

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102920\
 Data File : VX019178.D
 Acq On : 28 Oct 2020 21:41
 Operator : JC/MD
 Sample : L4485-10
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03

Quant Time: Oct 29 06:35:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR102920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 29 06:24:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	196155	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	174076	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	78504	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	64899	5.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.40%
7) Chloroethane-d5	1.70	69	53282	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.34	63	94391	3.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.20%
20) 2-Butanone-d5	4.56	46	143282	51.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.32%
24) Chloroform-d	5.14	84	115843	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	6.03	65	63633	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	6.04	84	243338	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	7.37	67	70373	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.80%
41) Toluene-d8	8.70	98	227271	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
43) trans-1,3-Dichloropropene-	8.99	79	28236	4.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.60%
46) 2-Hexanone-d5	9.43	63	130149	51.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.74%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	50812	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
66) 1,2-Dichlorobenzene-d4	12.36	152	75458	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	3762	0.232 ug/L	95
3) Chloromethane	1.31	50	3572	0.255 ug/L	90
5) Vinyl chloride	1.39	62	4056	0.257 ug/L	88
6) Bromomethane	1.64	94	2836	0.279 ug/L	87
8) Chloroethane	1.72	64	2479	0.259 ug/L	96
9) Trichlorofluoromethane	1.92	101	5297	0.233 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	4007	0.310 ug/L #	82
12) 1,1-Dichloroethene	2.35	96	3741	0.297 ug/L #	1
13) Acetone	2.46	43	3294	2.083 ug/L	94
14) Carbon disulfide	2.54	76	9289	0.238 ug/L	98
15) Methyl Acetate	2.76	43	1608	0.381 ug/L #	88
16) Methylene chloride	2.83	84	5688	0.379 ug/L	89
17) Methyl tert-butyl Ether	3.17	73	7122	0.236 ug/L #	89
18) trans-1,2-Dichloroethene	3.14	96	3265	0.247 ug/L	92
19) 1,1-Dichloroethane	3.67	63	5350	0.236 ug/L	97
21) 2-Butanone	4.67	43	7963	2.867 ug/L	92
22) cis-1,2-Dichloroethene	4.56	96	3435	0.244 ug/L	93

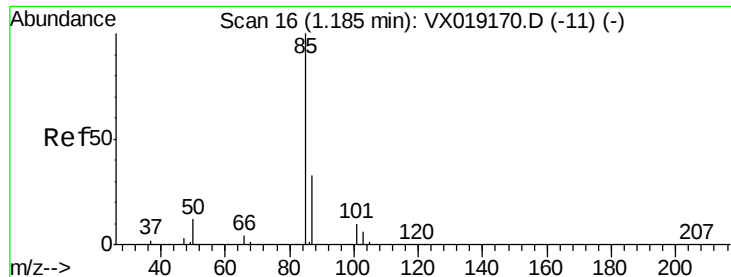
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102920\
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 29 06:24:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	1314	0.224	ug/L	96
25) Chloroform	5.17	83	6397	0.272	ug/L	100
29) 1,1,1-Trichloroethane	5.46	97	5032	0.234	ug/L	97
30) Cyclohexane	5.54	56	5223	0.244	ug/L	96
31) Carbon tetrachloride	5.75	117	4115	0.225	ug/L	99
33) Benzene	6.11	78	12689	0.245	ug/L	100
34) Trichloroethene	7.18	95	3346	0.236	ug/L	90
35) Methylcyclohexane	7.44	83	5233	0.228	ug/L	97
37) 1,2-Dichloropropane	7.49	63	2921	0.239	ug/L #	94
38) Bromodichloromethane	7.88	83	3698	0.232	ug/L	95
39) cis-1,3-Dichloropropene	8.42	75	4144	0.221	ug/L	89
40) 4-Methyl-2-pentanone	8.62	43	15408	2.361	ug/L #	87
42) Toluene	8.76	91	13071	0.233	ug/L	99
44) trans-1,3-Dichloropropene	9.02	75	4642	0.295	ug/L	99
45) 1,1,2-Trichloroethane	9.20	97	1976	0.222	ug/L	87
47) Tetrachloroethene	9.32	164	2439	0.225	ug/L	90
48) 2-Hexanone	9.48	43	12587	2.757	ug/L	94
49) Dibromochloromethane	9.56	129	2227	0.216	ug/L	91
50) 1,2-Dibromoethane	9.66	107	1788	0.216	ug/L #	91
51) Chlorobenzene	10.12	112	8110	0.229	ug/L	99
52) Ethylbenzene	10.23	91	14331	0.229	ug/L	94
53) m,p-xylene	10.34	106	5621	0.234	ug/L	100
54) o-xylene	10.68	106	5037	0.219	ug/L	90
55) Styrene	10.70	104	7643	0.203	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.26	83	2625	0.258	ug/L #	93
59) Bromoform	10.84	173	1104	0.214	ug/L #	98
60) Isopropylbenzene	11.00	105	13380	0.232	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	1776	0.252	ug/L	97
62) 1,3,5-Trimethylbenzene	11.49	105	10986	0.228	ug/L	100
63) 1,2,4-Trimethylbenzene	11.79	105	10921	0.223	ug/L	100
64) 1,3-Dichlorobenzene	12.01	146	5931	0.232	ug/L	93
65) 1,4-Dichlorobenzene	12.08	146	6228	0.243	ug/L	99
67) 1,2-Dichlorobenzene	12.38	146	5543	0.235	ug/L	95
68) 1,2-Dibromo-3-chloropropan	12.98	75	395	0.245	ug/L #	83
69) 1,3,5-Trichlorobenzene	13.15	180	4317	0.230	ug/L	99
70) 1,2,4-trichlorobenzene	13.63	180	3609	0.220	ug/L	95
71) Naphthalene	13.82	128	6207	0.210	ug/L	98
72) 1,2,3-Trichlorobenzene	14.00	180	3481	0.240	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 0.232 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Instrument :

MSVOA_X

ClientSampleId :

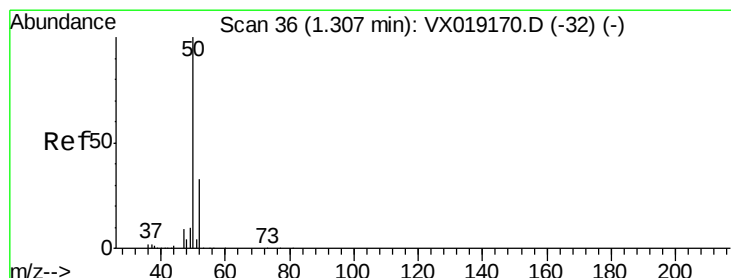
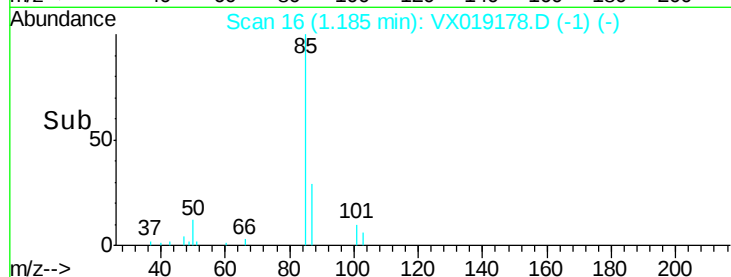
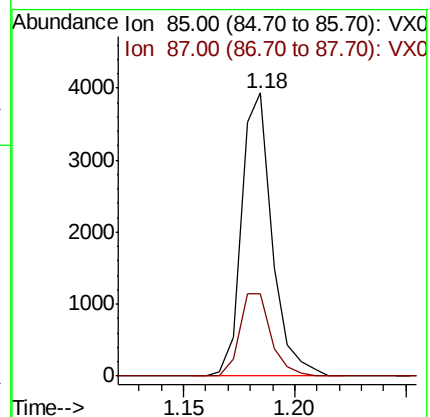
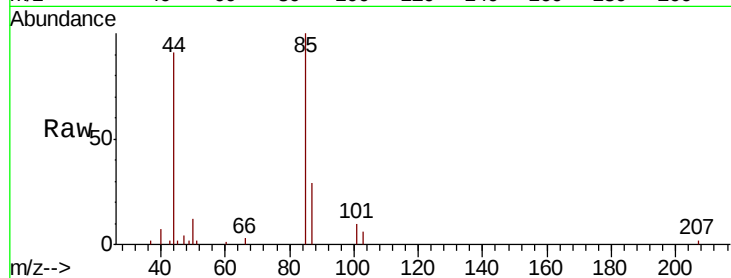
MDL-WATER-03

Tot Ion: 85 Resp: 3762

Ion Ratio Lower Upper

85 100

87 30.1 26.1 39.1



#3

Chloromethane

Concen: 0.255 ug/L

RT: 1.31 min Scan# 36

Delta R.T. -0.00 min

Lab File: VX019178.D

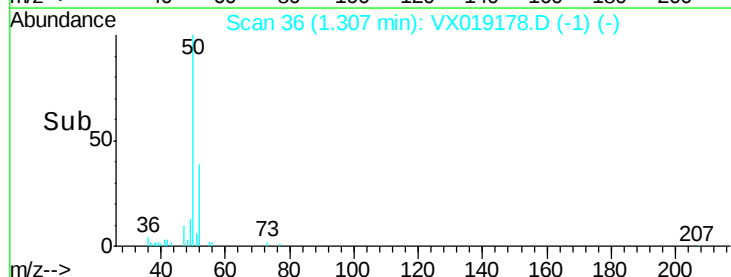
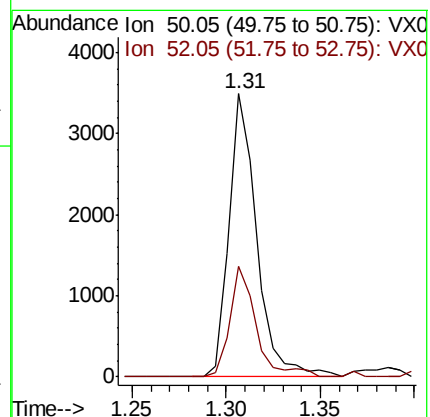
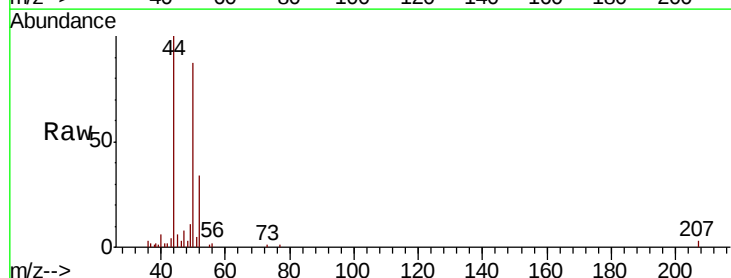
Acq: 28 Oct 2020 21:41

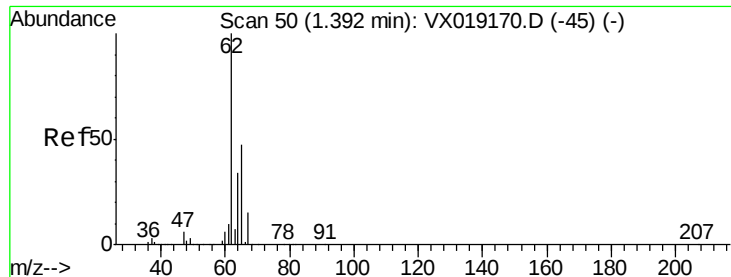
Tgt Ion: 50 Resp: 3572

Ion Ratio Lower Upper

50 100

52 39.1 23.4 43.6





#5

Vinyl chloride

Concen: 0.257 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Instrument :

MSVOA_X

ClientSampled :

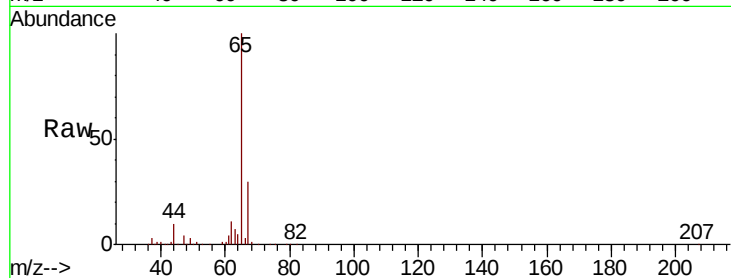
MDL-WATER-03

Tot Ion: 62 Resp: 4056

Ion Ratio Lower Upper

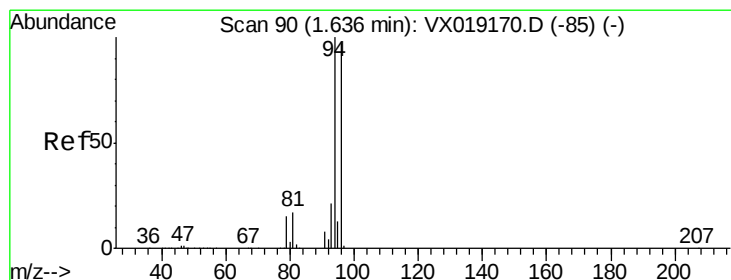
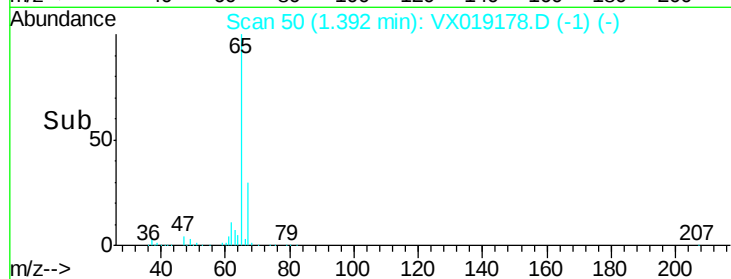
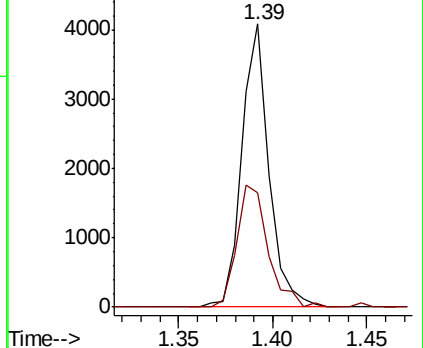
62 100

64 40.7 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.10 (63.80 to 64.80): VX0



#6

Bromomethane

Concen: 0.279 ug/L

RT: 1.64 min Scan# 90

Delta R.T. -0.00 min

Lab File: VX019178.D

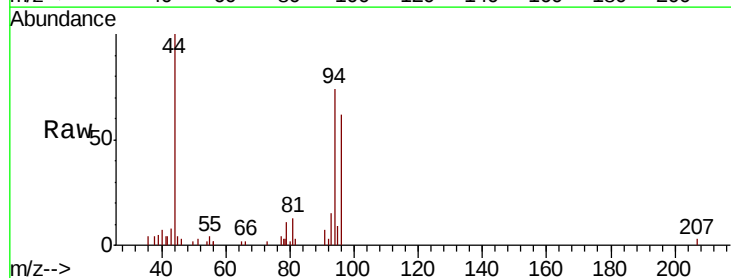
Acq: 28 Oct 2020 21:41

Tgt Ion: 94 Resp: 2836

Ion Ratio Lower Upper

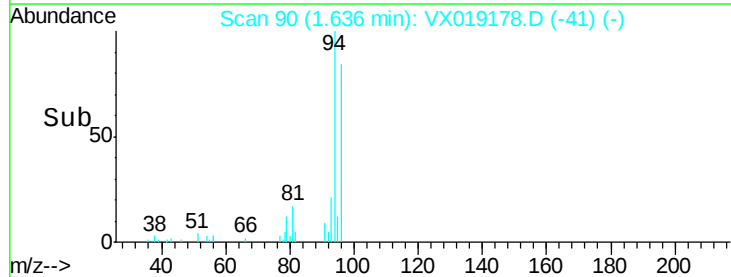
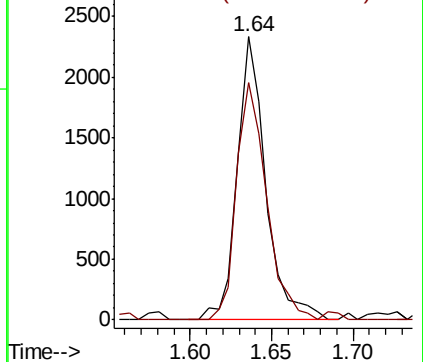
94 100

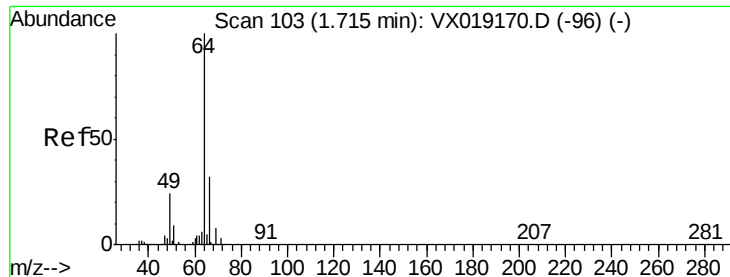
96 83.8 67.9 126.1



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

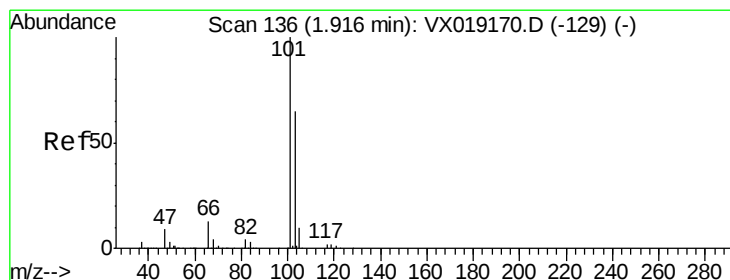
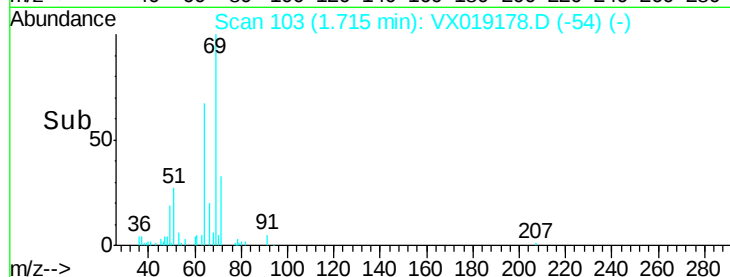
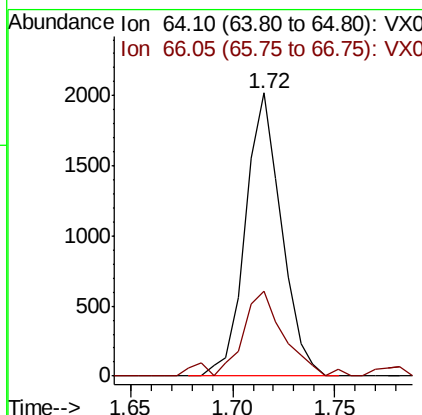
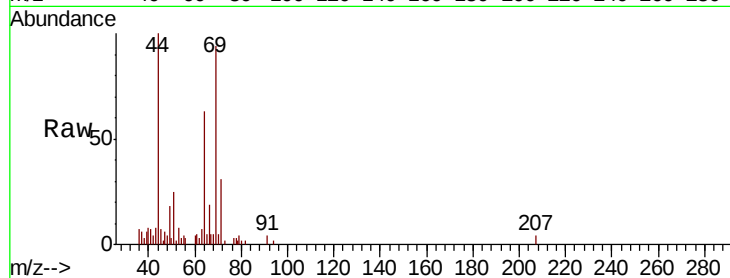




