

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102920\
 Data File : VX019176.D
 Acq On : 28 Oct 2020 20:50
 Operator : JC/MD
 Sample : L4485-08
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 MDL-WATER-01

Quant Time: Oct 29 06:34:25 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	188692	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	169042	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	77205	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	65121	5.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.80%
7) Chloroethane-d5	1.70	69	52806	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.80%
11) 1,1-Dichloroethene-d2	2.34	63	93746	3.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.60%
20) 2-Butanone-d5	4.56	46	142414	53.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.76%
24) Chloroform-d	5.14	84	116434	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	6.03	65	62995	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	6.04	84	243377	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
36) 1,2-Dichloropropane-d6	7.37	67	69960	5.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.20%
41) Toluene-d8	8.70	98	225611	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	8.99	79	28309	5.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.80%
46) 2-Hexanone-d5	9.43	63	132545	53.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.76%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	51207	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.20%
66) 1,2-Dichlorobenzene-d4	12.36	152	77896	5.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.18	85	3211	0.206	ug/L	98
3) Chloromethane	1.31	50	3112	0.231	ug/L	97
5) Vinyl chloride	1.39	62	3491	0.230	ug/L	84
6) Bromomethane	1.64	94	2500	0.256	ug/L	97
8) Chloroethane	1.72	64	2099	0.228	ug/L	94
9) Trichlorofluoromethane	1.92	101	4375	0.200	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	3397	0.273	ug/L #	84
12) 1,1-Dichloroethene	2.36	96	3344	0.276	ug/L #	1
14) Carbon disulfide	2.55	76	7948	0.212	ug/L #	93
15) Methyl Acetate	2.76	43	763	0.188	ug/L	90
16) Methylene chloride	2.83	84	4858	0.337	ug/L	97
17) Methyl tert-butyl Ether	3.17	73	5969	0.206	ug/L #	90
18) trans-1,2-Dichloroethene	3.14	96	2562	0.201	ug/L	95
19) 1,1-Dichloroethane	3.67	63	4247	0.195	ug/L	92
21) 2-Butanone	4.68	43	4914	1.839	ug/L	77
22) cis-1,2-Dichloroethene	4.56	96	2795	0.206	ug/L	98
23) Bromochloromethane	4.99	128	1108	0.197	ug/L #	96

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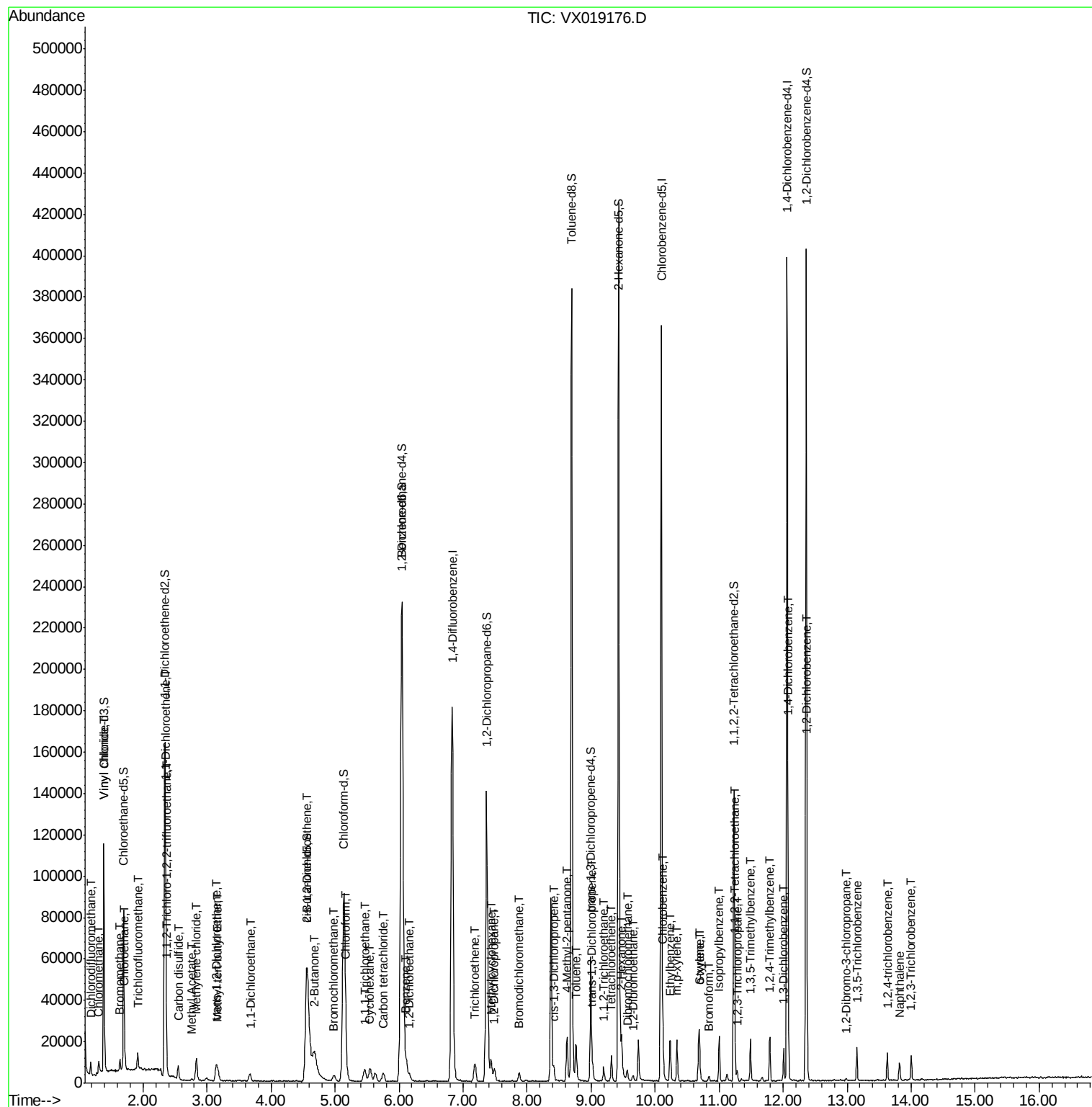
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.17	83	5531	0.244	ug/L	92
27) 1,2-Dichloroethane	6.17	62	3199	0.226	ug/L #	93
29) 1,1,1-Trichloroethane	5.46	97	4123	0.198	ug/L	97
30) Cyclohexane	5.54	56	4387	0.211	ug/L	99
31) Carbon tetrachloride	5.75	117	3344	0.188	ug/L	98
33) Benzene	6.11	78	10192	0.202	ug/L	100
34) Trichloroethene	7.18	95	2909	0.211	ug/L	88
35) Methylcyclohexane	7.43	83	4374	0.196	ug/L	97
37) 1,2-Dichloropropane	7.48	63	2518	0.212	ug/L #	92
38) Bromodichloromethane	7.88	83	2907	0.188	ug/L	94
39) cis-1,3-Dichloropropene	8.42	75	3478	0.191	ug/L	97
40) 4-Methyl-2-pentanone	8.62	43	13034	2.057	ug/L #	85
42) Toluene	8.76	91	10902	0.200	ug/L	95
44) trans-1,3-Dichloropropene	9.02	75	4283	0.281	ug/L	100
45) 1,1,2-Trichloroethane	9.20	97	1721	0.199	ug/L	89
47) Tetrachloroethene	9.32	164	2157	0.205	ug/L	87
48) 2-Hexanone	9.48	43	9821	2.215	ug/L	96
49) Dibromochloromethane	9.57	129	1884	0.188	ug/L	100
50) 1,2-Dibromoethane	9.65	107	1672	0.208	ug/L #	88
51) Chlorobenzene	10.12	112	6945	0.202	ug/L	96
52) Ethylbenzene	10.23	91	11613	0.191	ug/L	95
53) m,p-xylene	10.34	106	4586	0.196	ug/L	99
54) o-xylene	10.68	106	4302	0.192	ug/L	96
55) Styrene	10.70	104	6444	0.176	ug/L	91
57) 1,1,2,2-Tetrachloroethane	11.25	83	2142	0.217	ug/L #	93
59) Bromoform	10.84	173	860	0.170	ug/L #	95
60) Isopropylbenzene	11.00	105	11412	0.201	ug/L	97
61) 1,2,3-Trichloropropane	11.28	75	1545	0.223	ug/L	98
62) 1,3,5-Trimethylbenzene	11.49	105	9023	0.190	ug/L	97
63) 1,2,4-Trimethylbenzene	11.79	105	9268	0.193	ug/L	98
64) 1,3-Dichlorobenzene	12.01	146	5215	0.207	ug/L	96
65) 1,4-Dichlorobenzene	12.08	146	5507	0.219	ug/L	97
67) 1,2-Dichlorobenzene	12.38	146	4804	0.207	ug/L	93
68) 1,2-Dibromo-3-chloropropan	12.99	75	311	0.196	ug/L #	84
69) 1,3,5-Trichlorobenzene	13.15	180	3646	0.197	ug/L	97
70) 1,2,4-trichlorobenzene	13.63	180	3161	0.196	ug/L	98
71) Naphthalene	13.82	128	5084	0.175	ug/L	97
72) 1,2,3-Trichlorobenzene	14.00	180	2771	0.195	ug/L	99

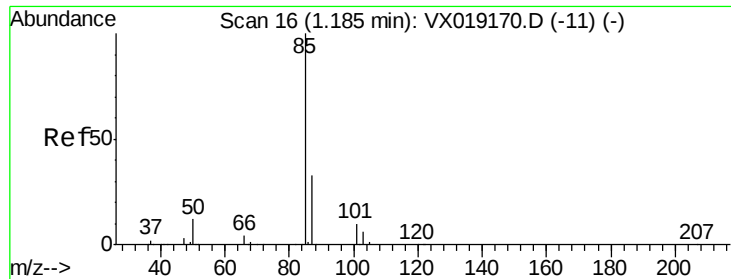
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#2

Dichlorodifluoromethane

Concen: 0.206 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019176.D

Acq: 28 Oct 2020 20:50

Instrument :

MSVOA_X

ClientSampleId :

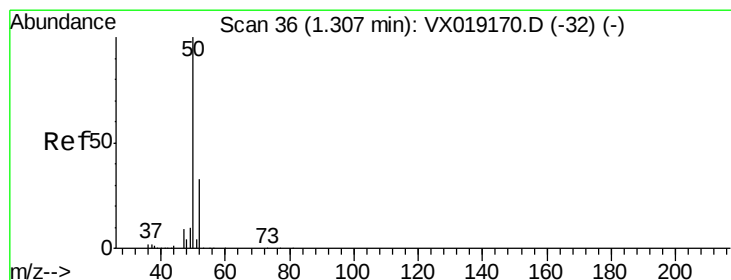
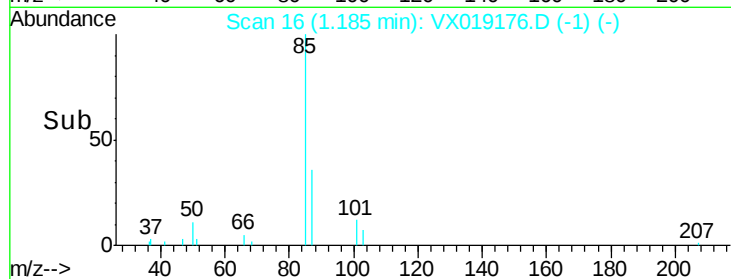
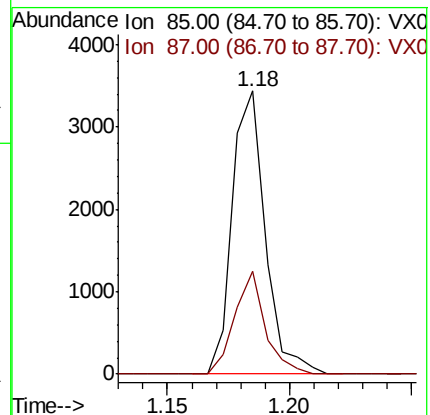
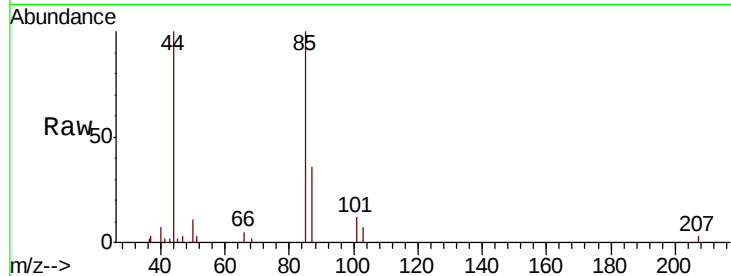
MDL-WATER-01

Tot Ion: 85 Resp: 3211

Ion Ratio Lower Upper

85 100

87 33.7 26.1 39.1



#3

Chloromethane

Concen: 0.231 ug/L

RT: 1.31 min Scan# 36

Delta R.T. 0.00 min

Lab File: VX019176.D

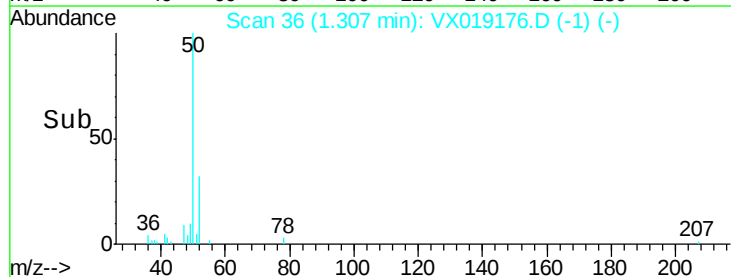
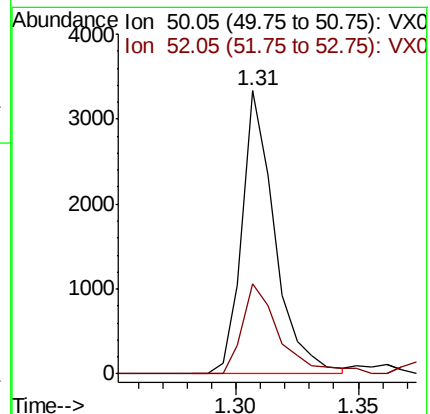
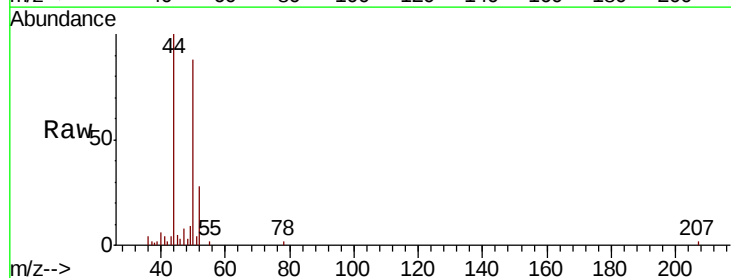
Acq: 28 Oct 2020 20:50

