

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110120\
 Data File : VX019200.D
 Acq On : 30 Oct 2020 12:54
 Operator : JC/MD
 Sample : L4485-13
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-06

Quant Time: Oct 30 15:03:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR102920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 30 08:55:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.82	114	246854	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.09	117	224853	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	103428	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	66401	4.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.20%
7) Chloroethane-d5	1.70	69	57416	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.20%
11) 1,1-Dichloroethene-d2	2.34	63	101367	3.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.00%
20) 2-Butanone-d5	4.56	46	162129	46.45	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.90%
24) Chloroform-d	5.14	84	130828	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
26) 1,2-Dichloroethane-d4	6.03	65	71729	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
32) Benzene-d6	6.04	84	268414	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
36) 1,2-Dichloropropane-d6	7.37	67	78305	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	8.69	98	246471	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.80%
43) trans-1,3-Dichloropropene-	8.99	79	32064	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	9.43	63	147172	44.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.94%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	57070	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.60%
66) 1,2-Dichlorobenzene-d4	12.36	152	85668	4.46	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	4464	0.219 ug/L	99
3) Chloromethane	1.31	50	4236	0.241 ug/L	96
5) Vinyl chloride	1.39	62	4723	0.238 ug/L	83
6) Bromomethane	1.64	94	3062	0.240 ug/L	94
8) Chloroethane	1.72	64	2575	0.214 ug/L	95
9) Trichlorofluoromethane	1.92	101	6223	0.217 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	4290	0.264 ug/L #	85
12) 1,1-Dichloroethene	2.36	96	4155	0.262 ug/L #	1
13) Acetone	2.47	43	3325	1.671 ug/L	96
14) Carbon disulfide	2.55	76	10624	0.216 ug/L	98
15) Methyl Acetate	2.76	43	1311	0.247 ug/L	92
16) Methylene chloride	2.83	84	8623	0.457 ug/L	89
17) Methyl tert-butyl Ether	3.16	73	8132	0.215 ug/L #	94
18) trans-1,2-Dichloroethene	3.14	96	3761	0.226 ug/L	97
19) 1,1-Dichloroethane	3.67	63	6048	0.212 ug/L	95
21) 2-Butanone	4.66	43	8409	2.406 ug/L	94
22) cis-1,2-Dichloroethene	4.56	96	3649	0.206 ug/L	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

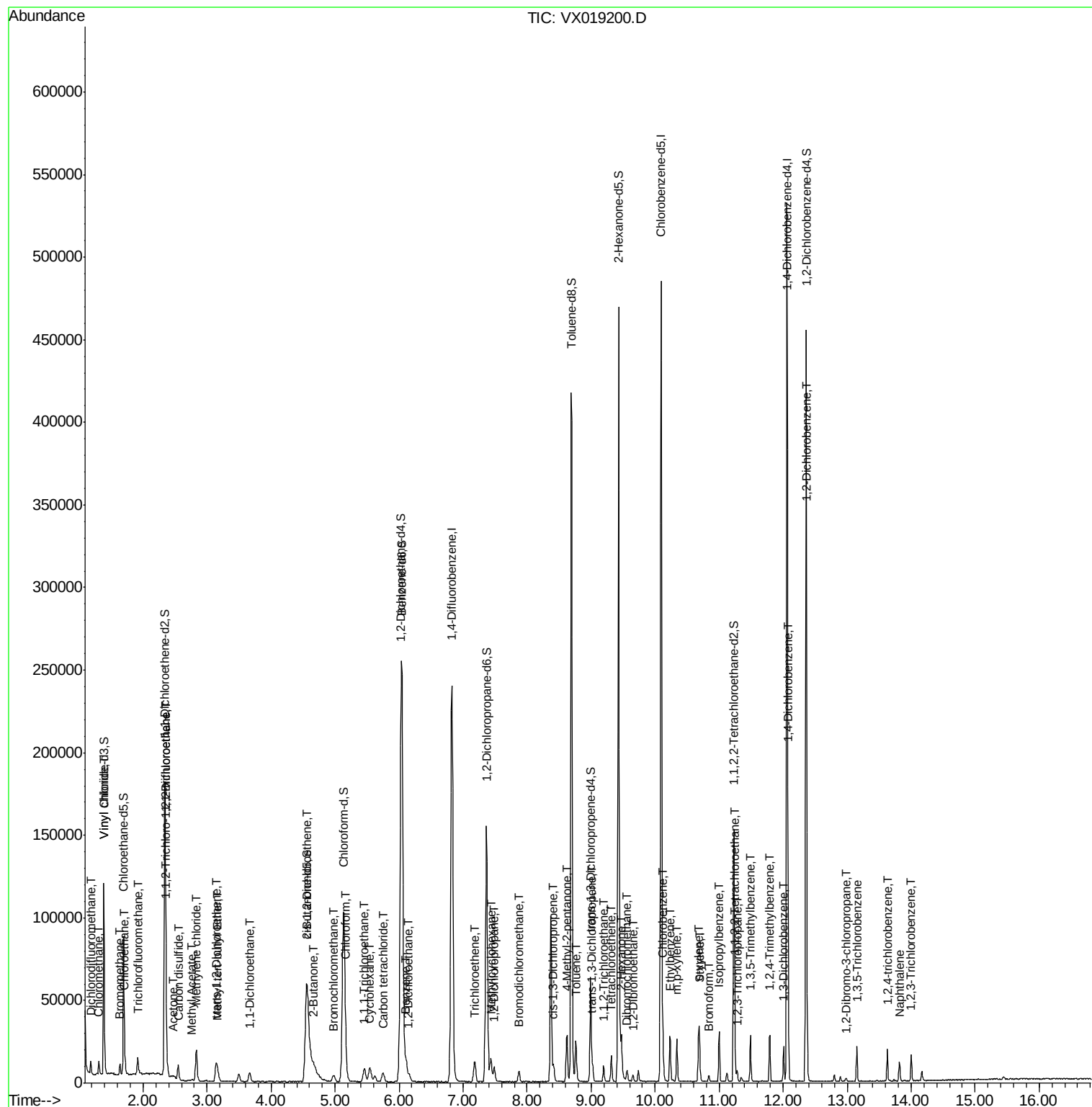
23) Bromochloromethane	4.97	128	1700	0.230	ug/L	93
25) Chloroform	5.17	83	7196	0.243	ug/L	87
27) 1,2-Dichloroethane	6.15	62	4223	0.228	ug/L #	92
29) 1,1,1-Trichloroethane	5.45	97	5711	0.206	ug/L	97
30) Cyclohexane	5.54	56	5531	0.200	ug/L	98
31) Carbon tetrachloride	5.75	117	4711	0.199	ug/L	97
33) Benzene	6.11	78	14242	0.213	ug/L	100
34) Trichloroethene	7.18	95	3868	0.211	ug/L	94
35) Methylcyclohexane	7.44	83	6040	0.204	ug/L	99
37) 1,2-Dichloropropane	7.48	63	3454	0.219	ug/L #	90
38) Bromodichloromethane	7.87	83	4217	0.205	ug/L	96
39) cis-1,3-Dichloropropene	8.41	75	5051	0.208	ug/L	91
40) 4-Methyl-2-pentanone	8.62	43	17268	2.048	ug/L #	87
42) Toluene	8.76	91	15311	0.212	ug/L	100
44) trans-1,3-Dichloropropene	9.02	75	5437	0.268	ug/L	99
45) 1,1,2-Trichloroethane	9.20	97	2402	0.208	ug/L	96
47) Tetrachloroethene	9.32	164	3135	0.224	ug/L	94
48) 2-Hexanone	9.47	43	13025	2.209	ug/L	99
49) Dibromochloromethane	9.56	129	2594	0.194	ug/L	91
50) 1,2-Dibromoethane	9.65	107	2254	0.211	ug/L #	96
51) Chlorobenzene	10.12	112	9509	0.208	ug/L	99
52) Ethylbenzene	10.23	91	15915	0.197	ug/L	92
53) m,p-xylene	10.34	106	5973	0.192	ug/L	93
54) o-xylene	10.68	106	5674	0.191	ug/L	94
55) Styrene	10.70	104	9109	0.187	ug/L	95
57) 1,1,2,2-Tetrachloroethane	11.25	83	2883	0.220	ug/L #	94
59) Bromoform	10.84	173	1306	0.192	ug/L	91
60) Isopropylbenzene	11.00	105	15013	0.198	ug/L	100
61) 1,2,3-Trichloropropane	11.28	75	2058	0.222	ug/L	96
62) 1,3,5-Trimethylbenzene	11.49	105	11770	0.185	ug/L	99
63) 1,2,4-Trimethylbenzene	11.79	105	12499	0.194	ug/L	100
64) 1,3-Dichlorobenzene	12.01	146	6966	0.206	ug/L	95
65) 1,4-Dichlorobenzene	12.08	146	7109	0.211	ug/L	96
67) 1,2-Dichlorobenzene	12.37	146	6628	0.214	ug/L #	91
68) 1,2-Dibromo-3-chloropropan	12.98	75	439	0.207	ug/L	90
69) 1,3,5-Trichlorobenzene	13.15	180	4745	0.192	ug/L	94
70) 1,2,4-trichlorobenzene	13.63	180	3997	0.185	ug/L	96
71) Naphthalene	13.82	128	6737	0.173	ug/L	100
72) 1,2,3-Trichlorobenzene	14.00	180	3632	0.190	ug/L	98

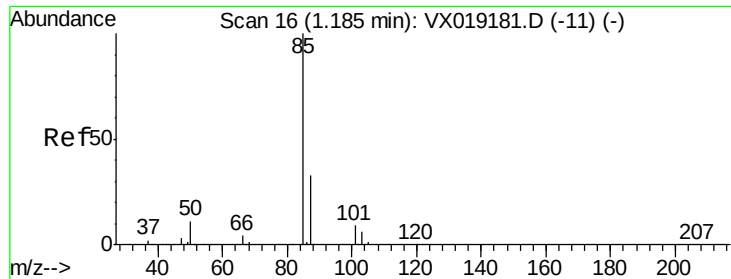
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.219 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019200.D

Acq: 30 Oct 2020 12:54

Instrument :

MSVOA_X

ClientSampleId :

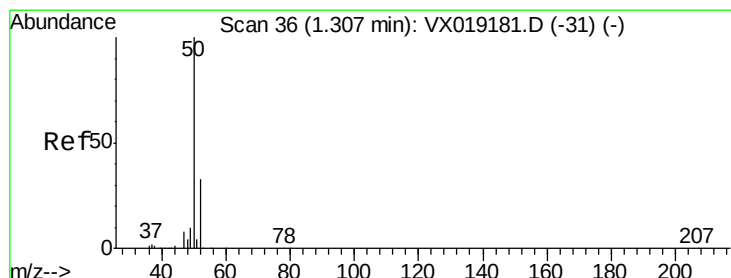
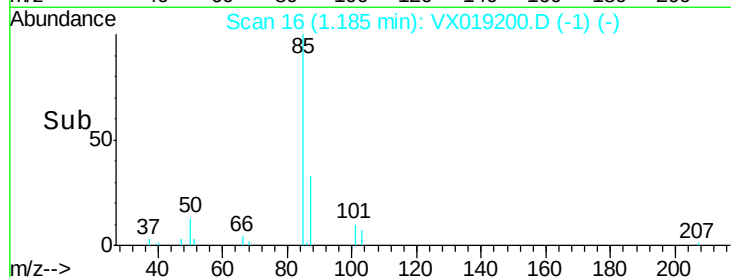
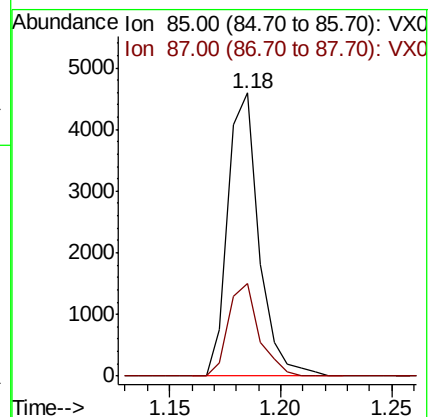
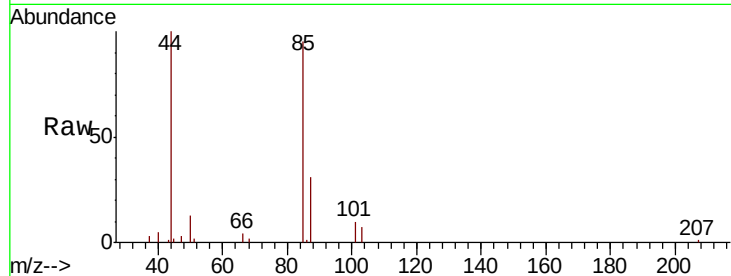
MDL-WATER-06

Tot Ion: 85 Resp: 4464

Ion Ratio Lower Upper

85 100

87 31.9 26.1 39.1



#3

Chloromethane

Concen: 0.241 ug/L

RT: 1.31 min Scan# 36

Delta R.T. 0.00 min

Lab File: VX019200.D

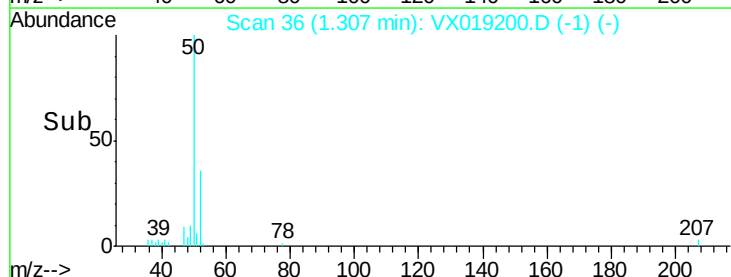
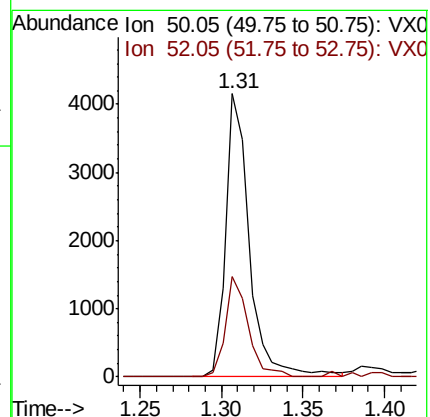
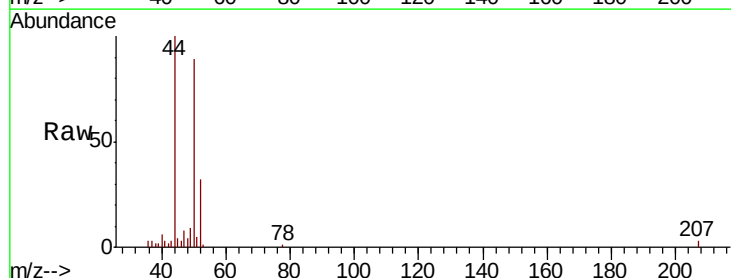
Acq: 30 Oct 2020 12:54

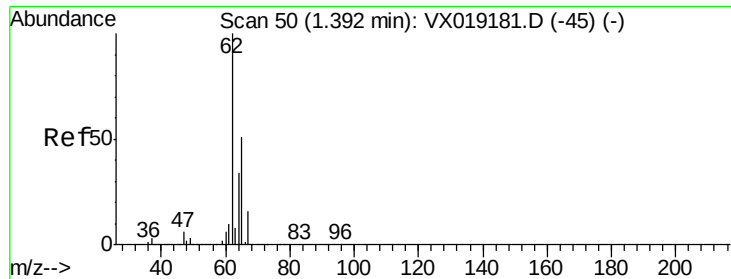
Tgt Ion: 50 Resp: 4236

Ion Ratio Lower Upper

50 100

52 35.5 23.4 43.6





#5

Vinyl chloride

Concen: 0.238 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019200.D

Acq: 30 Oct 2020 12:54

Instrument :

MSVOA_X

ClientSampleId :

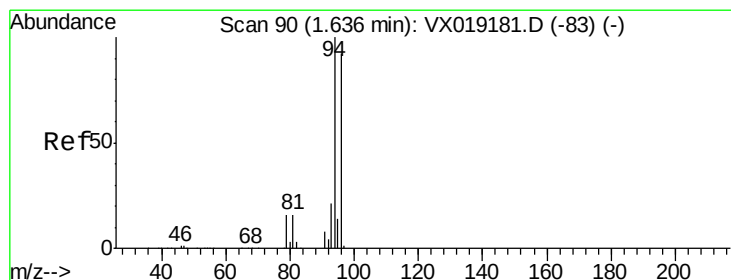
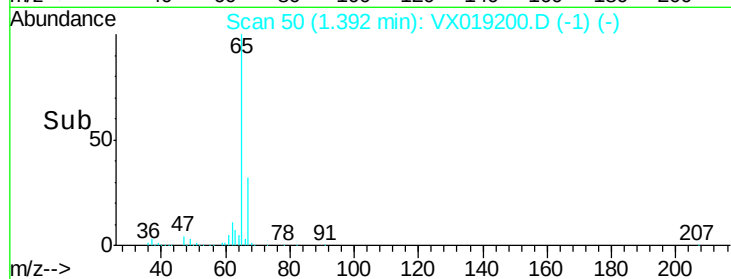
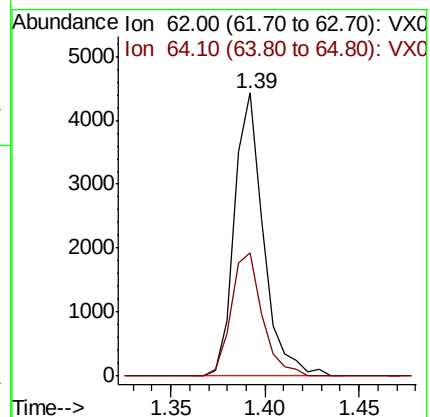
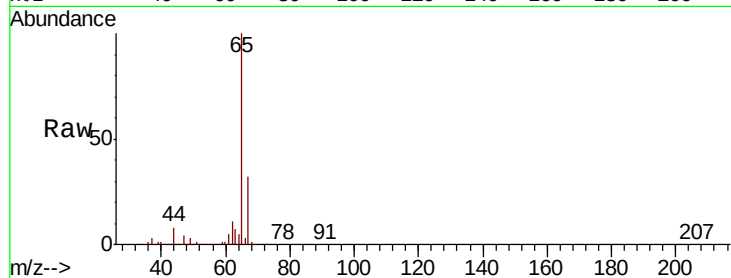
MDL-WATER-06

Tot Ion: 62 Resp: 4723

Ion Ratio Lower Upper

62 100

64 43.4 23.5 43.7



#6

Bromomethane

Concen: 0.240 ug/L

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019200.D

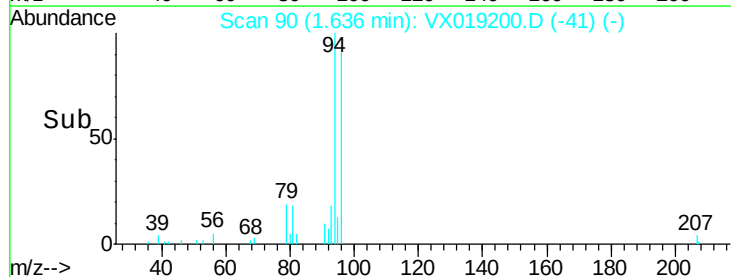
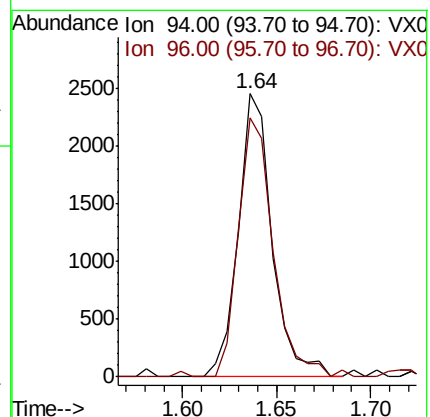
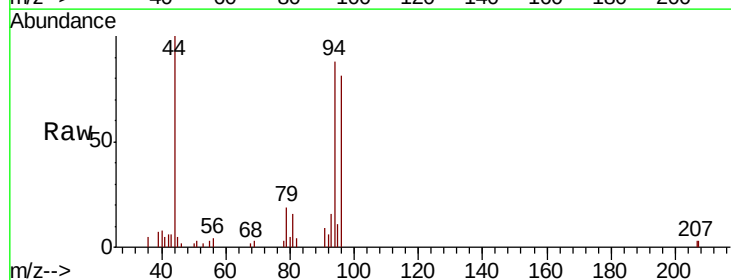
Acq: 30 Oct 2020 12:54