#8
Chloroethane
Concen: 0.259 ug/L
RT: 1.72 min Scan# 103
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

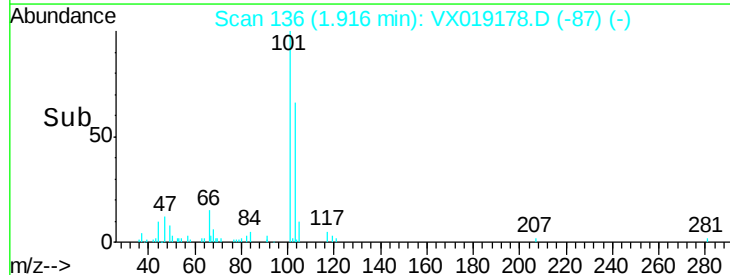
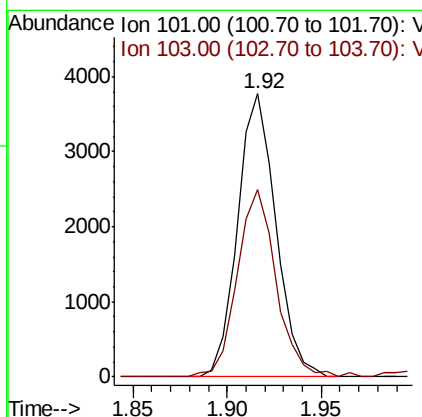
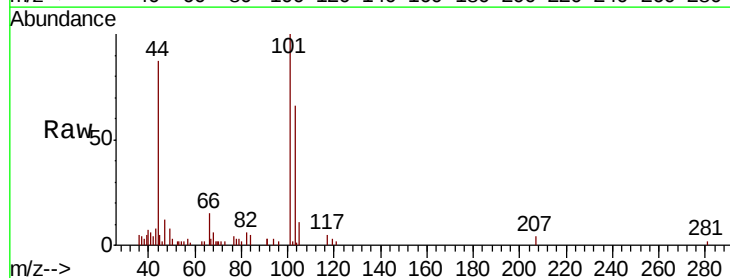
Instrument :
MSVOA_X
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MDL-WATER-03

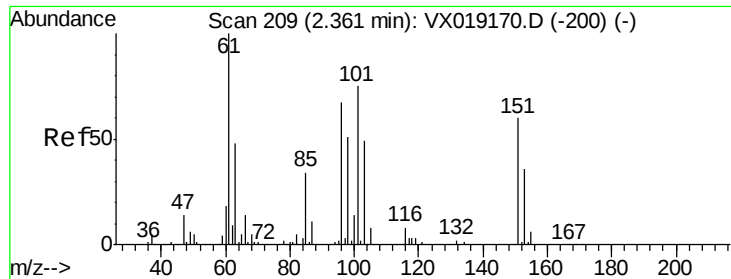
Tot Ion: 64 Resp: 2479
Ion Ratio Lower Upper
64 100
66 30.1 22.7 42.1



#9
Trichlorofluoromethane
Concen: 0.233 ug/L
RT: 1.92 min Scan# 136
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Tgt Ion: 101 Resp: 5297
Ion Ratio Lower Upper
101 100
103 67.5 51.9 77.9





#10

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

Concen: 0.310 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03

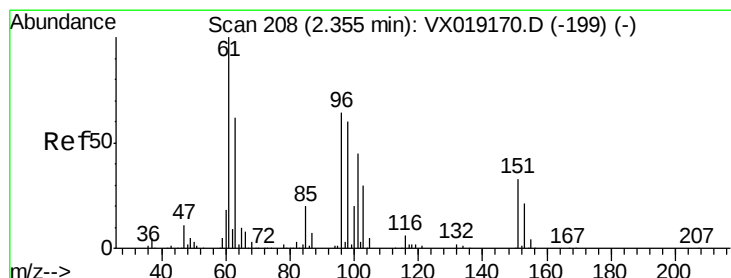
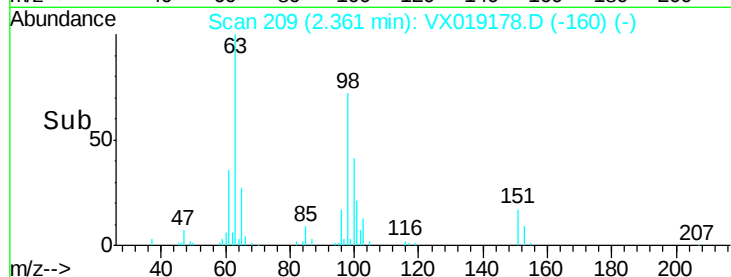
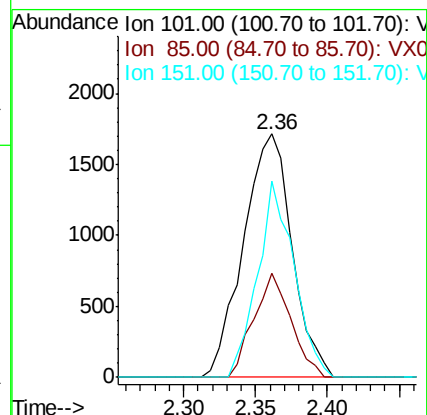
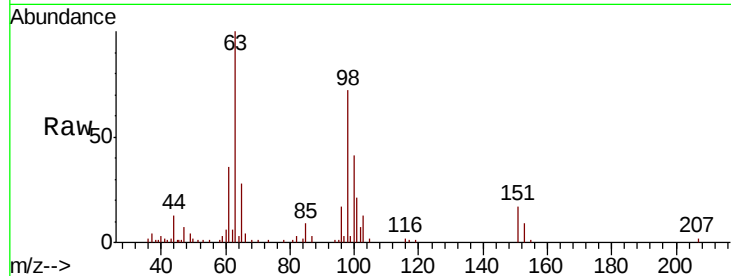
Tot Ion:101 Resp: 4007

Ion Ratio Lower Upper

101 100

85 32.7 35.3 52.9#

151 60.4 60.9 91.3#



#12

1,1-Dichloroethene

Concen: 0.297 ug/L

RT: 2.35 min Scan# 207

Delta R.T. -0.01 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

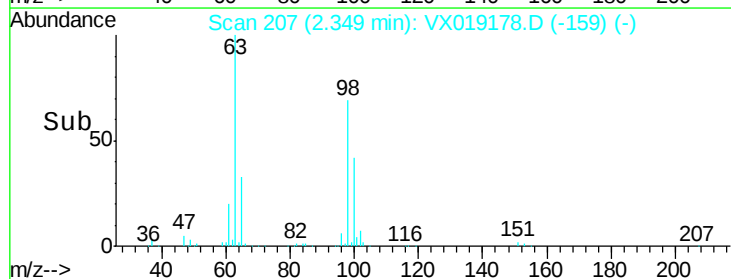
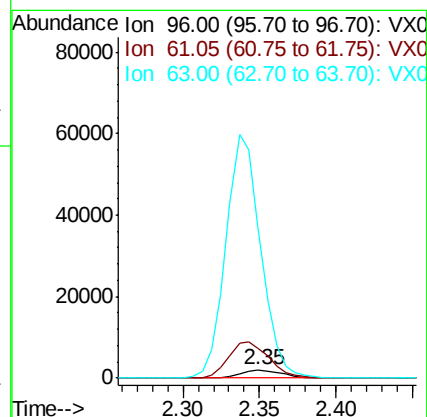
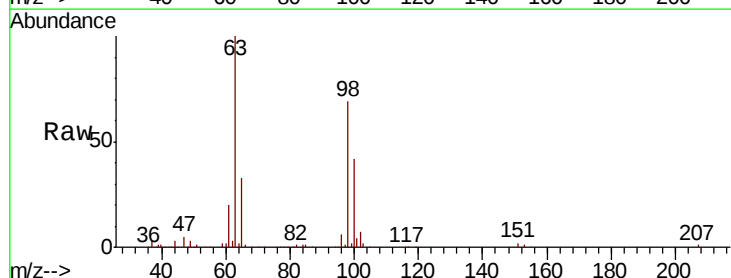
Tgt Ion: 96 Resp: 3741

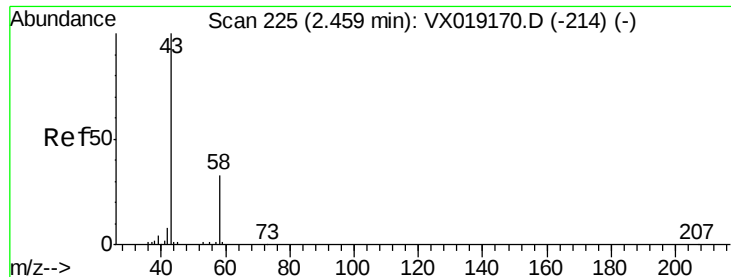
Ion Ratio Lower Upper

96 100

61 342.7 109.5 203.3#

63 1754.7 68.3 126.9#





#13

Acetone

Concen: 2.083 ug/L

RT: 2.46 min Scan# 226

Delta R.T. 0.01 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Instrument :

MSVOA_X

ClientSampleId :

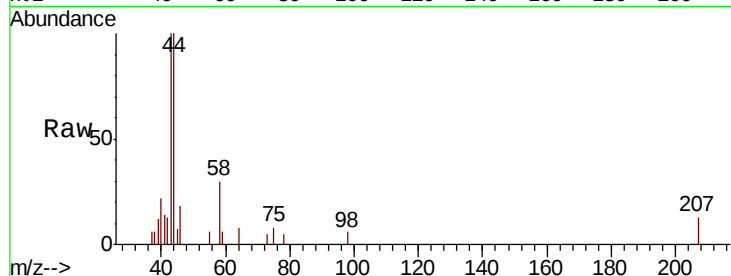
MDL-WATER-03

Tot Ion: 43 Resp: 3294

Ion Ratio Lower Upper

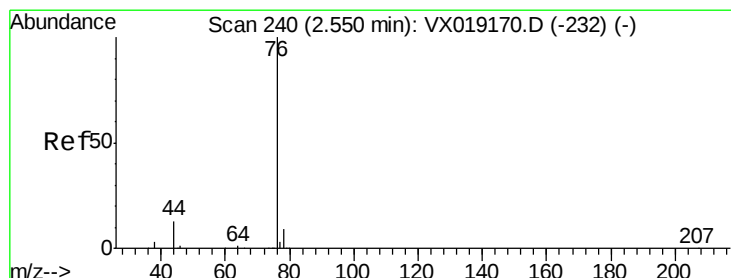
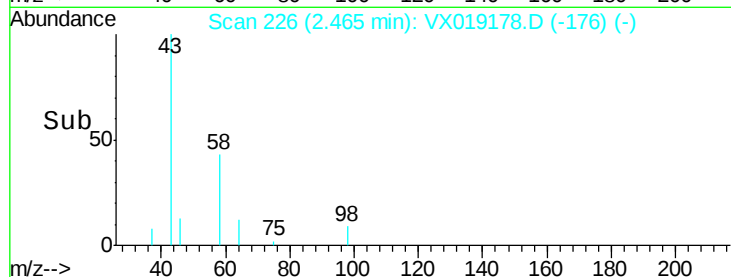
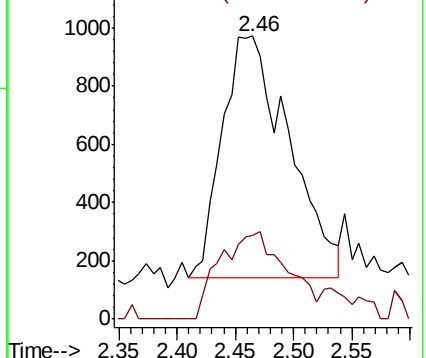
43 100

58 36.3 0.0 65.4



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0



#14

Carbon disulfide

Concen: 0.238 ug/L

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VX019178.D

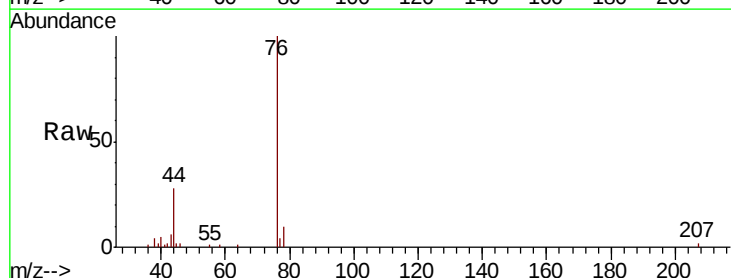
Acq: 28 Oct 2020 21:41

Tgt Ion: 76 Resp: 9289

Ion Ratio Lower Upper

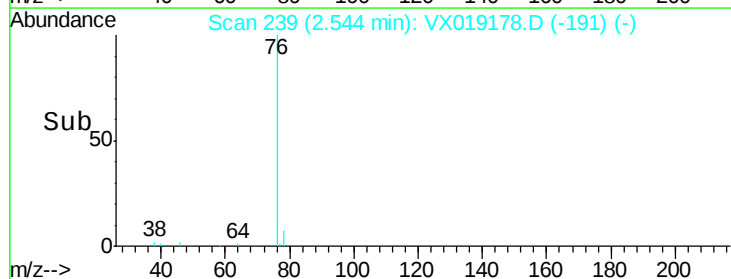
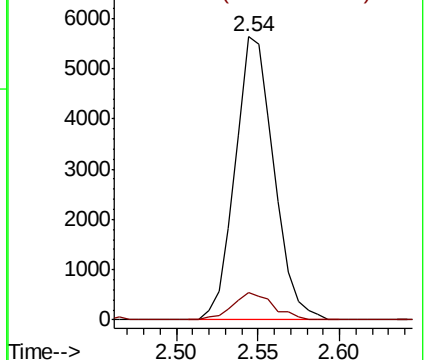
76 100

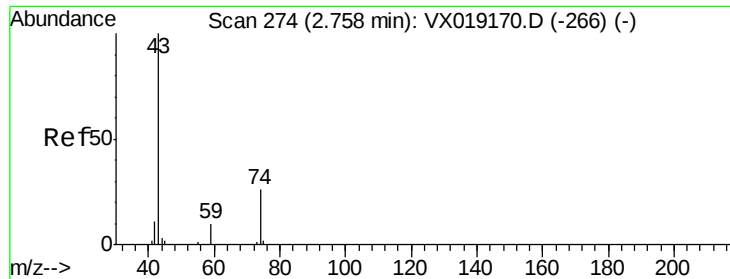
78 9.9 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

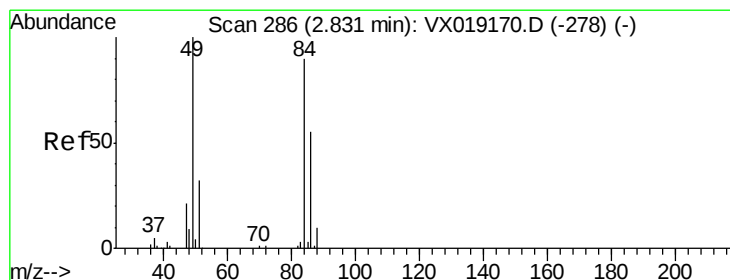
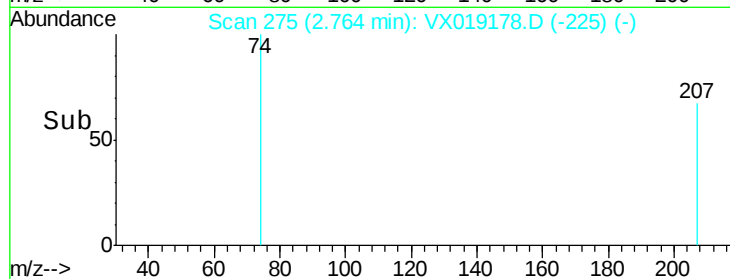
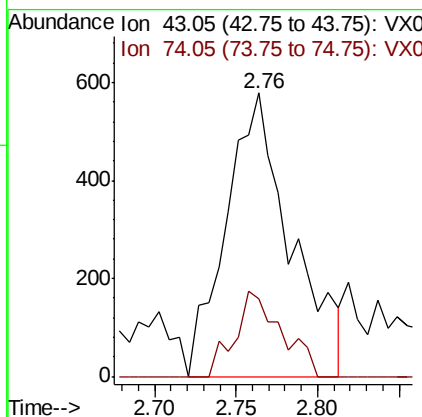
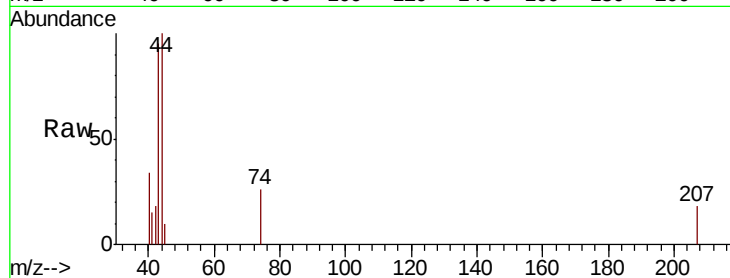




#15
Methyl Acetate
Concen: 0.381 ug/L
RT: 2.76 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

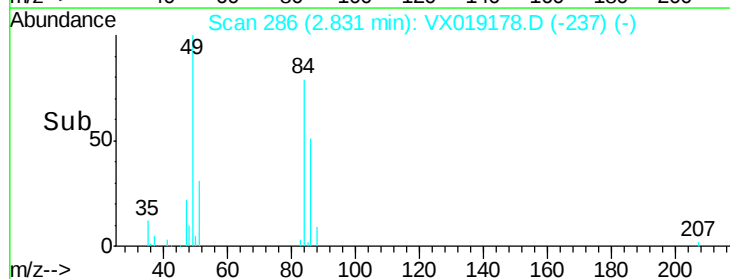
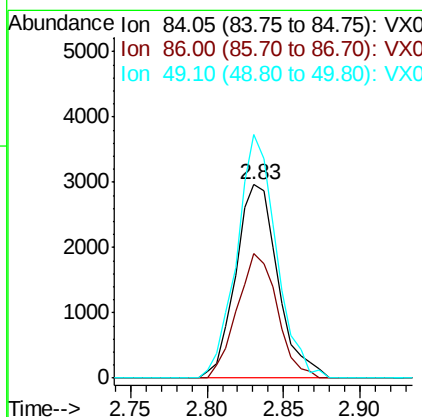
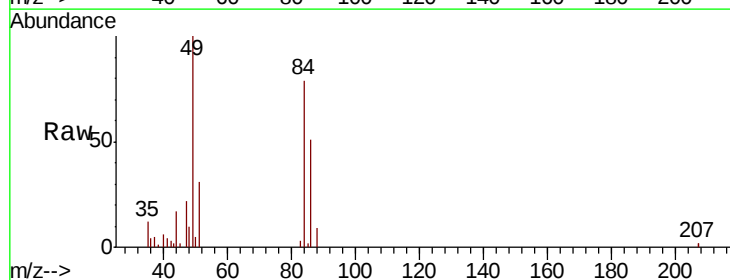
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03

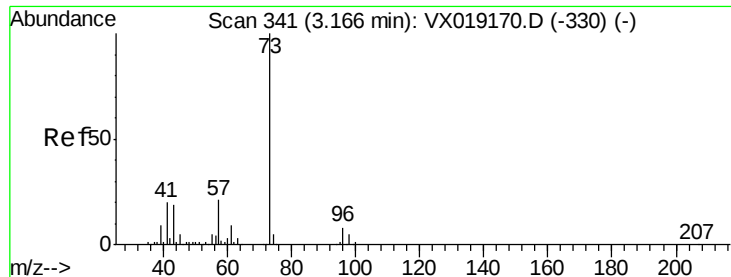
Tot Ion: 43 Resp: 1608
Ion Ratio Lower Upper
43 100
74 21.5 22.3 33.5#