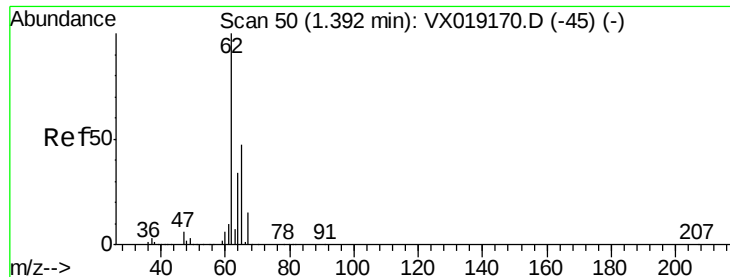
Tgt Ion: 50 Resp: 3112

Ion Ratio Lower Upper

50 100

52 31.7 23.4 43.6





#5

Vinyl chloride

Concen: 0.230 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019176.D

Acq: 28 Oct 2020 20:50

Instrument :

MSVOA_X

ClientSampleId :

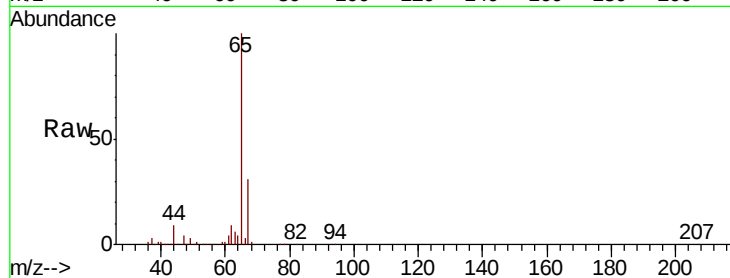
MDL-WATER-01

Tot Ion: 62 Resp: 3491

Ion Ratio Lower Upper

62 100

64 43.0 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.10 (63.80 to 64.80): VX0

1.39

4000

3000

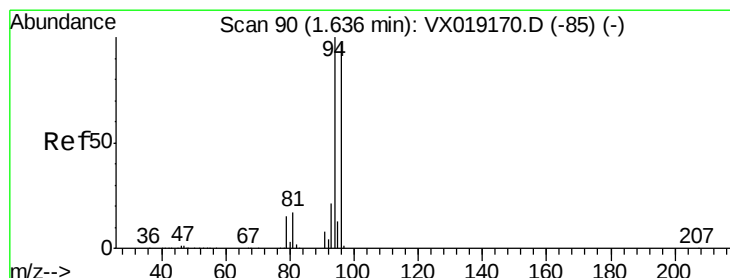
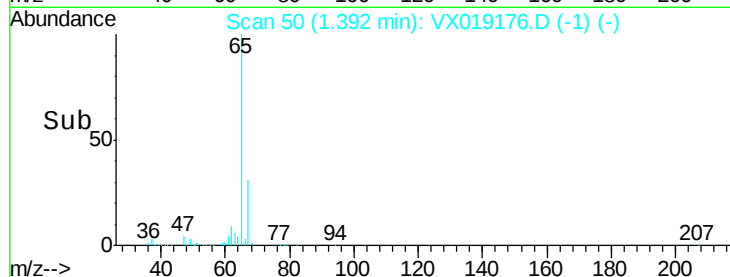
2000

1000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 0.256 ug/L

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019176.D

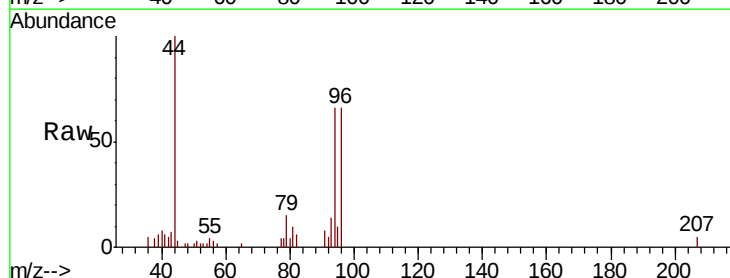
Acq: 28 Oct 2020 20:50

Tgt Ion: 94 Resp: 2500

Ion Ratio Lower Upper

94 100

96 100.4 67.9 126.1



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.64

2000

1500

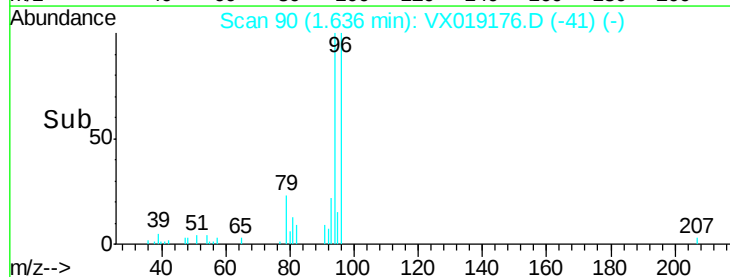
1000

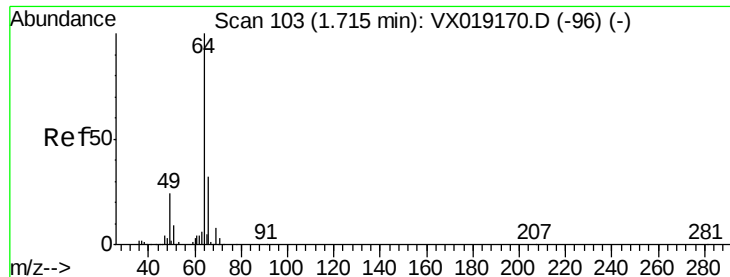
500

0

1.60 1.65 1.70

Time-->





#8

Chloroethane

Concen: 0.228 ug/L

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX019176.D

Acq: 28 Oct 2020 20:50

Instrument :

MSVOA_X

ClientSampleId :

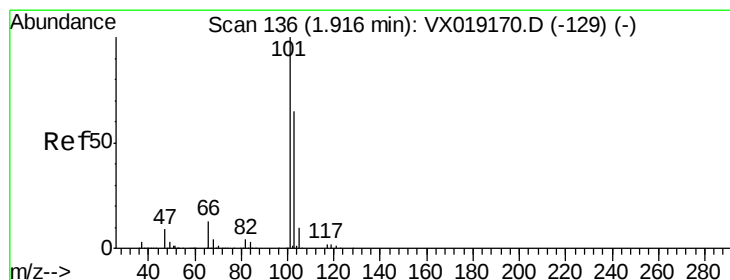
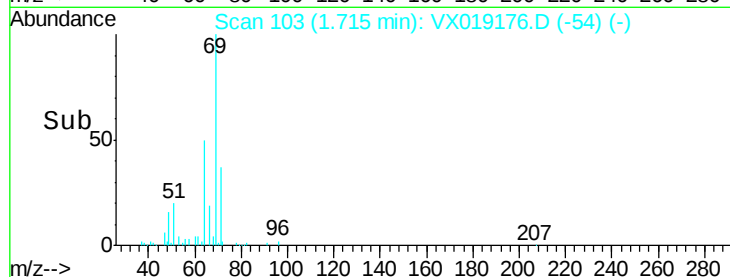
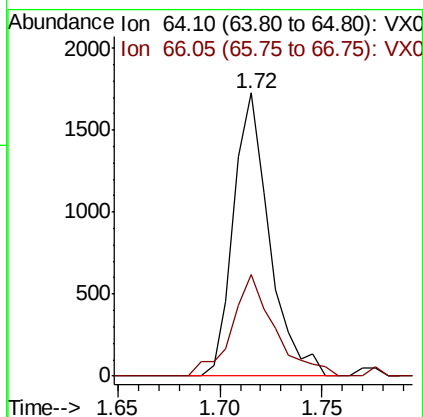
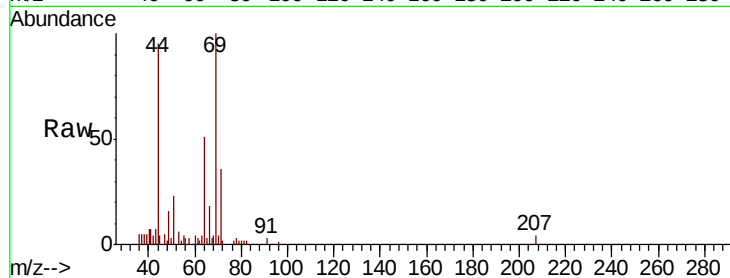
MDL-WATER-01

Tot Ion: 64 Resp: 2099

Ion Ratio Lower Upper

64 100

66 35.8 22.7 42.1



#9

Trichlorofluoromethane

Concen: 0.200 ug/L

RT: 1.92 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX019176.D

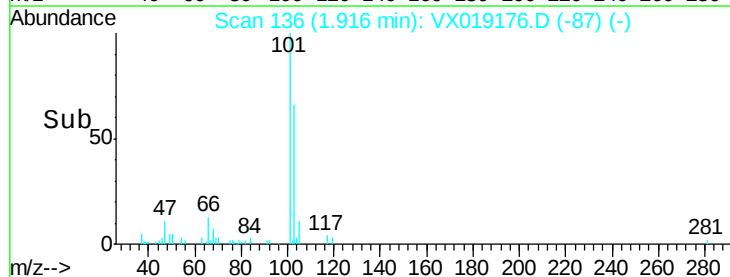
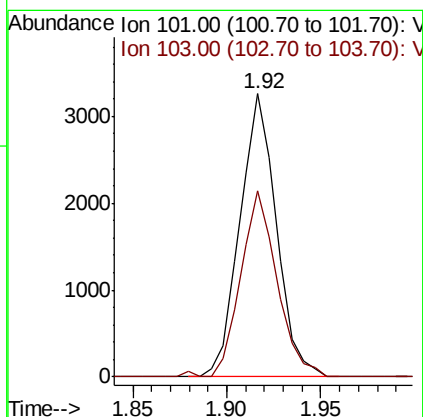
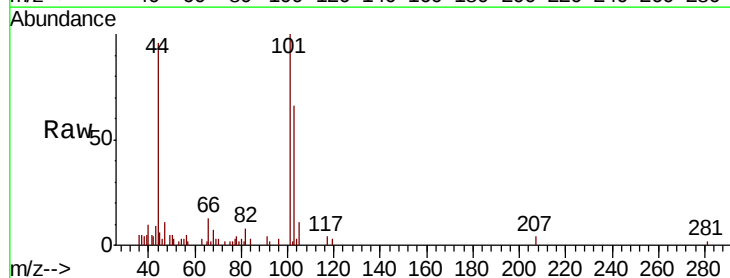
Acq: 28 Oct 2020 20:50

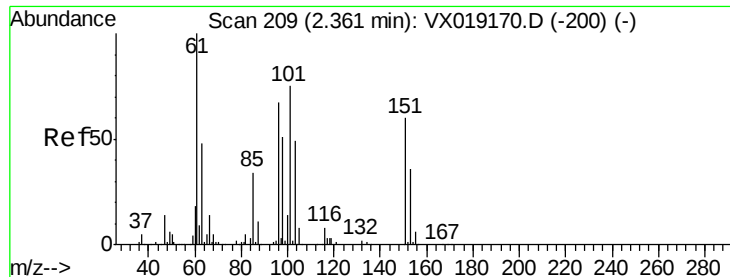
Tgt Ion: 101 Resp: 4375

Ion Ratio Lower Upper

101 100

103 65.6 51.9 77.9





#10

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

Concen: 0.273 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX019176.D

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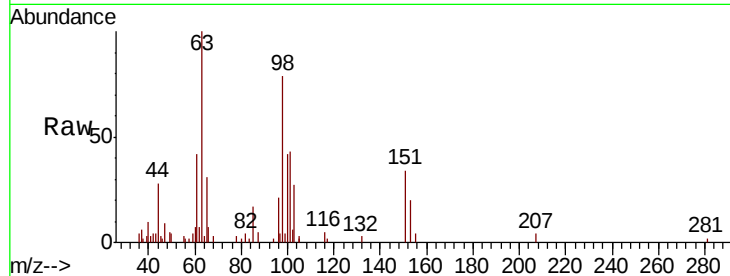
Tot Ion:101 Resp: 3397