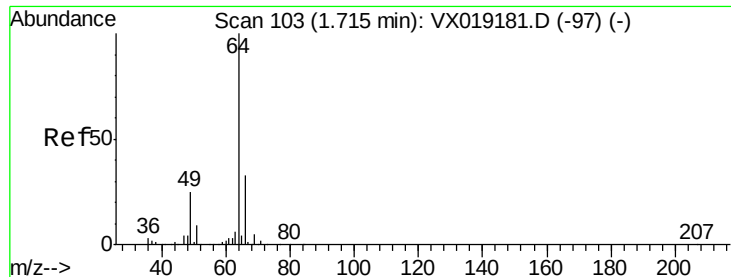
Tgt Ion: 94 Resp: 3062

Ion Ratio Lower Upper

94 100

96 91.4 67.9 126.1





#8

Chloroethane

Concen: 0.214 ug/L

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX019200.D

Acq: 30 Oct 2020 12:54

Instrument :

MSVOA_X

ClientSampleId :

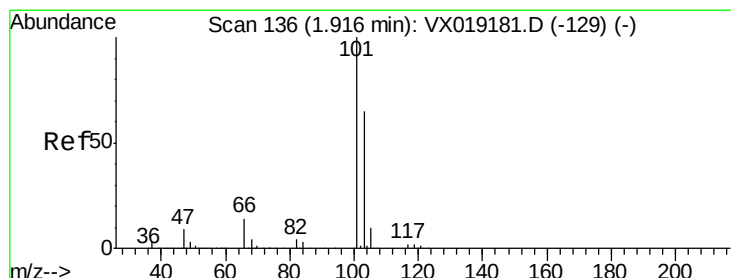
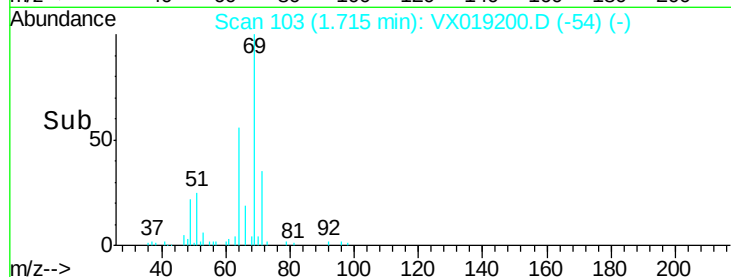
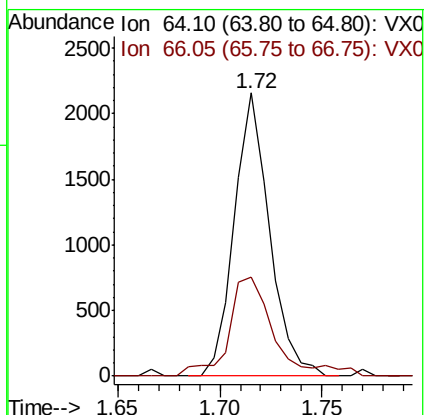
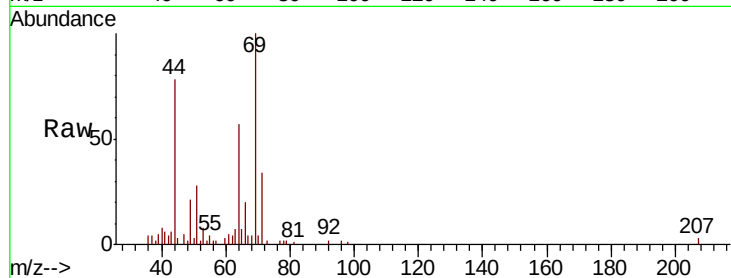
MDL-WATER-06

Tot Ion: 64 Resp: 2575

Ion Ratio Lower Upper

64 100

66 35.1 22.7 42.1



#9

Trichlorofluoromethane

Concen: 0.217 ug/L

RT: 1.92 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX019200.D

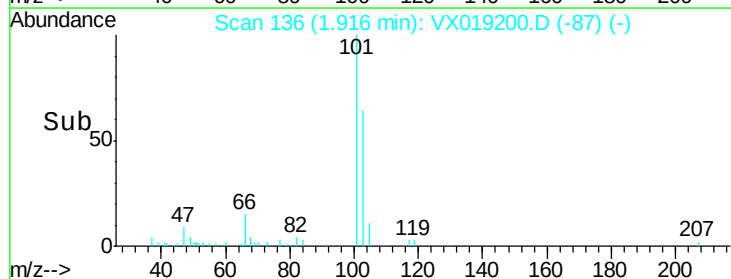
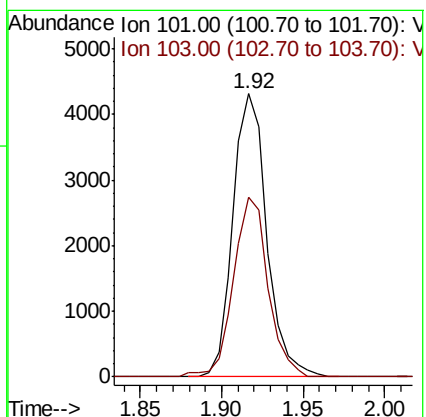
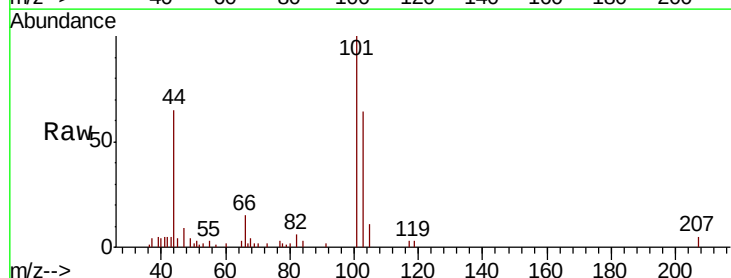
Acq: 30 Oct 2020 12:54

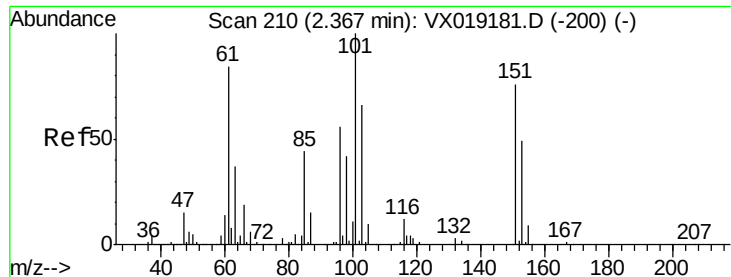
Tgt Ion: 101 Resp: 6223

Ion Ratio Lower Upper

101 100

103 64.9 51.9 77.9





#10

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

Concen: 0.264 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX019200.D

Acq: 30 Oct 2020 12:54

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-06

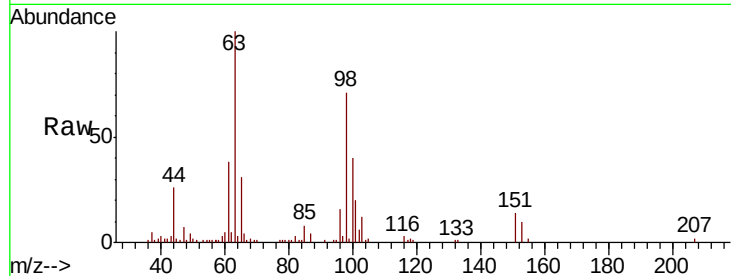
Tot Ion:101 Resp: 4290

Ion Ratio Lower Upper

101 100

85 39.2 35.3 52.9

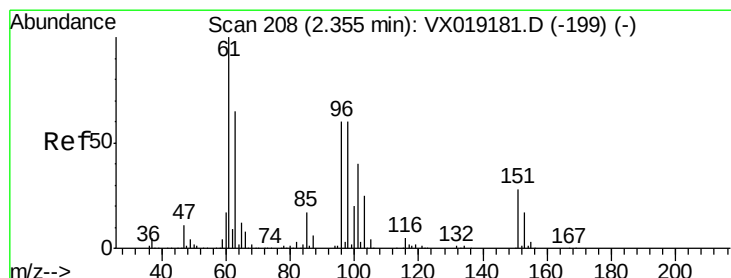
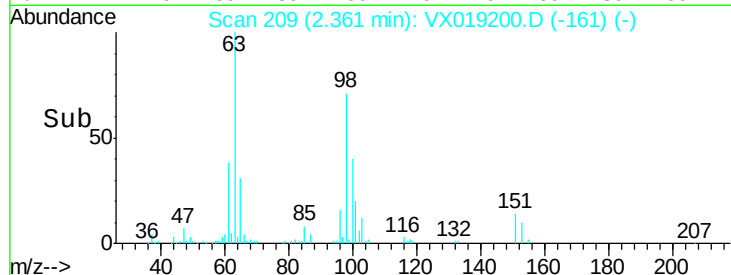
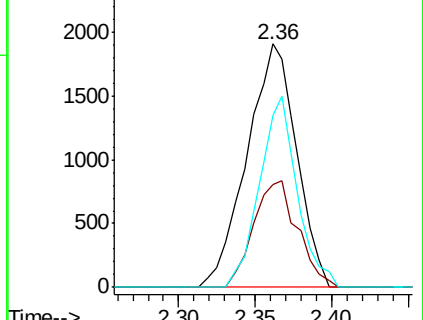
151 59.8 60.9 91.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.262 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX019200.D

Acq: 30 Oct 2020 12:54

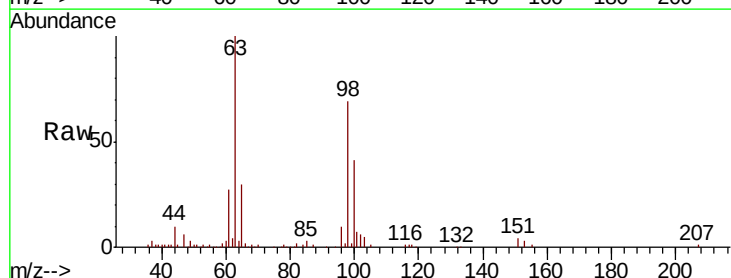
Tgt Ion: 96 Resp: 4155

Ion Ratio Lower Upper

96 100

61 286.3 109.5 203.3#

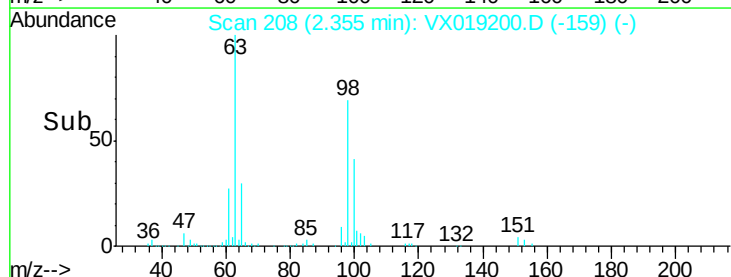
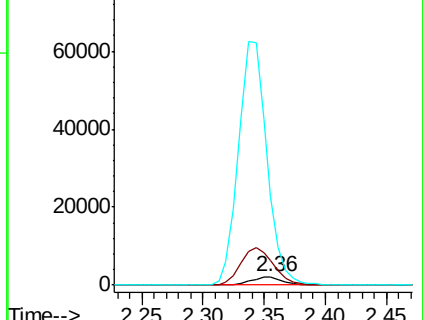
63 1046.9 68.3 126.9#

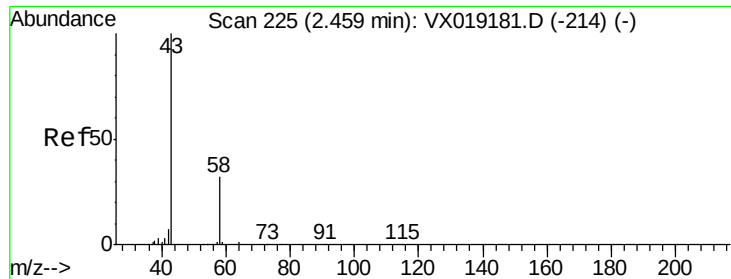


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 1.671 ug/L

RT: 2.47 min Scan# 226

Delta R.T. 0.01 min

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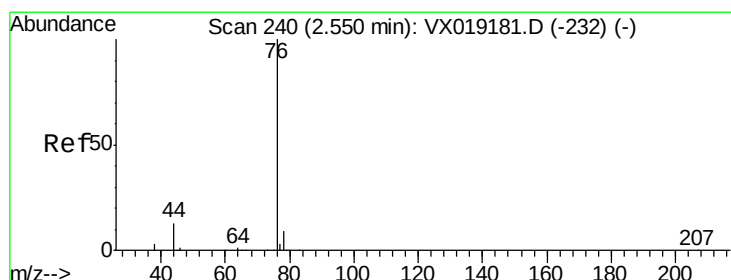
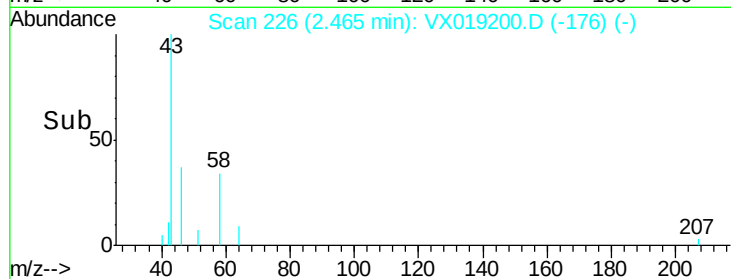
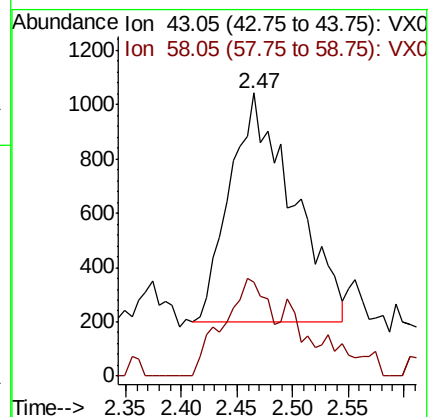
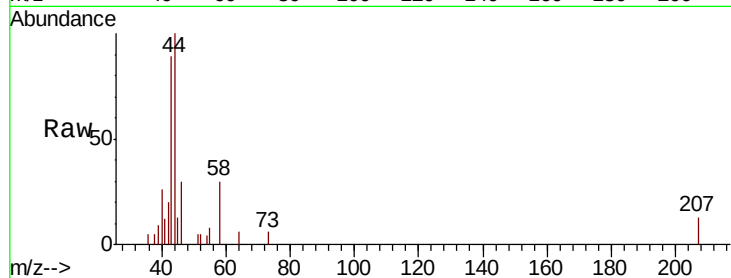
MDL-WATER-06

Tot Ion: 43 Resp: 3325

Ion Ratio Lower Upper

43 100

58 30.5 0.0 65.4



#14

Carbon disulfide

Concen: 0.216 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019200.D

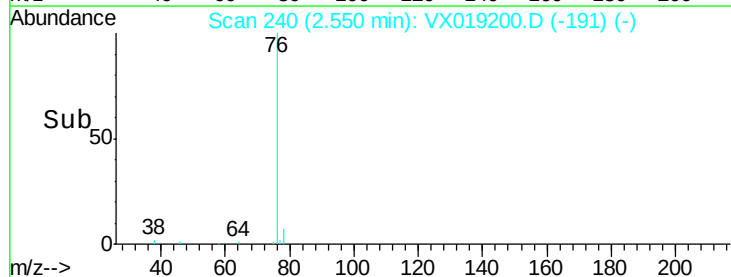
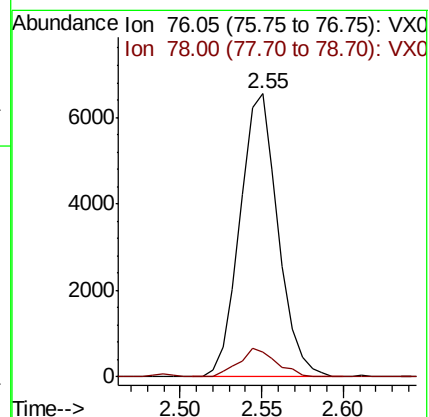
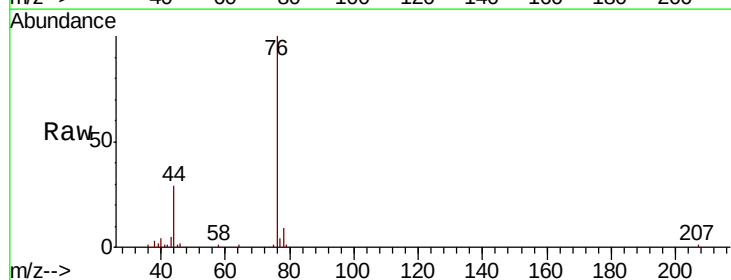
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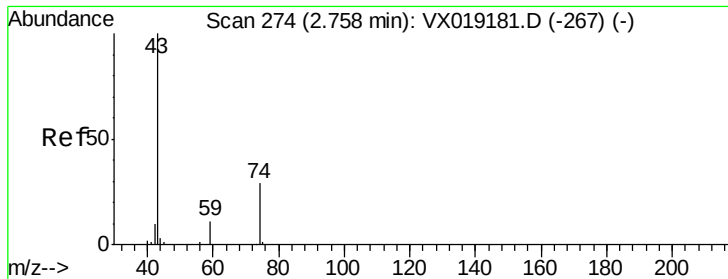
Tgt Ion: 76 Resp: 10624

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.0





#15

Methyl Acetate

Concen: 0.247 ug/L

RT: 2.76 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX019200.D

Acq: 30 Oct 2020 12:54

Instrument :

MSVOA_X

ClientSampleId :

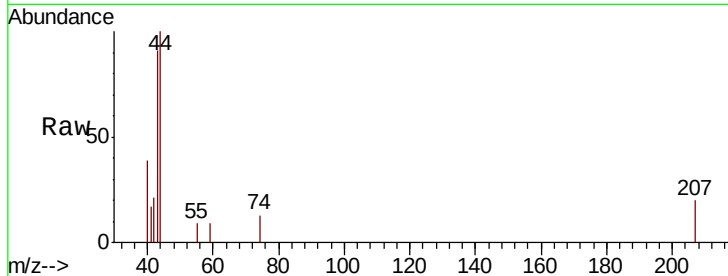
MDL-WATER-06

Tot Ion: 43 Resp: 1311

Ion Ratio Lower Upper

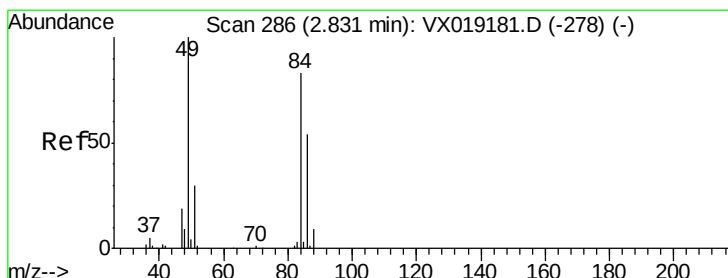
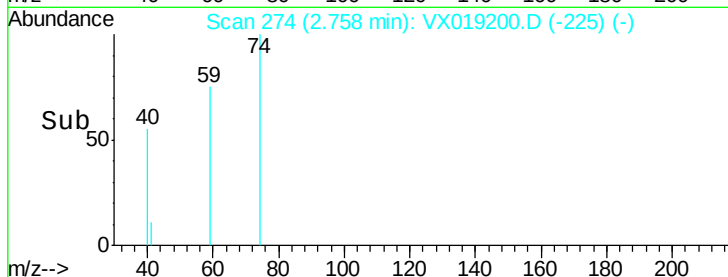
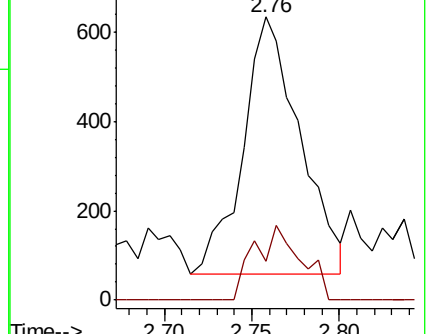
43 100