#16
Methylene chloride
Concen: 0.379 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Tgt Ion: 84 Resp: 5688
Ion Ratio Lower Upper
84 100
86 64.5 42.2 78.4
49 126.0 77.5 143.9

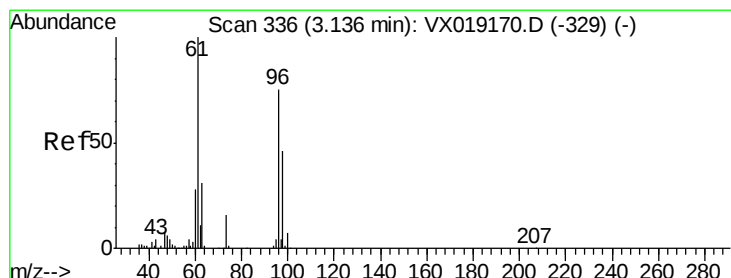
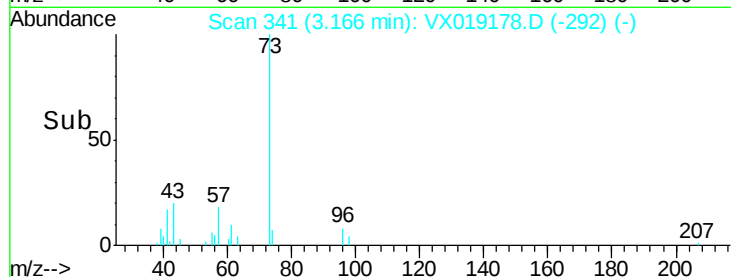
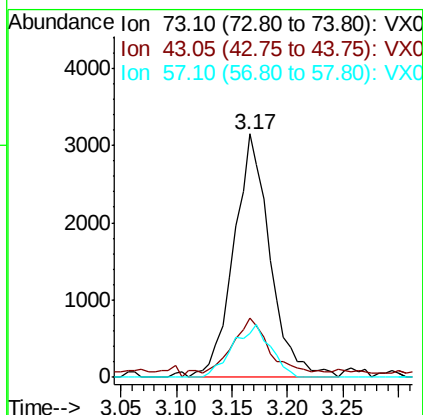
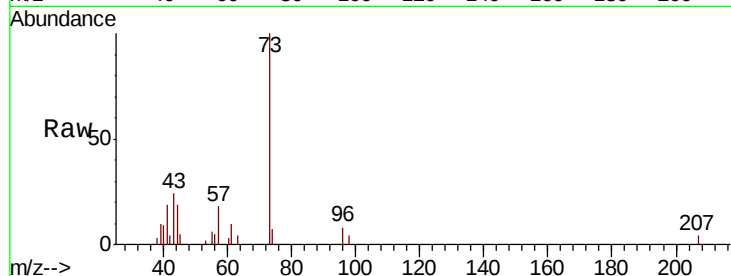




#17
Methvl tert-butvl Ether
Concen: 0.236 ug/L
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

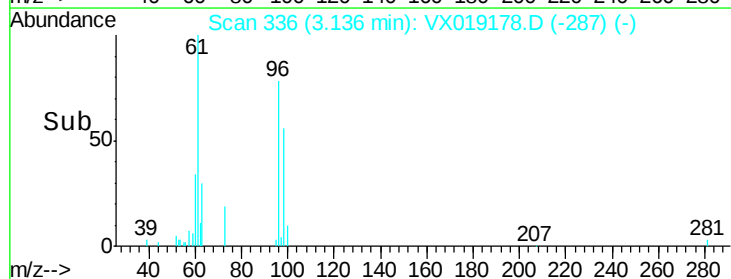
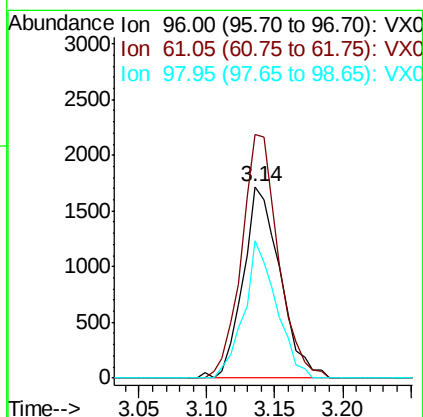
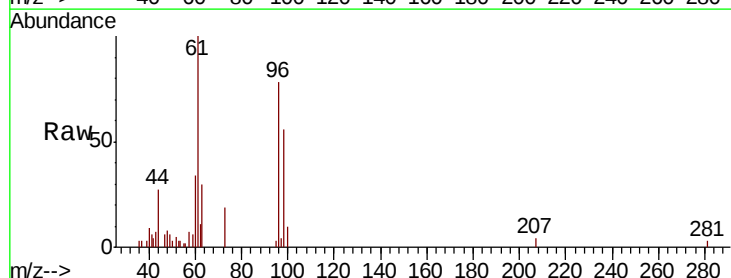
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03

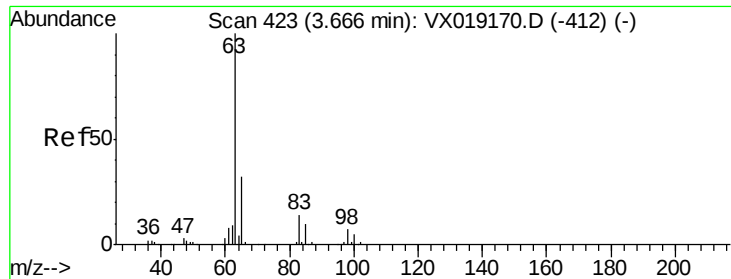
Tot Ion: 73 Resp: 7122
Ion Ratio Lower Upper
73 100
43 28.4 16.1 24.1#
57 22.5 16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 0.247 ug/L
RT: 3.14 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Tgt Ion: 96 Resp: 3265
Ion Ratio Lower Upper
96 100
61 127.4 93.7 173.9
98 72.0 42.8 79.6

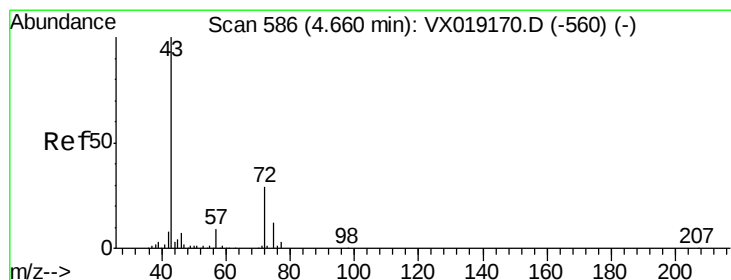
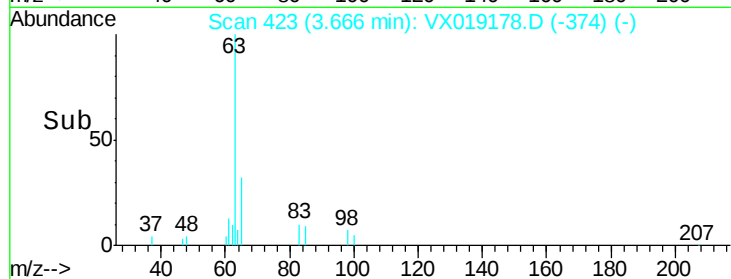
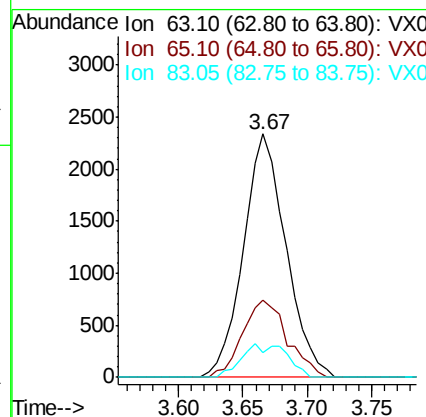
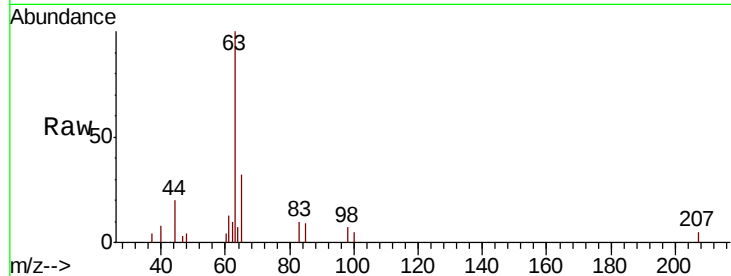




#19
 1,1-Dichloroethane
 Concen: 0.236 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. -0.00 min
 Lab File: VX019178.D
 Acq: 28 Oct 2020 21:41

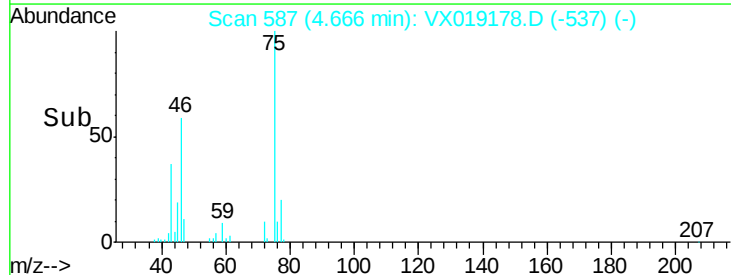
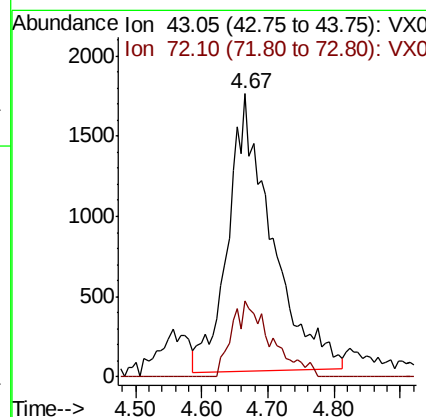
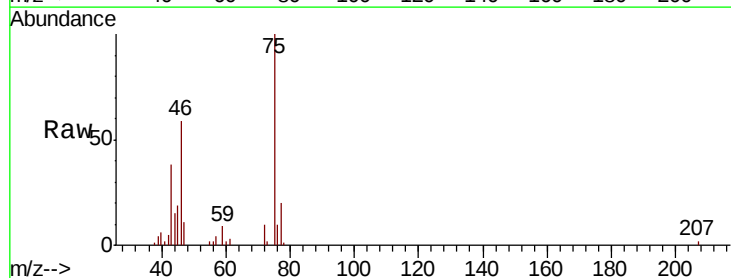
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03

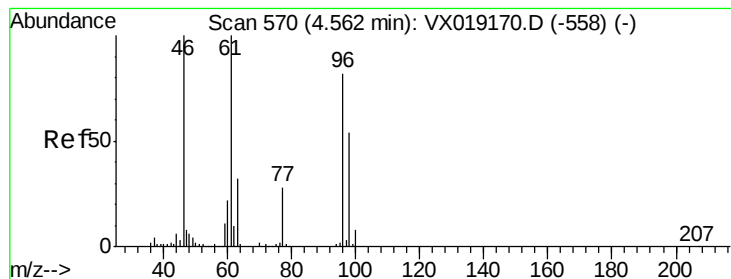
Tot Ion: 63 Resp: 5350
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.5 41.9
 83 10.0 9.7 17.9



#21
 2-Butanone
 Concen: 2.867 ug/L
 RT: 4.67 min Scan# 587
 Delta R.T. 0.01 min
 Lab File: VX019178.D
 Acq: 28 Oct 2020 21:41

Tgt Ion: 43 Resp: 7963
 Ion Ratio Lower Upper
 43 100
 72 24.6 14.4 43.4



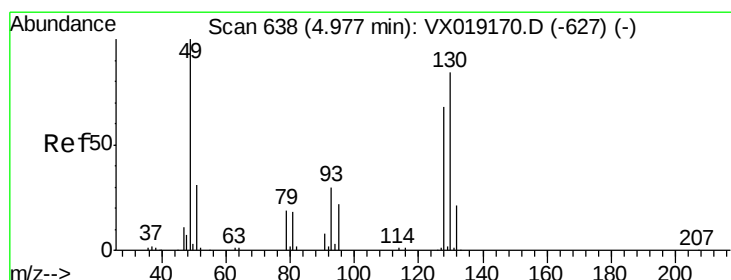
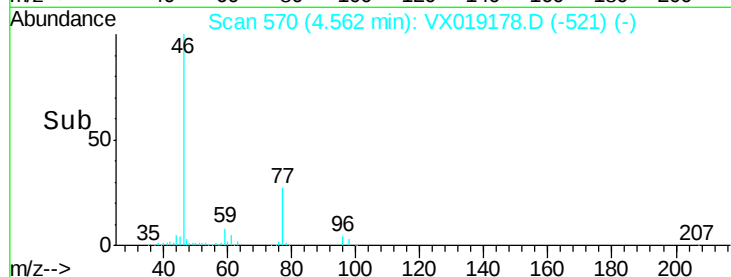
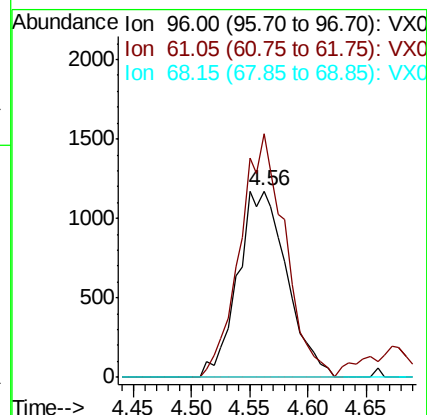
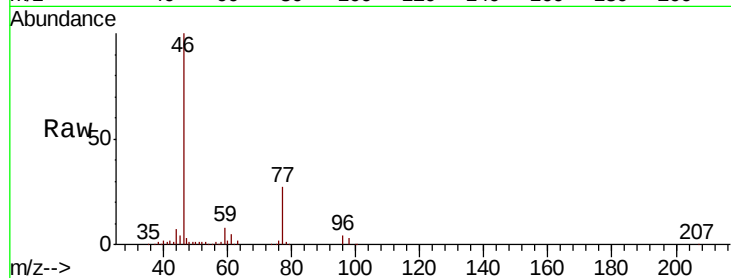


#22

cis-1,2-Dichloroethene
Concen: 0.244 ug/L
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03

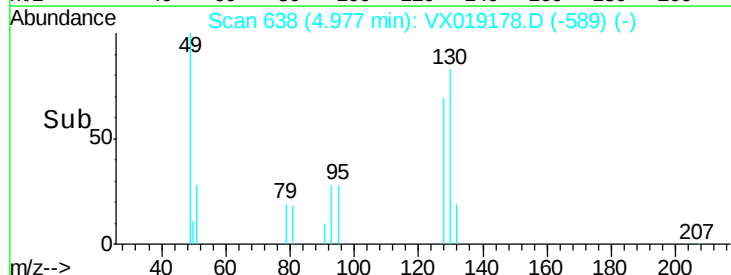
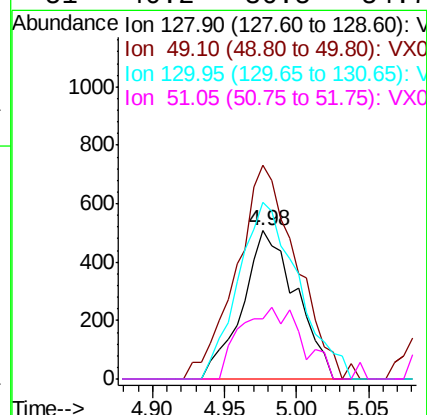
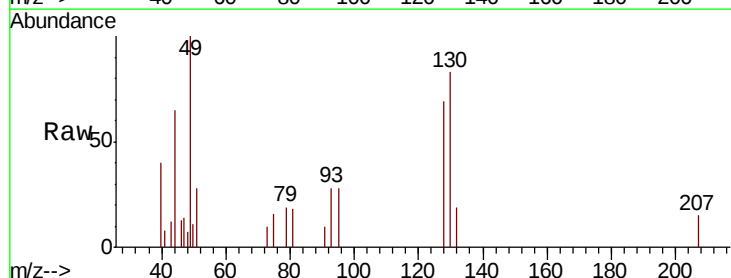
Tot Ion: 96 Resp: 3435
Ion Ratio Lower Upper
96 100
61 130.8 85.7 159.1
68 0.0 0.0 0.0

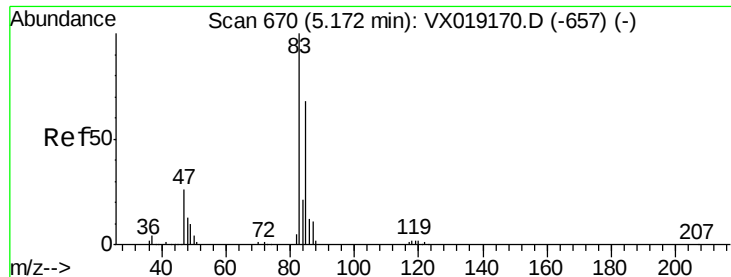


#23

Bromochloromethane
Concen: 0.224 ug/L
RT: 4.98 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Tgt Ion: 128 Resp: 1314
Ion Ratio Lower Upper
128 100
49 143.9 102.8 191.0
130 119.3 86.3 160.3
51 40.2 36.5 54.7

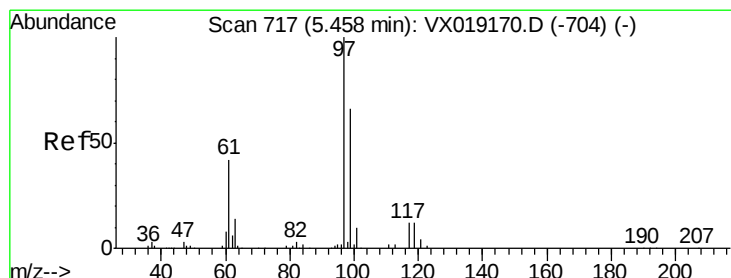
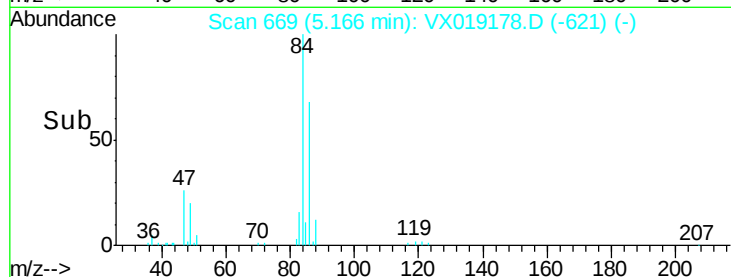
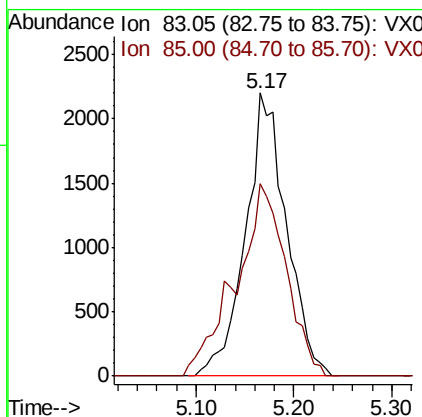
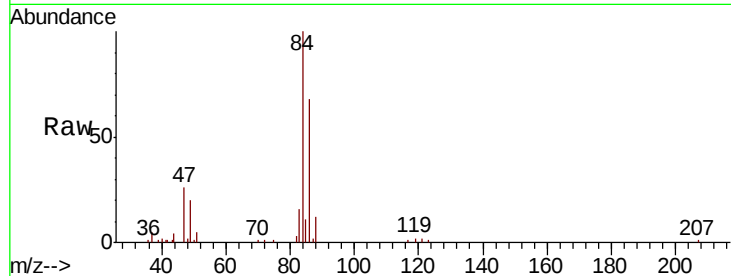