Ion Ratio Lower Upper

101 100

85 34.6 35.3 52.9#

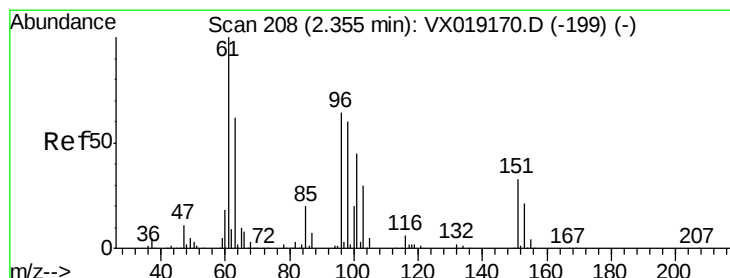
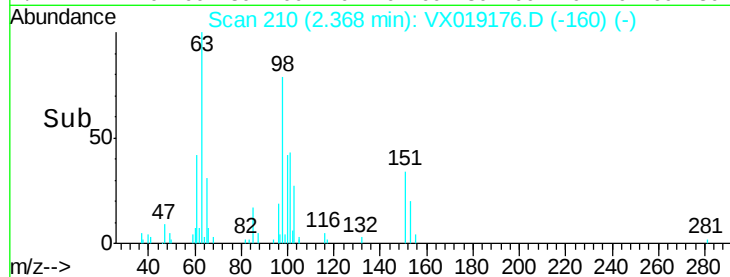
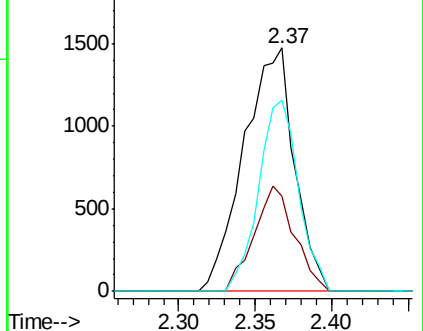
151 62.0 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): V

2000 Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.276 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX019176.D

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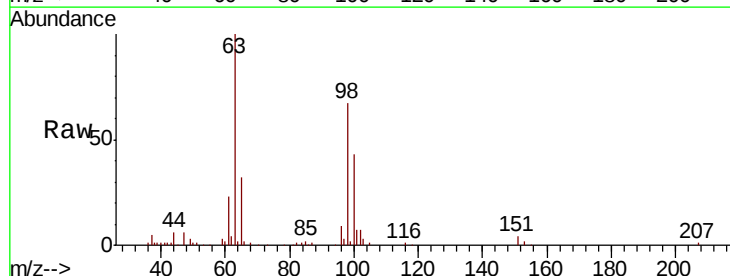
Tgt Ion: 96 Resp: 3344

Ion Ratio Lower Upper

96 100

61 271.3 109.5 203.3#

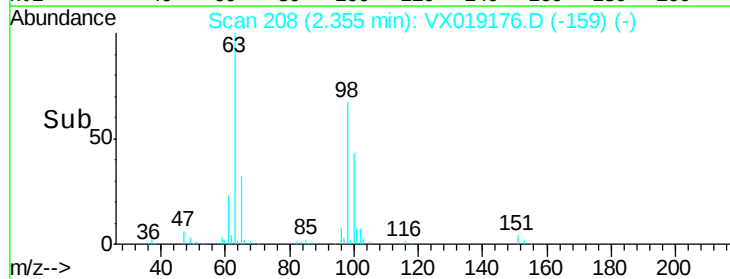
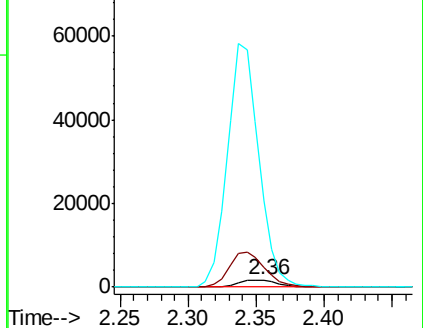
63 1156.2 68.3 126.9#

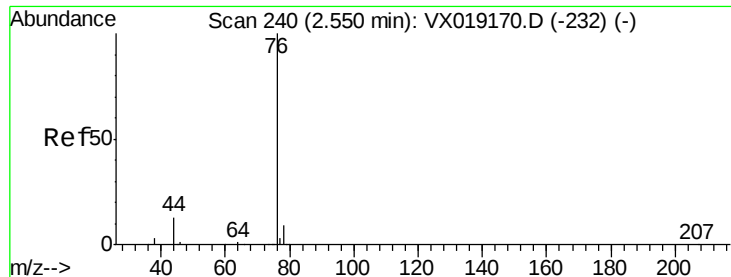


Abundance Ion 96.00 (95.70 to 96.70): VX0

80000 Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#14

Carbon disulfide

Concen: 0.212 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

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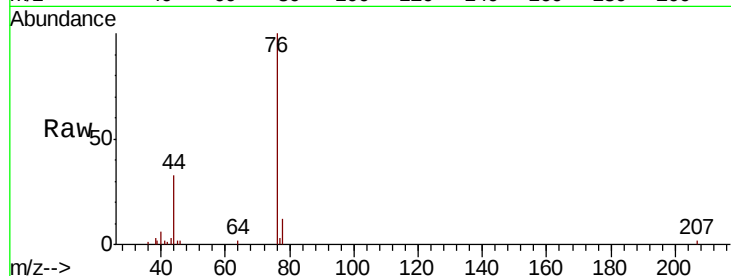
MDL-WATER-01

Tot Ion: 76 Resp: 7948

Ion Ratio Lower Upper

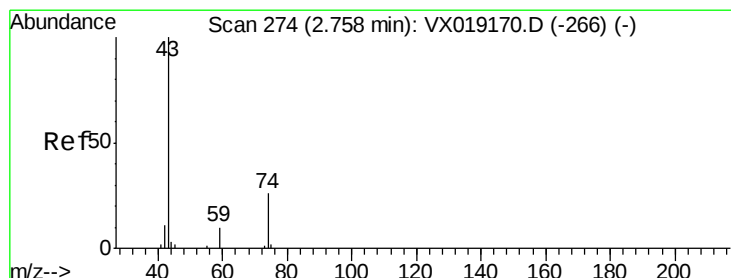
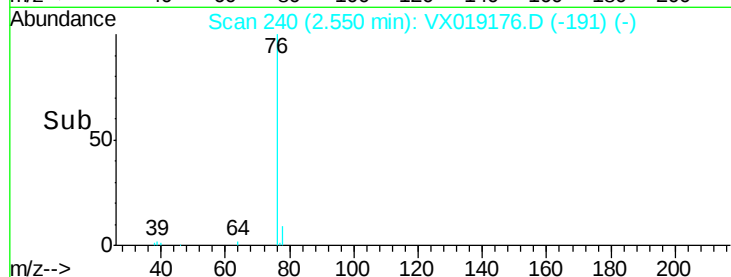
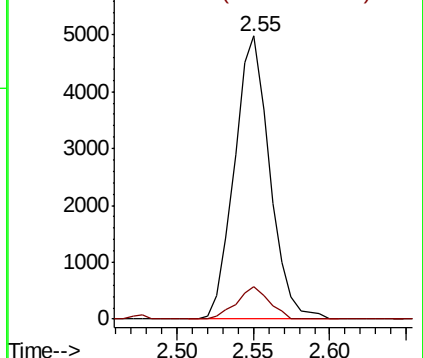
76 100

78 11.6 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: 0.188 ug/L

RT: 2.76 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX019176.D

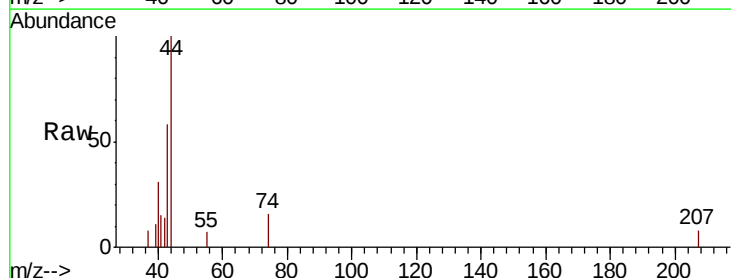
Acq: 28 Oct 2020 20:50

Tgt Ion: 43 Resp: 763

Ion Ratio Lower Upper

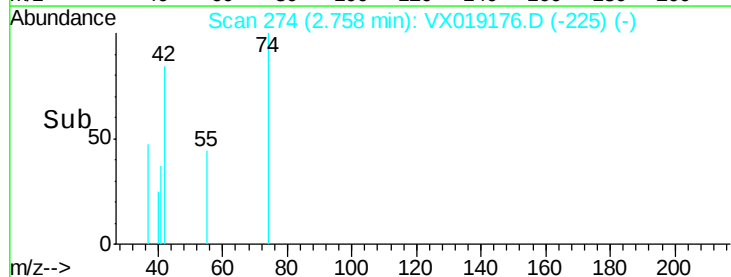
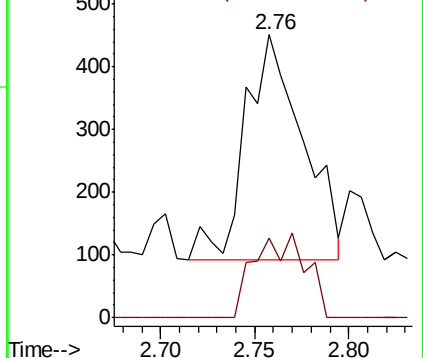
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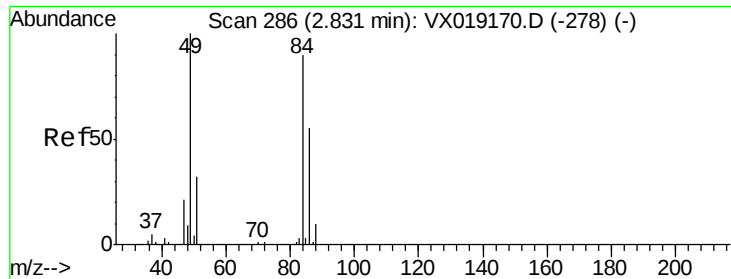
74 33.2 22.3 33.5



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0

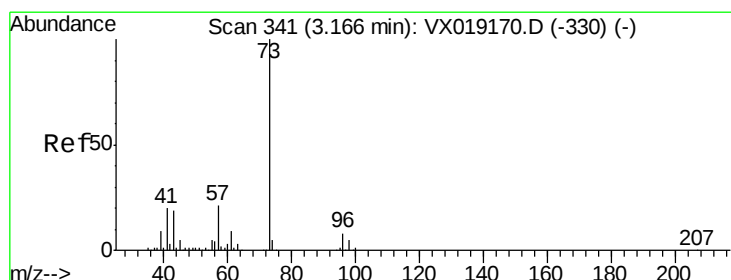
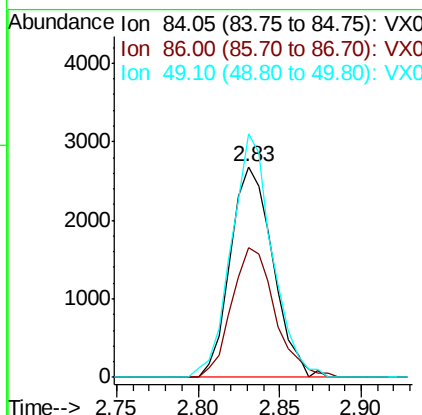
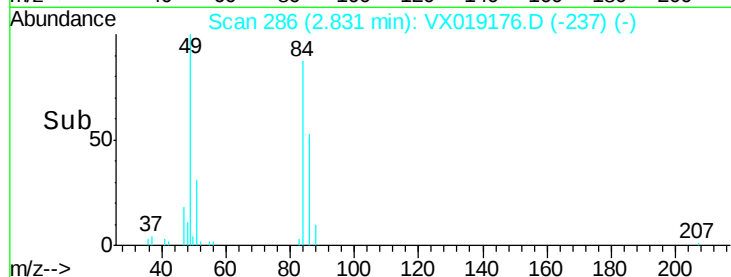
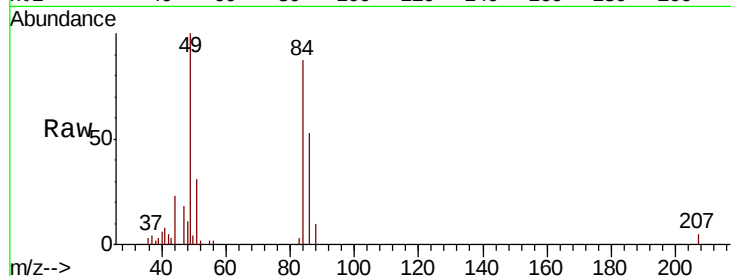




#16
Methylene chloride
Concen: 0.337 ug/L
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019176.D
Acq: 28 Oct 2020 20:50

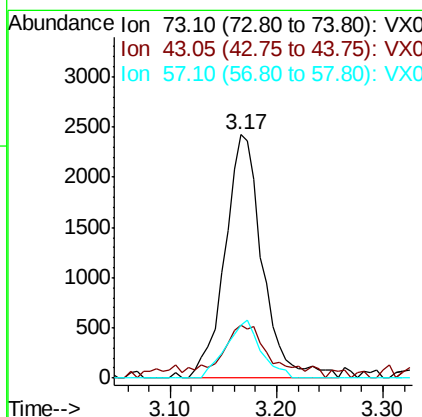
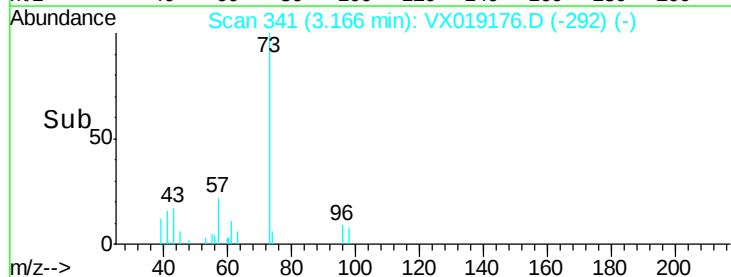
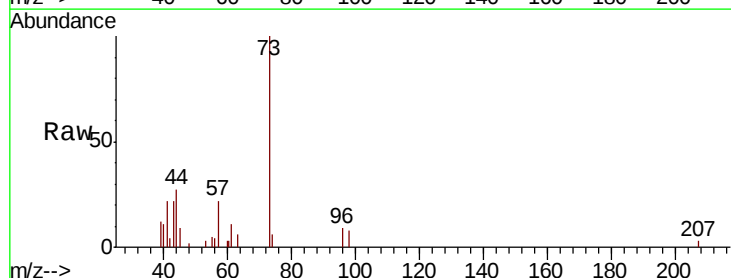
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-01

