratio Lower Upper
 146 100
 111 51.5 38.0 57.0
 148 65.9 49.5 74.3



#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.328 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Tgt Ion: 75 Resp: 2265
 Ion Ratio Lower Upper
 75 100
 155 37.1 48.0 72.0#
 157 90.4 59.4 89.0#

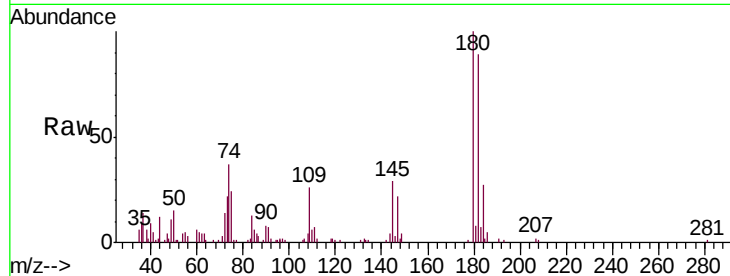




#69
 1,3,5-Trichlorobenzene
 Concen: 1.050 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Instrument :
 MSVOA_W
 ClientSampled :
 MDL02

Tgt Ion:	180	Resp:	12635
Ion	Ratio	Lower	Upper
180	100		
182	89.2	76.5	114.7
184	30.7	24.2	36.2
145	30.0	25.0	37.6



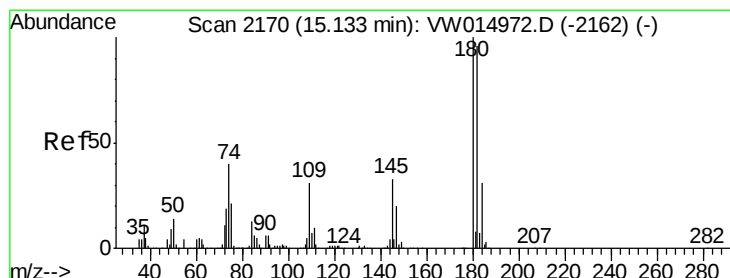
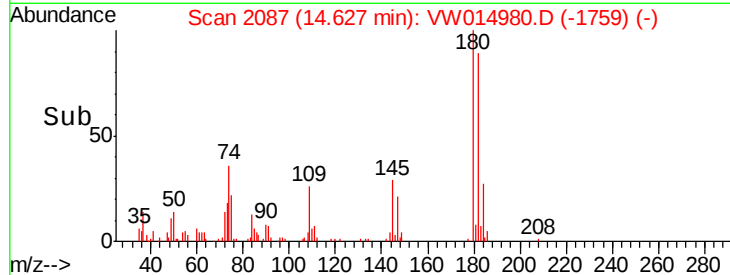
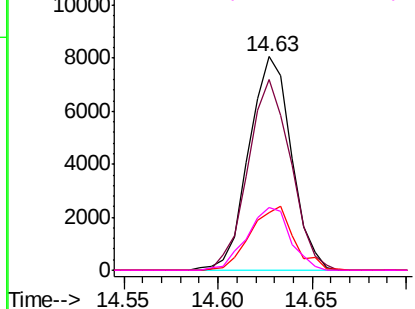
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

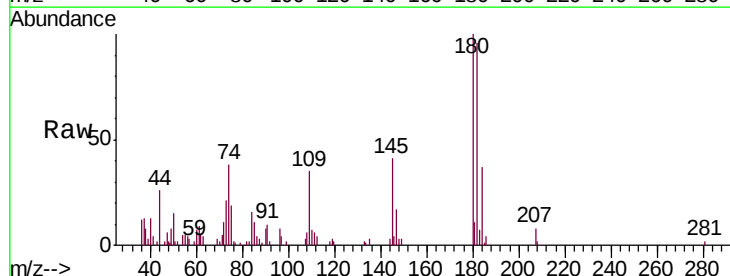
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 0.888 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Tgt Ion:	180	Resp:	8014
Ion	Ratio	Lower	Upper
180	100		
182	97.8	76.2	114.4
145	33.7	26.2	39.4

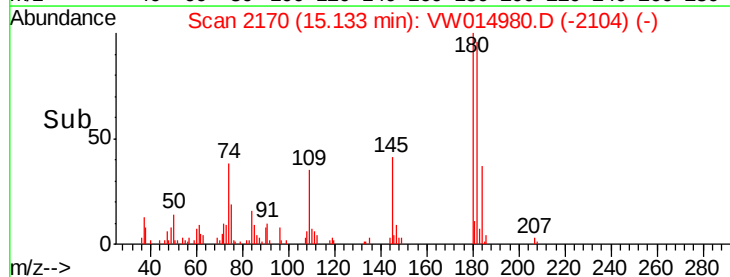
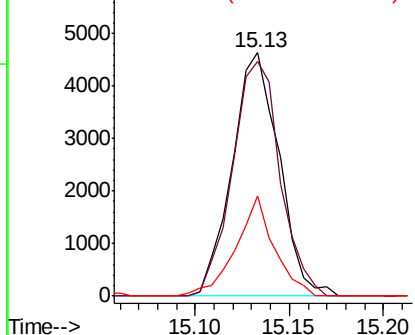