#25
Chloroform
Concen: 0.272 ug/L
RT: 5.17 min Scan# 669
Delta R.T. -0.01 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

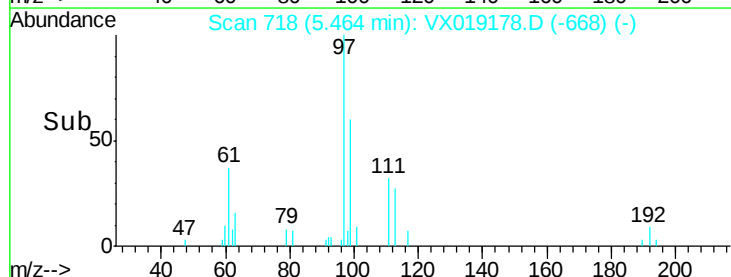
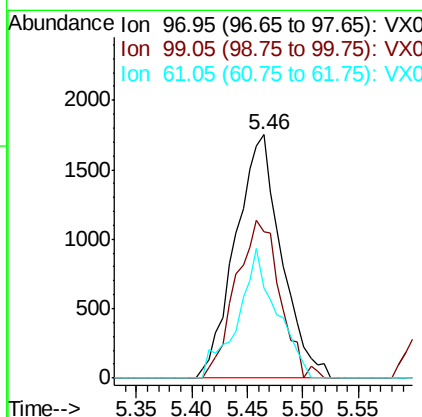
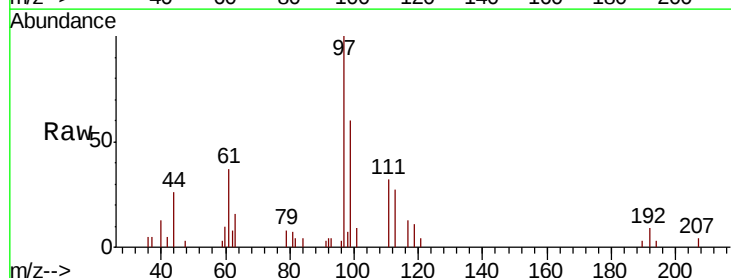
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03

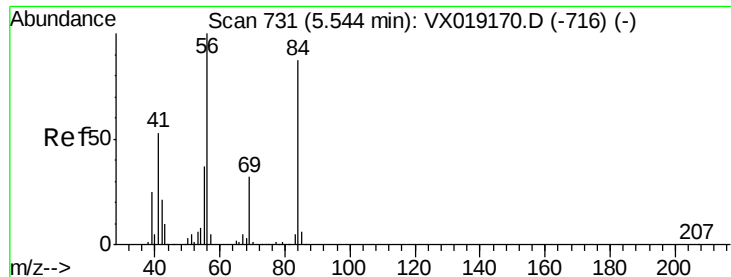
Tot Ion: 83 Resp: 6397
Ion Ratio Lower Upper
83 100
85 67.8 47.6 88.4



#29
1,1,1-Trichloroethane
Concen: 0.234 ug/L
RT: 5.46 min Scan# 718
Delta R.T. 0.01 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Tgt Ion: 97 Resp: 5032
Ion Ratio Lower Upper
97 100
99 62.4 51.8 77.8
61 44.6 34.5 51.7

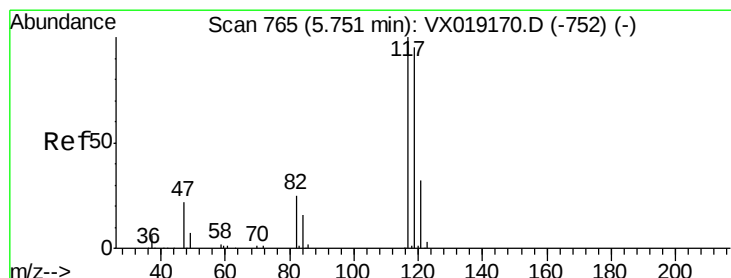
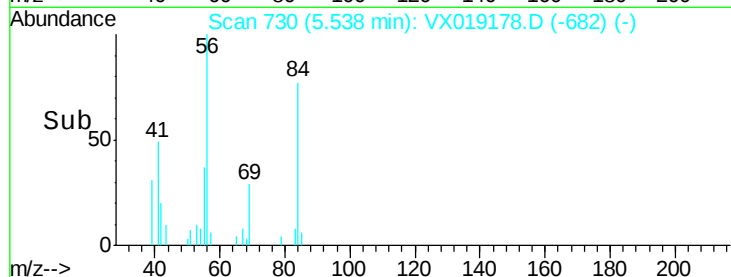
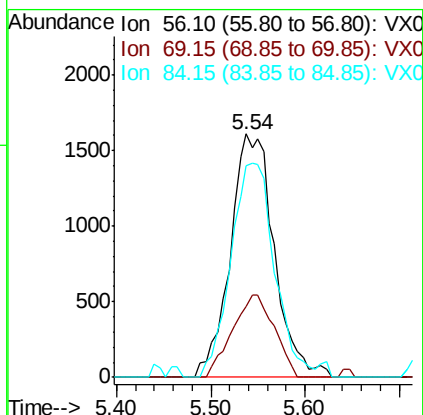
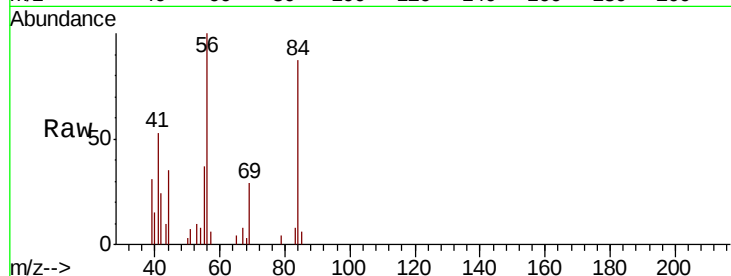




#30
Cyclohexane
Concen: 0.244 ug/L
RT: 5.54 min Scan# 730
Delta R.T. -0.01 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

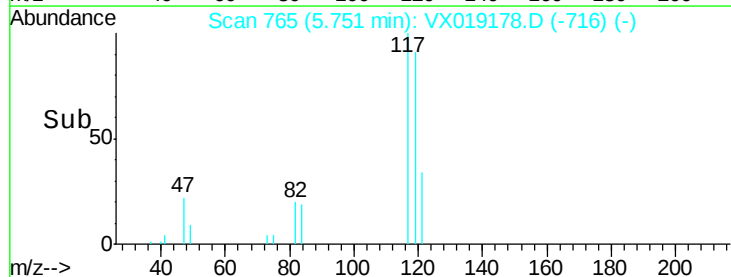
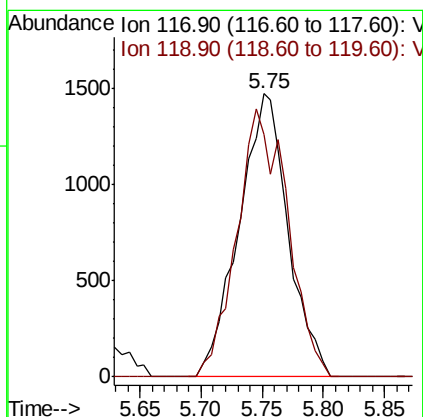
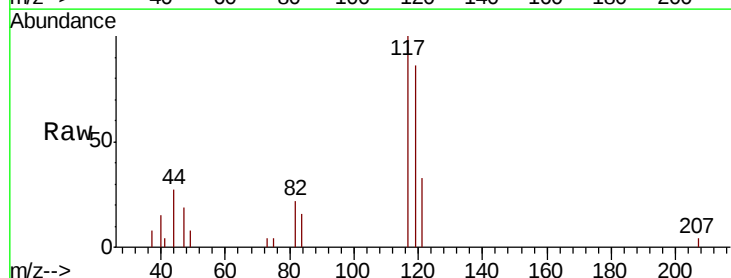
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03

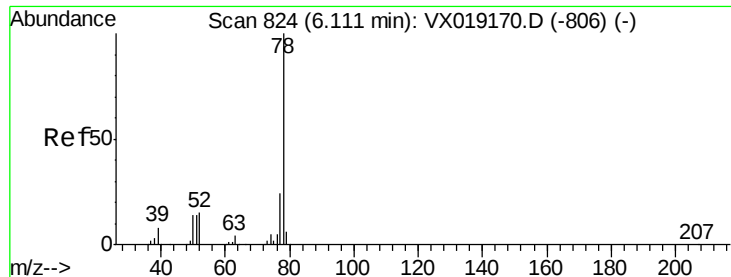
Tot Ion: 56 Resp: 5223
Ion Ratio Lower Upper
56 100
69 32.2 26.2 39.2
84 88.1 74.5 111.7



#31
Carbon tetrachloride
Concen: 0.225 ug/L
RT: 5.75 min Scan# 765
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Tgt Ion: 117 Resp: 4115
Ion Ratio Lower Upper
117 100
119 97.4 77.3 115.9





#33

Benzene

Concen: 0.245 ug/L

RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

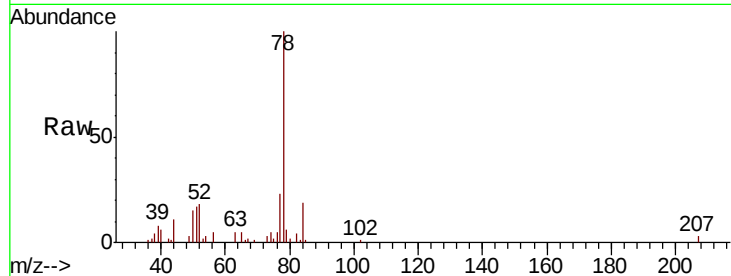
Instrument :

MSVOA_X

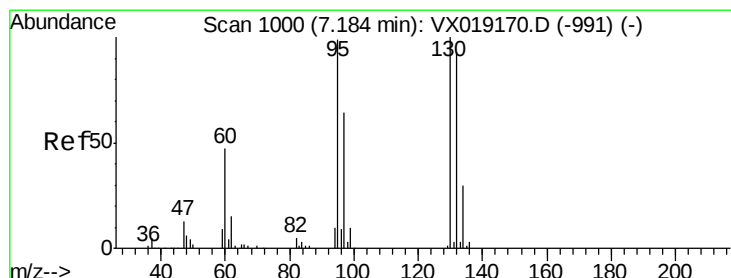
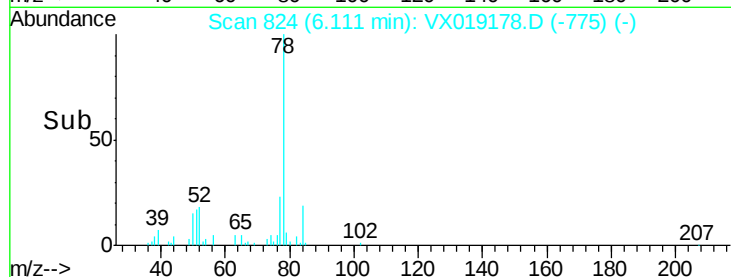
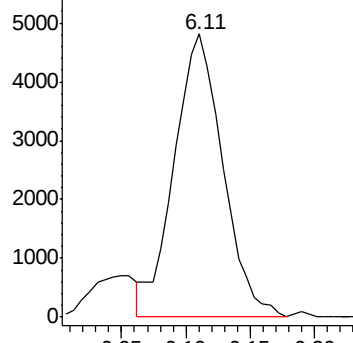
ClientSampleId :

MDL-WATER-03

Tgt Ion: 78 Resp: 12689



Abundance Ion 78.10 (77.80 to 78.80): VX0



#34

Trichloroethene

Concen: 0.236 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Tgt Ion: 95 Resp: 3346

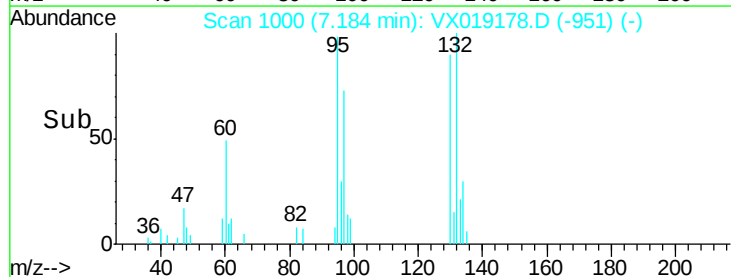
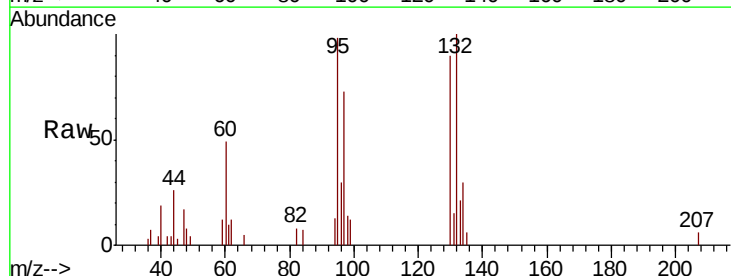
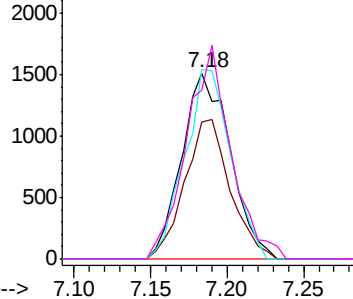
Ion	Ratio	Lower	Upper
95	100		
97	74.1	45.2	84.0
132	102.0	65.3	121.3
130	91.3	70.6	131.0

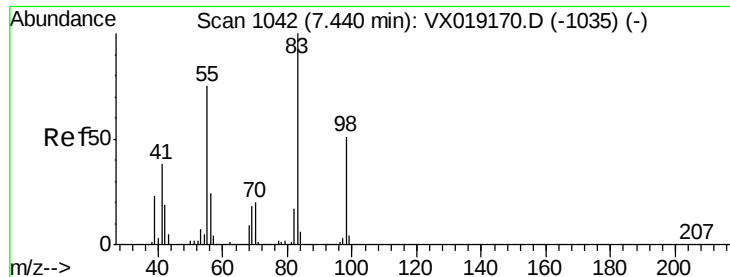
Abundance Ion 95.00 (94.70 to 95.70): VX0

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

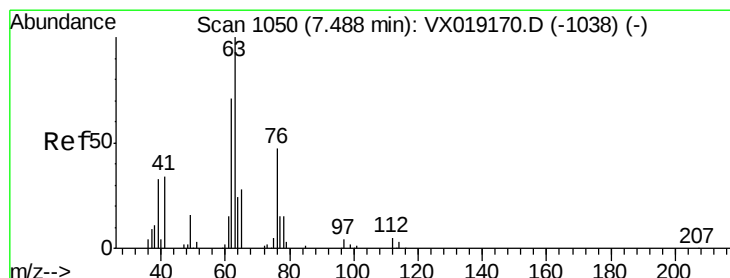
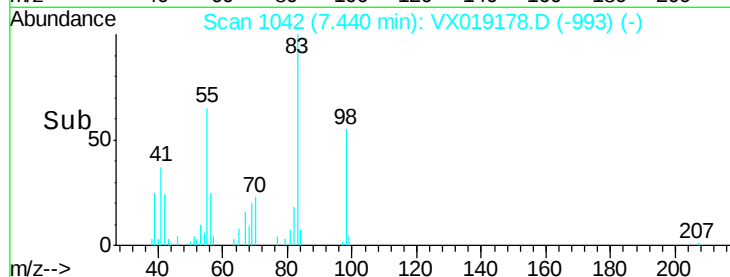
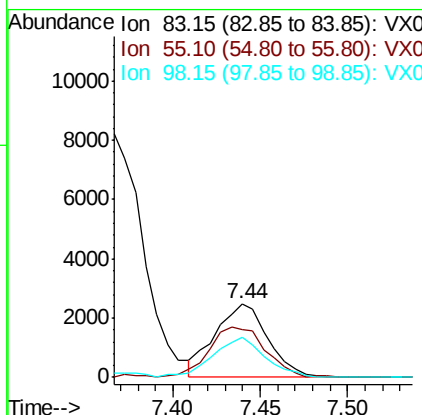
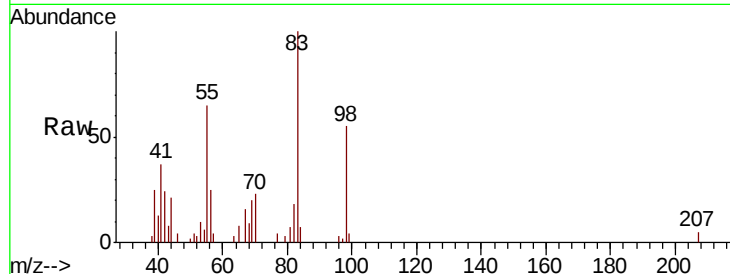




#35
Methvlcvclohexane
Concen: 0.228 ug/L
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

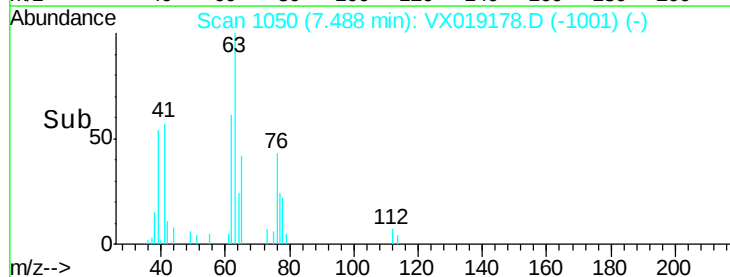
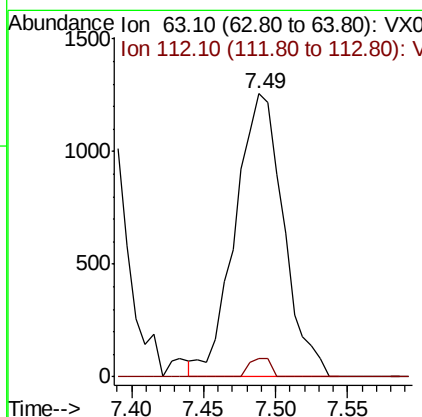
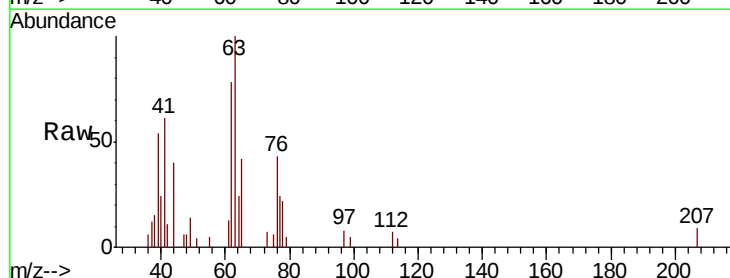
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03

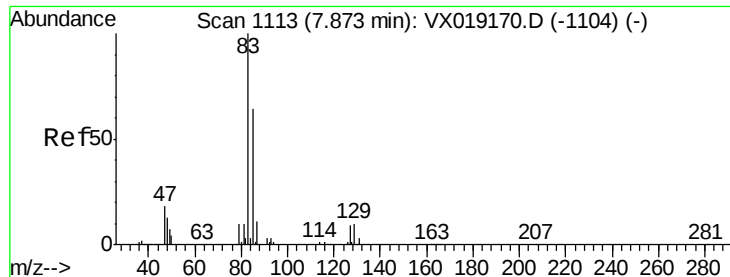
Tot Ion: 83 Resp: 5233
Ion Ratio Lower Upper
83 100
55 73.6 58.5 87.7
98 54.1 40.1 60.1