74 24.0 22.3 33.5



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0



#16

Methylene chloride

Concen: 0.457 ug/L

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX019200.D

Acq: 30 Oct 2020 12:54

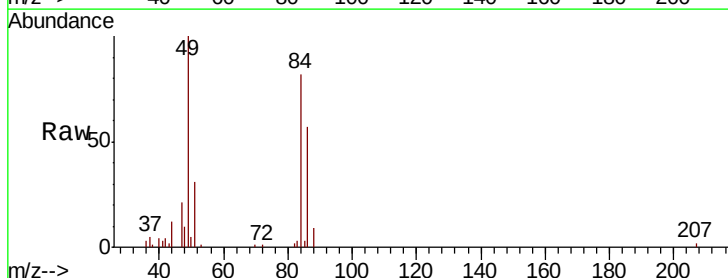
Tgt Ion: 84 Resp: 8623

Ion Ratio Lower Upper

84 100

86 69.2 42.2 78.4

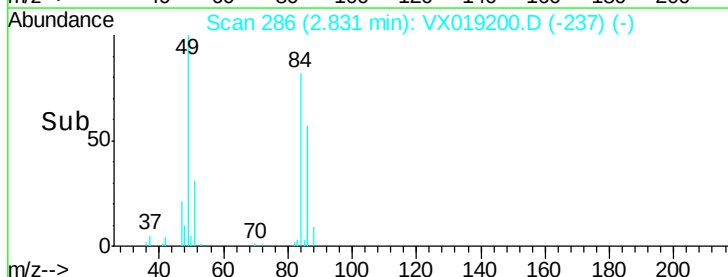
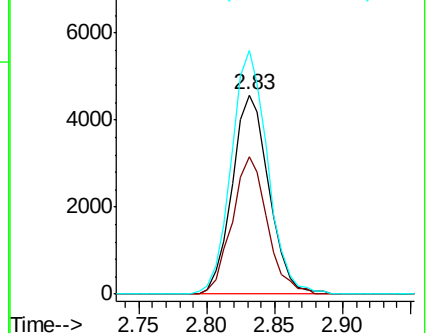
49 122.1 77.5 143.9

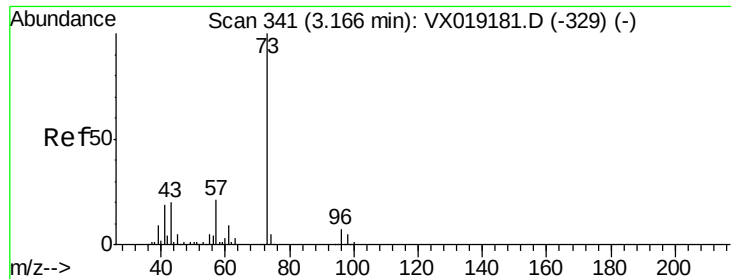


Abundance Ion 84.05 (83.75 to 84.75): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.10 (48.80 to 49.80): VX0

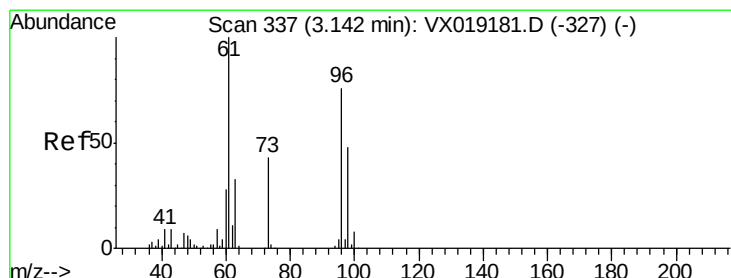
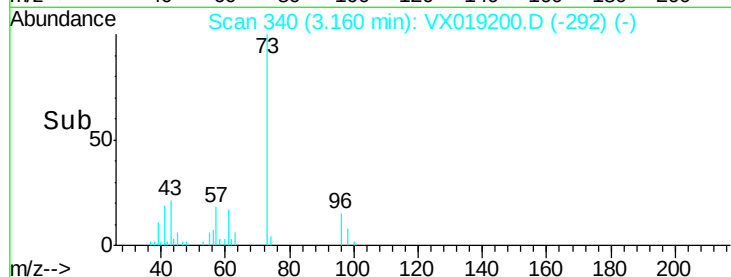
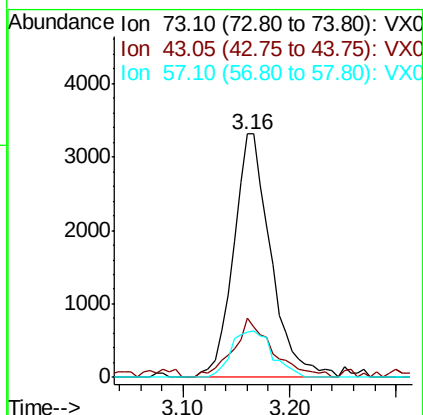
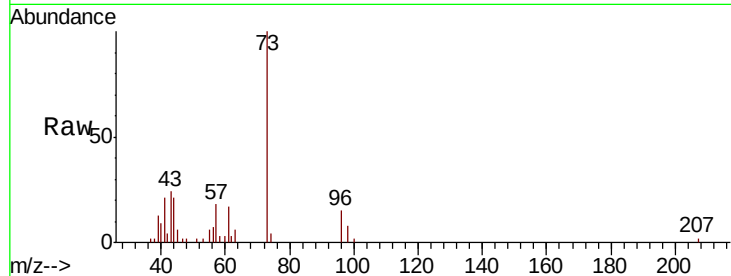




#17
Methyl tert-butyl Ether
Concen: 0.215 ug/L
RT: 3.16 min Scan# 340
Delta R.T. -0.01 min
Lab File: VX019200.D
Acq: 30 Oct 2020 12:54

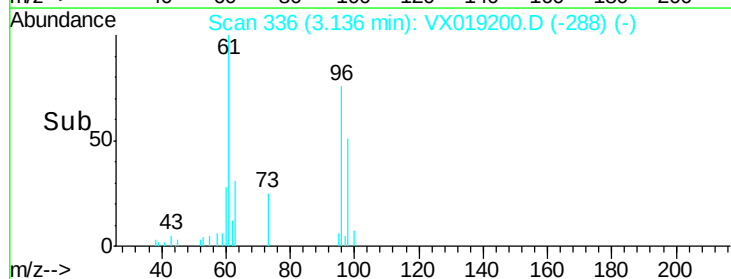
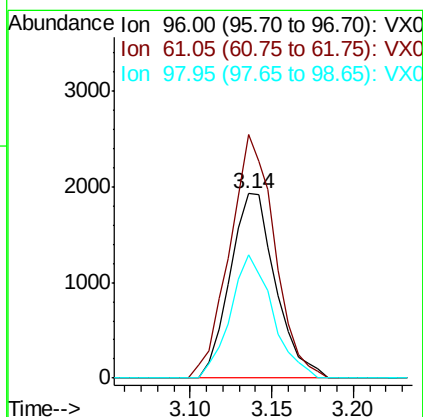
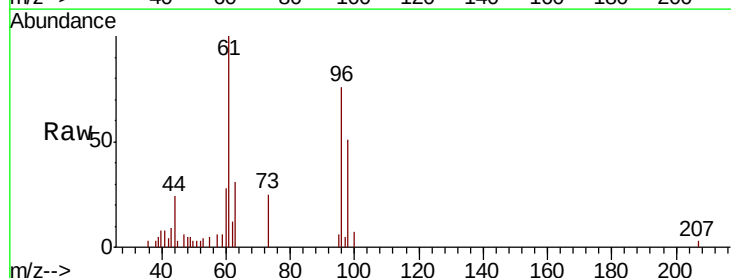
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-06

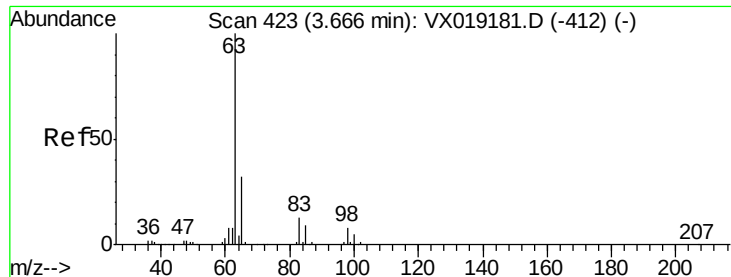
Tot Ion: 73 Resp: 8132
Ion Ratio Lower Upper
73 100
43 25.7 16.1 24.1#
57 21.2 16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 0.226 ug/L
RT: 3.14 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX019200.D
Acq: 30 Oct 2020 12:54

Tgt Ion: 96 Resp: 3761
Ion Ratio Lower Upper
96 100
61 131.8 93.7 173.9
98 66.8 42.8 79.6

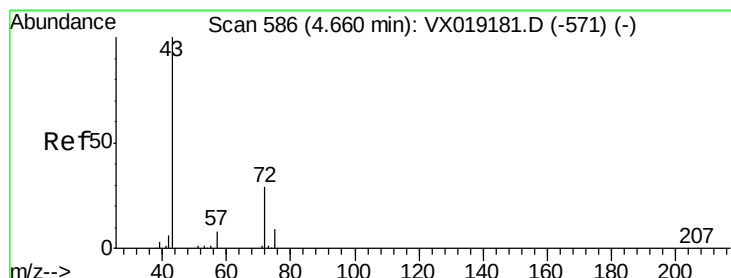
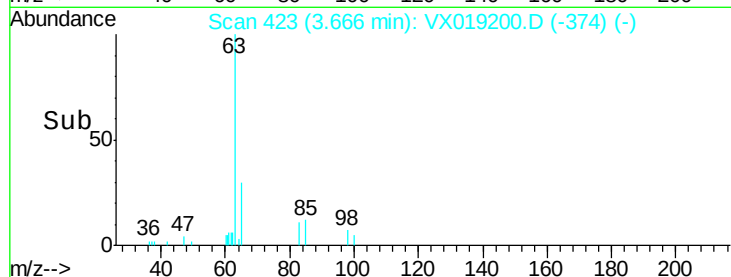
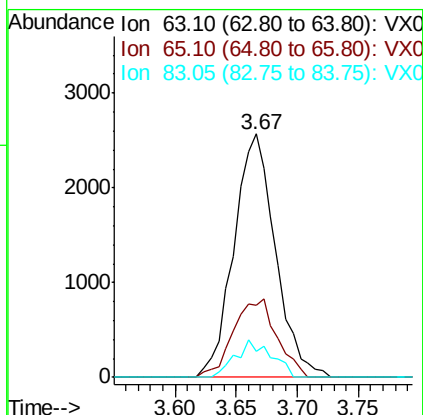
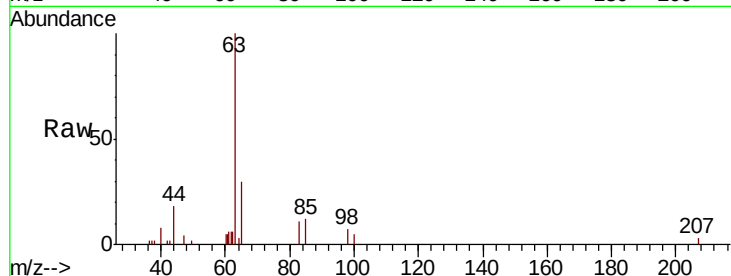




#19
 1,1-Dichloroethane
 Concen: 0.212 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: VX019200.D
 Acq: 30 Oct 2020 12:54

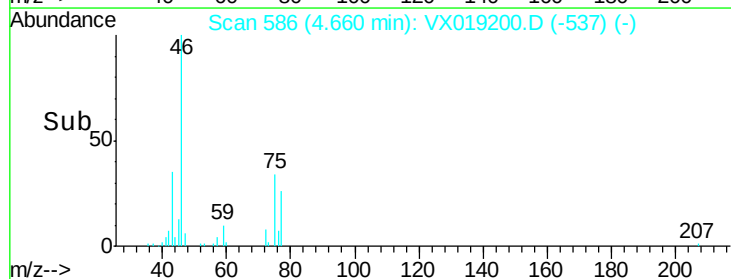
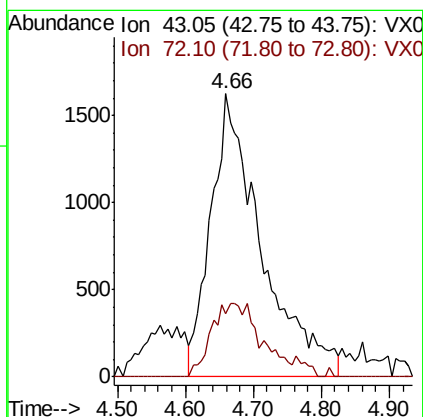
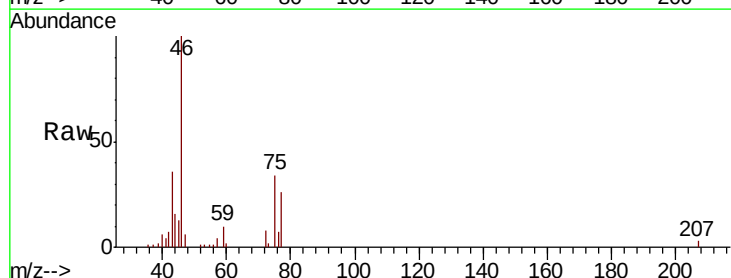
Instrument :
 MSVOA_X
 ClientSampled :
 MDL-WATER-06

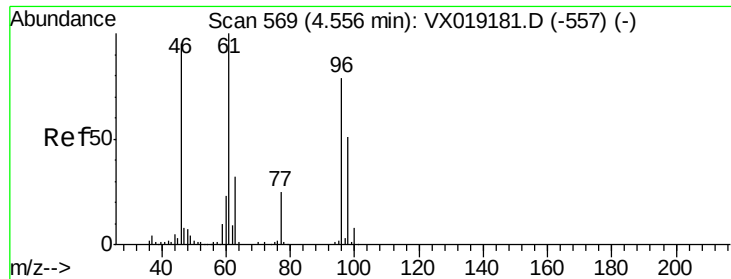
Tot Ion: 63 Resp: 6048
 Ion Ratio Lower Upper
 63 100
 65 29.7 22.5 41.9
 83 10.9 9.7 17.9



#21
 2-Butanone
 Concen: 2.406 ug/L
 RT: 4.66 min Scan# 586
 Delta R.T. 0.00 min
 Lab File: VX019200.D
 Acq: 30 Oct 2020 12:54

Tgt Ion: 43 Resp: 8409
 Ion Ratio Lower Upper
 43 100
 72 25.5 14.4 43.4



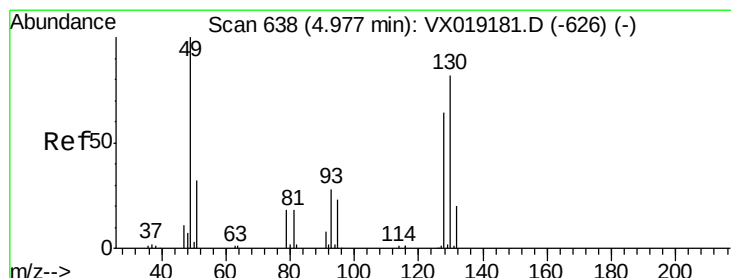
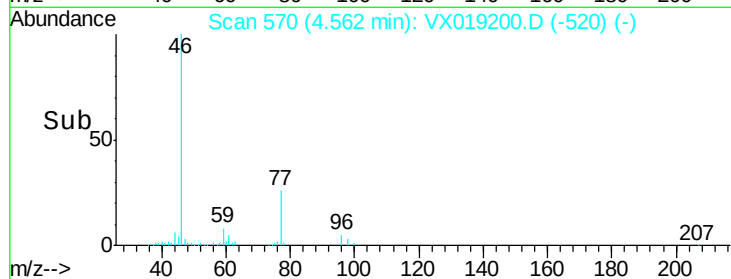
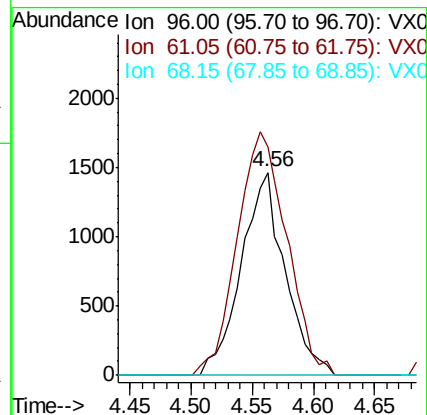
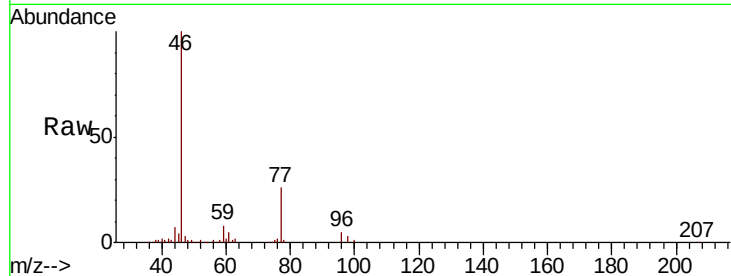


#22

cis-1,2-Dichloroethene
 Concen: 0.206 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VX019200.D
 Acq: 30 Oct 2020 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-06

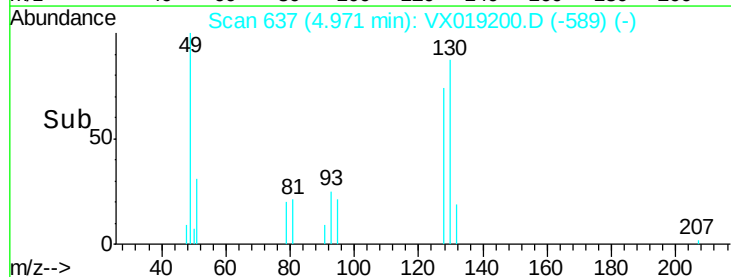
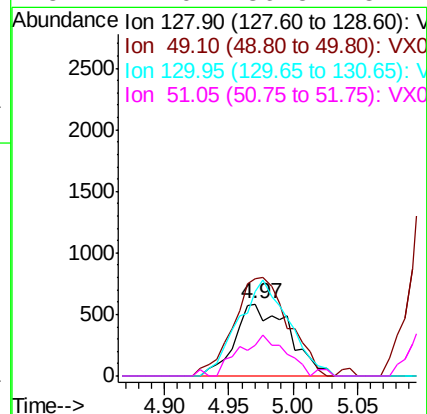
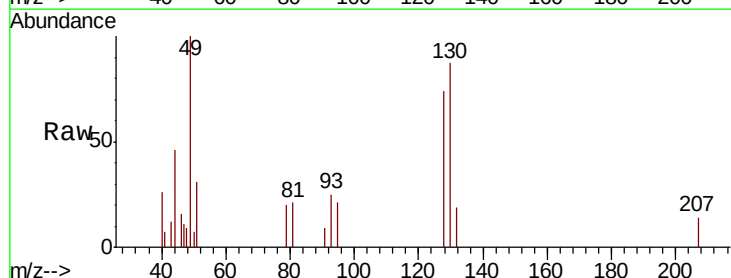
Tot Ion: 96 Resp: 3649
 Ion Ratio Lower Upper
 96 100
 61 112.6 85.7 159.1
 68 0.0 0.0 0.0

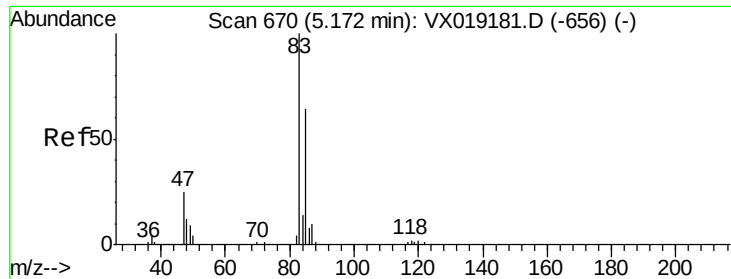


#23

Bromochloromethane
 Concen: 0.230 ug/L
 RT: 4.97 min Scan# 637
 Delta R.T. -0.01 min
 Lab File: VX019200.D
 Acq: 30 Oct 2020 12:54

Tgt Ion:128 Resp: 1700
 Ion Ratio Lower Upper
 128 100
 49 135.3 102.8 191.0
 130 117.9 86.3 160.3
 51 42.0 36.5 54.7