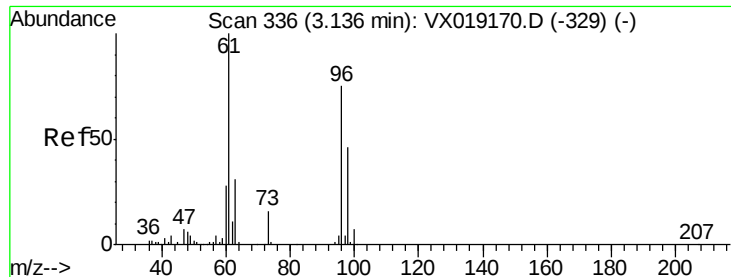
Tot Ion: 84 Resp: 4858
Ion Ratio Lower Upper
84 100
86 61.5 42.2 78.4
49 115.5 77.5 143.9



#17
Methyl tert-butyl Ether
Concen: 0.206 ug/L
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX019176.D
Acq: 28 Oct 2020 20:50

Tgt Ion: 73 Resp: 5969
Ion Ratio Lower Upper
73 100
43 28.7 16.1 24.1#
57 22.1 16.8 25.2





#18

trans-1,2-Dichloroethene

Concen: 0.201 ug/L

RT: 3.14 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX019176.D

Acq: 28 Oct 2020 20:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-01

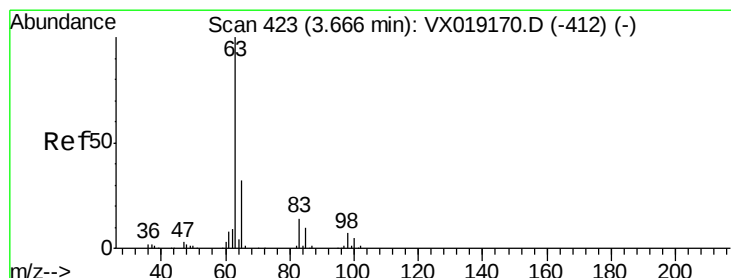
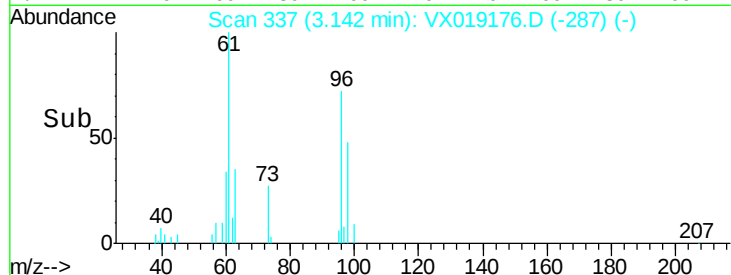
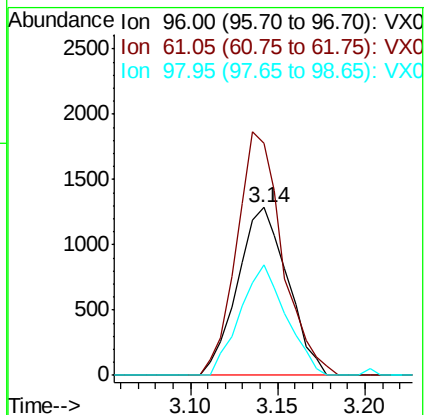
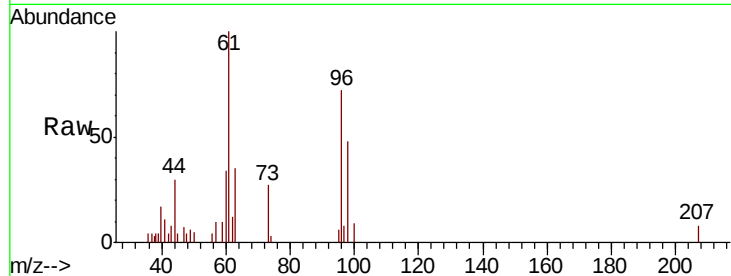
Tot Ion: 96 Resp: 2562

Ion Ratio Lower Upper

96 100

61 138.6 93.7 173.9

98 66.2 42.8 79.6



#19

1,1-Dichloroethane

Concen: 0.195 ug/L

RT: 3.67 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX019176.D

Acq: 28 Oct 2020 20:50

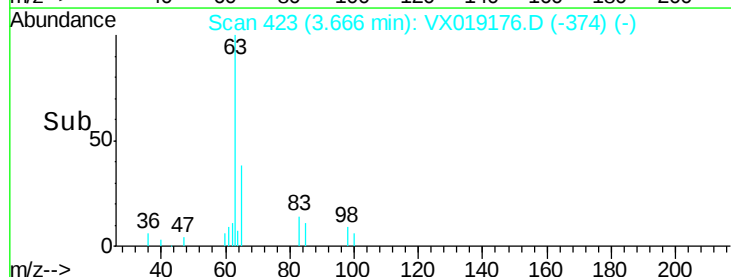
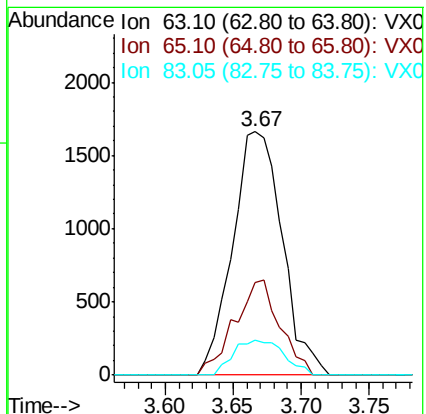
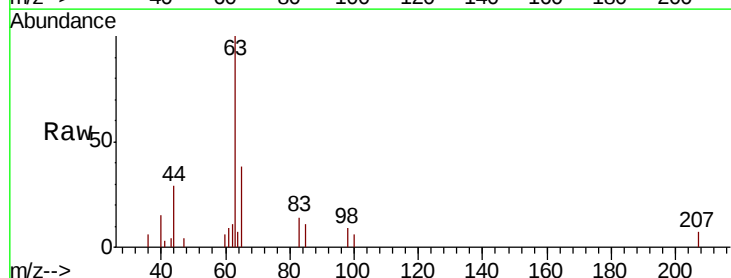
Tgt Ion: 63 Resp: 4247

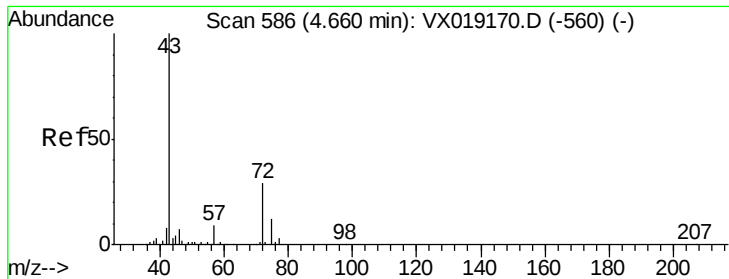
Ion Ratio Lower Upper

63 100

65 37.9 22.5 41.9

83 14.4 9.7 17.9





#21

2-Butanone

Concen: 1.839 ug/L

RT: 4.68 min Scan# 589

Delta R.T. 0.02 min

Lab File: VX019176.D

Acq: 28 Oct 2020 20:50

Instrument :

MSVOA_X

ClientSampleId :

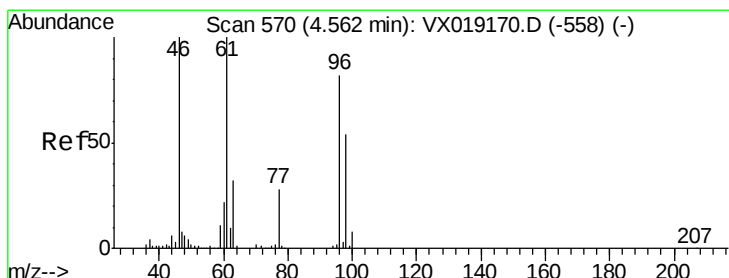
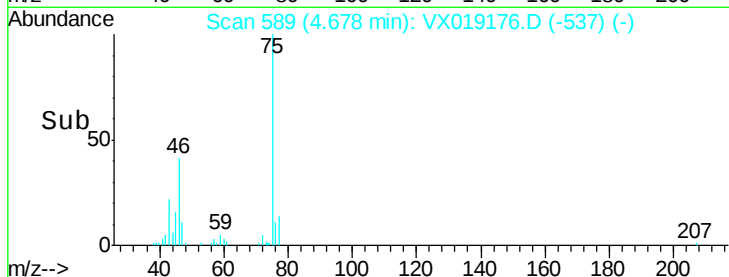
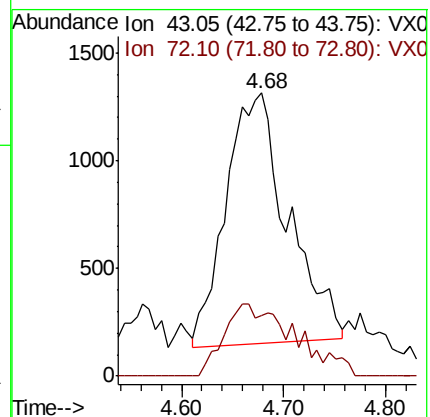
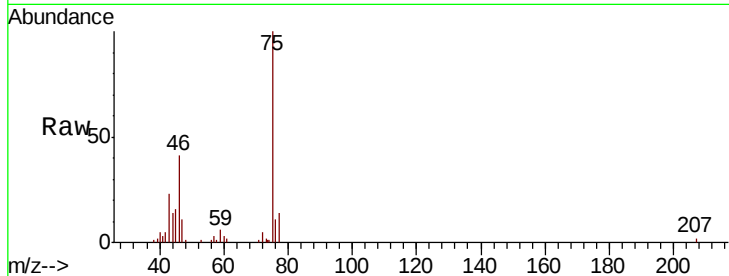
MDL-WATER-01

Tot Ion: 43 Resp: 4914

Ion Ratio Lower Upper

43 100

72 16.8 14.4 43.4



#22

cis-1,2-Dichloroethene

Concen: 0.206 ug/L

RT: 4.56 min Scan# 569

Delta R.T. -0.01 min

Lab File: VX019176.D

Acq: 28 Oct 2020 20:50

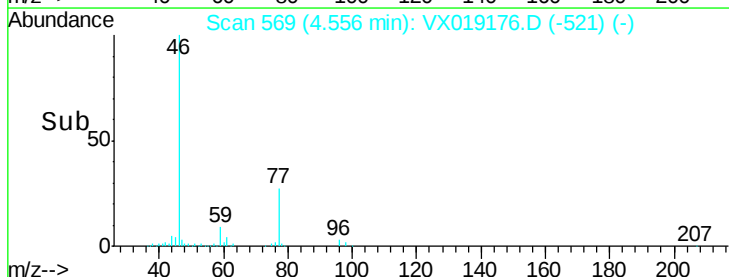
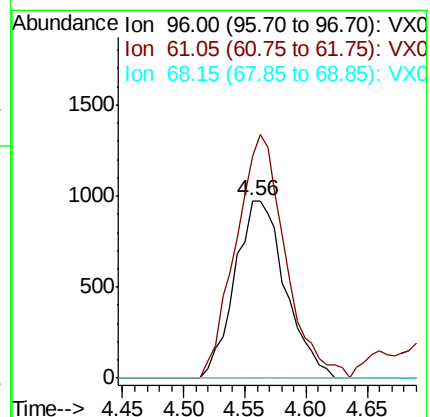
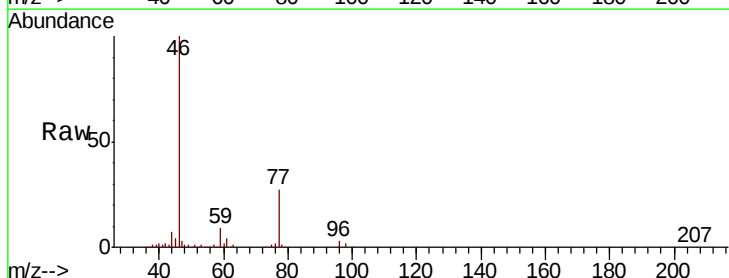
Tgt Ion: 96 Resp: 2795

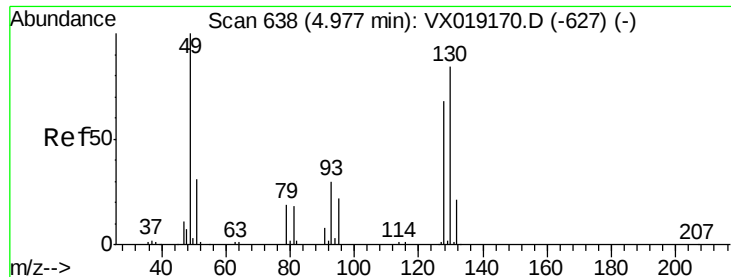
Ion Ratio Lower Upper

96 100

61 124.8 85.7 159.1

68 0.0 0.0 0.0

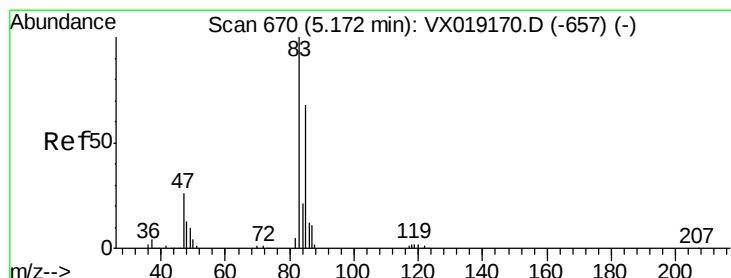
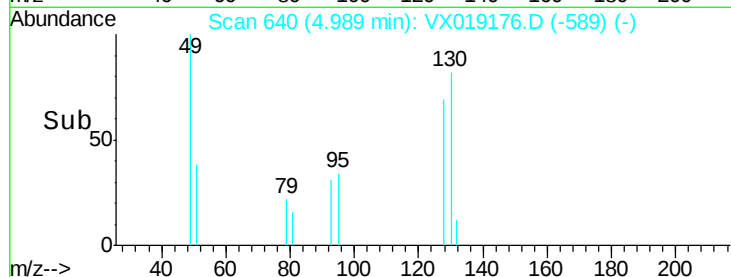
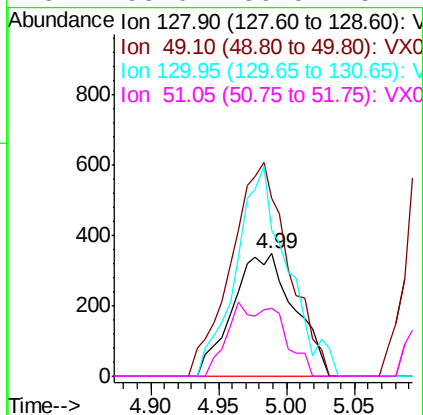
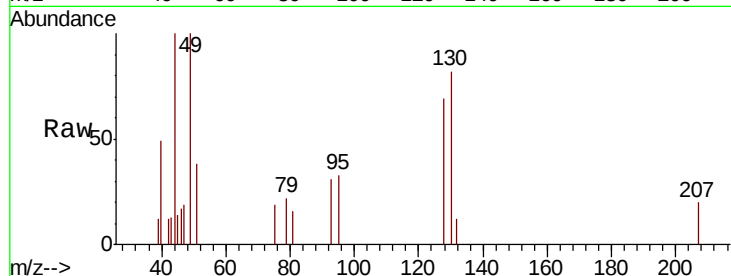