#37
1,2-Dichloropropane
Concen: 0.239 ug/L
RT: 7.49 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Tgt Ion: 63 Resp: 2921
Ion Ratio Lower Upper
63 100
112 2.8 3.8 5.6#





#38

Bromodichloromethane

Concen: 0.232 ug/L

RT: 7.88 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03

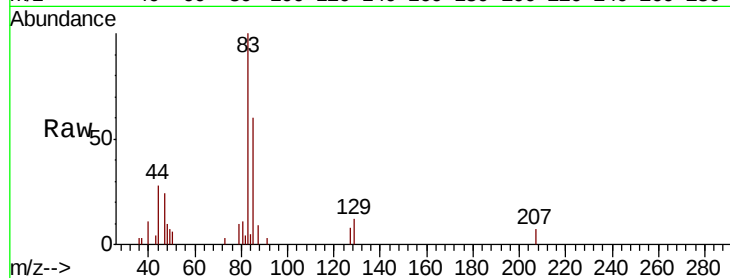
Tot Ion: 83 Resp: 3698

Ion Ratio Lower Upper

83 100

85 59.7 44.4 82.5

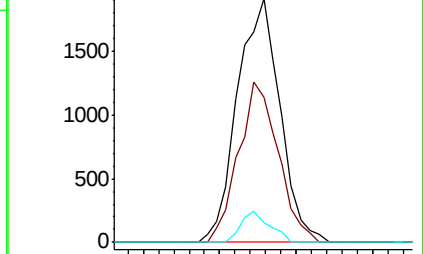
127 8.2 7.2 10.8



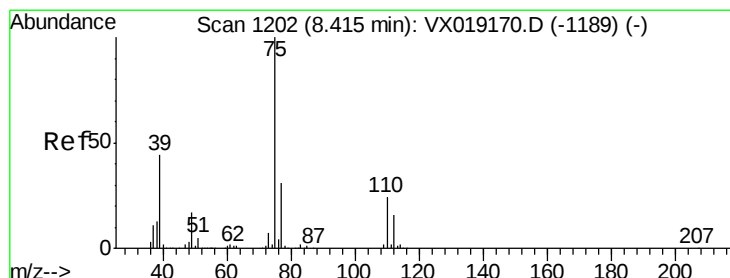
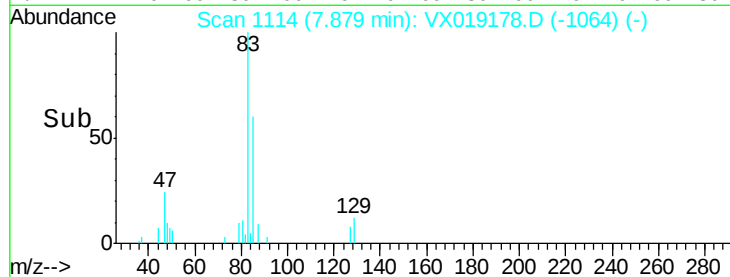
Abundance Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 126.90 (126.60 to 127.60): V



Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.221 ug/L

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX019178.D

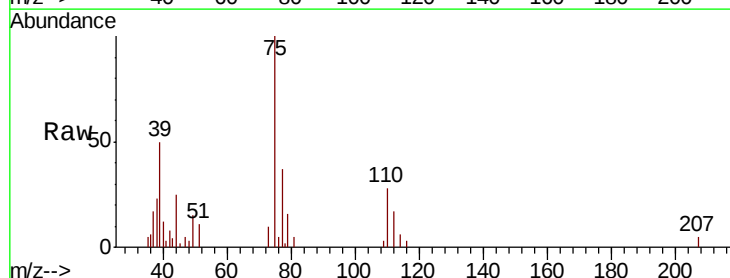
Acq: 28 Oct 2020 21:41

Tgt Ion: 75 Resp: 4144

Ion Ratio Lower Upper

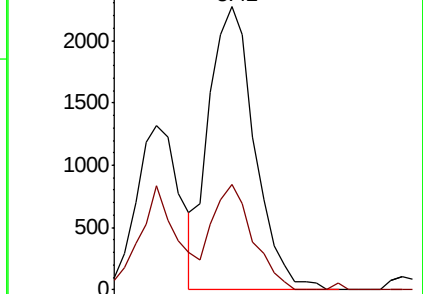
75 100

77 37.3 21.8 40.6

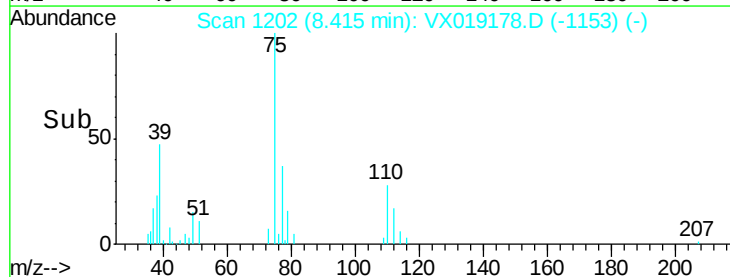


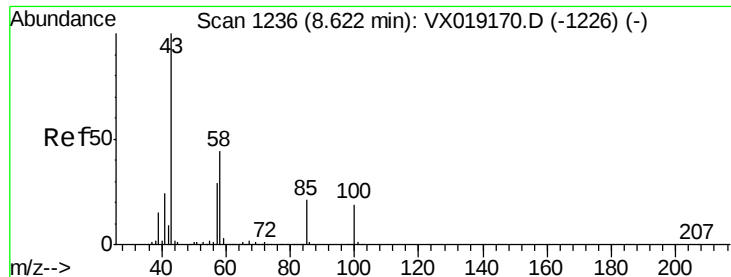
Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0



Time-->

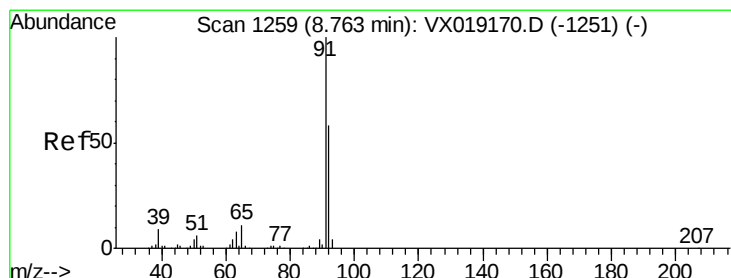
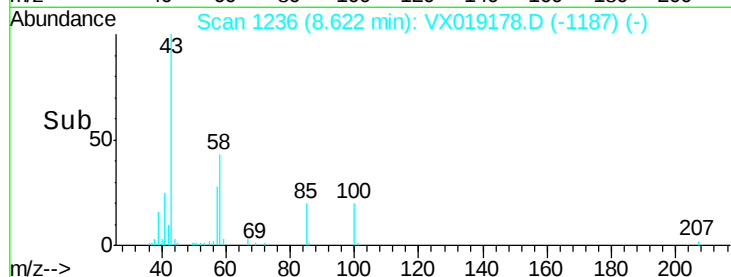
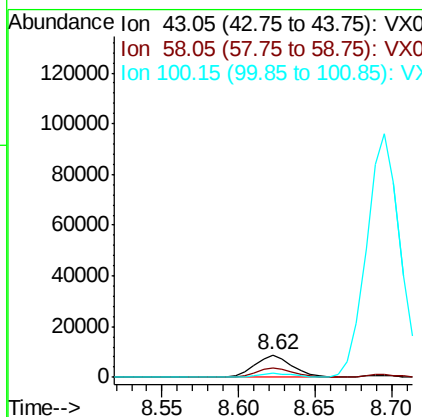
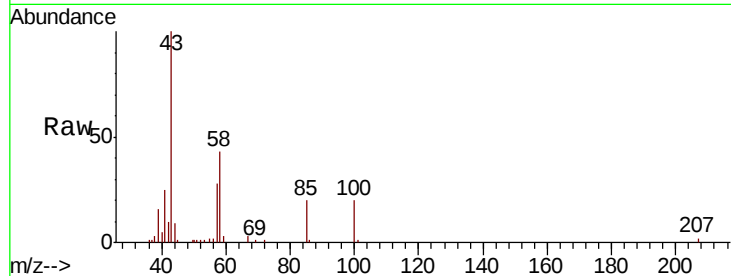




#40
4-Methyl-2-pentanone
Concen: 2.361 ug/L
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

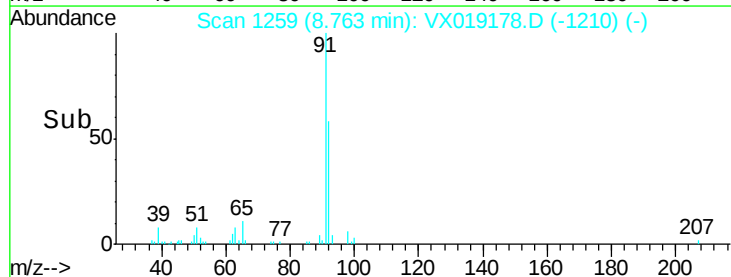
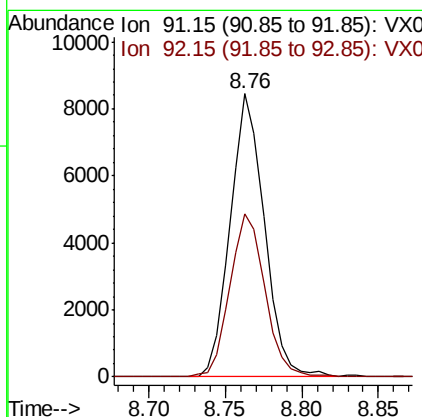
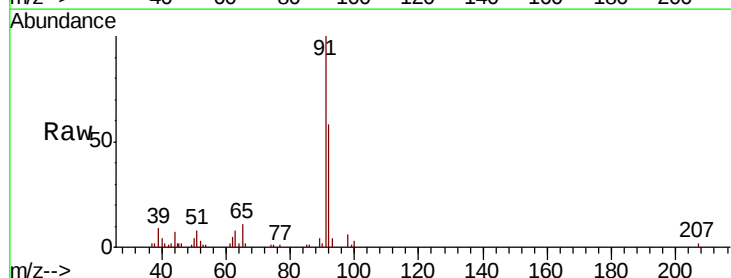
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03

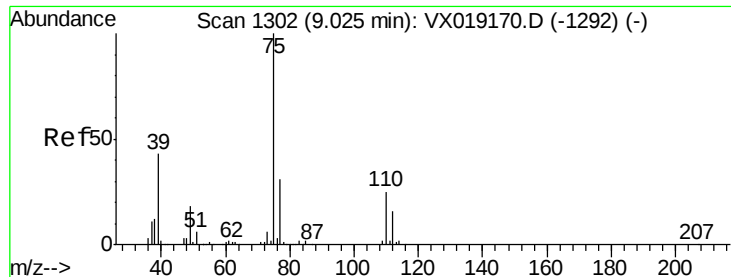
Tot Ion: 43 Resp: 15408
Ion Ratio Lower Upper
43 100
58 42.6 34.1 51.1
100 0.0 15.0 22.4#



#42
Toluene
Concen: 0.233 ug/L
RT: 8.76 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Tgt Ion: 91 Resp: 13071
Ion Ratio Lower Upper
91 100
92 57.7 40.7 75.7





#44

trans-1,3-Dichloropropene

Concen: 0.295 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Instrument :

MSVOA_X

ClientSampled :

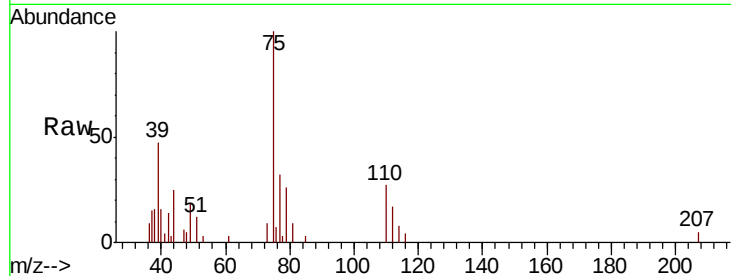
MDL-WATER-03

Tot Ion: 75 Resp: 4642

Ion Ratio Lower Upper

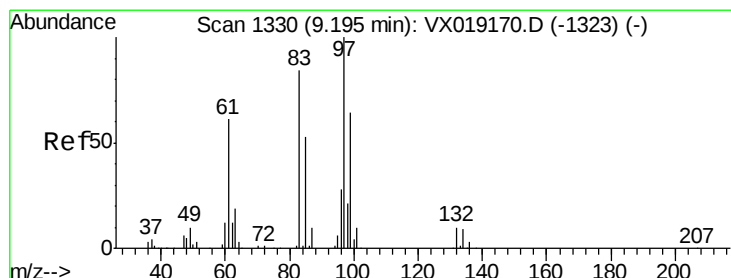
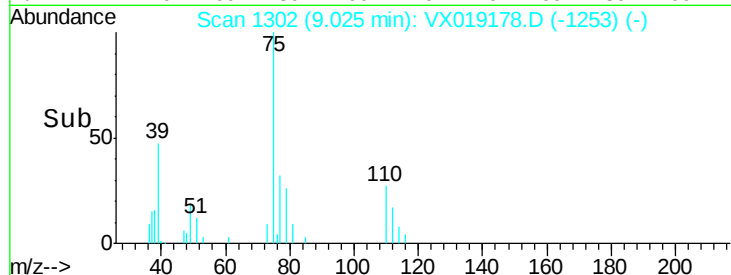
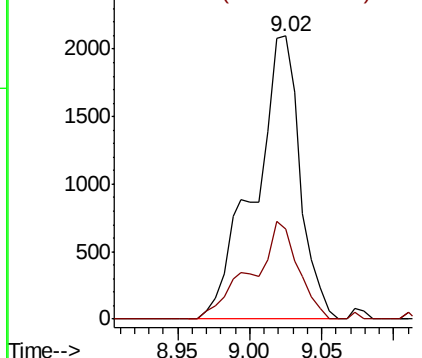
75 100

77 31.7 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0



#45

1,1,2-Trichloroethane

Concen: 0.222 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Tgt Ion: 97 Resp: 1976

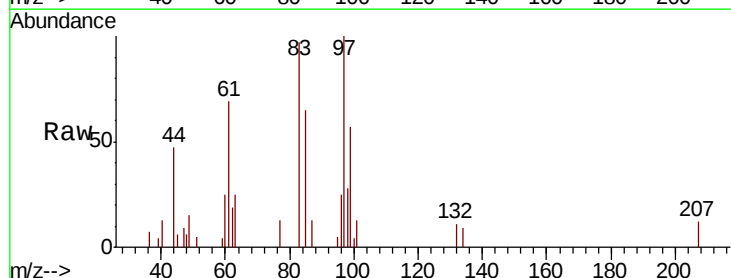
Ion Ratio Lower Upper

97 100

99 57.4 44.8 83.2

83 96.9 59.1 109.7

85 65.3 37.4 69.4

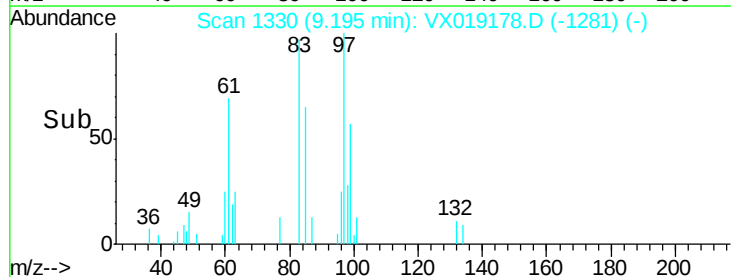
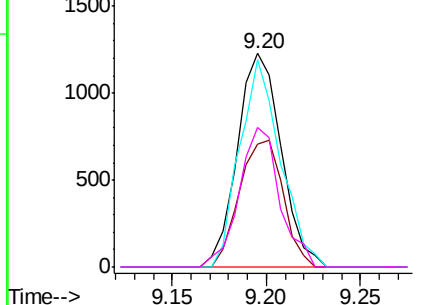


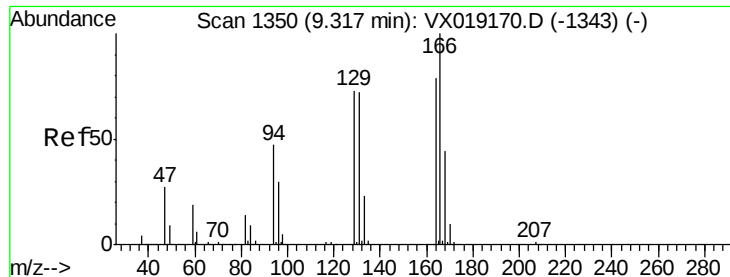
Abundance Ion 96.95 (96.65 to 97.65): VX0

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

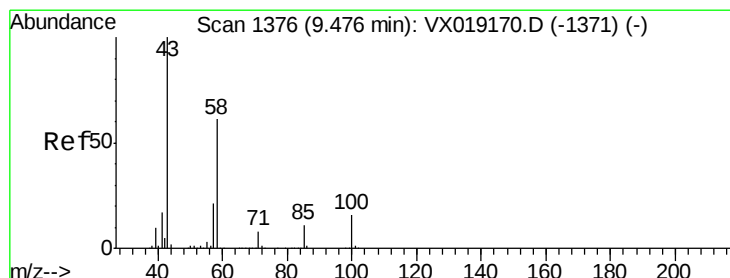
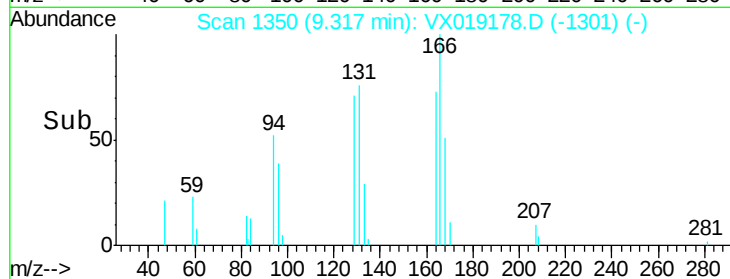
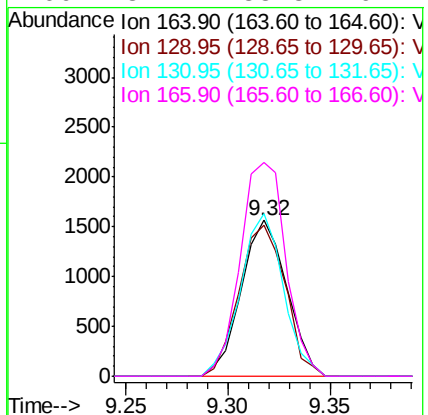
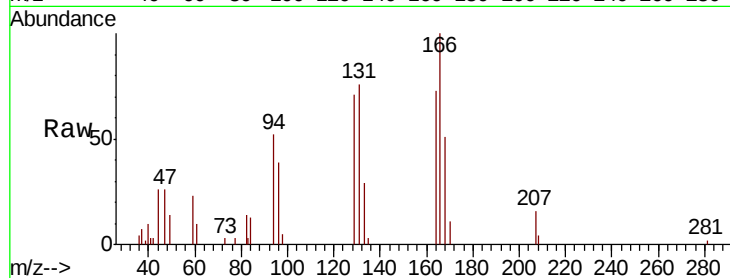




#47
Tetrachloroethene
Concen: 0.225 ug/L
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