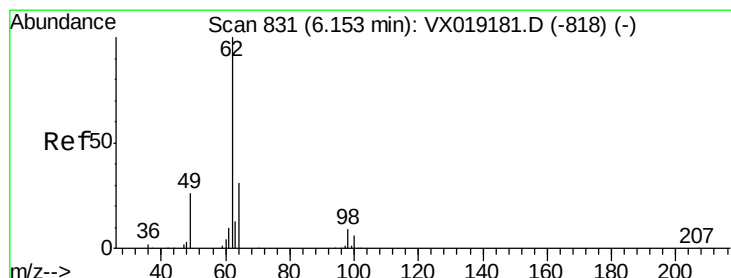
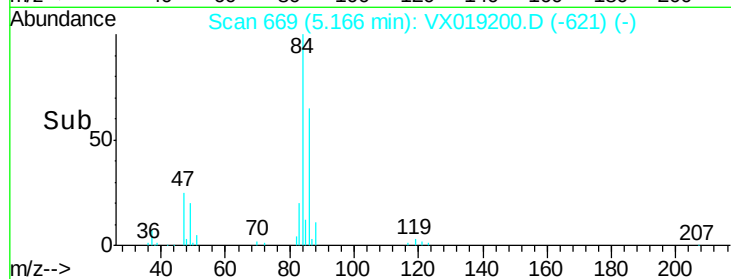
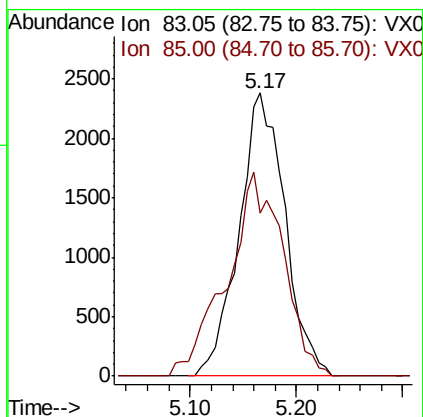
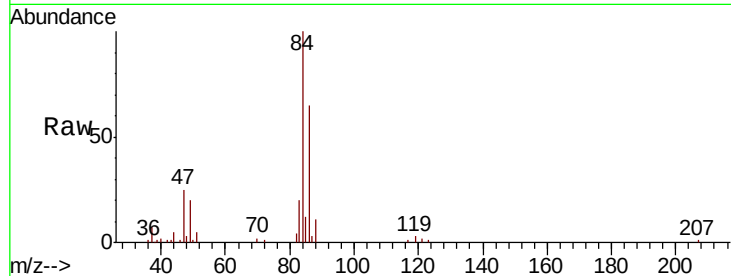




#25
Chloroform
Concen: 0.243 ug/L
RT: 5.17 min Scan# 669
Delta R.T. -0.01 min
Lab File: VX019200.D
Acq: 30 Oct 2020 12:54

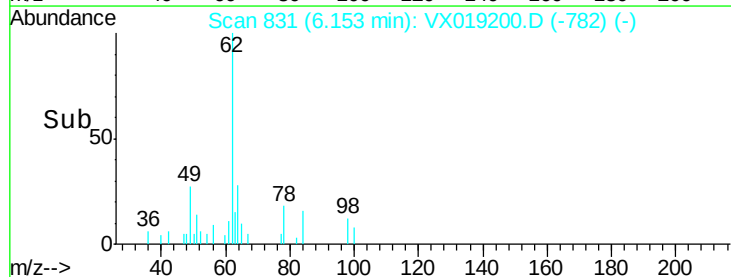
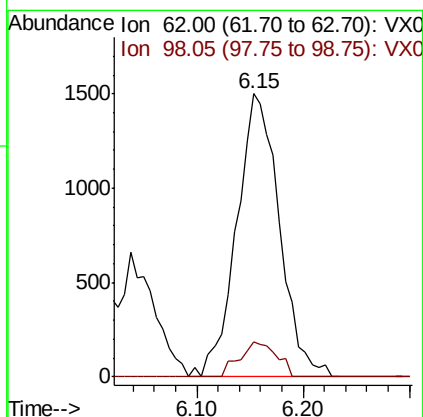
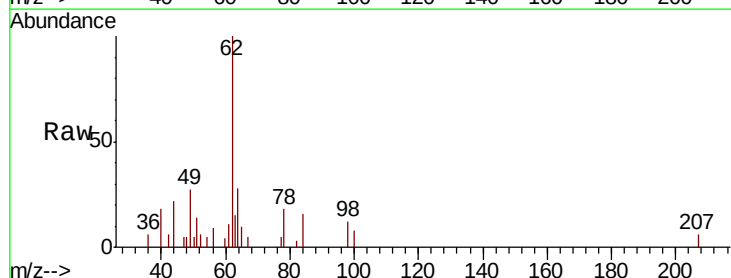
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-06

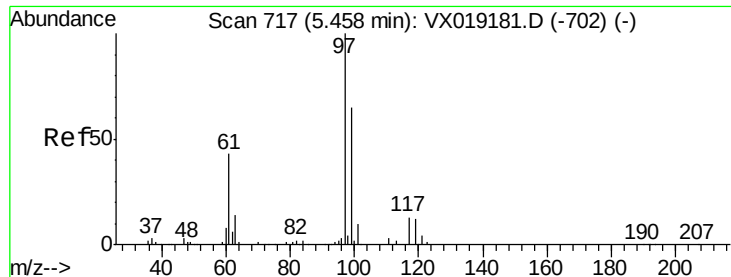
Tot Ion: 83 Resp: 7196
Ion Ratio Lower Upper
83 100
85 57.8 47.6 88.4



#27
1,2-Dichloroethane
Concen: 0.228 ug/L
RT: 6.15 min Scan# 831
Delta R.T. 0.00 min
Lab File: VX019200.D
Acq: 30 Oct 2020 12:54

Tgt Ion: 62 Resp: 4223
Ion Ratio Lower Upper
62 100
98 12.3 7.4 11.0#

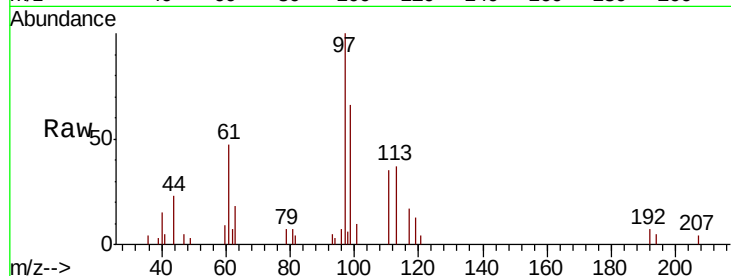




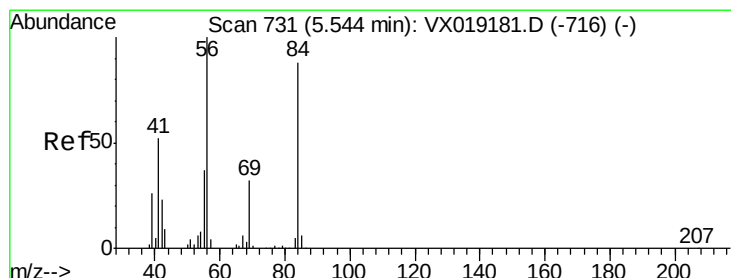
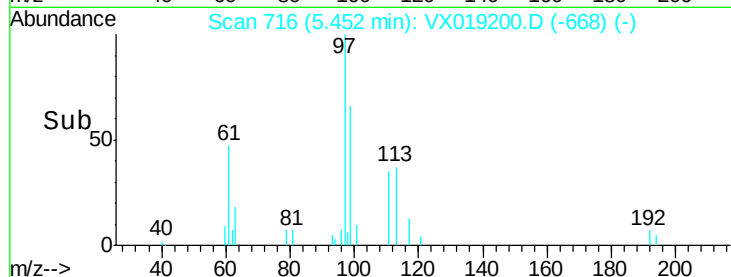
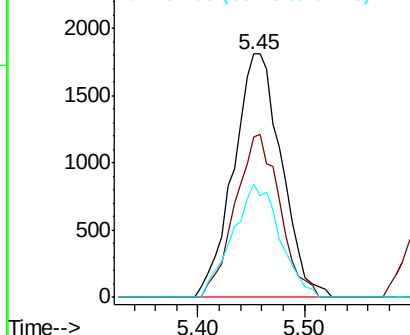
#29
1,1,1-Trichloroethane
Concen: 0.206 ug/L
RT: 5.45 min Scan# 716
Delta R.T. -0.01 min
Lab File: VX019200.D
Acq: 30 Oct 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-06

Tot Ion: 97 Resp: 5711
Ion Ratio Lower Upper
97 100
99 62.4 51.8 77.8
61 45.7 34.5 51.7

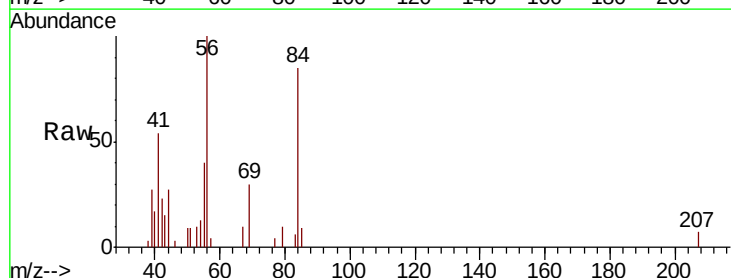


Abundance Ion 96.95 (96.65 to 97.65): VX0
Ion 99.05 (98.75 to 99.75): VX0
Ion 61.05 (60.75 to 61.75): VX0

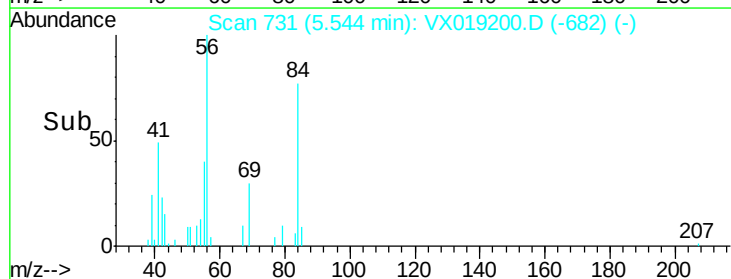
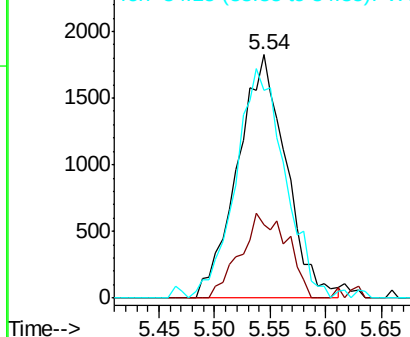


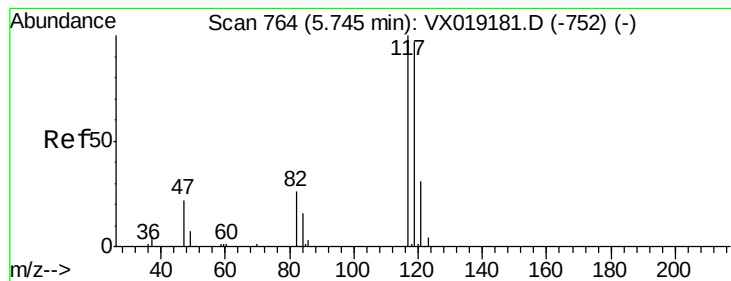
#30
Cyclohexane
Concen: 0.200 ug/L
RT: 5.54 min Scan# 731
Delta R.T. 0.00 min
Lab File: VX019200.D
Acq: 30 Oct 2020 12:54

Tgt Ion: 56 Resp: 5531
Ion Ratio Lower Upper
56 100
69 33.4 26.2 39.2
84 95.6 74.5 111.7



Abundance Ion 56.10 (55.80 to 56.80): VX0
Ion 69.15 (68.85 to 69.85): VX0
Ion 84.15 (83.85 to 84.85): VX0





#31

Carbon tetrachloride

Concen: 0.199 ug/L

RT: 5.75 min Scan# 765

Delta R.T. 0.01 min

Lab File: VX019200.D

Acq: 30 Oct 2020 12:54

Instrument :

MSVOA_X

ClientSampleId :

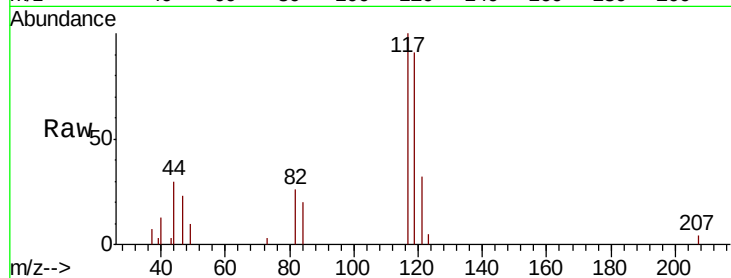
MDL-WATER-06

Tot Ion:117 Resp: 4711

Ion Ratio Lower Upper

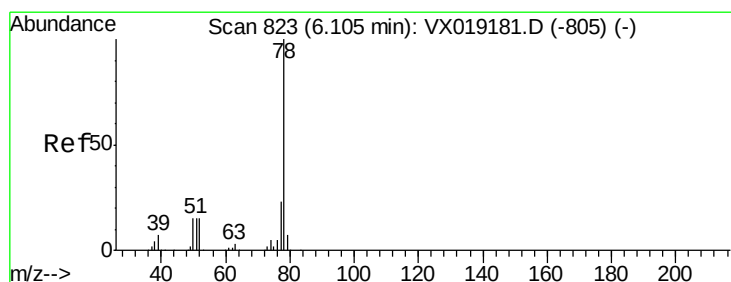
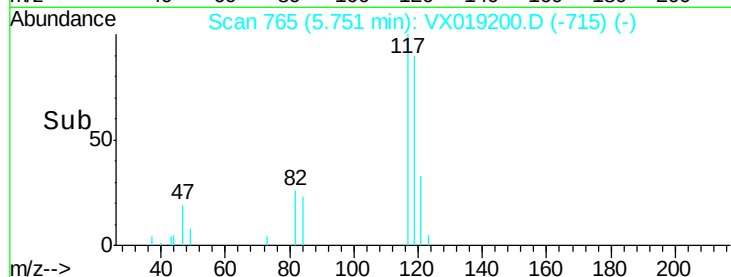
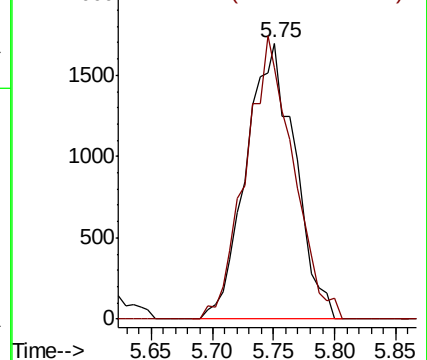
117 100

119 99.8 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.213 ug/L

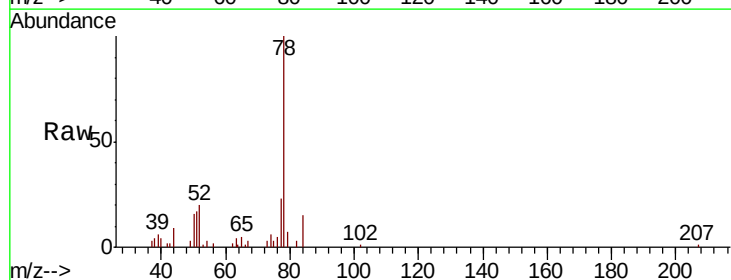
RT: 6.11 min Scan# 824

Delta R.T. 0.01 min

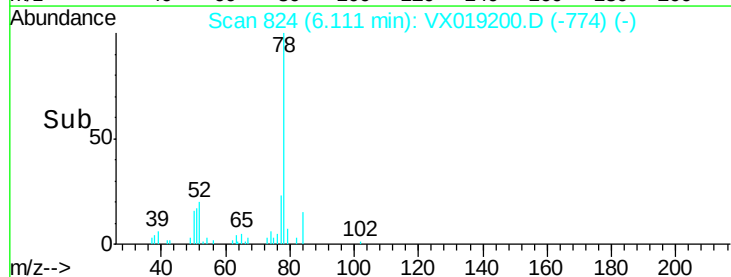
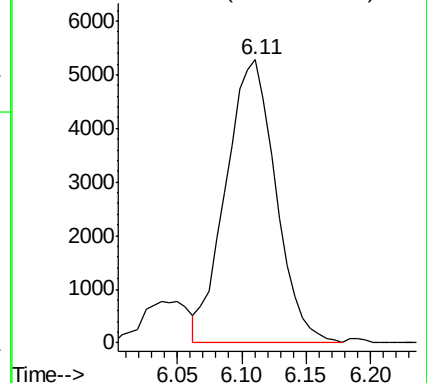
Lab File: VX019200.D

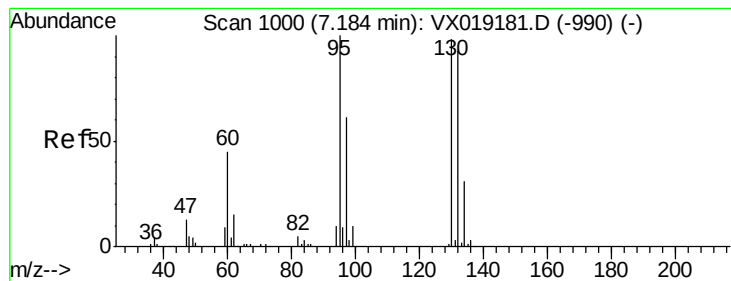
Acq: 30 Oct 2020 12:54

Tgt Ion: 78 Resp: 14242



Abundance Ion 78.10 (77.80 to 78.80): VX0





#34

Trichloroethene

Concen: 0.211 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VX019200.D

Acq: 30 Oct 2020 12:54

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-06

Tot Ion: 95 Resp: 3868

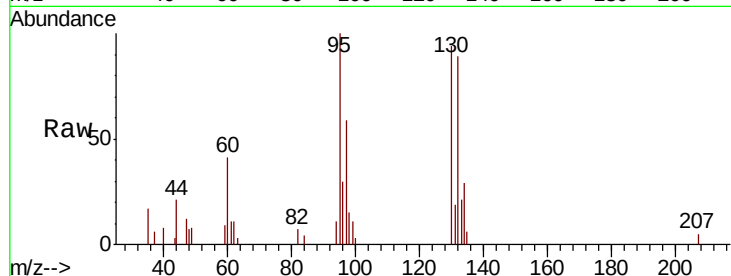
Ion Ratio Lower Upper

95 100

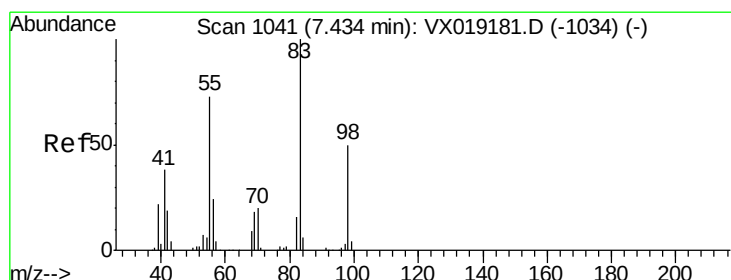
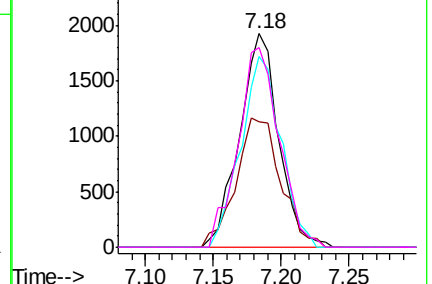
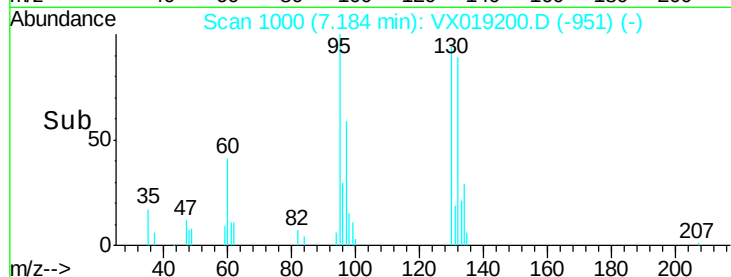
97 58.6 45.2 84.0

132 89.2 65.3 121.3

130 93.5 70.6 131.0



Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 96.95 (96.65 to 97.65): VX0
Ion 131.95 (131.65 to 132.65): V
Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.204 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VX019200.D

Acq: 30 Oct 2020 12:54

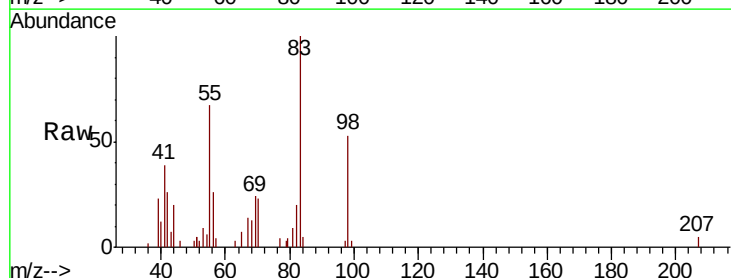
Tgt Ion: 83 Resp: 6040

Ion Ratio Lower Upper

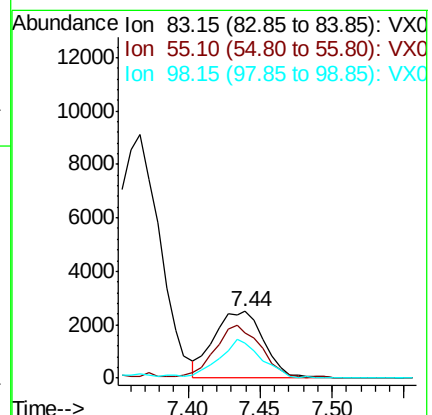
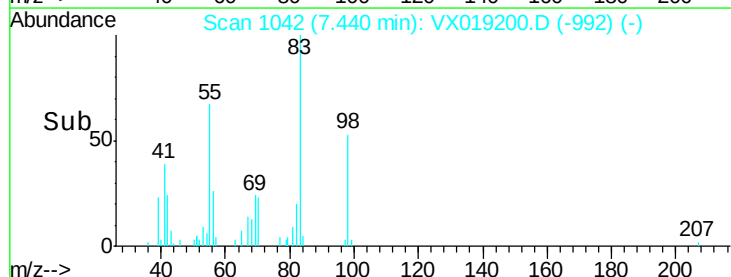
83 100