#23
Bromochloromethane
Concen: 0.197 ug/L
RT: 4.99 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX019176.D
Acq: 28 Oct 2020 20:50

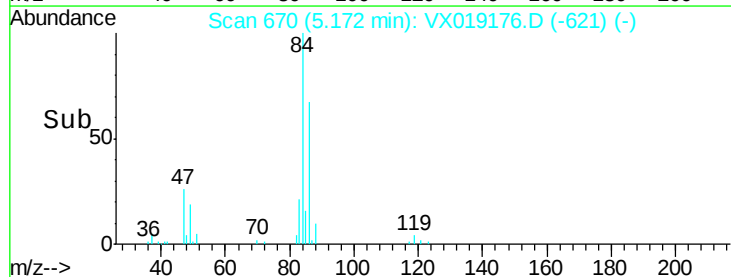
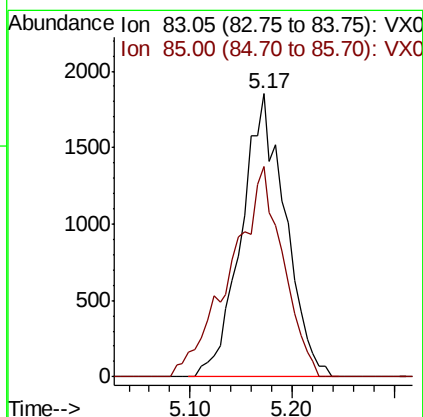
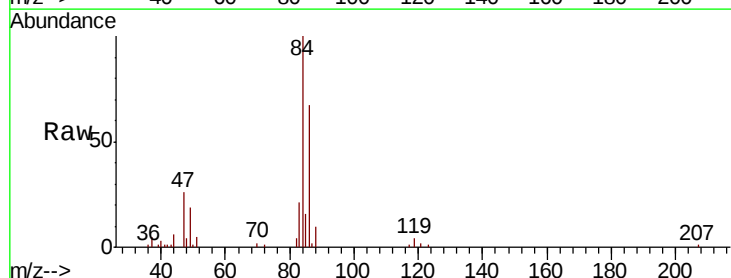
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-01

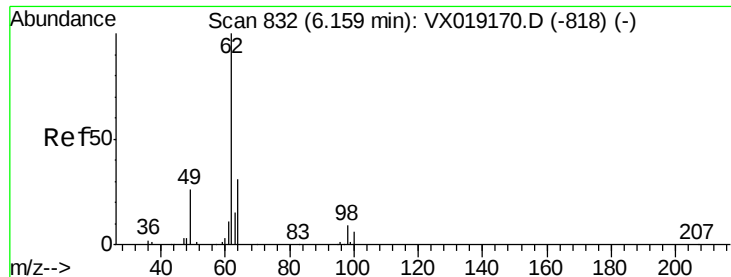
Tot Ion:128 Resp: 1108
Ion Ratio Lower Upper
128 100
49 145.3 102.8 191.0
130 118.9 86.3 160.3
51 55.6 36.5 54.7#



#25
Chloroform
Concen: 0.244 ug/L
RT: 5.17 min Scan# 670
Delta R.T. 0.00 min
Lab File: VX019176.D
Acq: 28 Oct 2020 20:50

Tgt Ion: 83 Resp: 5531
Ion Ratio Lower Upper
83 100
85 74.4 47.6 88.4

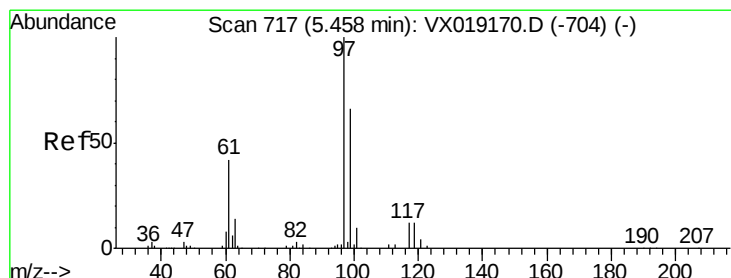
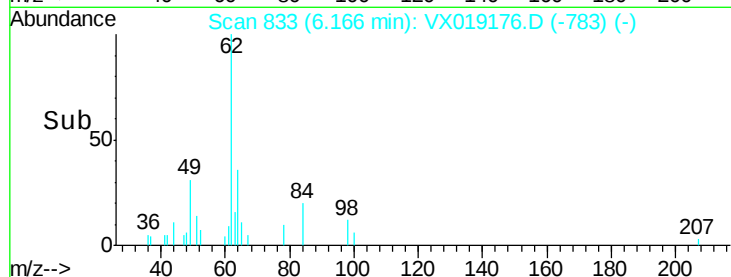
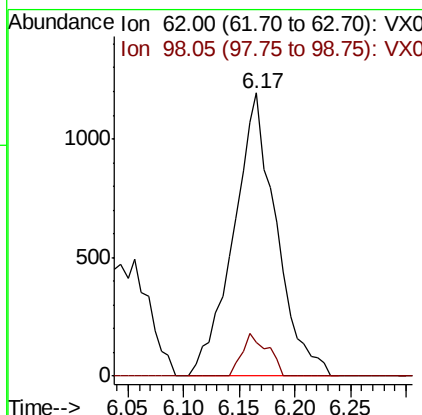
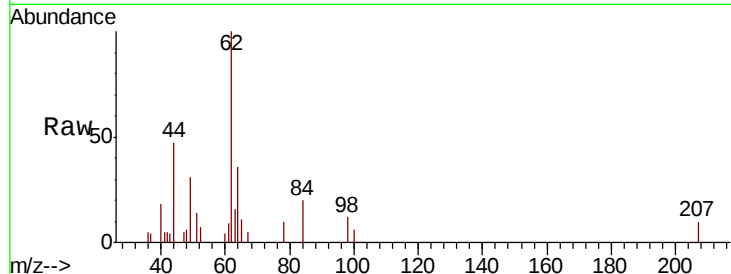




#27
 1,2-Dichloroethane
 Concen: 0.226 ug/L
 RT: 6.17 min Scan# 833
 Delta R.T. 0.01 min
 Lab File: VX019176.D
 Acq: 28 Oct 2020 20:50

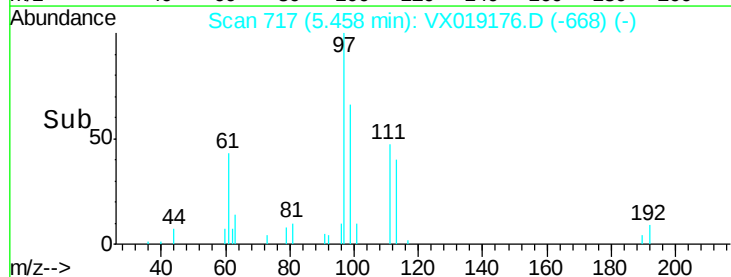
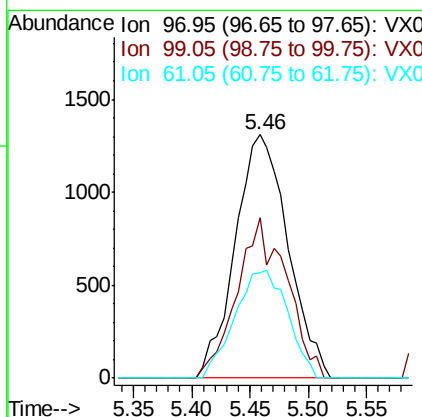
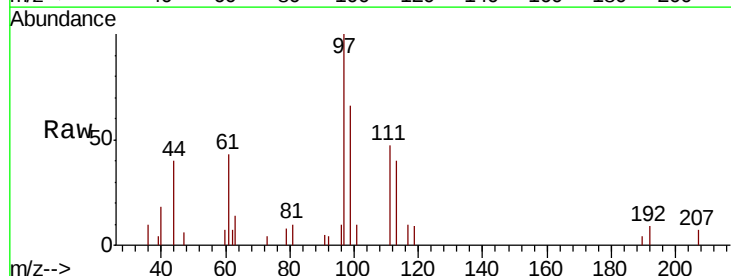
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-01

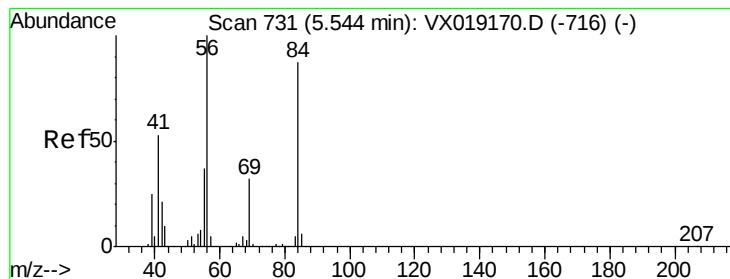
Tot Ion: 62 Resp: 3199
 Ion Ratio Lower Upper
 62 100
 98 11.8 7.4 11.0#



#29
 1,1,1-Trichloroethane
 Concen: 0.198 ug/L
 RT: 5.46 min Scan# 717
 Delta R.T. 0.00 min
 Lab File: VX019176.D
 Acq: 28 Oct 2020 20:50

Tgt Ion: 97 Resp: 4123
 Ion Ratio Lower Upper
 97 100
 99 61.8 51.8 77.8
 61 44.2 34.5 51.7





#30

Cyclohexane

Concen: 0.211 ug/L

RT: 5.54 min Scan# 731

Delta R.T. 0.00 min

Lab File: VX019176.D

Acq: 28 Oct 2020 20:50

Instrument :

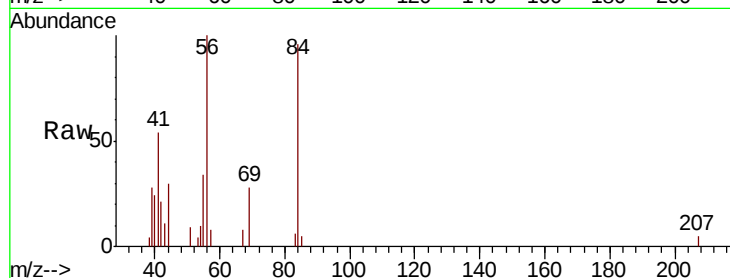
MSVOA_X

ClientSampleId :

MDL-WATER-01

Tot Ion: 56 Resp: 4387

Ion	Ratio	Lower	Upper
56	100		
69	31.9	26.2	39.2
84	94.0	74.5	111.7

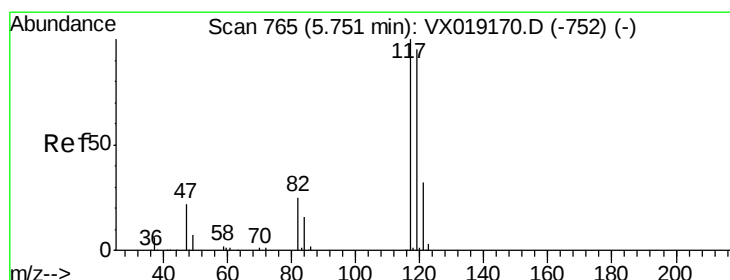
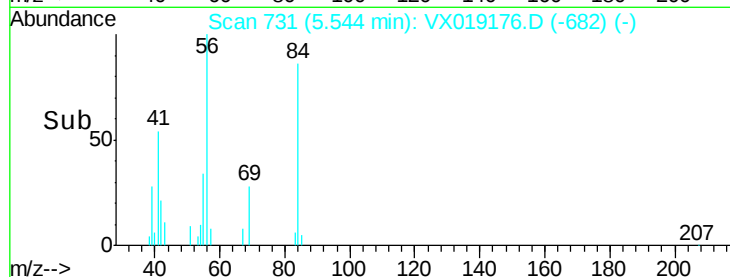
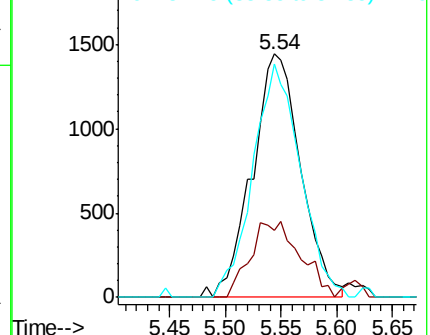