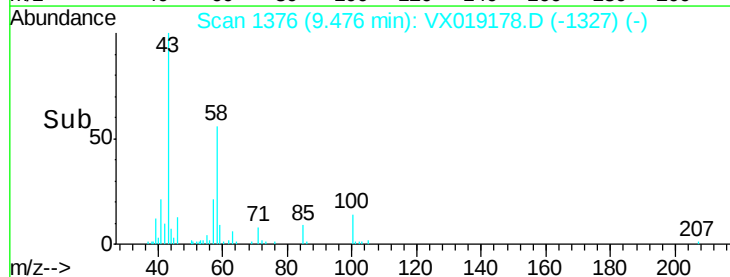
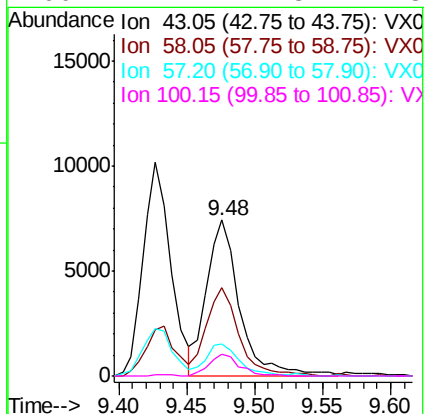
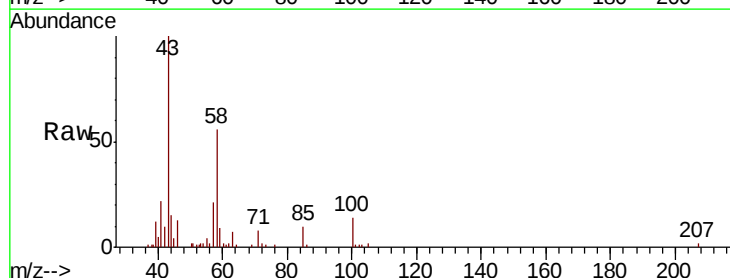
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03

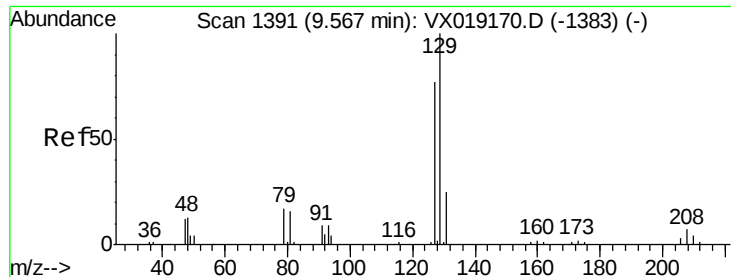
Tot Ion:164 Resp: 2439
Ion Ratio Lower Upper
164 100
129 97.3 64.2 119.2
131 104.7 63.8 118.4
166 137.1 88.3 164.1



#48
2-Hexanone
Concen: 2.757 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Tgt Ion: 43 Resp: 12587
Ion Ratio Lower Upper
43 100
58 55.5 49.3 73.9
57 21.7 17.2 25.8
100 12.7 11.8 17.8





#49

Dibromochloromethane

Concen: 0.216 ug/L

RT: 9.56 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Instrument :

MSVOA_X

ClientSampleId :

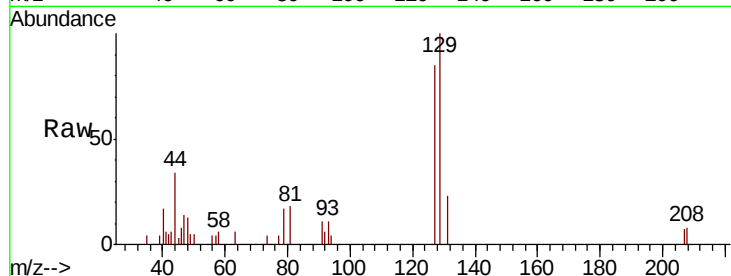
MDL-WATER-03

Tot Ion:129 Resp: 2227

Ion Ratio Lower Upper

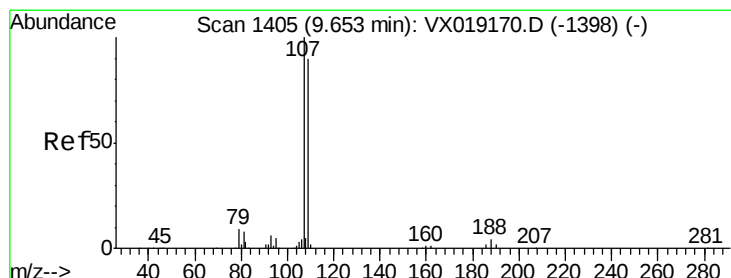
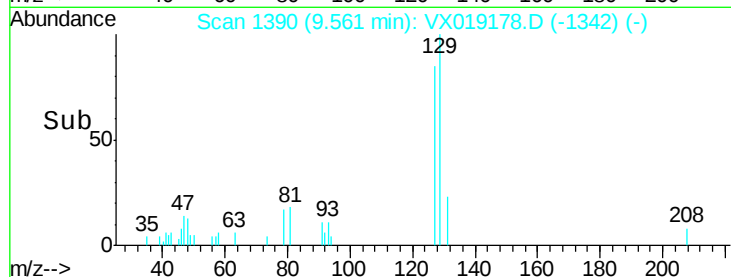
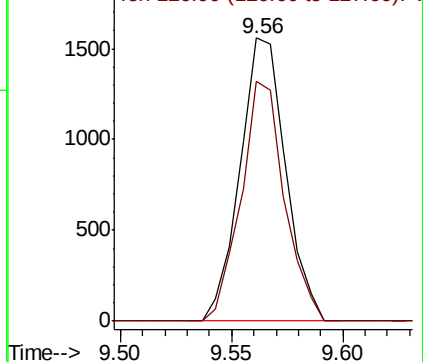
129 100

127 84.5 53.6 99.6



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#50

1,2-Dibromoethane

Concen: 0.216 ug/L

RT: 9.66 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

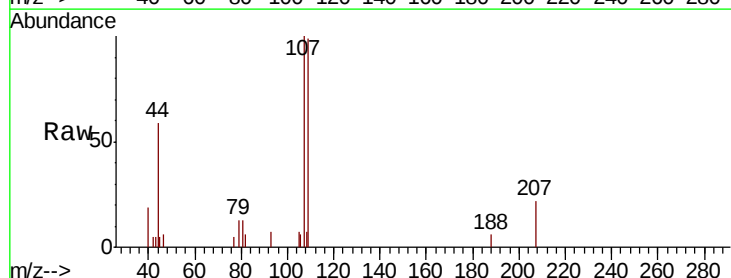
Tgt Ion:107 Resp: 1788

Ion Ratio Lower Upper

107 100

109 98.5 62.9 116.9

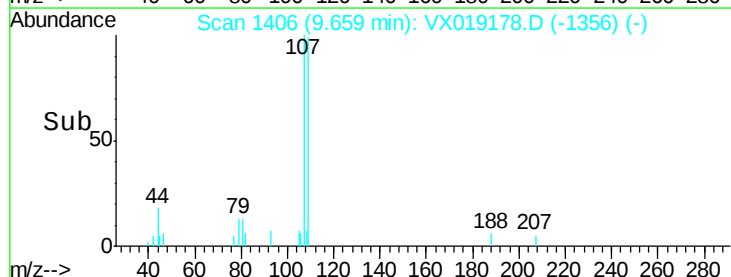
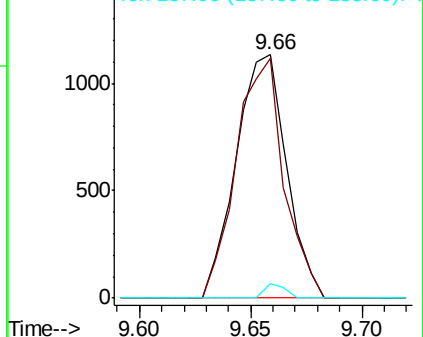
188 5.9 3.0 4.4#

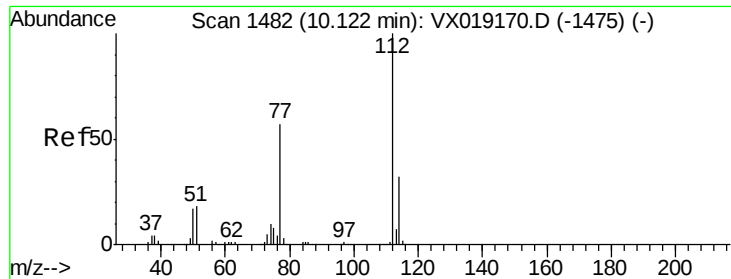


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V





#51

Chlorobenzene

Concen: 0.229 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03

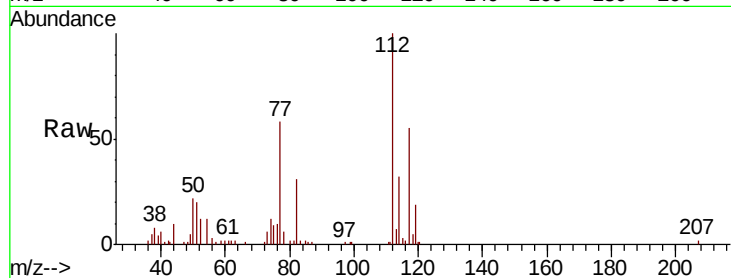
Tot Ion: 112 Resp: 8110

Ion Ratio Lower Upper

112 100

114 32.4 22.5 41.9

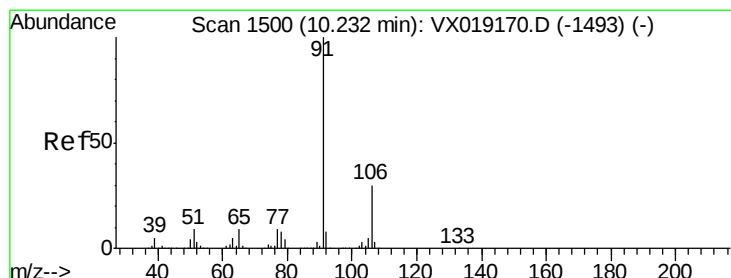
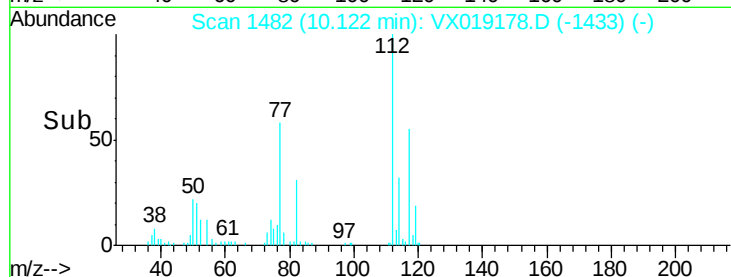
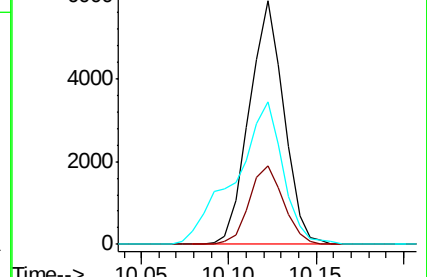
77 58.5 46.2 69.2



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#52

Ethylbenzene

Concen: 0.229 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX019178.D

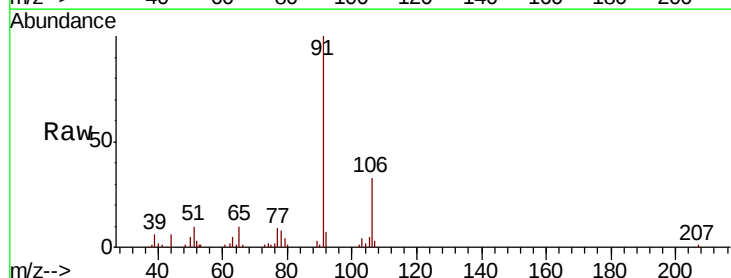
Acq: 28 Oct 2020 21:41

Tgt Ion: 91 Resp: 14331

Ion Ratio Lower Upper

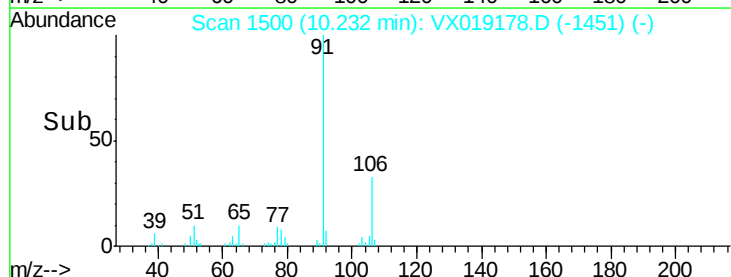
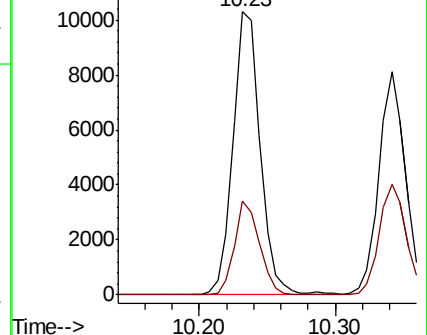
91 100

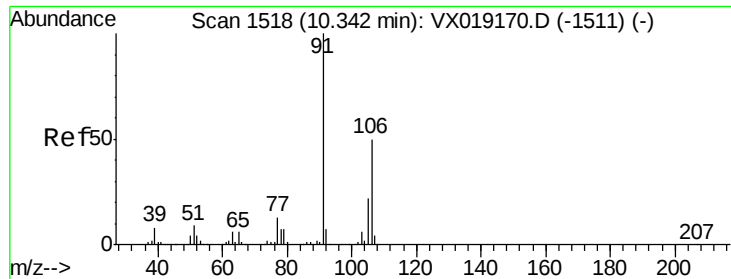
106 33.1 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-xylene

Concen: 0.234 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Instrument :

MSVOA_X

ClientSampleId :

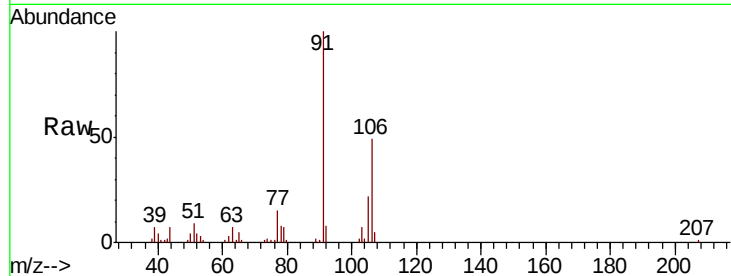
MDL-WATER-03

Tot Ion:106 Resp: 5621

Ion Ratio Lower Upper

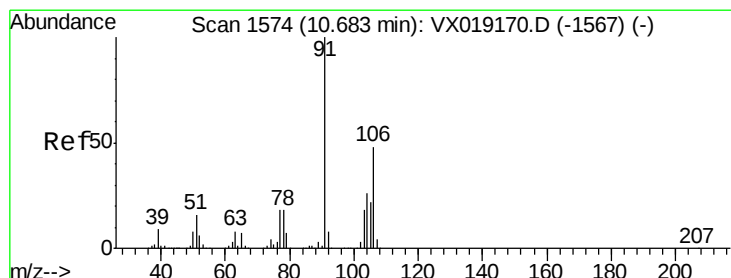
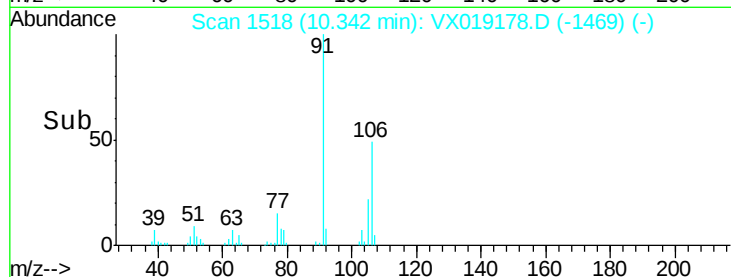
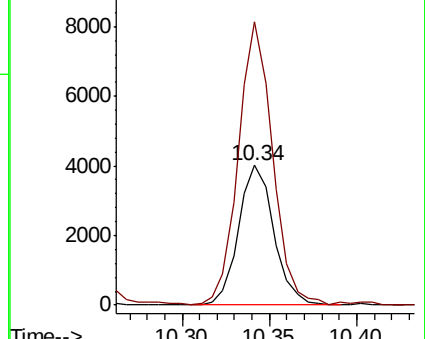
106 100

91 202.8 141.5 262.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#54

o-xylene

Concen: 0.219 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX019178.D

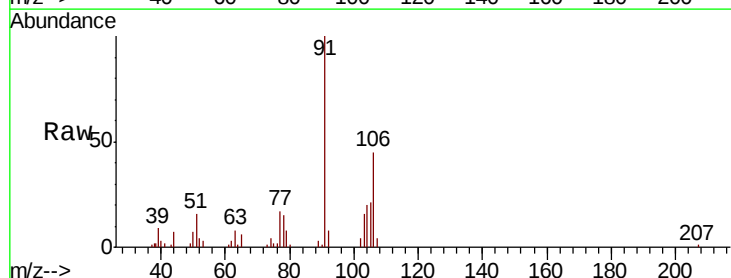
Acq: 28 Oct 2020 21:41

Tgt Ion:106 Resp: 5037

Ion Ratio Lower Upper

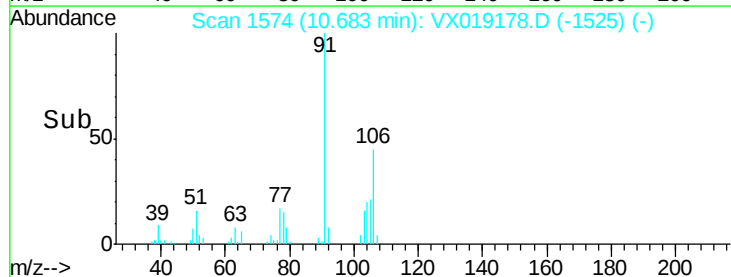
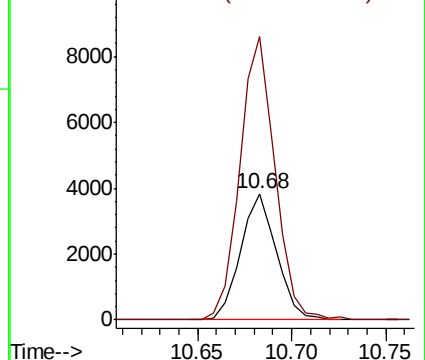
106 100

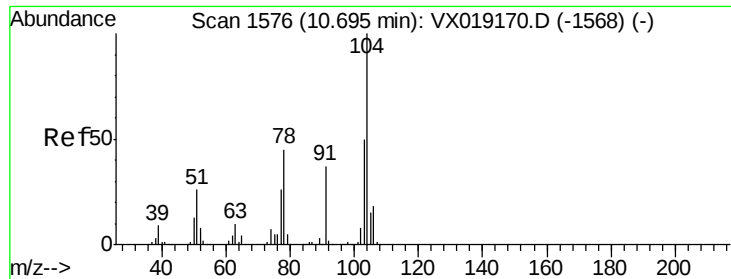
91 224.6 145.9 271.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#55

Stvrene

Concen: 0.203 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Instrument :

MSVOA_X

ClientSampleId :