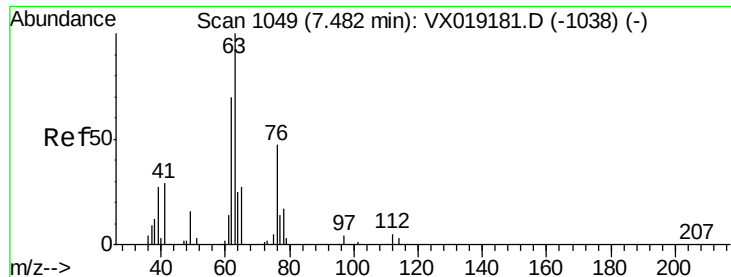
55 72.6 58.5 87.7

98 49.0 40.1 60.1



Abundance Ion 83.15 (82.85 to 83.85): VX0
Ion 55.10 (54.80 to 55.80): VX0
Ion 98.15 (97.85 to 98.85): VX0

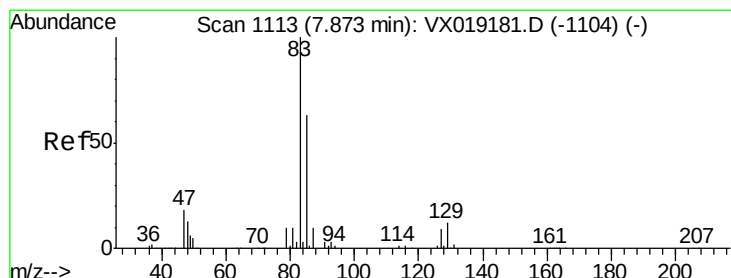
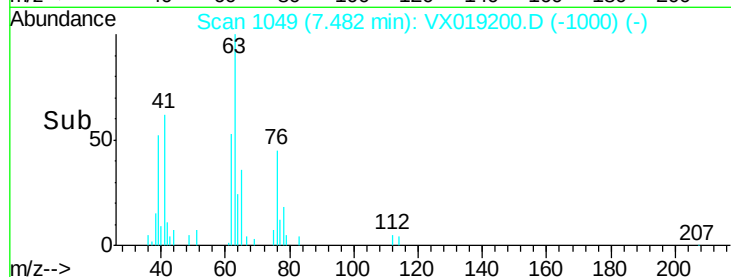
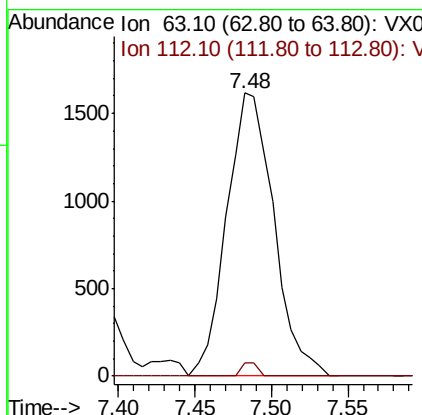
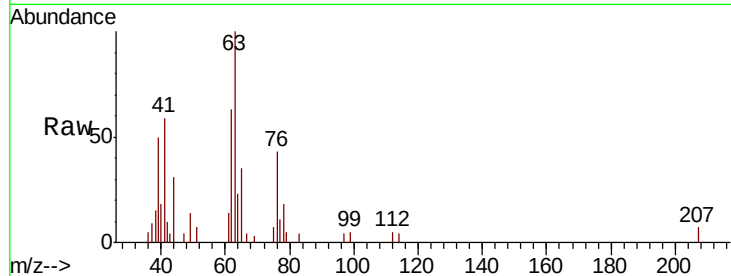




#37
 1,2-Dichloropropane
 Concen: 0.219 ug/L
 RT: 7.48 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VX019200.D
 Acq: 30 Oct 2020 12:54

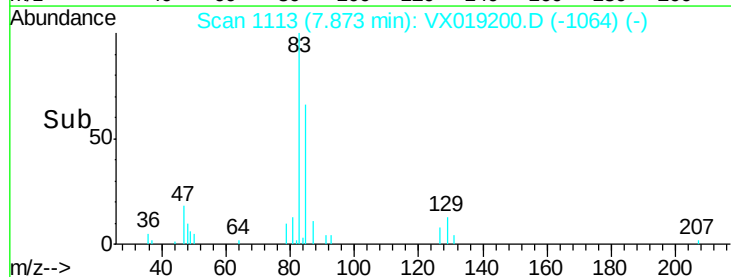
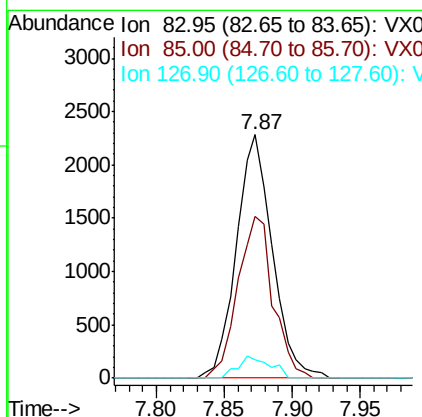
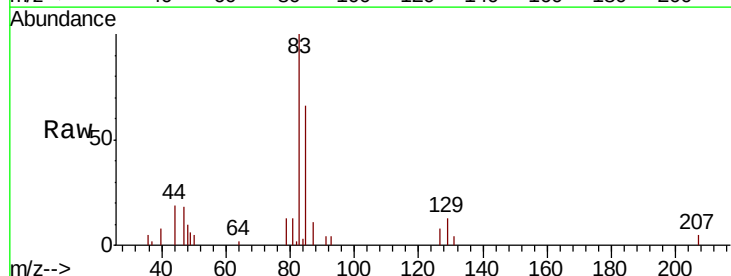
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-06

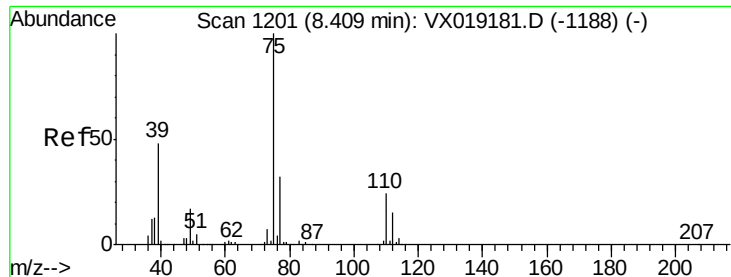
Tot Ion: 63 Resp: 3454
 Ion Ratio Lower Upper
 63 100
 112 1.5 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 0.205 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VX019200.D
 Acq: 30 Oct 2020 12:54

Tgt Ion: 83 Resp: 4217
 Ion Ratio Lower Upper
 83 100
 85 66.3 44.4 82.5
 127 7.7 7.2 10.8



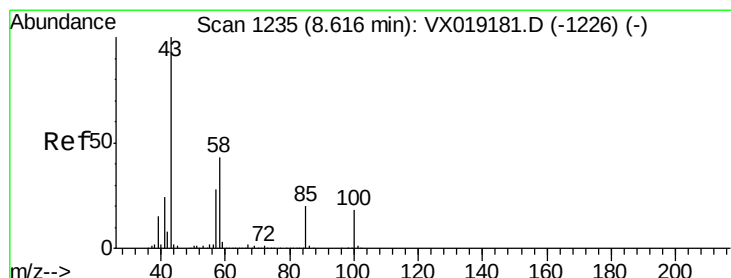
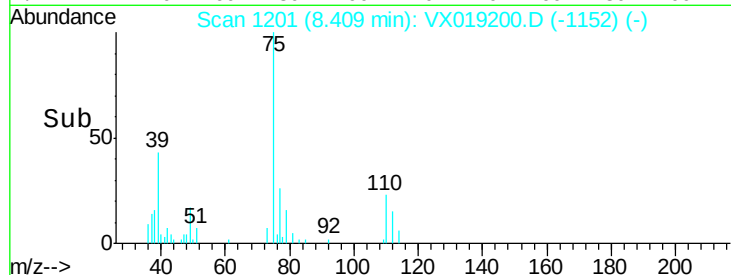
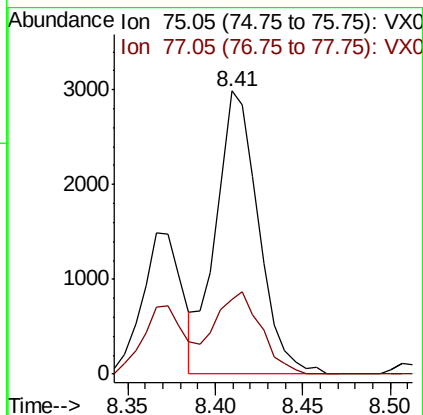
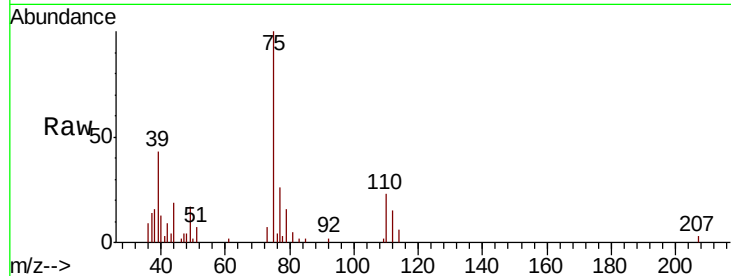


#39

cis-1,3-Dichloropropene
 Concen: 0.208 ug/L
 RT: 8.41 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VX019200.D
 Acq: 30 Oct 2020 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-06

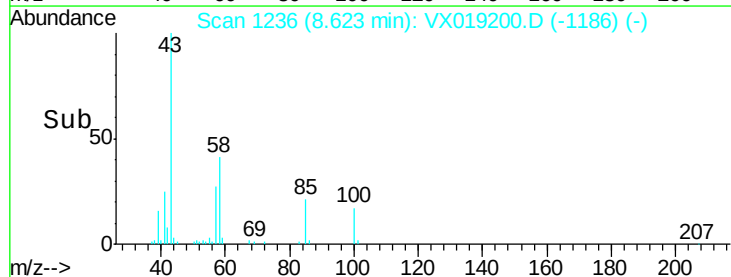
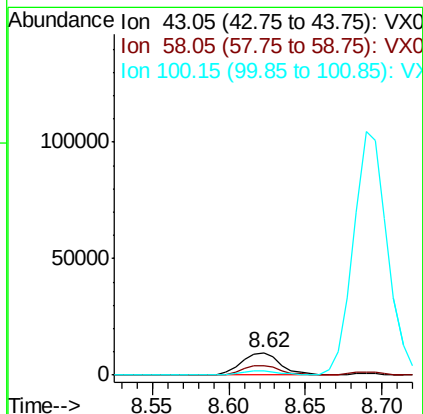
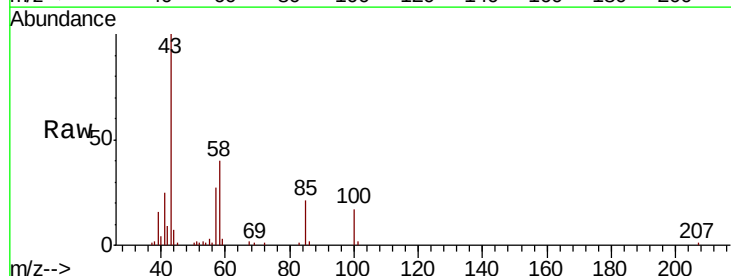
Tot Ion: 75 Resp: 5051
 Ion Ratio Lower Upper
 75 100
 77 26.4 21.8 40.6

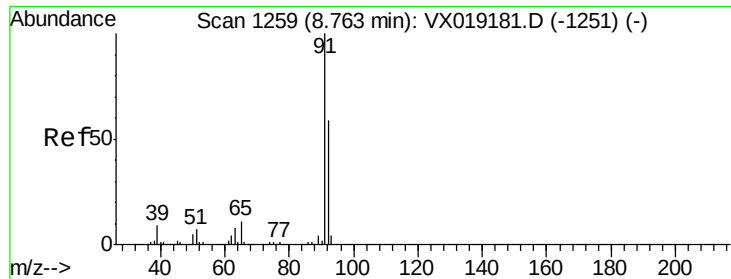


#40

4-Methyl-2-pentanone
 Concen: 2.048 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VX019200.D
 Acq: 30 Oct 2020 12:54

Tgt Ion: 43 Resp: 17268
 Ion Ratio Lower Upper
 43 100
 58 42.0 34.1 51.1
 100 0.0 15.0 22.4#





#42

Toluene

Concen: 0.212 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019200.D

Acq: 30 Oct 2020 12:54

Instrument :

MSVOA_X

ClientSampleId :

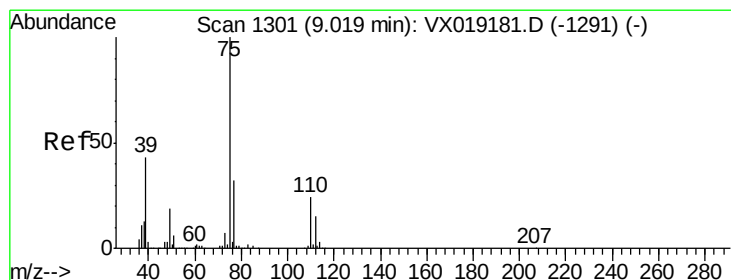
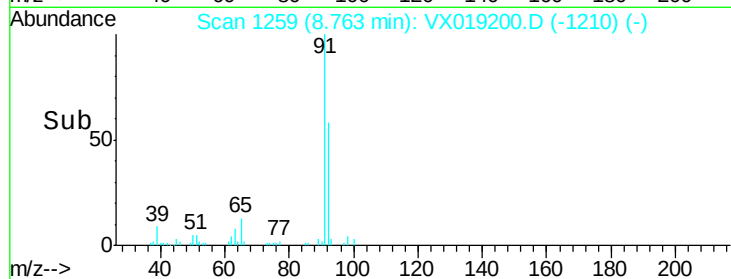
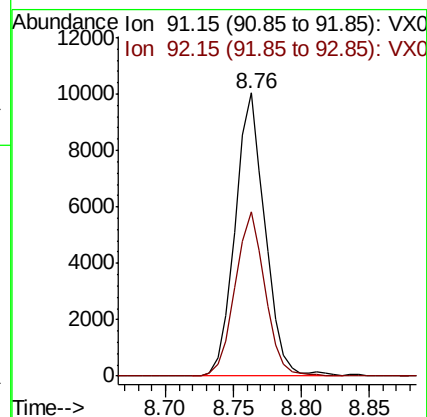
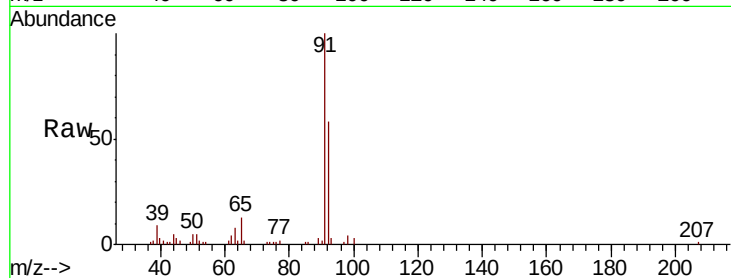
MDL-WATER-06

Tot Ion: 91 Resp: 15311

Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 0.268 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VX019200.D

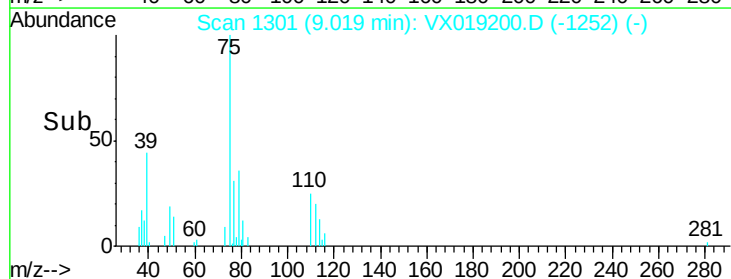
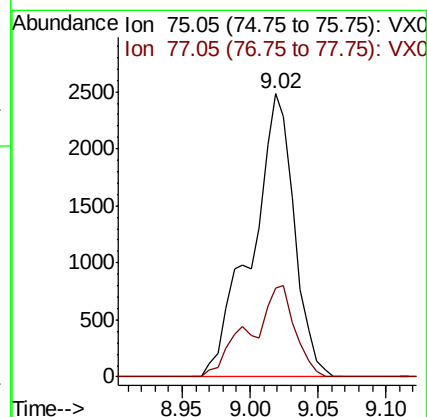
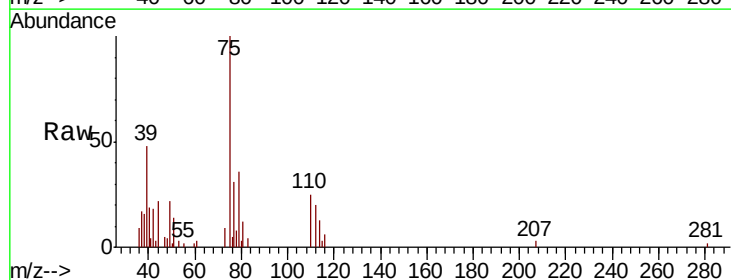
Acq: 30 Oct 2020 12:54

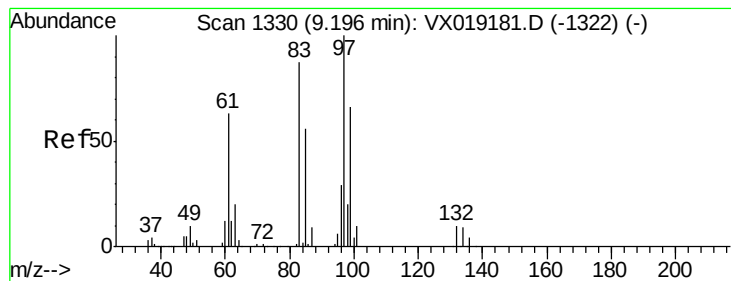
Tgt Ion: 75 Resp: 5437

Ion Ratio Lower Upper

75 100

77 31.3 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 0.208 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX019200.D

Acq: 30 Oct 2020 12:54

Instrument :

MSVOA_X

ClientSampled :

MDL-WATER-06

Tot Ion: 97 Resp: 2402

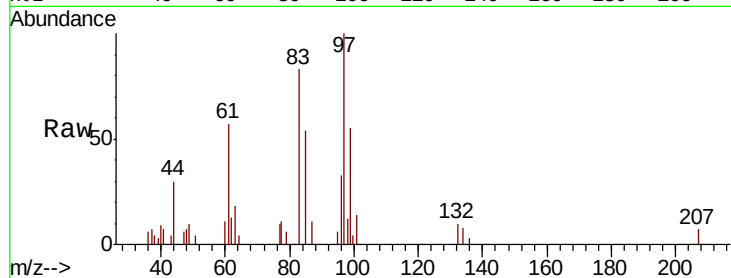
Ion Ratio Lower Upper

97 100

99 55.4 44.8 83.2

83 82.9 59.1 109.7

85 53.9 37.4 69.4



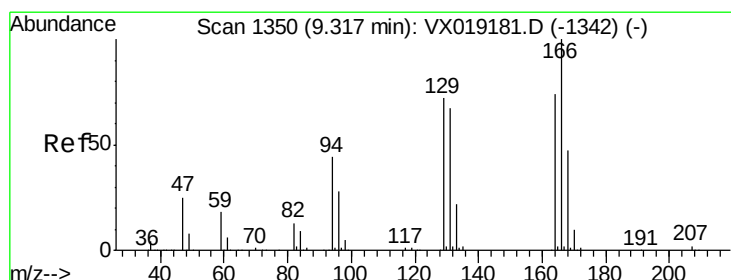
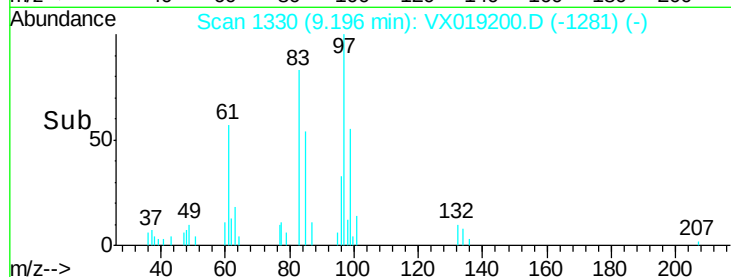
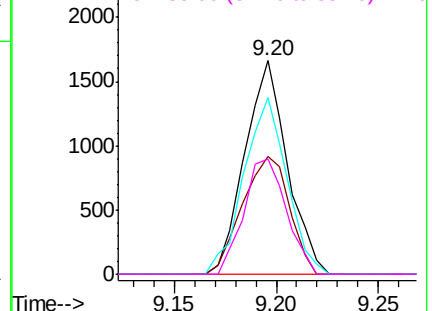
Abundance