Abundance

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: 0.188 ug/L

RT: 5.75 min Scan# 765

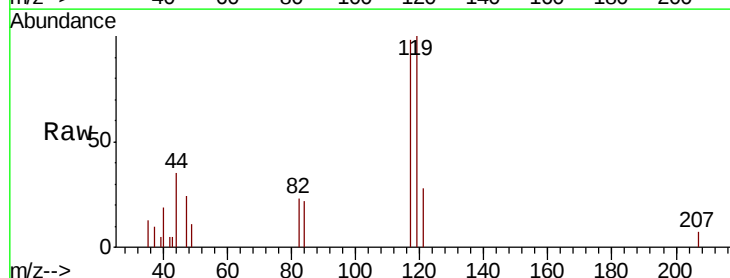
Delta R.T. 0.00 min

Lab File: VX019176.D

Acq: 28 Oct 2020 20:50

Tgt Ion: 117 Resp: 3344

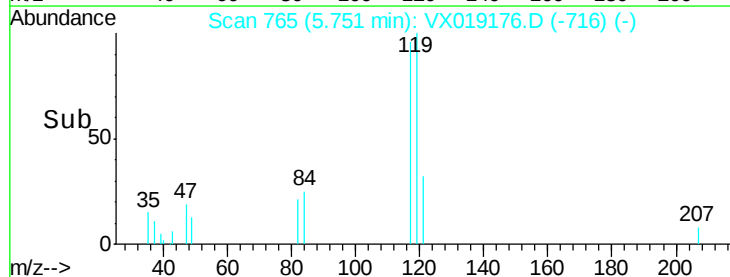
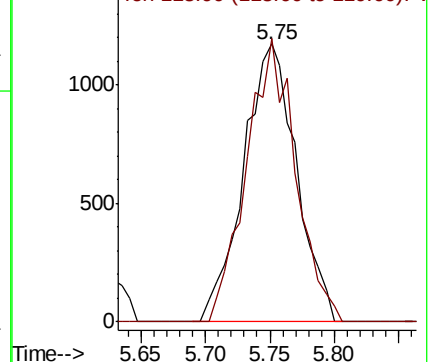
Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.3	115.9

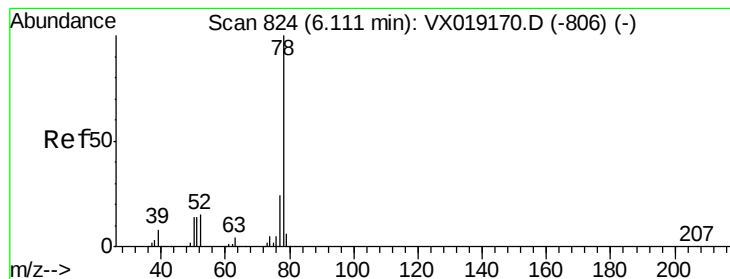


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V





#33

Benzene

Concen: 0.202 ug/L

RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

Lab File: VX019176.D

Acq: 28 Oct 2020 20:50

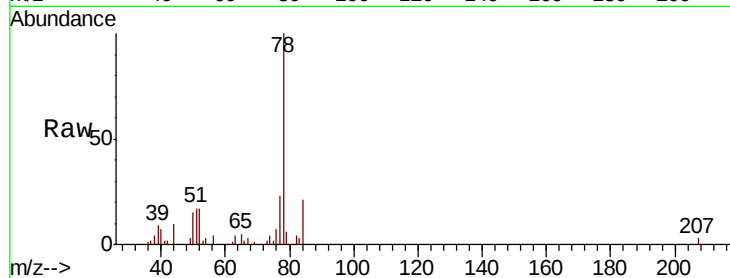
Instrument :

MSVOA_X

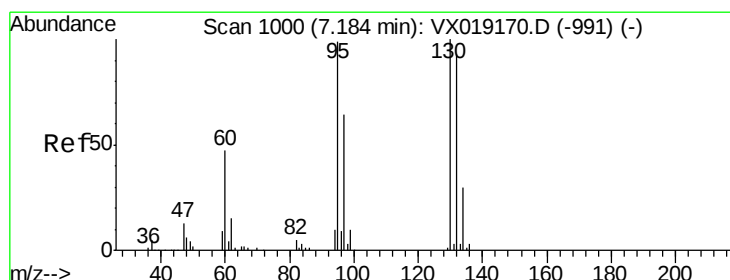
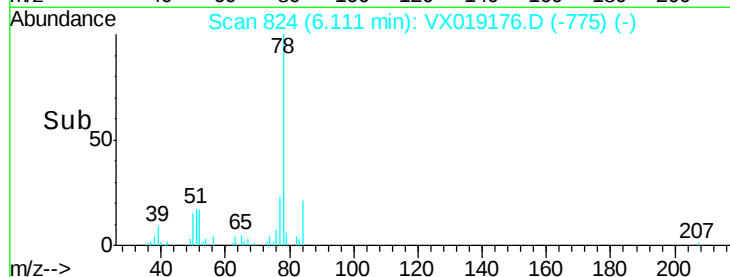
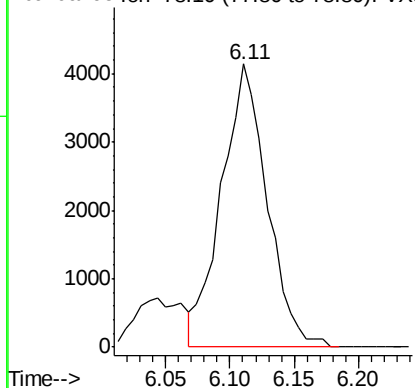
ClientSampleId :

MDL-WATER-01

Tgt Ion: 78 Resp: 10192



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: VX019176.D

Acq: 28 Oct 2020 20:50

Tgt Ion: 95 Resp: 2909

Ion	Ratio	Lower	Upper
95	100		
97	58.0	45.2	84.0
132	78.8	65.3	121.3
130	90.5	70.6	131.0

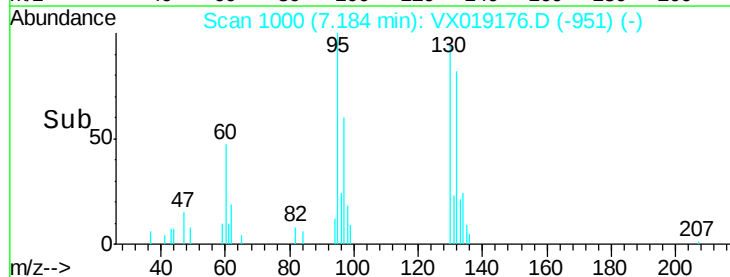
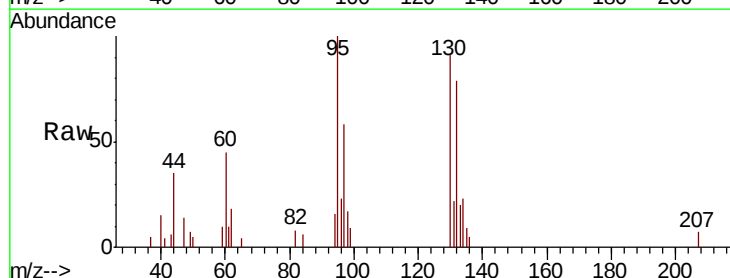
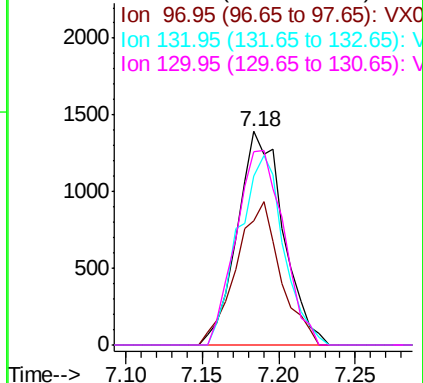
Ion 95.00 (94.70 to 95.70): VX0

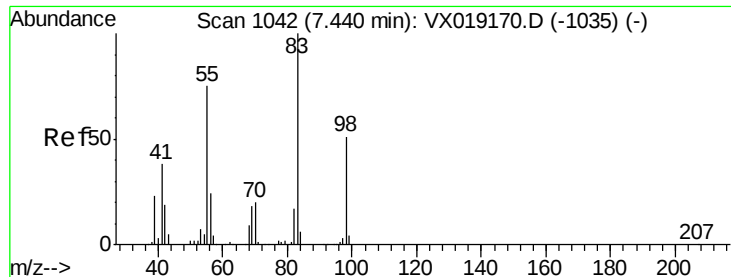
Ion 96.95 (96.65 to 97.65): VX0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

Abundance Ion 95.00 (94.70 to 95.70): VX0

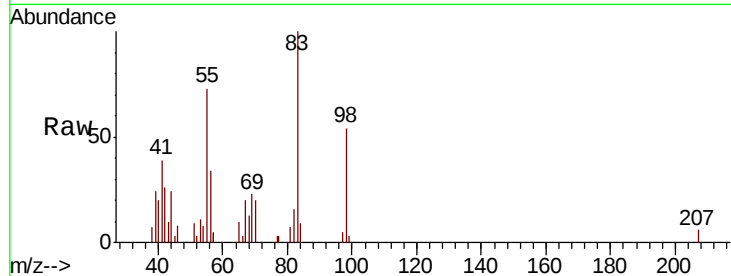




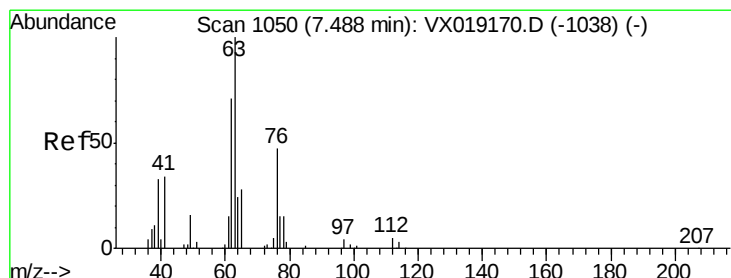
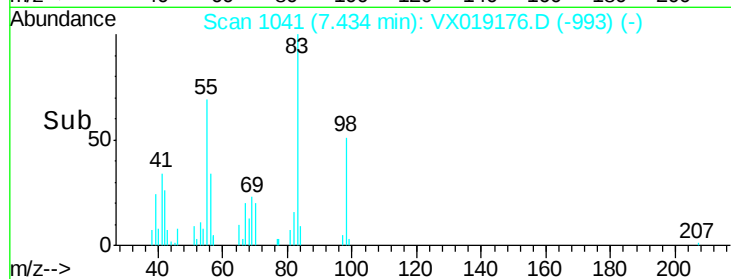
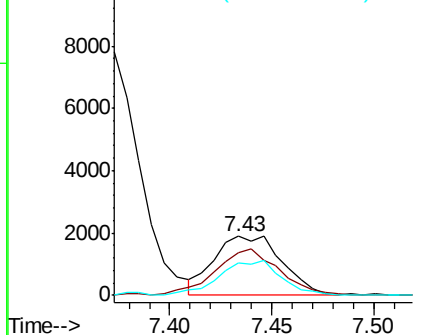
#35
Methvlcvclohexane
Concen: 0.196 ug/L
RT: 7.43 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VX019176.D
Acq: 28 Oct 2020 20:50

Instrument :
MSVOA_X
ClientSampled :
MDL-WATER-01

Tot Ion: 83 Resp: 4374
Ion Ratio Lower Upper
83 100
55 75.2 58.5 87.7
98 52.6 40.1 60.1

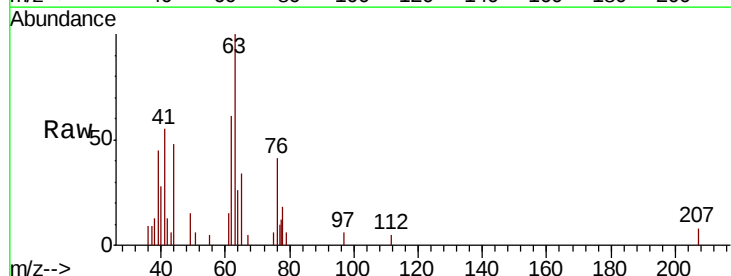


Abundance Ion 83.15 (82.85 to 83.85): VX0
Ion 55.10 (54.80 to 55.80): VX0
Ion 98.15 (97.85 to 98.85): VX0

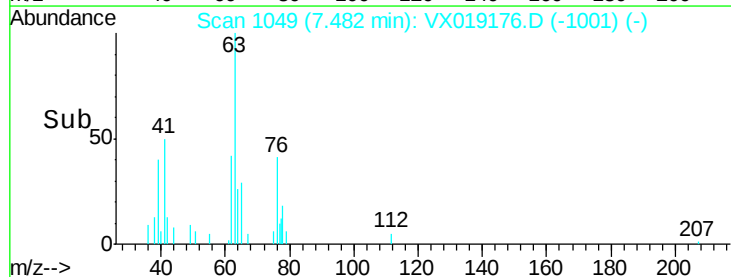
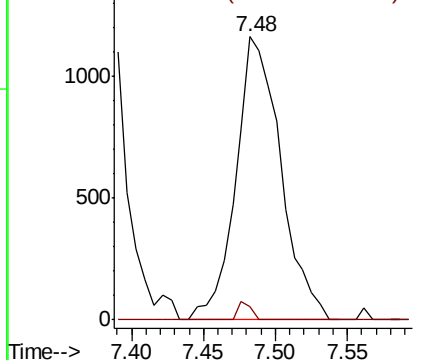


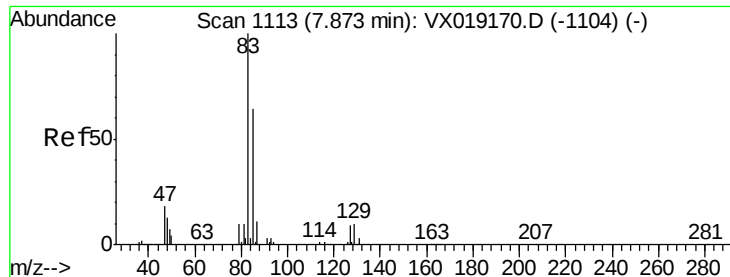
#37
1,2-Dichloropropane
Concen: 0.212 ug/L
RT: 7.48 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VX019176.D
Acq: 28 Oct 2020 20:50