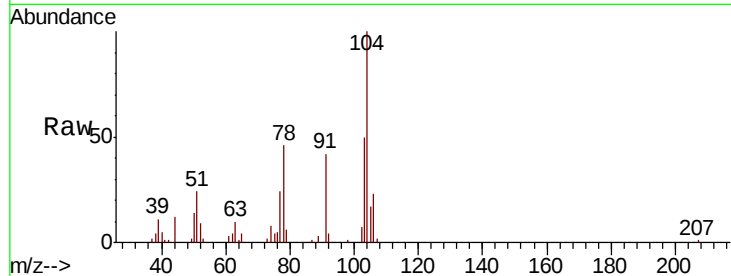
MDL-WATER-03

Tot Ion:104 Resp: 7643

Ion Ratio Lower Upper

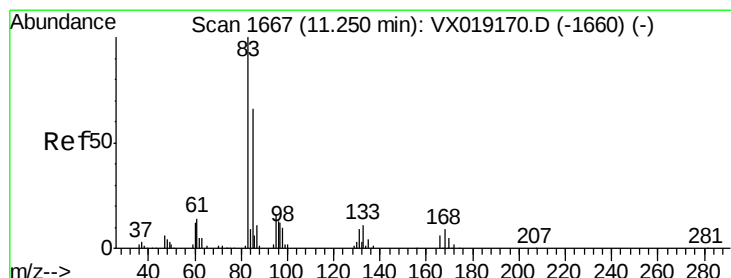
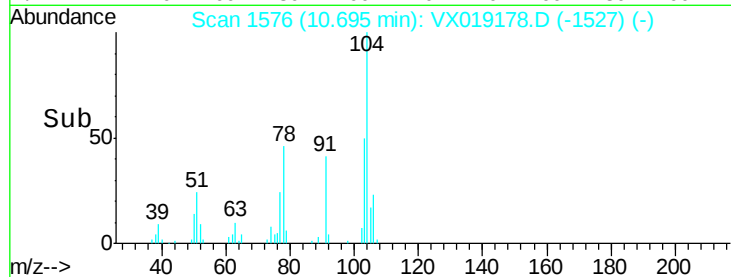
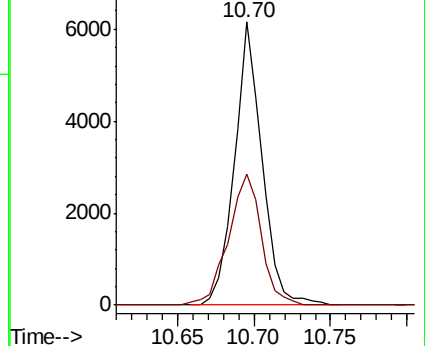
104 100

78 46.2 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VX0



#57

1,1,2,2-Tetrachloroethane

Concen: 0.258 ug/L

RT: 11.26 min Scan# 1668

Delta R.T. 0.01 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

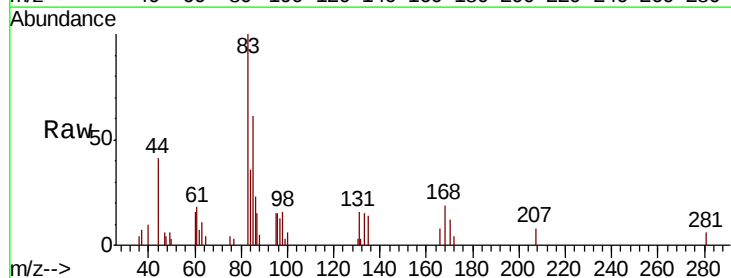
Tgt Ion: 83 Resp: 2625

Ion Ratio Lower Upper

83 100

85 61.0 46.0 85.4

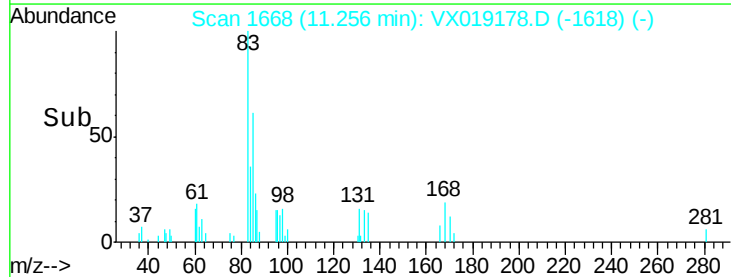
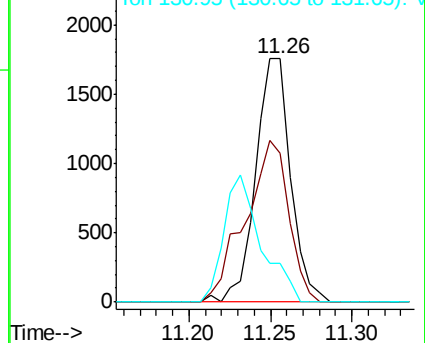
131 16.1 7.7 11.5#

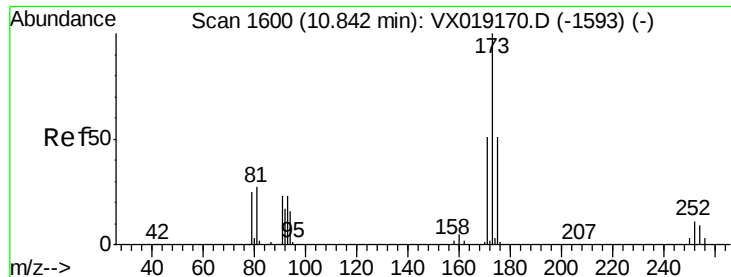


Abundance Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 130.95 (130.65 to 131.65): V





#59

Bromoform

Concen: 0.214 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03

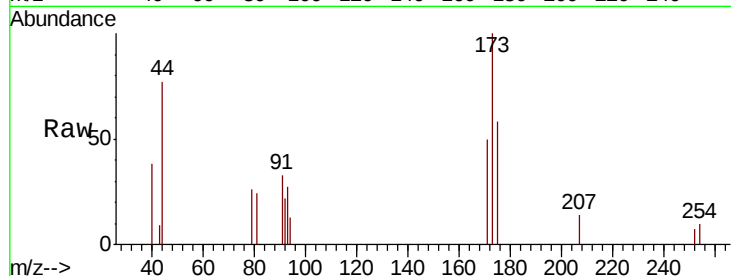
Tot Ion:173 Resp: 1104

Ion Ratio Lower Upper

173 100

175 49.1 38.6 57.8

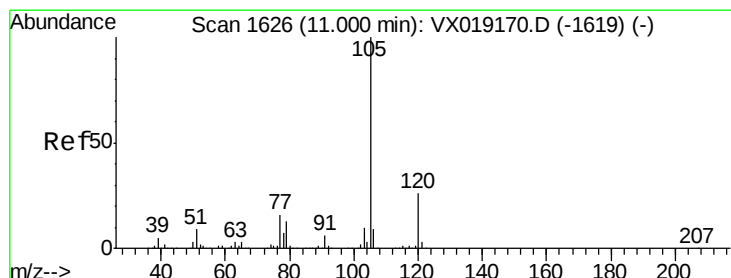
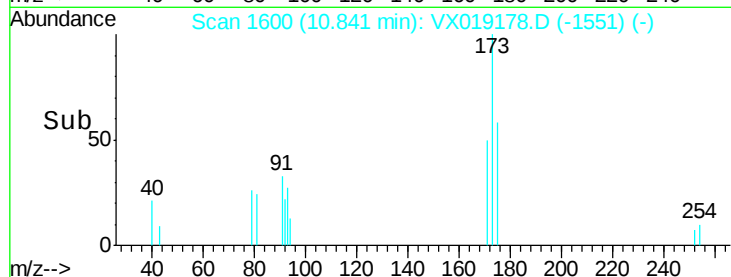
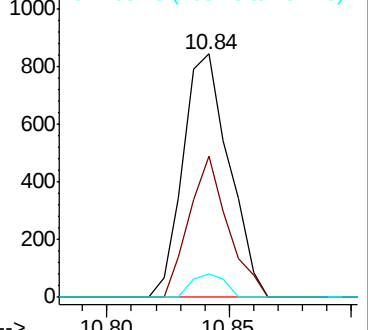
254 7.0 7.4 11.0#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#60

Isopropylbenzene

Concen: 0.232 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

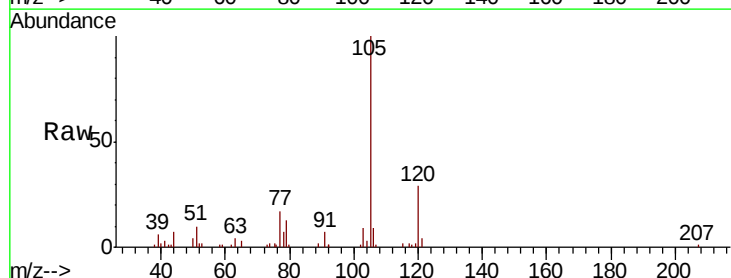
Tgt Ion:105 Resp: 13380

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.2

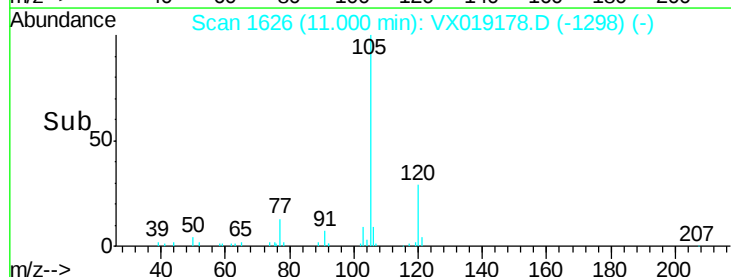
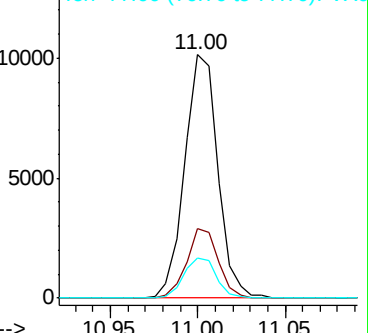
77 16.2 12.9 19.3

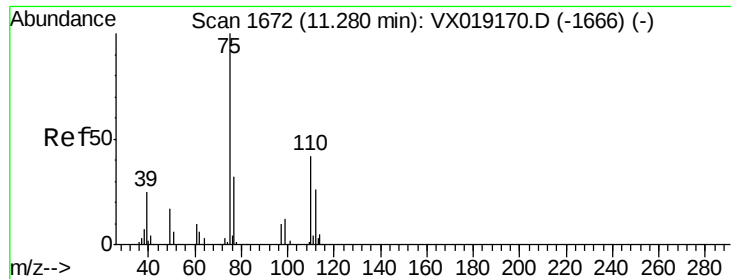


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

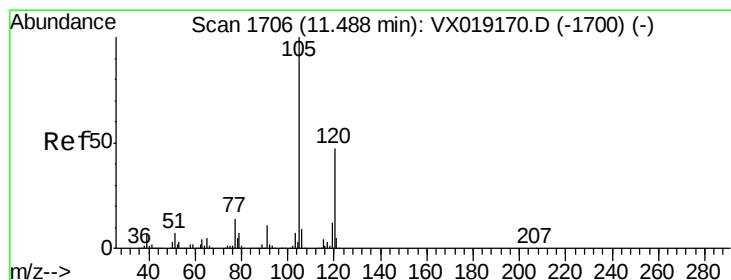
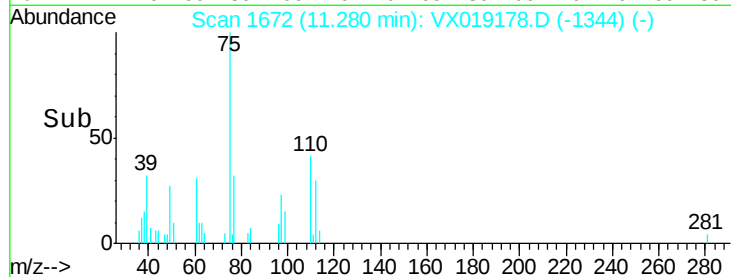
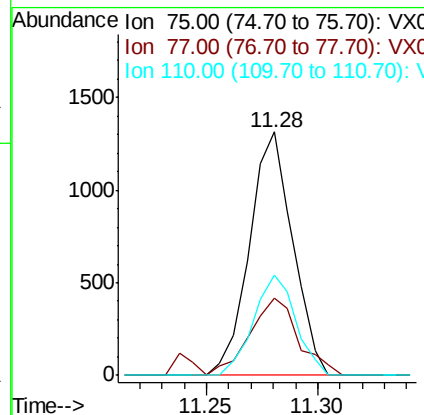
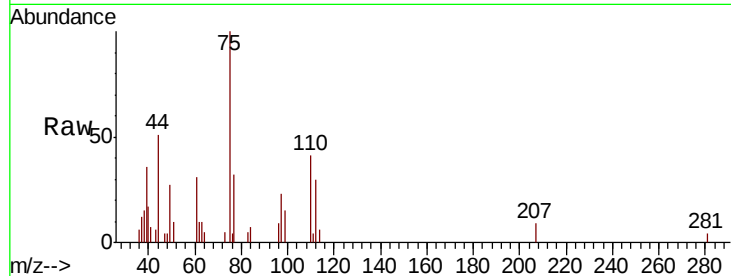




#61
 1,2,3-Trichloropropane
 Concen: 0.252 ug/L
 RT: 11.28 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VX019178.D
 Acq: 28 Oct 2020 21:41

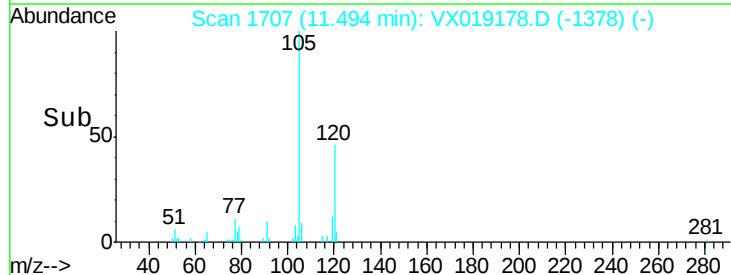
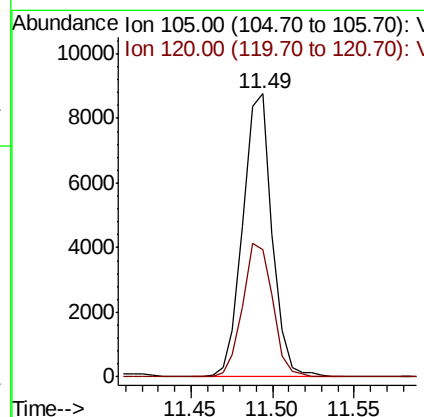
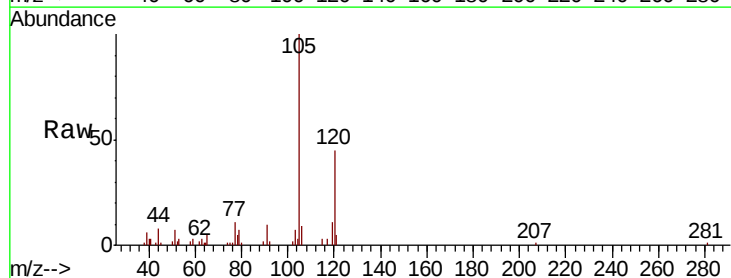
Instrument :
 MSVOA_X
 ClientSampled :
 MDL-WATER-03

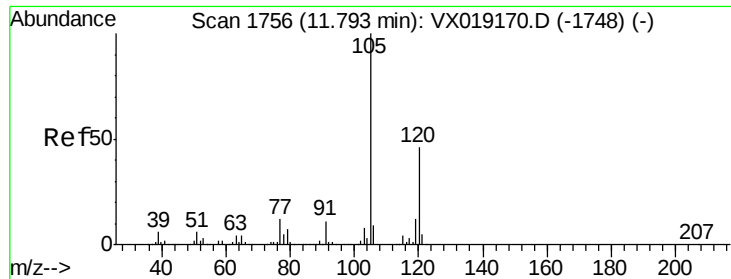
Tot Ion: 75 Resp: 1776
 Ion Ratio Lower Upper
 75 100
 77 35.9 25.6 38.4
 110 40.5 32.4 48.6



#62
 1,3,5-Trimethylbenzene
 Concen: 0.228 ug/L
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.01 min
 Lab File: VX019178.D
 Acq: 28 Oct 2020 21:41

Tgt Ion:105 Resp: 10986
 Ion Ratio Lower Upper
 105 100
 120 48.5 38.9 58.3

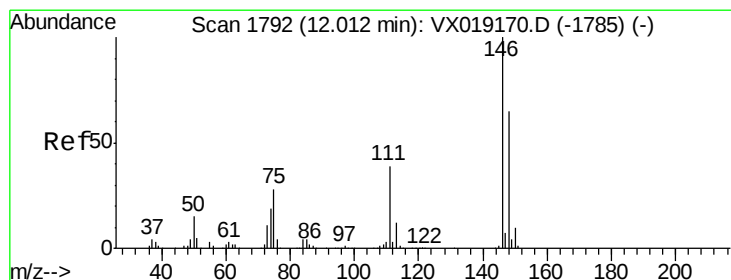
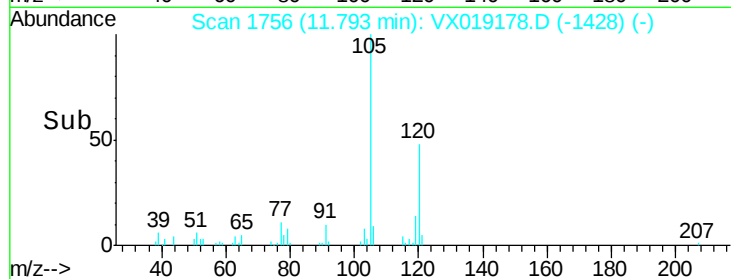
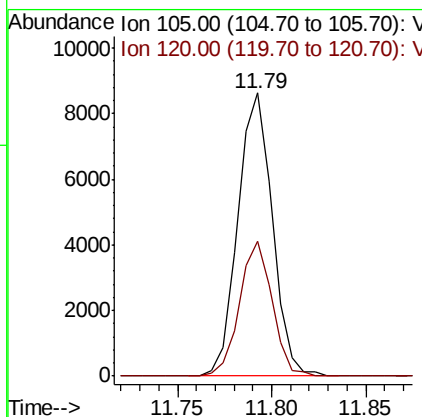
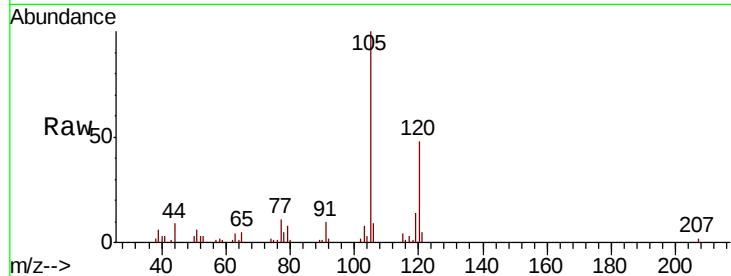




#63
 1,2,4-Trimethylbenzene
 Concen: 0.223 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX019178.D
 Acq: 28 Oct 2020 21:41

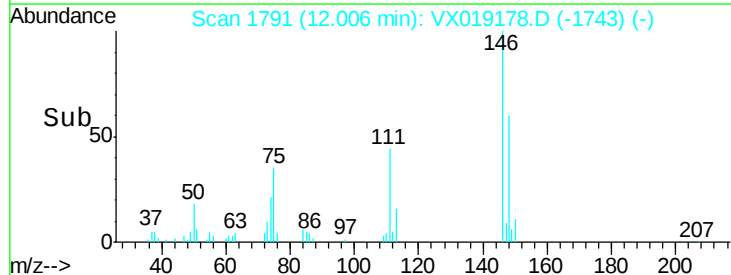
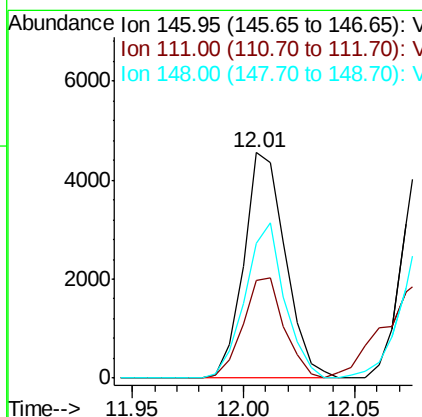
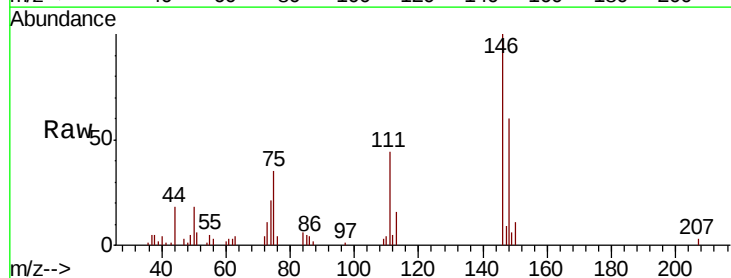
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03