Ion 96.95 (96.65 to 97.65): VX0

Ion 99.05 (98.75 to 99.75): VX0

Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0



#47

Tetrachloroethene

Concen: 0.224 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX019200.D

Acq: 30 Oct 2020 12:54

Tgt Ion: 164 Resp: 3135

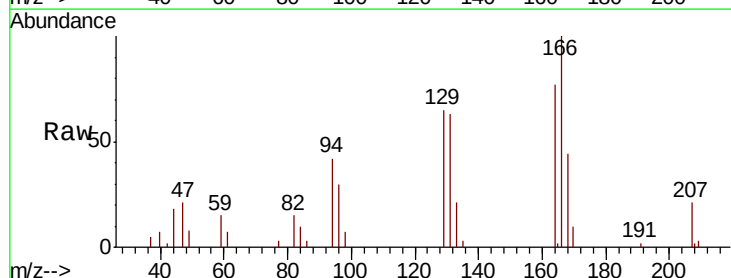
Ion Ratio Lower Upper

164 100

129 84.7 64.2 119.2

131 82.1 63.8 118.4

166 130.3 88.3 164.1



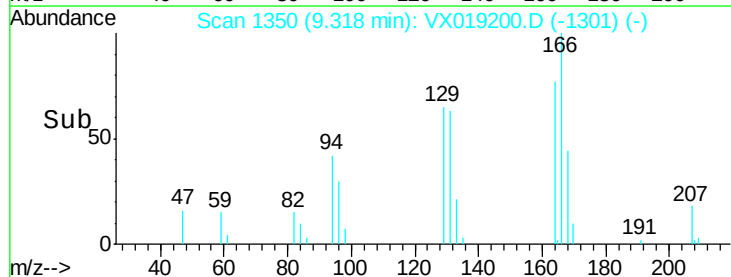
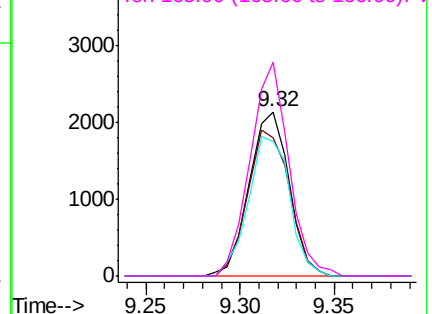
Abundance

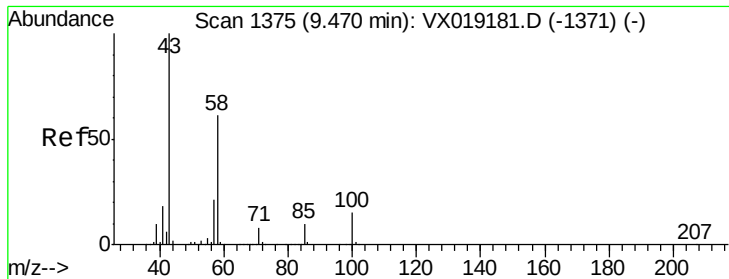
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

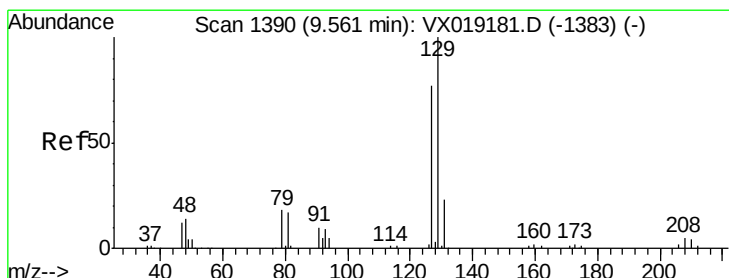
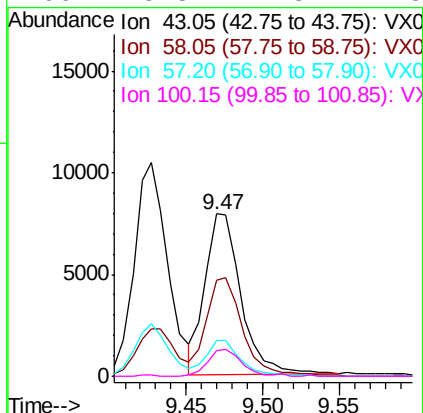
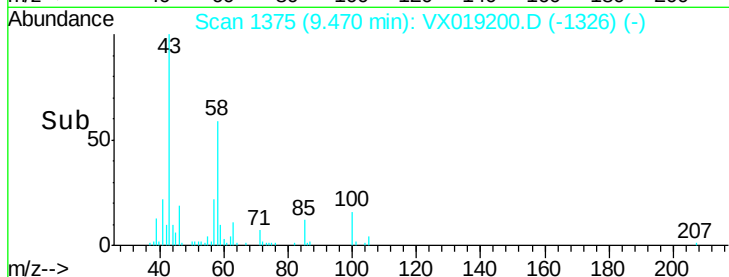
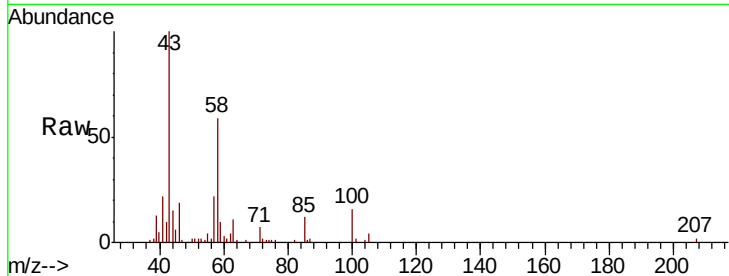




#48
2-Hexanone
Concen: 2.209 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX019200.D
Acq: 30 Oct 2020 12:54

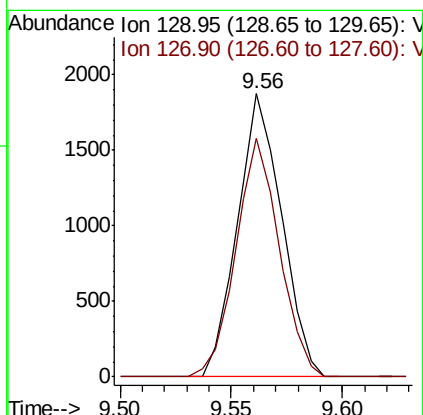
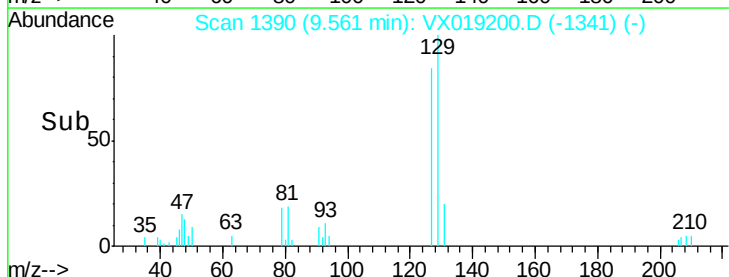
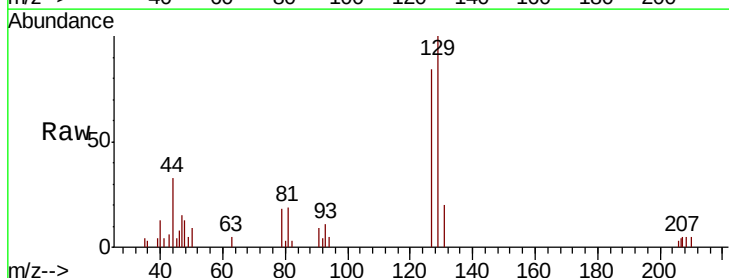
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-06

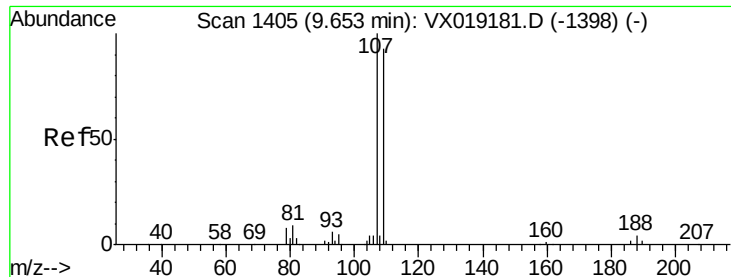
Tot Ion: 43 Resp: 13025
Ion Ratio Lower Upper
43 100
58 61.9 49.3 73.9
57 22.2 17.2 25.8
100 15.8 11.8 17.8



#49
Dibromochloromethane
Concen: 0.194 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VX019200.D
Acq: 30 Oct 2020 12:54

Tgt Ion: 129 Resp: 2594
Ion Ratio Lower Upper
129 100
127 84.5 53.6 99.6

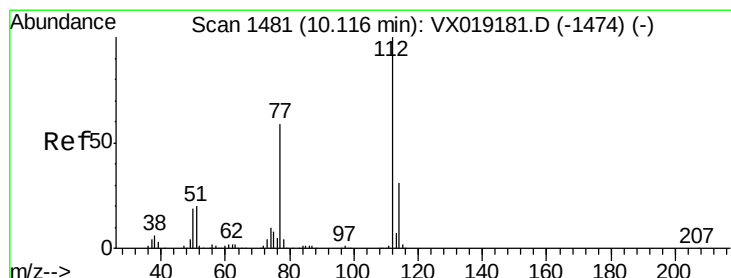
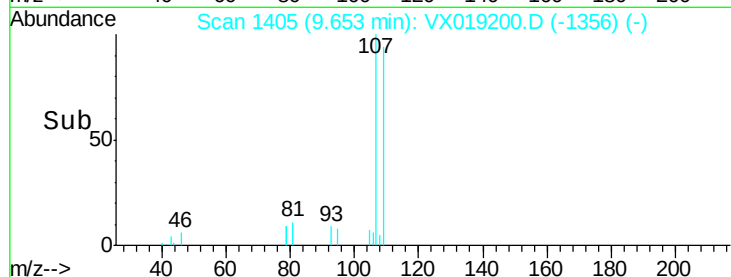
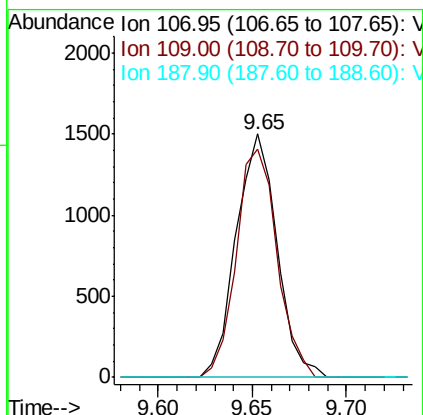
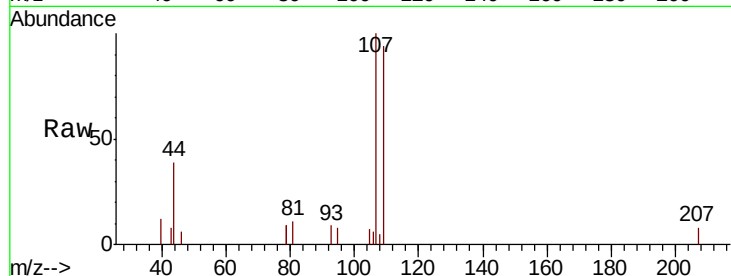




#50
1,2-Dibromoethane
Concen: 0.211 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. 0.00 min
Lab File: VX019200.D
Acq: 30 Oct 2020 12:54

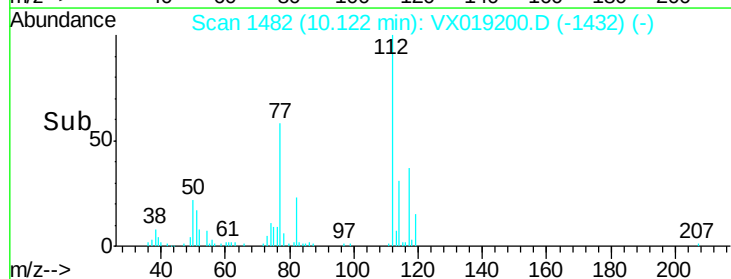
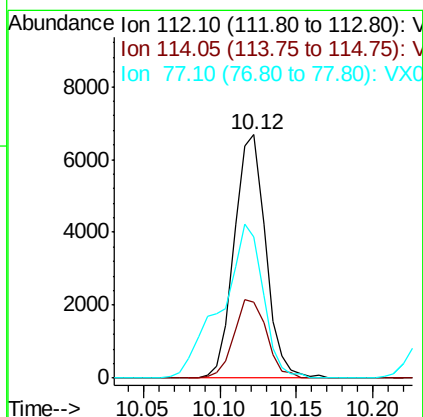
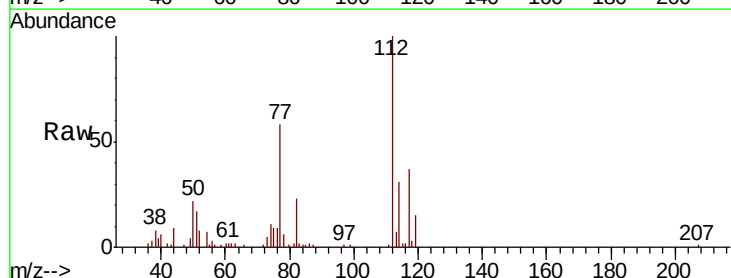
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-06

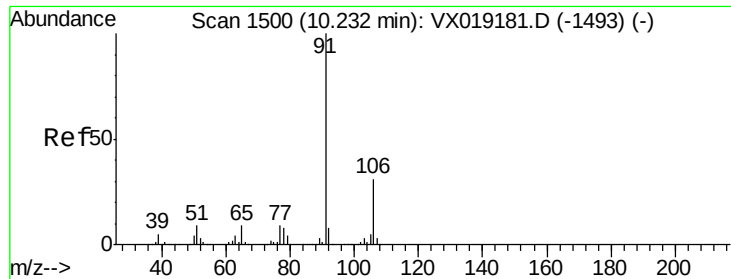
Tot Ion:107 Resp: 2254
Ion Ratio Lower Upper
107 100
109 93.7 62.9 116.9
188 0.0 3.0 4.4#



#51
Chlorobenzene
Concen: 0.208 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. 0.01 min
Lab File: VX019200.D
Acq: 30 Oct 2020 12:54

Tgt Ion:112 Resp: 9509
Ion Ratio Lower Upper
112 100
114 31.0 22.5 41.9
77 58.0 46.2 69.2





#52

Ethylbenzene

Concen: 0.197 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX019200.D

Acq: 30 Oct 2020 12:54

Instrument :

MSVOA_X

ClientSampled :

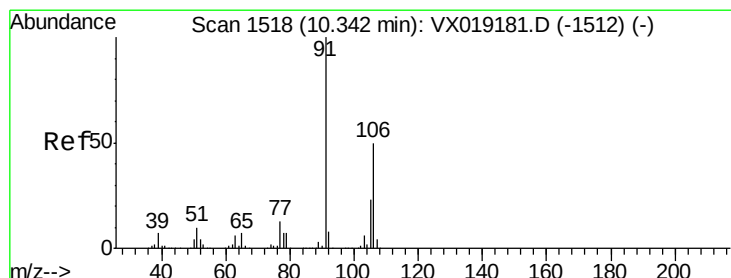
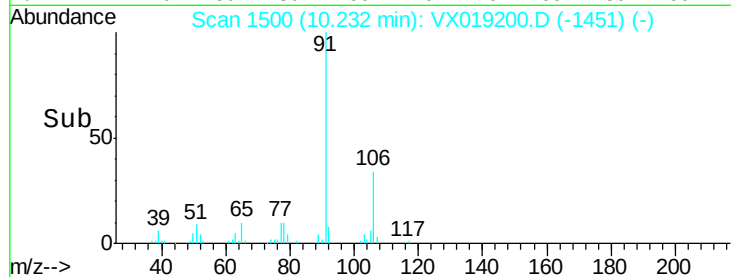
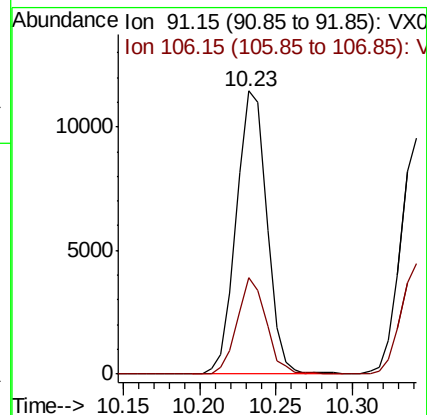
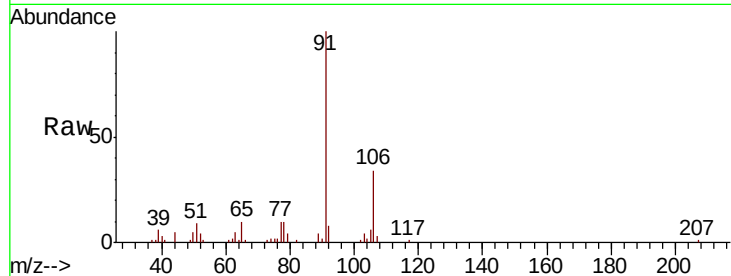
MDL-WATER-06

Tot Ion: 91 Resp: 15915

Ion Ratio Lower Upper

91 100

106 34.3 21.1 39.1



#53

m,p-xylene

Concen: 0.192 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX019200.D

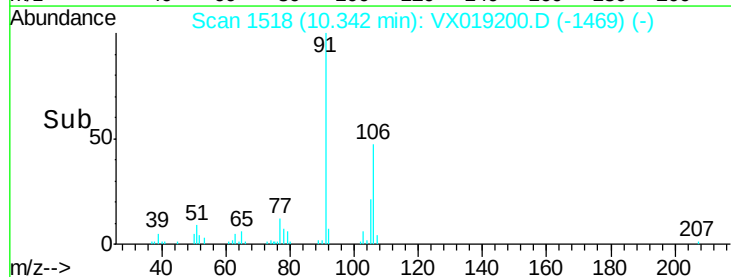
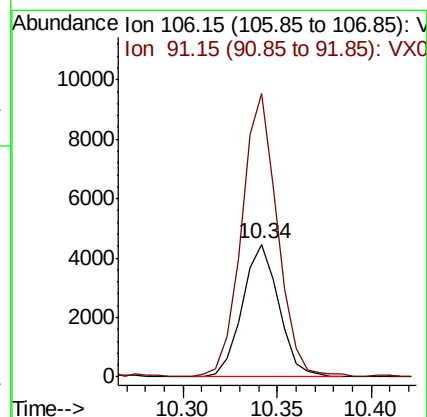
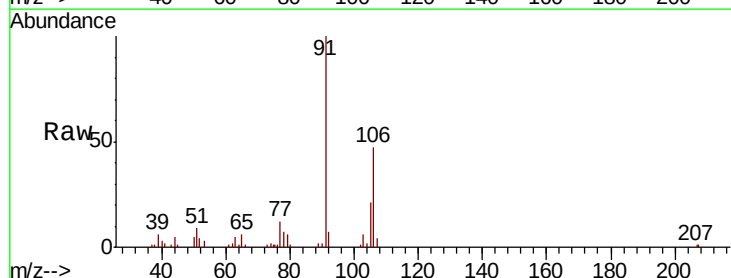
Acq: 30 Oct 2020 12:54

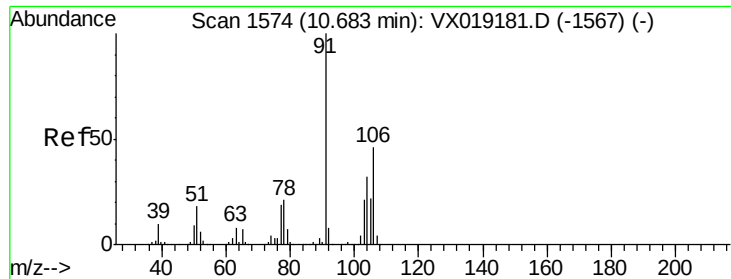
Tgt Ion: 106 Resp: 5973

Ion Ratio Lower Upper

106 100

91 213.1 141.5 262.7





#54

o-xylene

Concen: 0.191 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX019200.D

Acq: 30 Oct 2020 12:54

Instrument :