Tgt Ion: 63 Resp: 2518
Ion Ratio Lower Upper
63 100
112 1.9 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VX0
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.188 ug/L

RT: 7.88 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VX019176.D

Acq: 28 Oct 2020 20:50

Instrument :

MSVOA_X

ClientSampled :

MDL-WATER-01

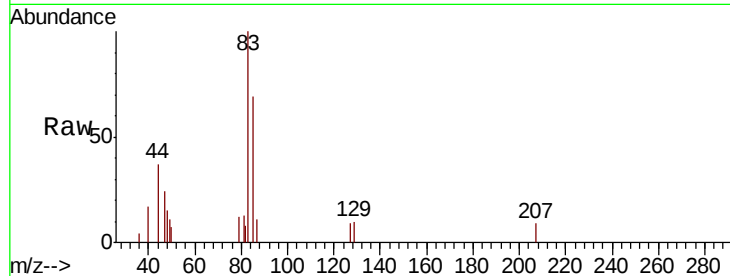
Tot Ion: 83 Resp: 2907

Ion Ratio Lower Upper

83 100

85 68.8 44.4 82.5

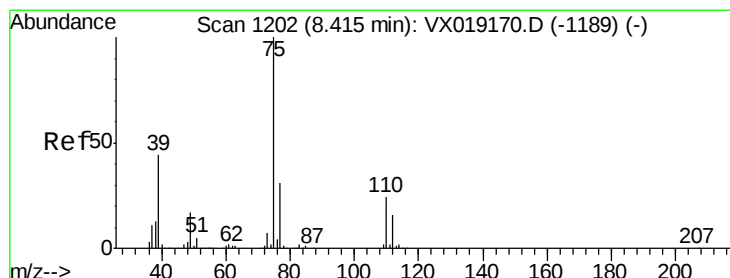
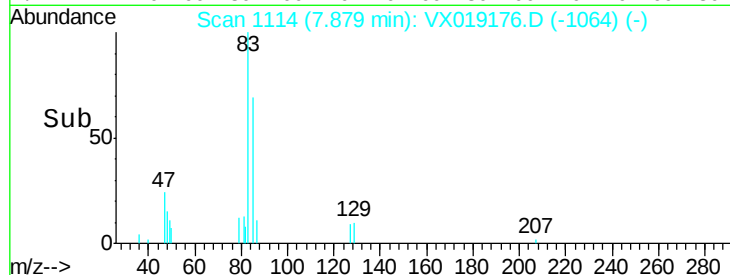
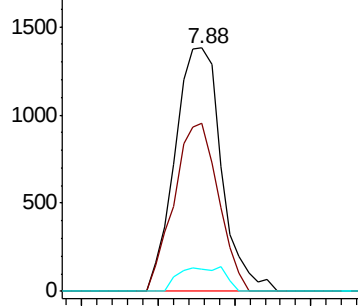
127 9.3 7.2 10.8



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



#39

cis-1,3-Dichloropropene

Concen: 0.191 ug/L

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX019176.D

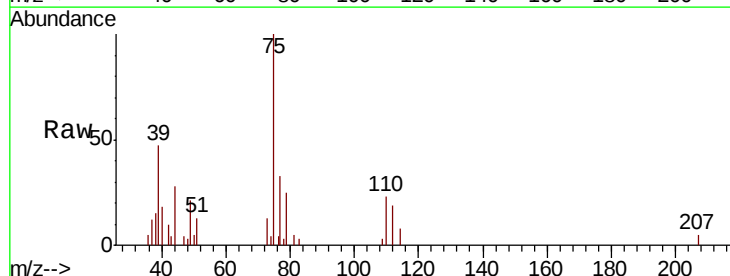
Acq: 28 Oct 2020 20:50

Tgt Ion: 75 Resp: 3478

Ion Ratio Lower Upper

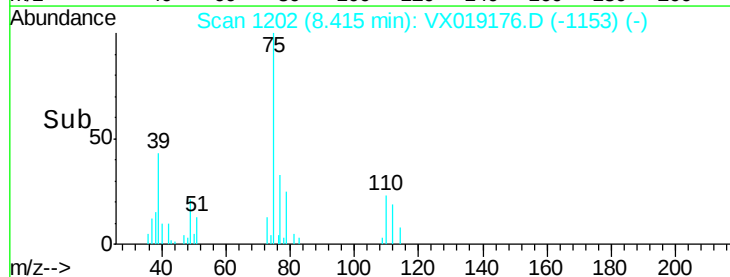
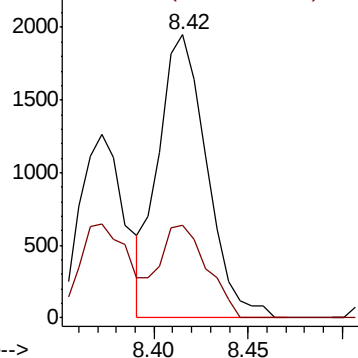
75 100

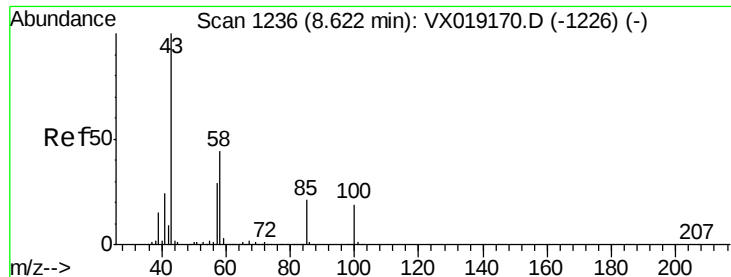
77 32.6 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

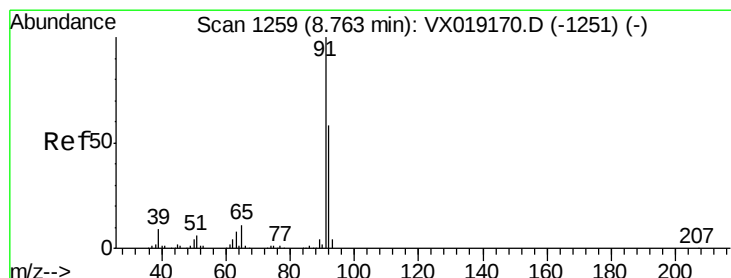
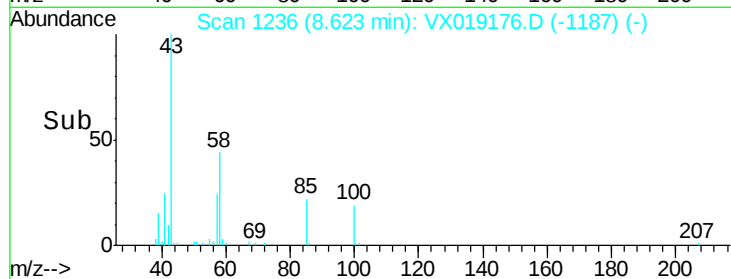
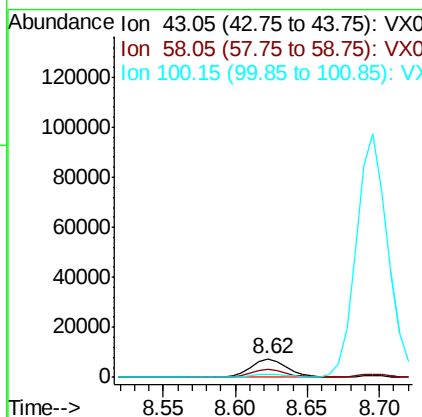
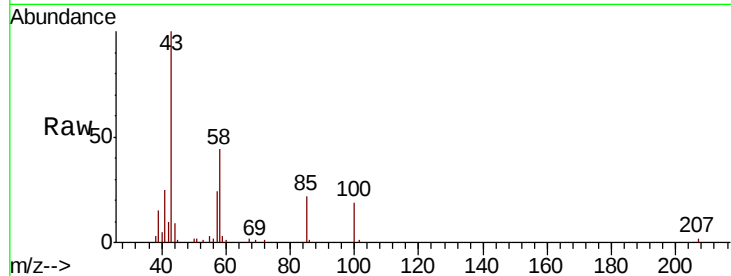




#40
4-Methyl-2-pentanone
Concen: 2.057 ug/L
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX019176.D
Acq: 28 Oct 2020 20:50

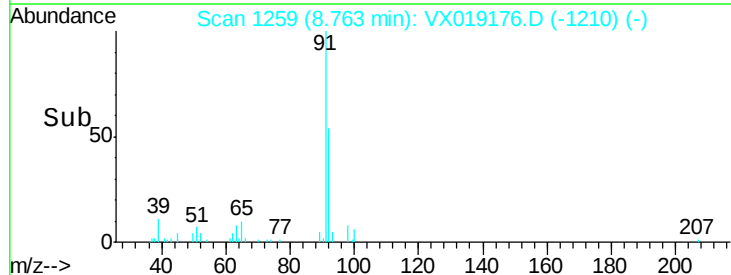
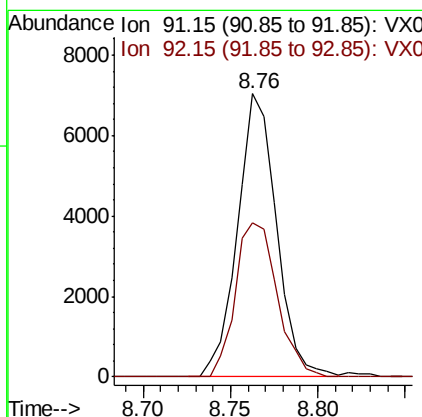
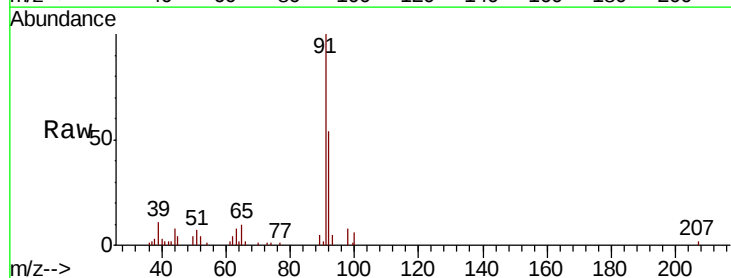
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-01

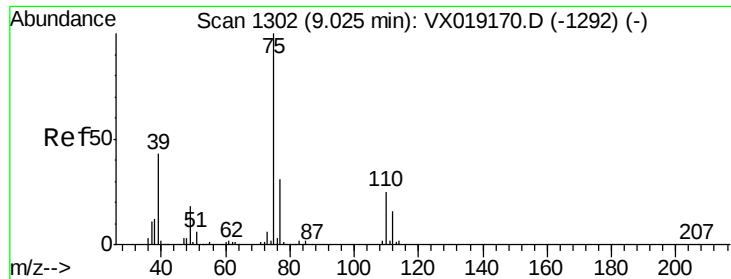
Tot Ion: 43 Resp: 13034
Ion Ratio Lower Upper
43 100
58 40.7 34.1 51.1
100 0.0 15.0 22.4#



#42
Toluene
Concen: 0.200 ug/L
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX019176.D
Acq: 28 Oct 2020 20:50

Tgt Ion: 91 Resp: 10902
Ion Ratio Lower Upper
91 100
92 54.5 40.7 75.7





#44

trans-1,3-Dichloropropene

Concen: 0.281 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VX019176.D

Acq: 28 Oct 2020 20:50

Instrument :

MSVOA_X

ClientSampleId :

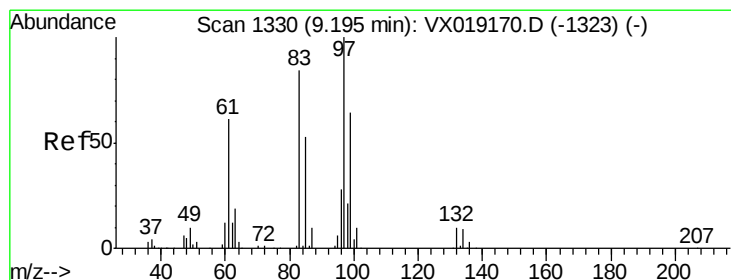
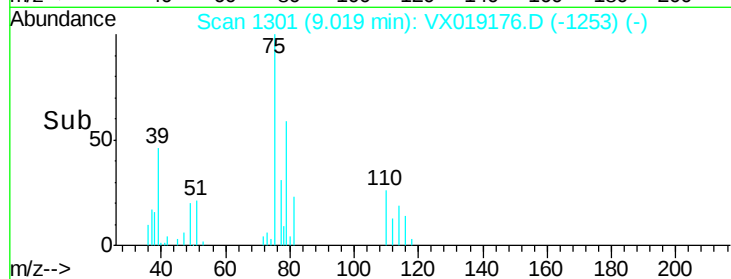
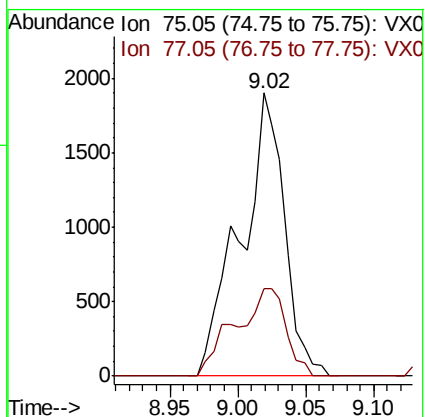
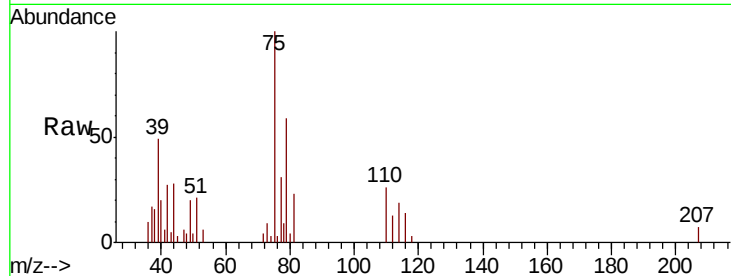
MDL-WATER-01