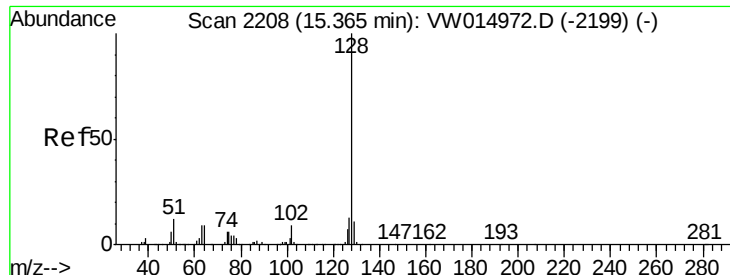
Abundance

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

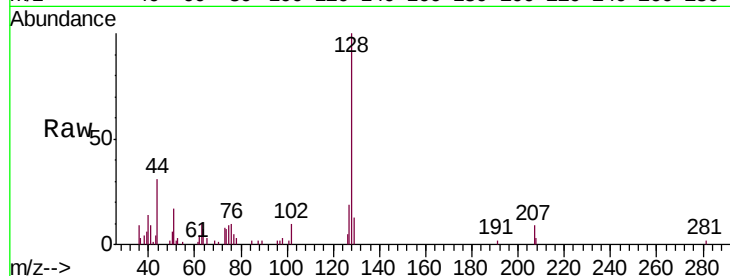




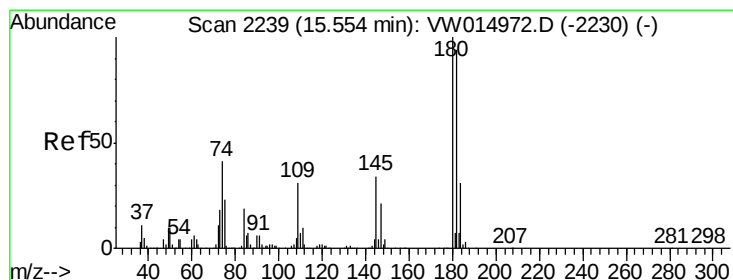
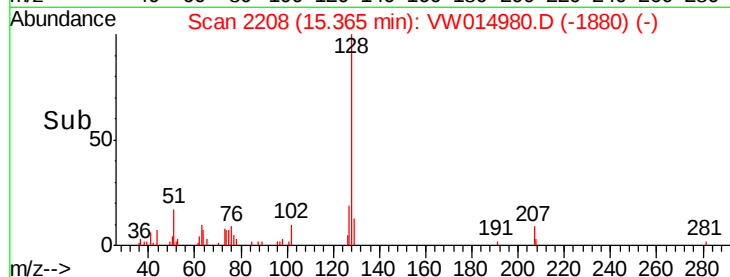
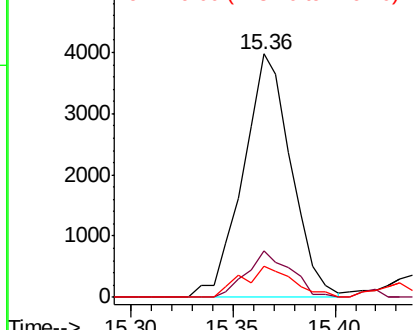
#71
Naphthalene
Concen: 0.702 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

Instrument :
MSVOA_W
ClientSampled :
MDL02

Tgt Ion:128 Resp: 6503
Ion Ratio Lower Upper
128 100
127 17.6 10.5 15.7#
129 9.0 8.6 12.8

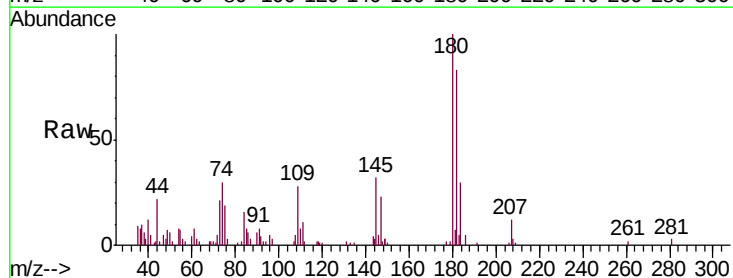


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 0.969 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

Tgt Ion:180 Resp: 8096
Ion Ratio Lower Upper
180 100
182 85.9 75.2 112.8
145 32.3 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