MSVOA_X

ClientSampled :

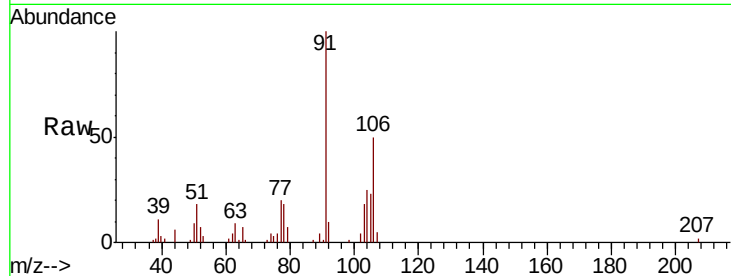
MDL-WATER-06

Tot Ion:106 Resp: 5674

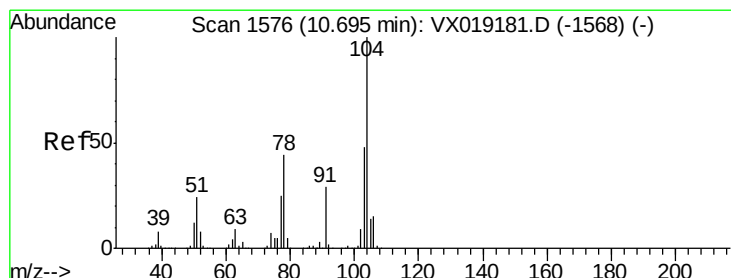
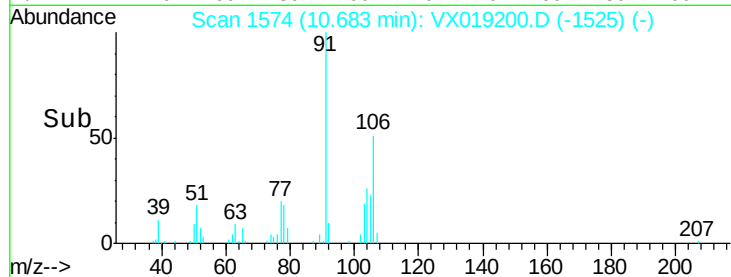
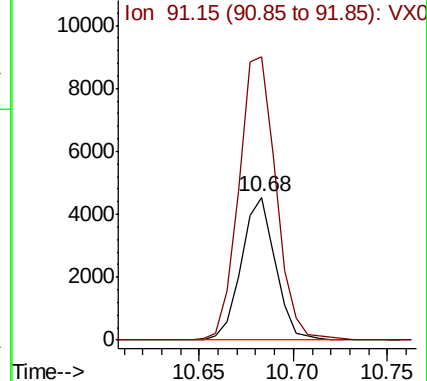
Ion Ratio Lower Upper

106 100

91 198.4 145.9 271.1



Abundance Ion 106.15 (105.85 to 106.85): V



#55

Styrene

Concen: 0.187 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX019200.D

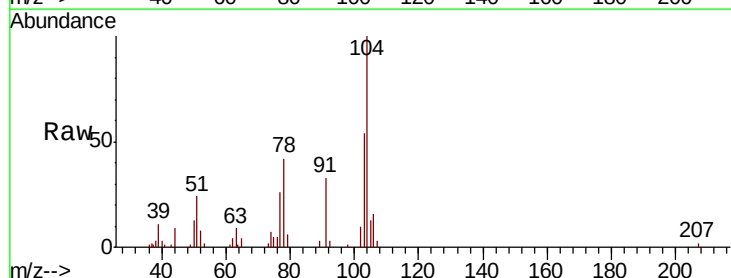
Acq: 30 Oct 2020 12:54

Tgt Ion:104 Resp: 9109

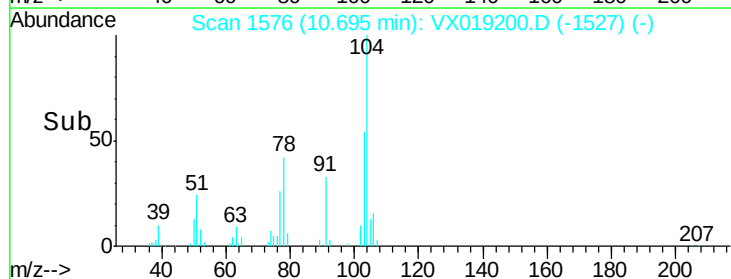
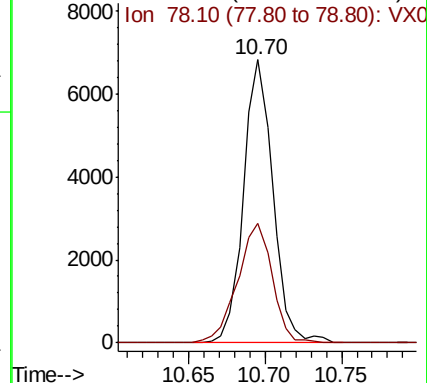
Ion Ratio Lower Upper

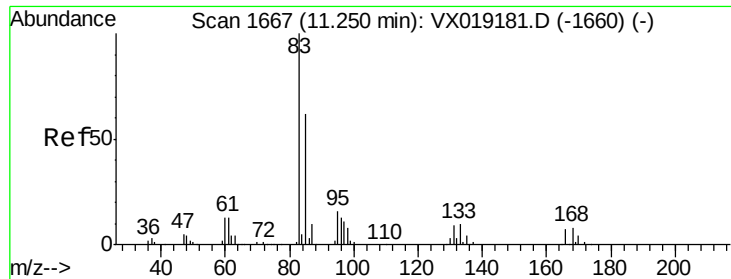
104 100

78 42.2 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

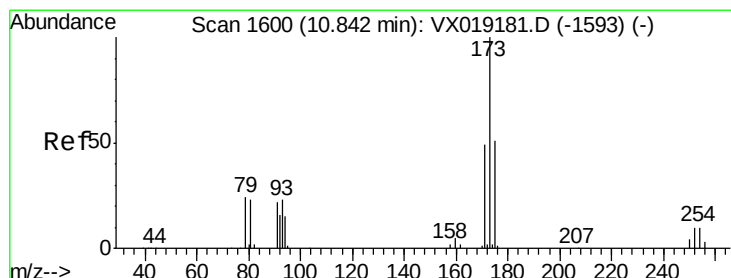
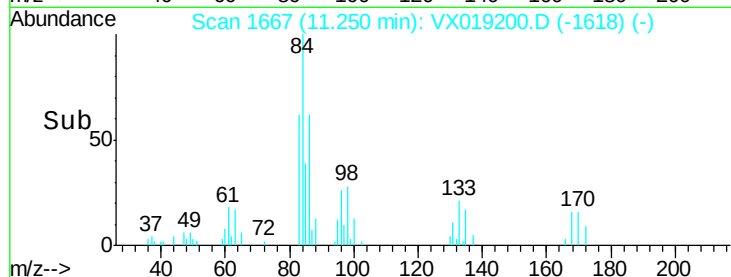
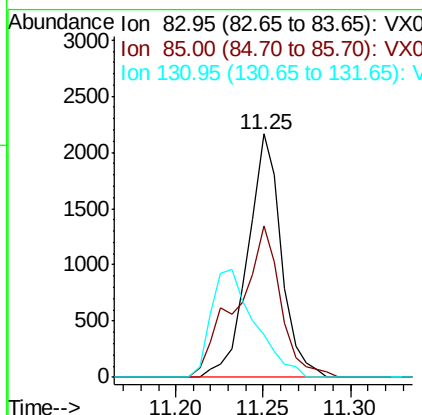
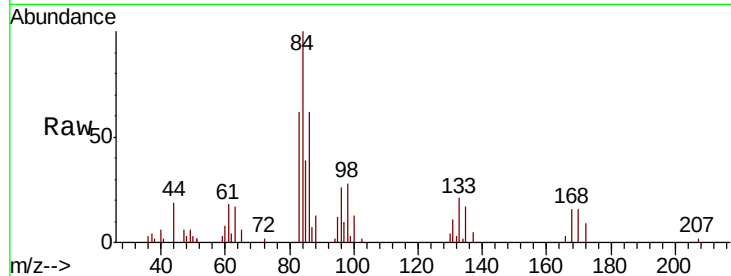




#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.220 ug/L
 RT: 11.25 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: VX019200.D
 Acq: 30 Oct 2020 12:54

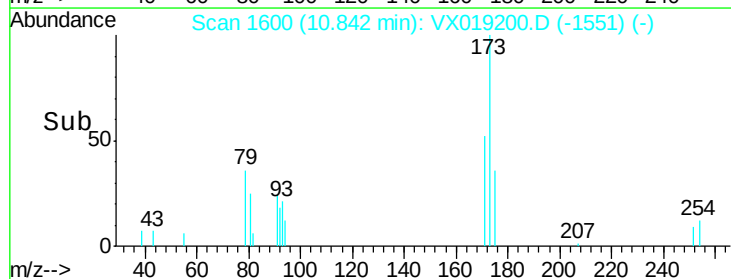
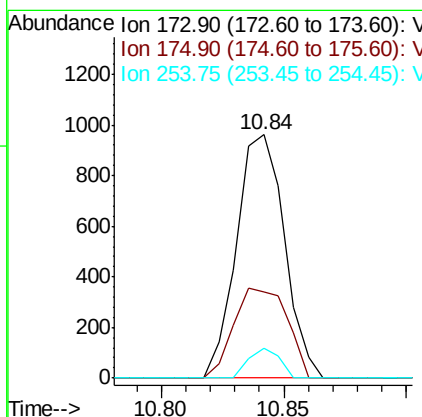
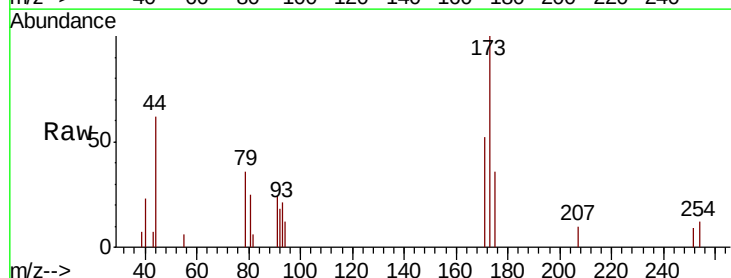
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-06

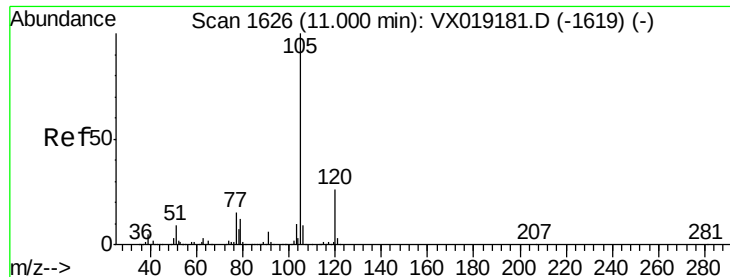
Tot Ion: 83 Resp: 2883
 Ion Ratio Lower Upper
 83 100
 85 62.4 46.0 85.4
 131 17.6 7.7 11.5#



#59
 Bromoform
 Concen: 0.192 ug/L
 RT: 10.84 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VX019200.D
 Acq: 30 Oct 2020 12:54

Tgt Ion: 173 Resp: 1306
 Ion Ratio Lower Upper
 173 100
 175 41.3 38.6 57.8
 254 8.0 7.4 11.0





#60

Isopropylbenzene

Concen: 0.198 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019200.D

Acq: 30 Oct 2020 12:54

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-06

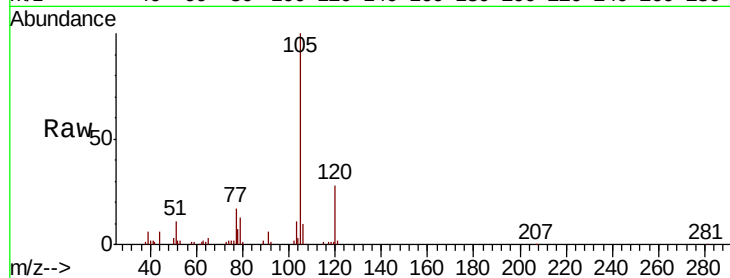
Tot Ion:105 Resp: 15013

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.2

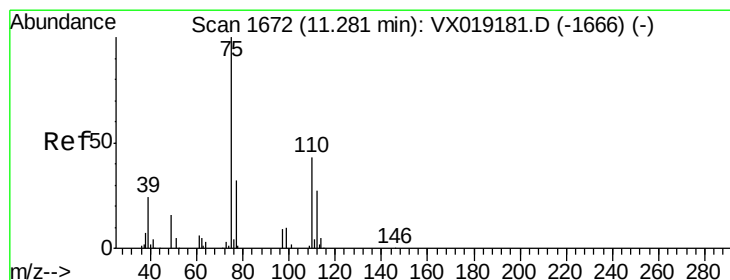
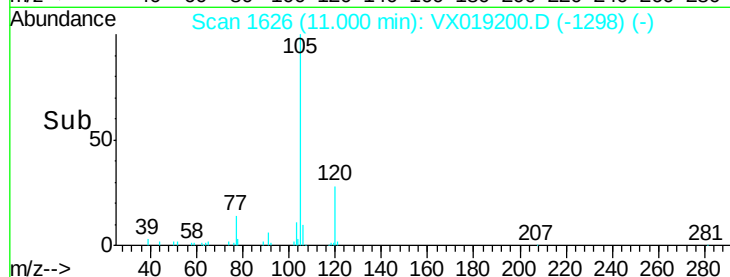
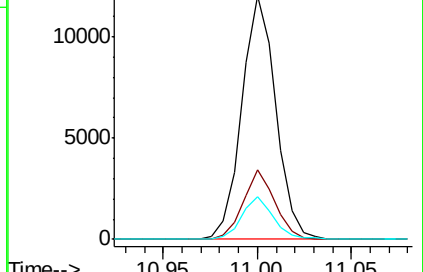
77 16.2 12.9 19.3



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: 0.222 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX019200.D

Acq: 30 Oct 2020 12:54

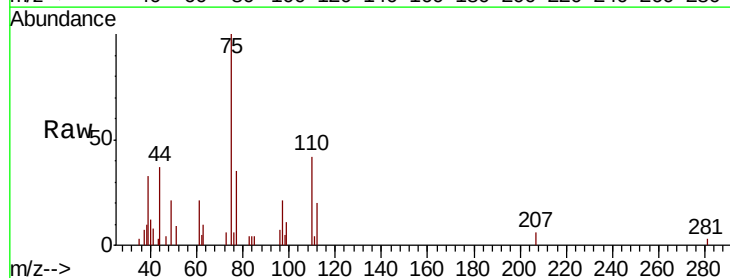
Tgt Ion: 75 Resp: 2058

Ion Ratio Lower Upper

75 100

77 34.3 25.6 38.4

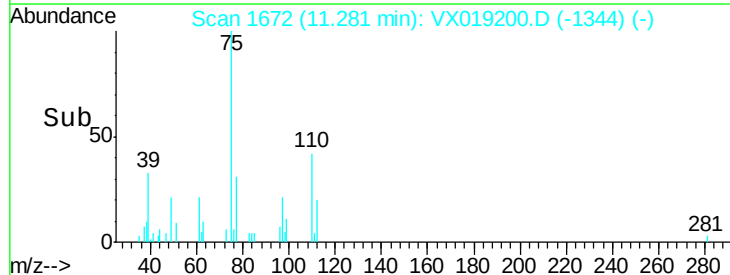
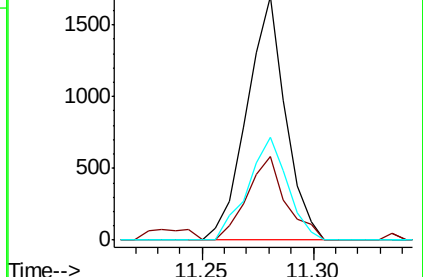
110 43.2 32.4 48.6

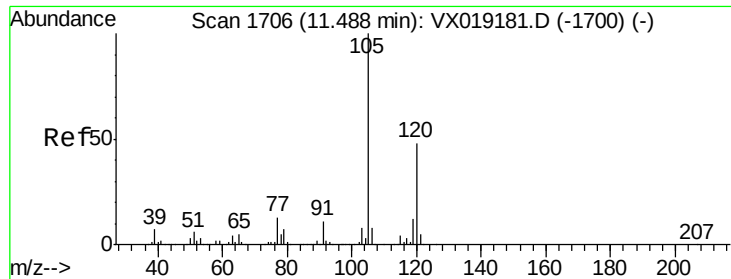


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 0.185 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019200.D

Acq: 30 Oct 2020 12:54

Instrument :

MSVOA_X

ClientSampled :

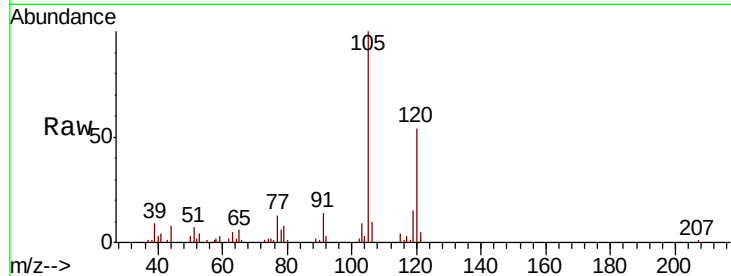
MDL-WATER-06

Tot Ion:105 Resp: 11770

Ion Ratio Lower Upper

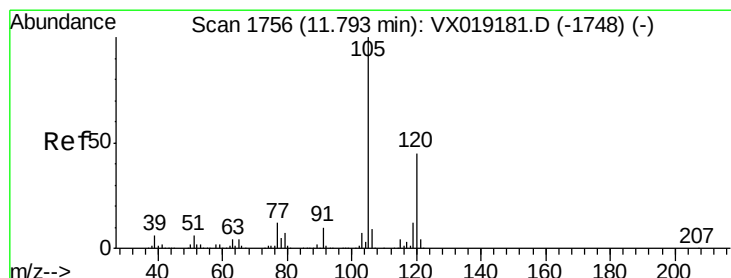
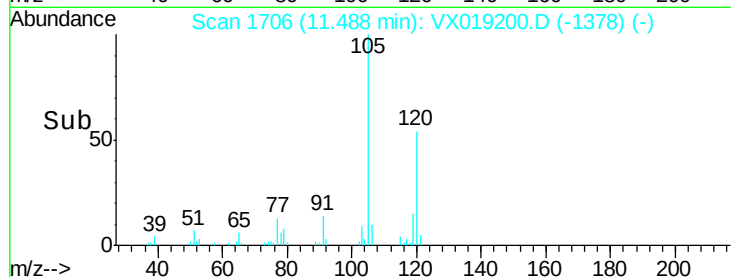
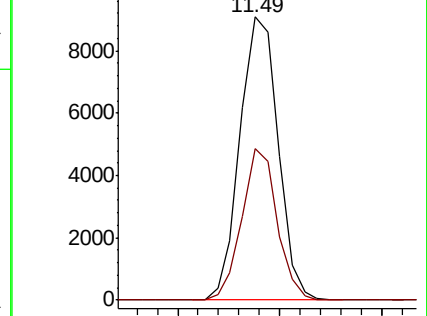
105 100

120 49.5 38.9 58.3



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: 0.194 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX019200.D

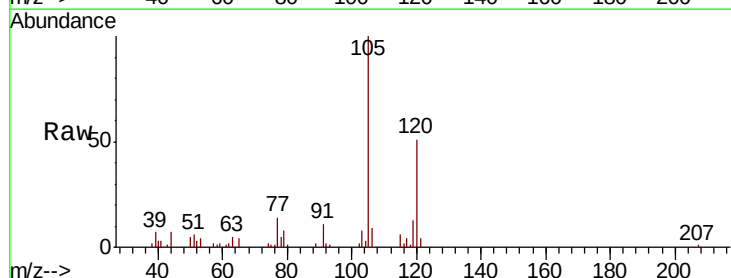
Acq: 30 Oct 2020 12:54

Tgt Ion:105 Resp: 12499

Ion Ratio Lower Upper

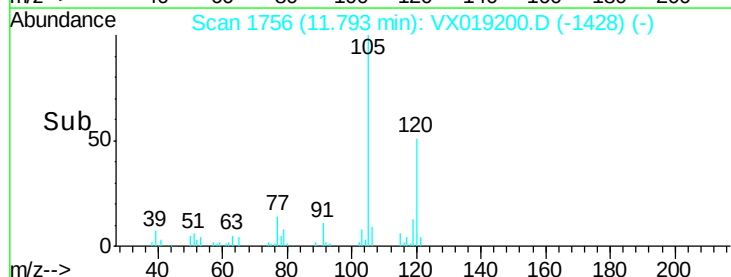
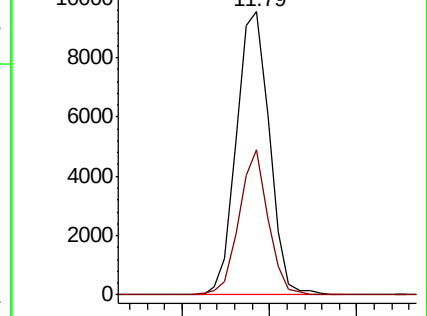
105 100