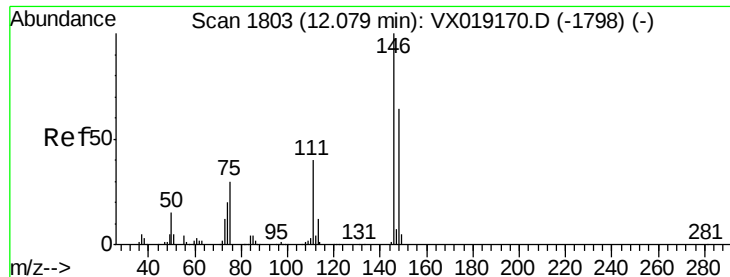
Tot Ion:105 Resp: 10921
 Ion Ratio Lower Upper
 105 100
 120 45.1 36.1 54.1



#64
 1,3-Dichlorobenzene
 Concen: 0.232 ug/L
 RT: 12.01 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: VX019178.D
 Acq: 28 Oct 2020 21:41

Tgt Ion:146 Resp: 5931
 Ion Ratio Lower Upper
 146 100
 111 43.6 27.3 50.7
 148 60.2 45.4 84.2

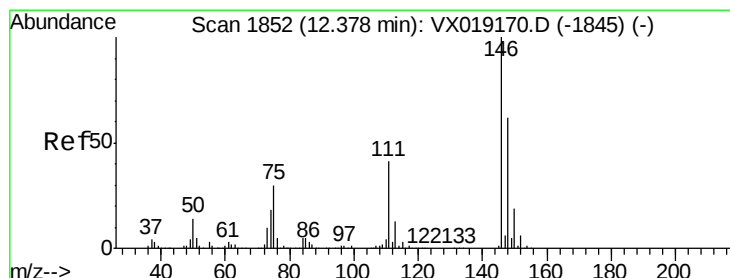
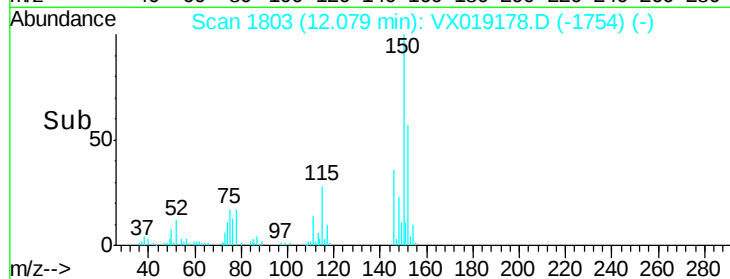
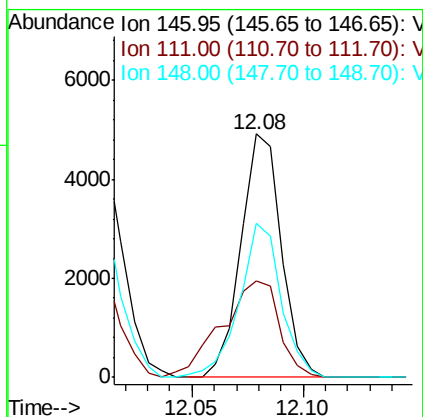
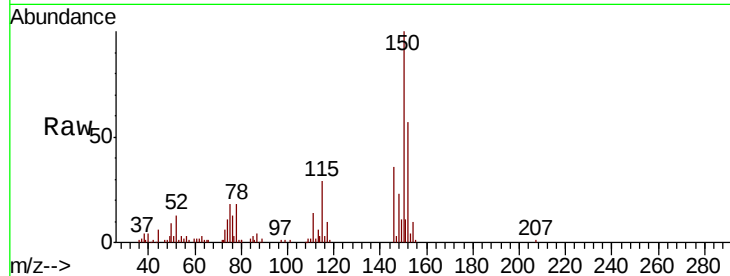




#65
 1,4-Dichlorobenzene
 Concen: 0.243 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX019178.D
 Acq: 28 Oct 2020 21:41

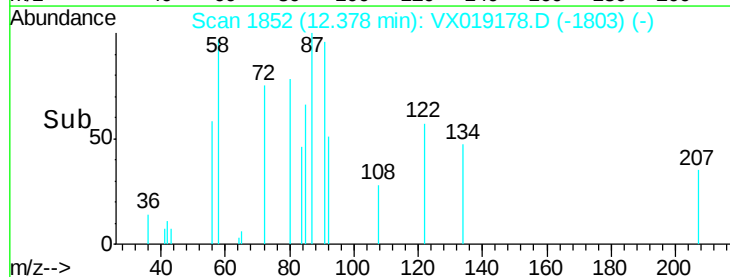
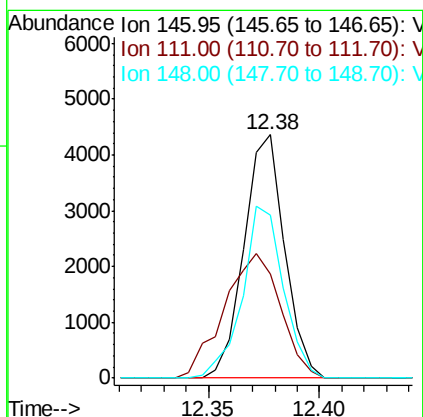
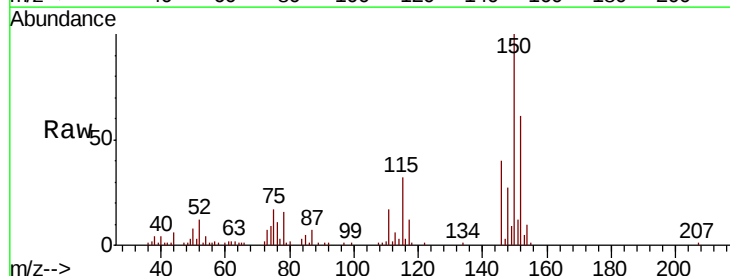
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03

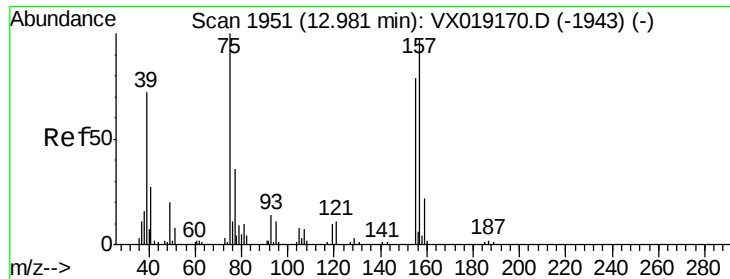
Tot Ion:146 Resp: 6228
 Ion Ratio Lower Upper
 146 100
 111 39.5 28.1 52.3
 148 63.1 44.5 82.7



#67
 1,2-Dichlorobenzene
 Concen: 0.235 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX019178.D
 Acq: 28 Oct 2020 21:41

Tgt Ion:146 Resp: 5543
 Ion Ratio Lower Upper
 146 100
 111 42.5 32.6 49.0
 148 67.1 49.4 74.2





#68

1,2-Dibromo-3-chloropropane

Concen: 0.245 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03

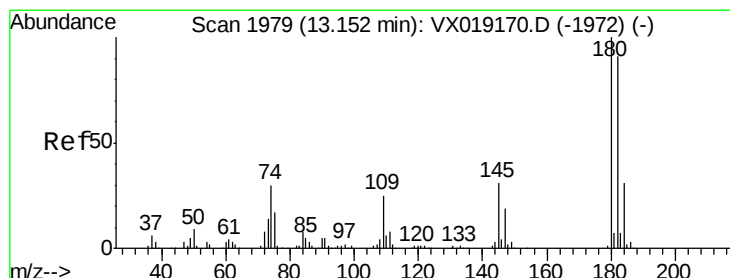
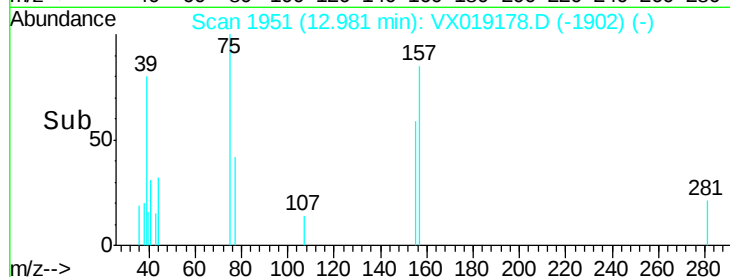
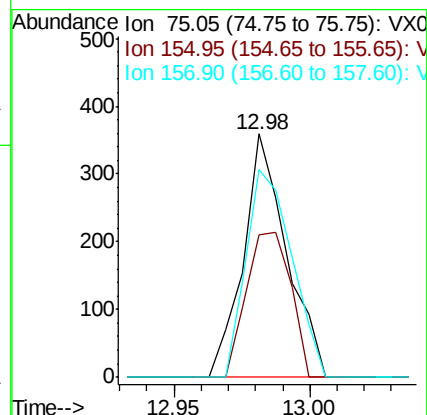
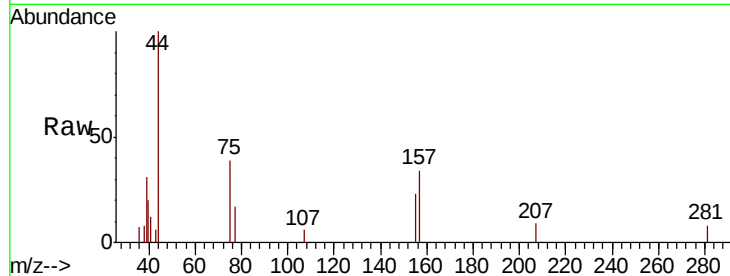
Tot Ion: 75 Resp: 395

Ion Ratio Lower Upper

75 100

155 58.8 62.9 94.3#

157 85.2 77.5 116.3



#69

1,3,5-Trichlorobenzene

Concen: 0.230 ug/L

RT: 13.15 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Tgt Ion: 180 Resp: 4317

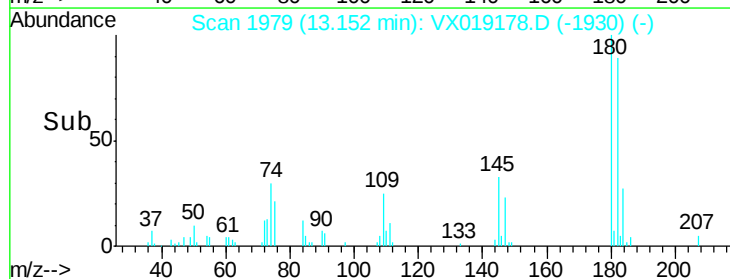
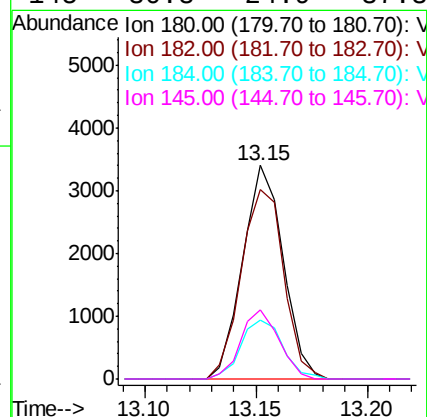
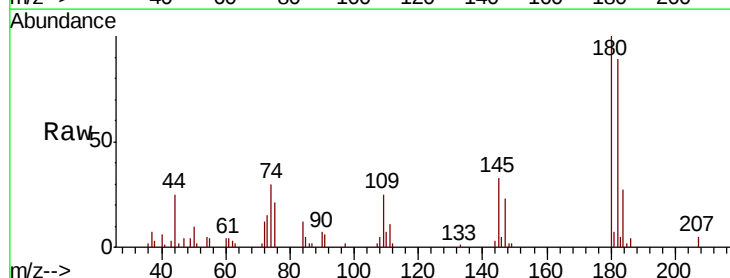
Ion Ratio Lower Upper

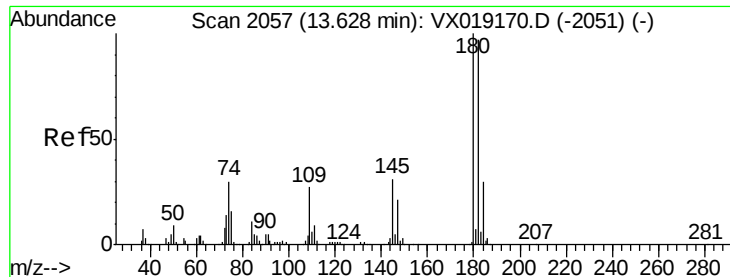
180 100

182 93.6 74.1 111.1

184 29.0 24.4 36.6

145 30.8 24.9 37.3

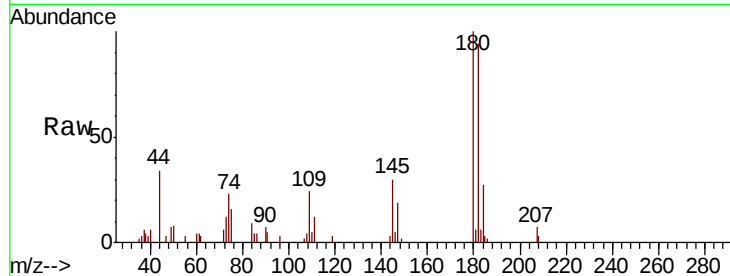




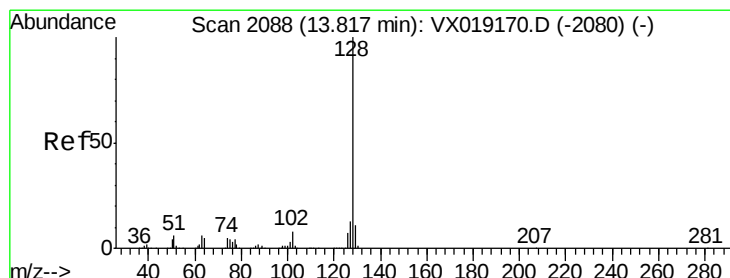
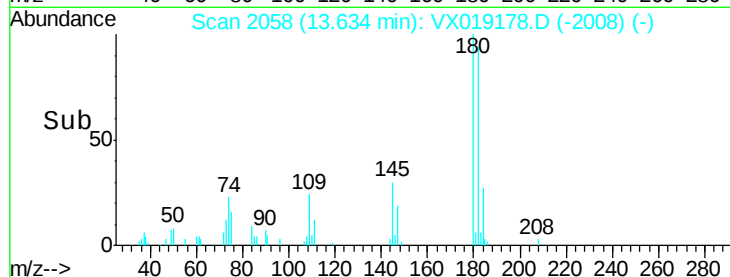
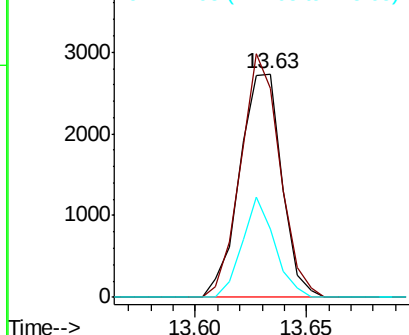
#70
 1,2,4-trichlorobenzene
 Concen: 0.220 ug/L
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX019178.D
 Acq: 28 Oct 2020 21:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03

Tot Ion:180 Resp: 3609
 Ion Ratio Lower Upper
 180 100
 182 101.5 77.8 116.6
 145 34.4 25.0 37.4

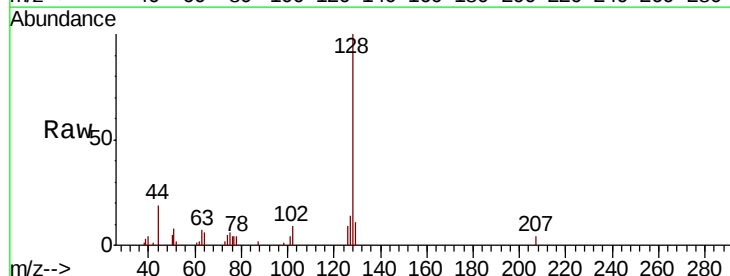


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

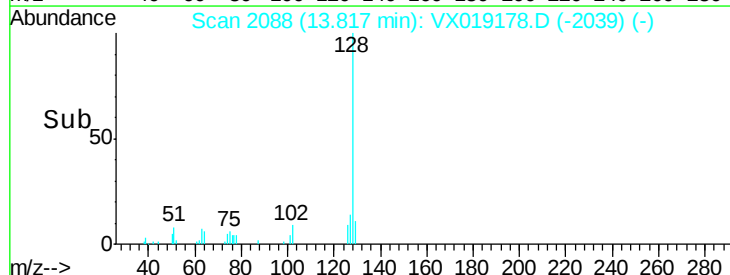
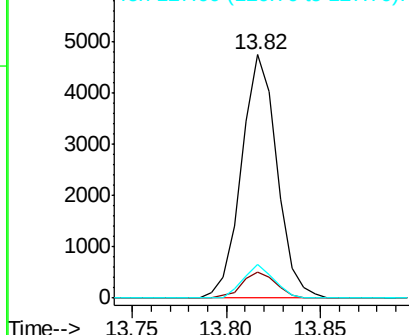


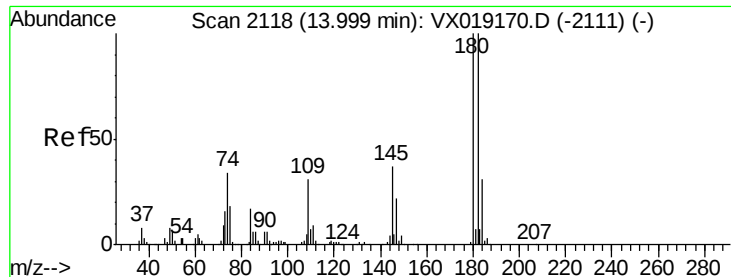
#71
 Naphthalene
 Concen: 0.210 ug/L
 RT: 13.82 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VX019178.D
 Acq: 28 Oct 2020 21:41

Tgt Ion:128 Resp: 6207
 Ion Ratio Lower Upper
 128 100
 129 10.2 8.6 13.0
 127 11.9 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: 0.240 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03

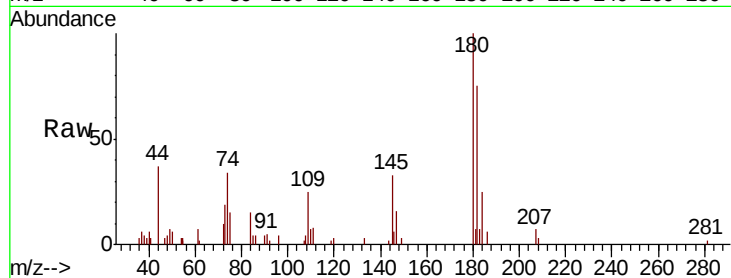
Tot Ion:180 Resp: 3481

Ion Ratio Lower Upper

180 100

182 90.2 77.0 115.4

145 33.0 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