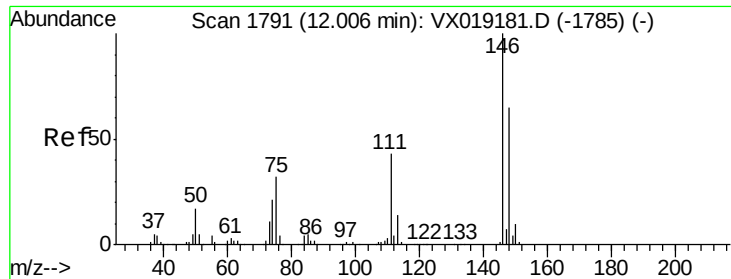
120 45.2 36.1 54.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 0.206 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX019200.D

Acq: 30 Oct 2020 12:54

Instrument :

MSVOA_X

ClientSampled :

MDL-WATER-06

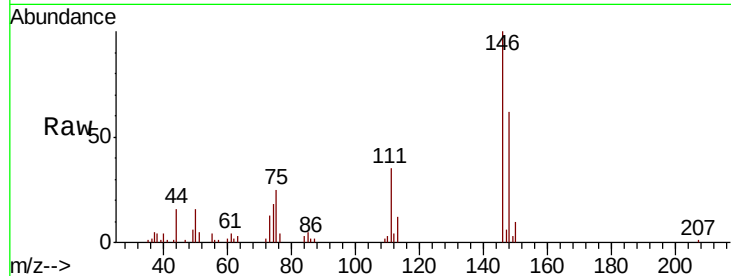
Tot Ion:146 Resp: 6966

Ion Ratio Lower Upper

146 100

111 35.4 27.3 50.7

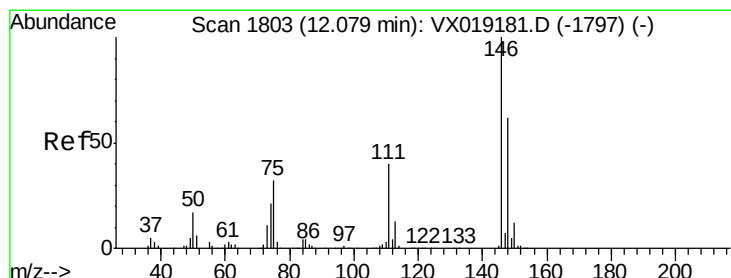
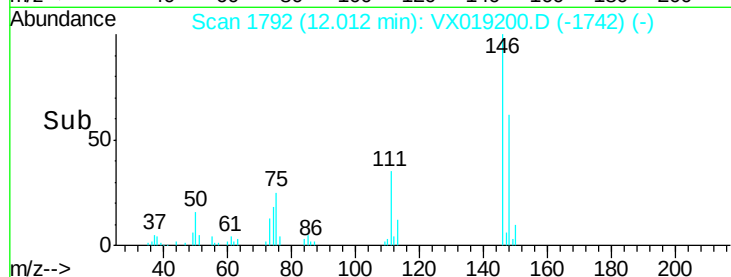
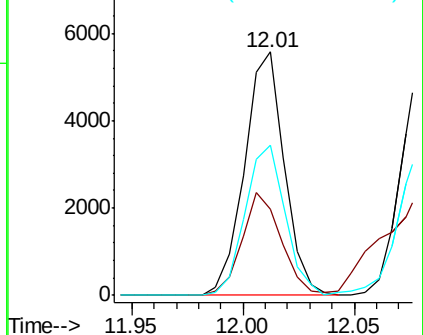
148 61.6 45.4 84.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 0.211 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX019200.D

Acq: 30 Oct 2020 12:54

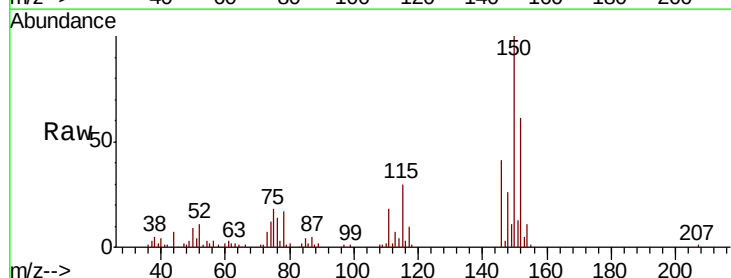
Tgt Ion:146 Resp: 7109

Ion Ratio Lower Upper

146 100

111 44.5 28.1 52.3

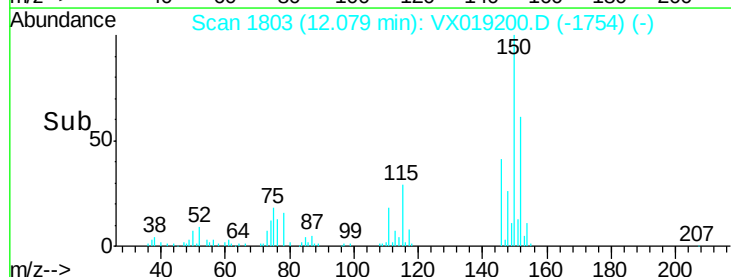
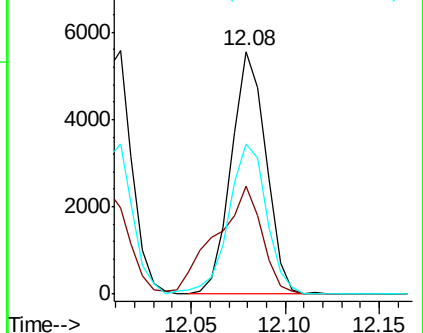
148 62.0 44.5 82.7

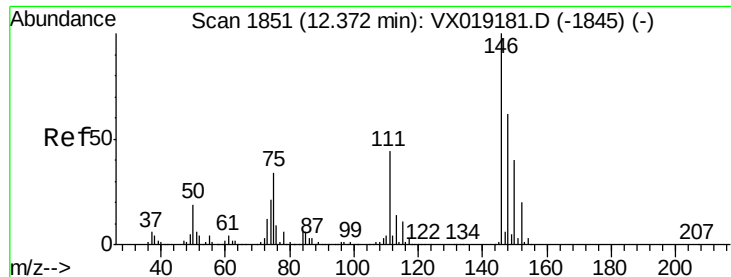


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

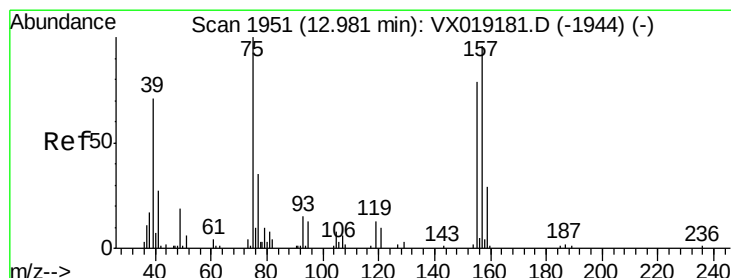
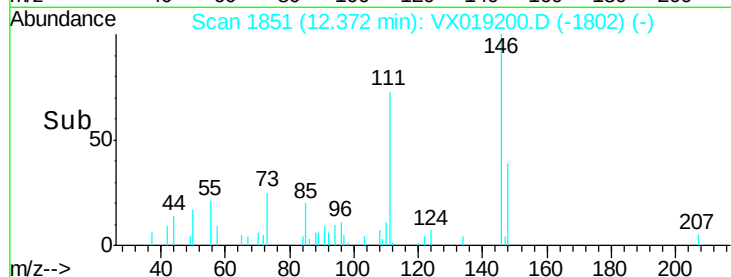
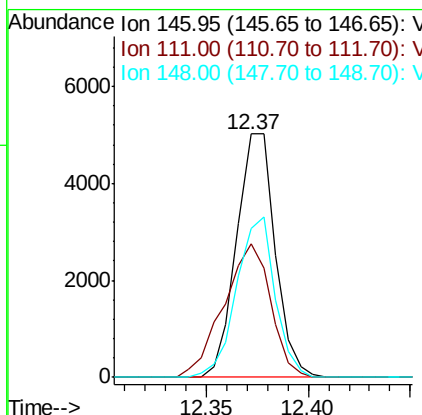
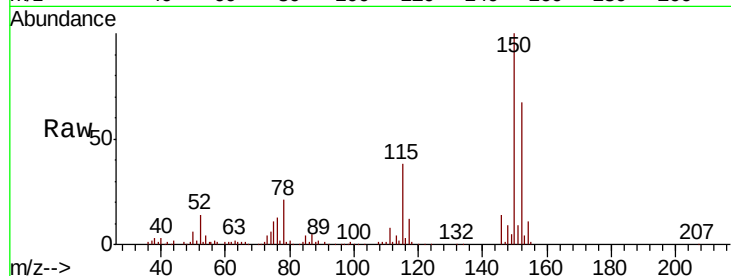




#67
 1,2-Dichlorobenzene
 Concen: 0.214 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VX019200.D
 Acq: 30 Oct 2020 12:54

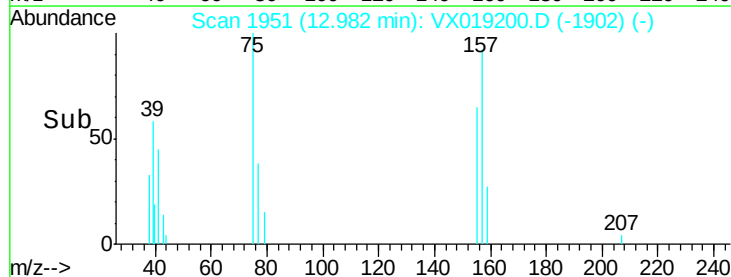
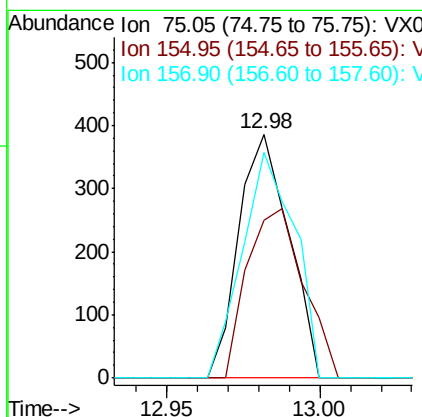
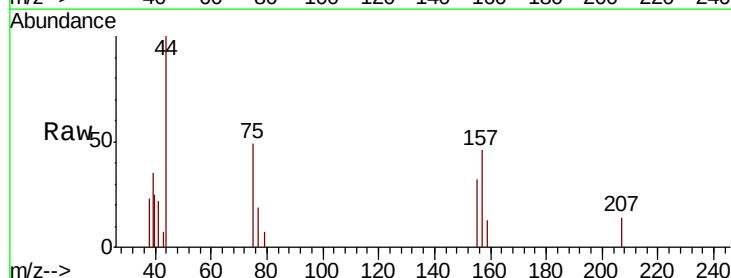
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-06

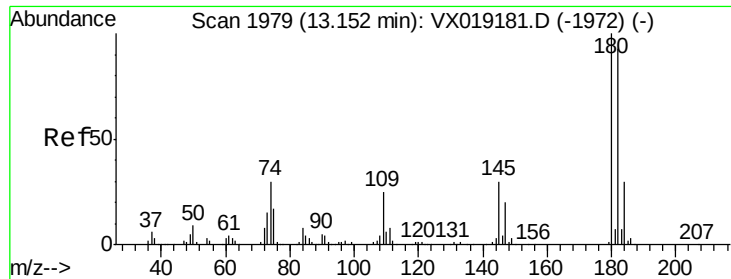
Tot Ion:146 Resp: 6628
 Ion Ratio Lower Upper
 146 100
 111 54.6 32.6 49.0#
 148 61.2 49.4 74.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.207 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX019200.D
 Acq: 30 Oct 2020 12:54

Tgt Ion: 75 Resp: 439
 Ion Ratio Lower Upper
 75 100
 155 64.5 62.9 94.3
 157 92.5 77.5 116.3

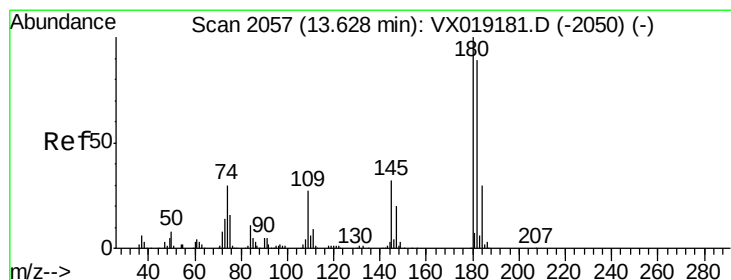
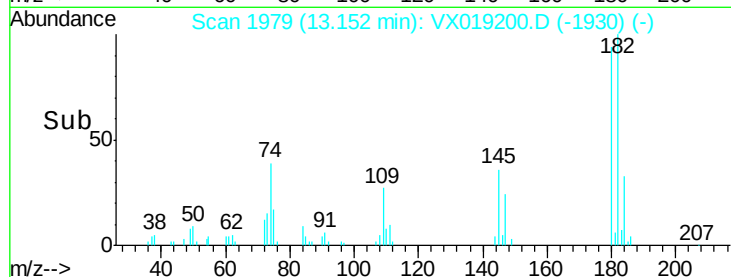
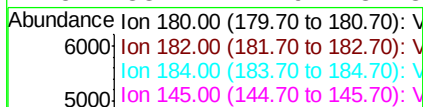
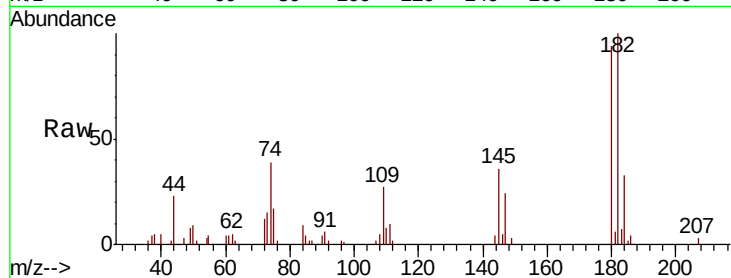




#69
 1,3,5-Trichlorobenzene
 Concen: 0.192 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX019200.D
 Acq: 30 Oct 2020 12:54

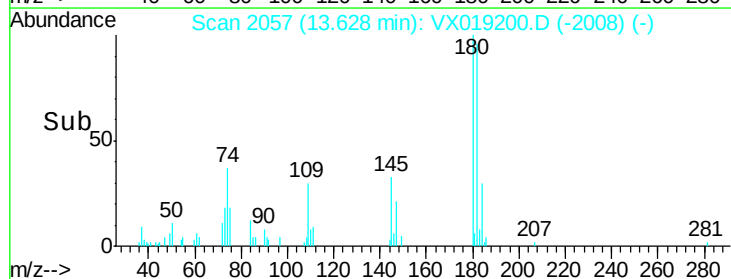
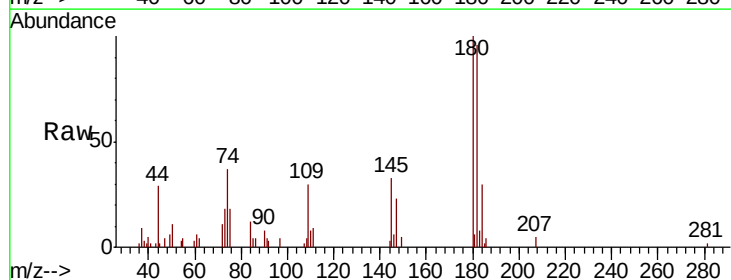
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-06

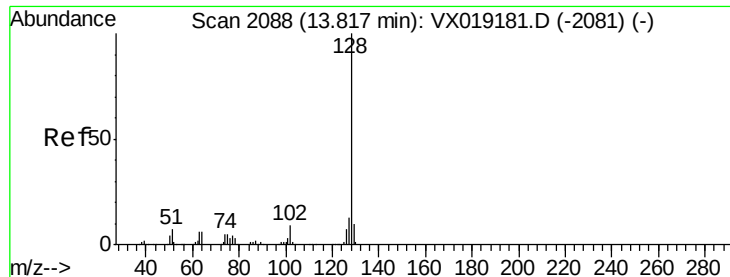
Tot Ion:180	Resp:	4745	
Ion Ratio	Lower	Upper	
180 100			
182 98.9	74.1	111.1	
184 33.7	24.4	36.6	
145 33.1	24.9	37.3	



#70
 1,2,4-trichlorobenzene
 Concen: 0.185 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX019200.D
 Acq: 30 Oct 2020 12:54

Tgt Ion	180	Resp:	3997
	Ratio	Lower	Upper
180	100		
182	100.4	77.8	116.6
145	35.3	25.0	37.4





#71

Naphthalene

Concen: 0.173 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019200.D

Acq: 30 Oct 2020 12:54

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-06

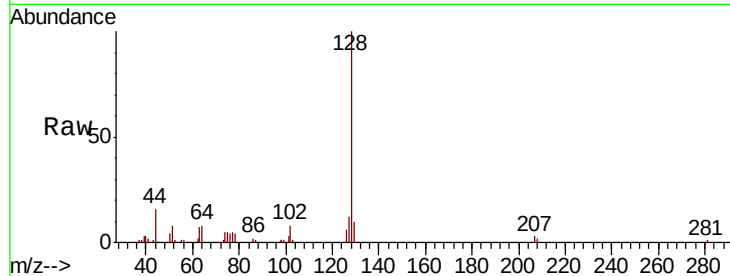
Tot Ion:128 Resp: 6737

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

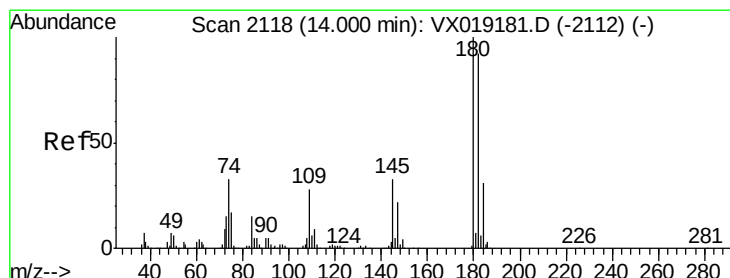
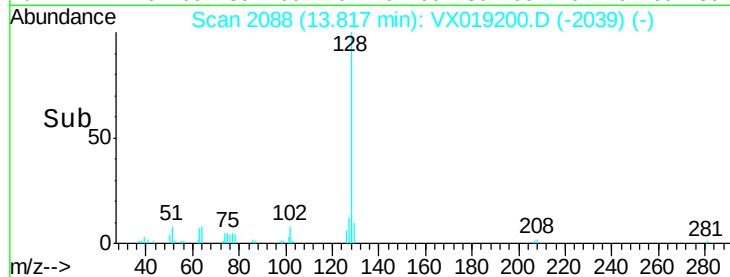
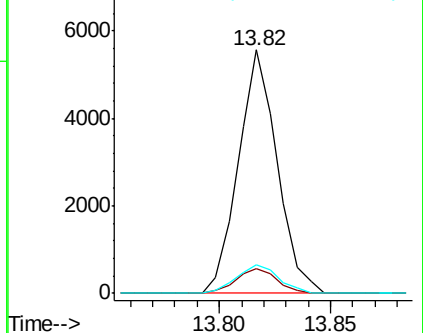
127 12.6 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#72

1,2,3-Trichlorobenzene

Concen: 0.190 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX019200.D

Acq: 30 Oct 2020 12:54

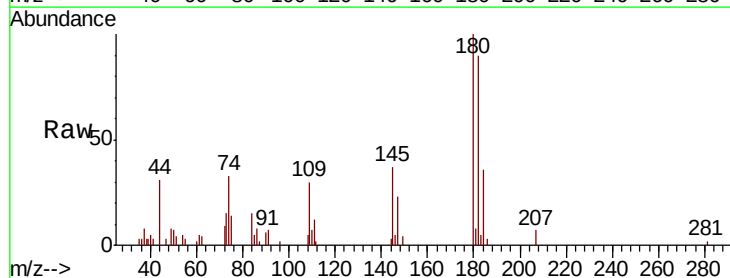
Tgt Ion:180 Resp: 3632

Ion Ratio Lower Upper

180 100

182 98.1 77.0 115.4

145 32.3 27.8 41.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