Tot Ion: 75 Resp: 4283

Ion Ratio Lower Upper

75 100

77 31.0 21.7 40.3



#45

1,1,2-Trichloroethane

Concen: 0.199 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX019176.D

Acq: 28 Oct 2020 20:50

Tgt Ion: 97 Resp: 1721

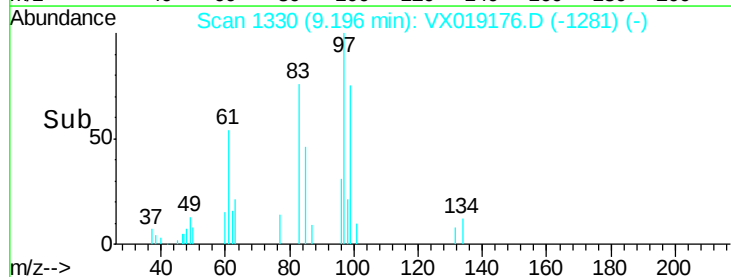
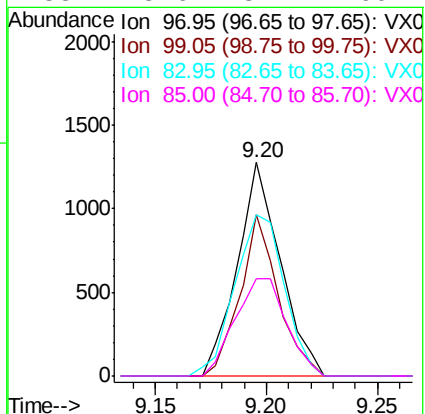
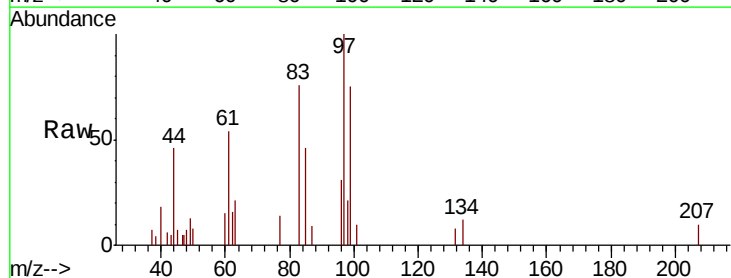
Ion Ratio Lower Upper

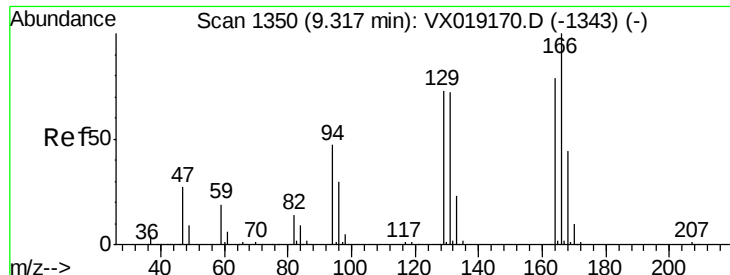
97 100

99 75.3 44.8 83.2

83 75.7 59.1 109.7

85 45.6 37.4 69.4

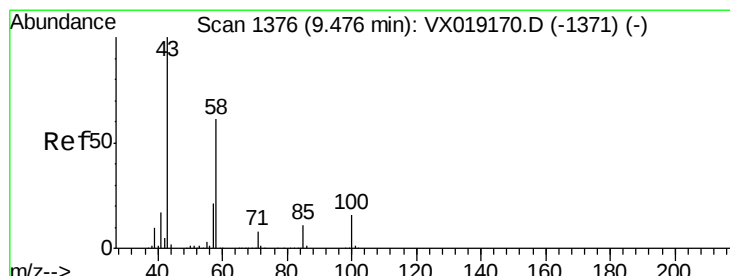
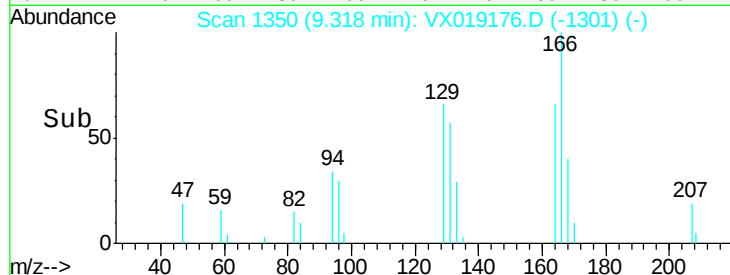
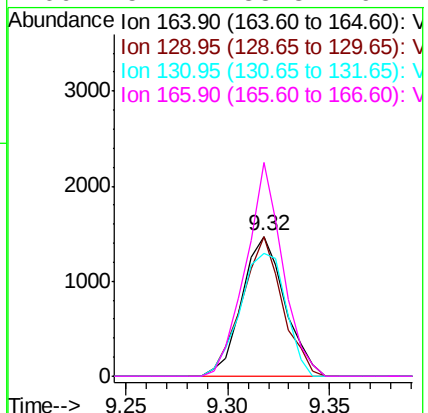
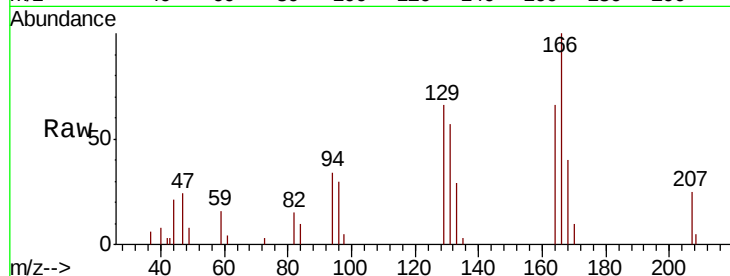




#47
Tetrachloroethene
Concen: 0.205 ug/L
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX019176.D
Acq: 28 Oct 2020 20:50

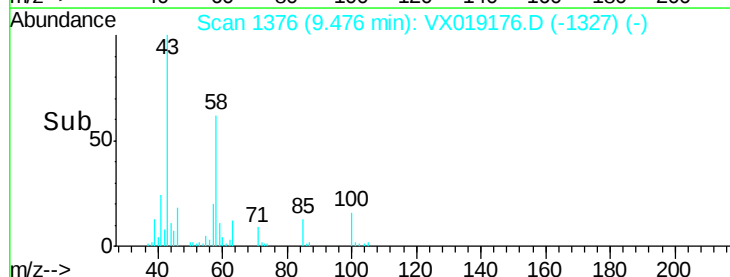
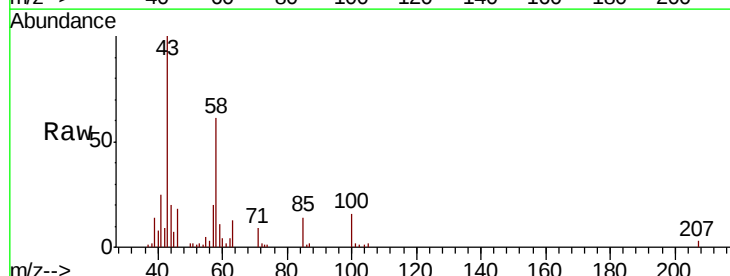
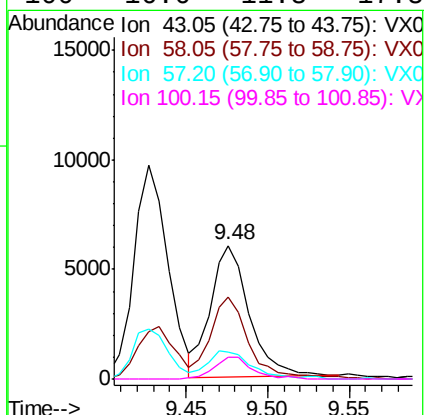
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-01

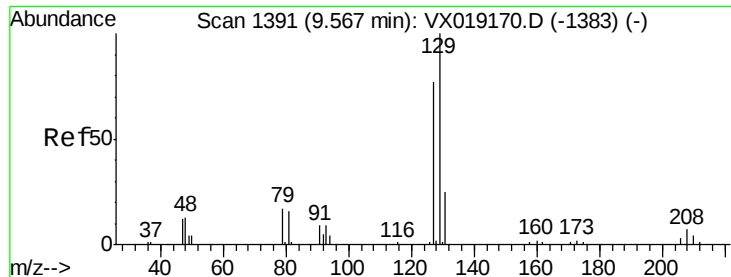
Tot Ion:	164	Resp:	2157
Ion	Ratio	Lower	Upper
164	100		
129	100.0	64.2	119.2
131	87.3	63.8	118.4
166	152.4	88.3	164.1



#48
2-Hexanone
Concen: 2.215 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX019176.D
Acq: 28 Oct 2020 20:50

Tgt Ion:	43	Resp:	9821
Ion	Ratio	Lower	Upper
43	100		
58	63.4	49.3	73.9
57	25.1	17.2	25.8
100	16.6	11.8	17.8





#49

Dibromochloromethane

Concen: 0.188 ug/L

RT: 9.57 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX019176.D

Acq: 28 Oct 2020 20:50

Instrument :

MSVOA_X

ClientSampleId :

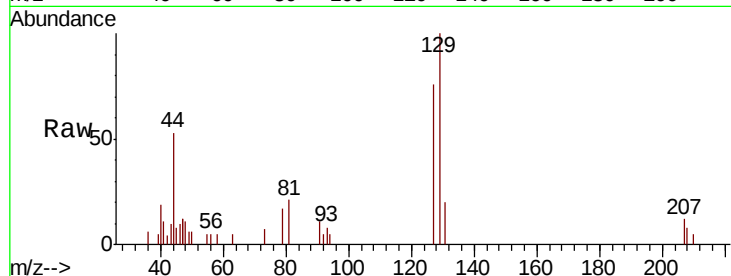
MDL-WATER-01

Tot Ion:129 Resp: 1884

Ion Ratio Lower Upper

129 100

127 76.2 53.6 99.6



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

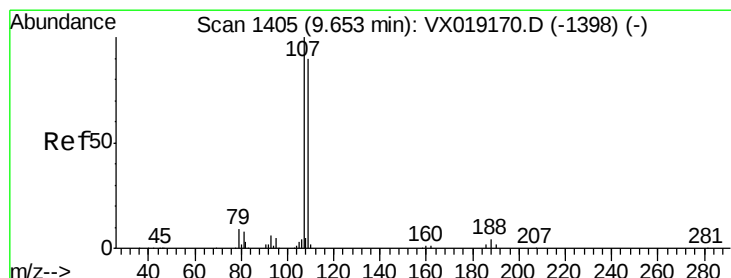
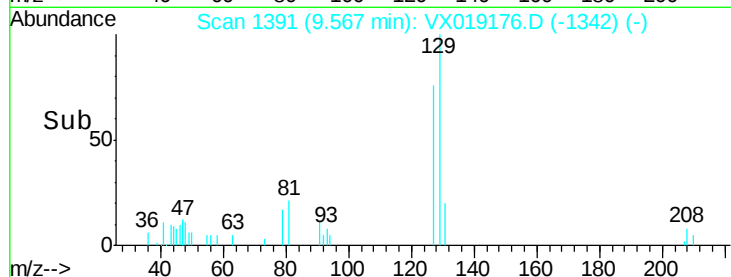
1500

1000

500

0

Time--> 9.50 9.55 9.60



#50

1,2-Dibromoethane

Concen: 0.208 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX019176.D

Acq: 28 Oct 2020 20:50

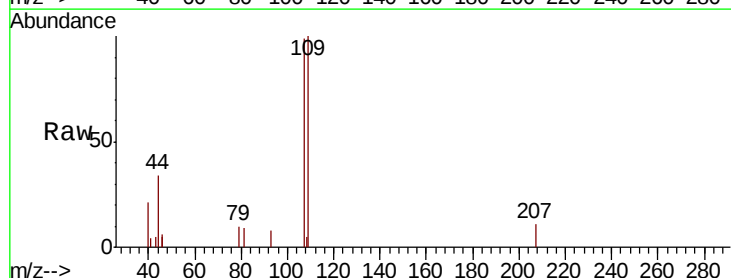
Tgt Ion:107 Resp: 1672

Ion Ratio Lower Upper

107 100

109 101.4 62.9 116.9

188 0.0 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

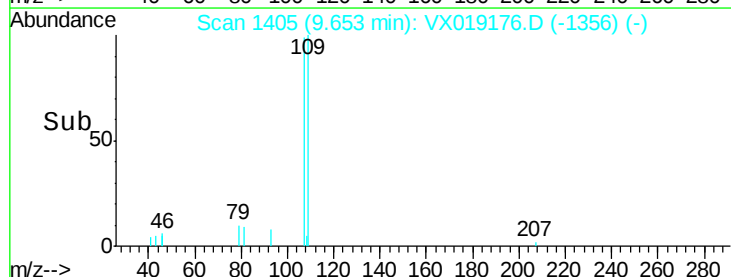
1500

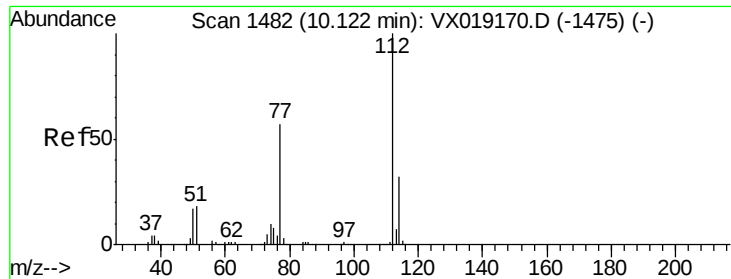
1000

500

0

Time--> 9.60 9.65 9.70





#51

Chlorobenzene

Concen: 0.202 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX019176.D

Acq: 28 Oct 2020 20:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-01

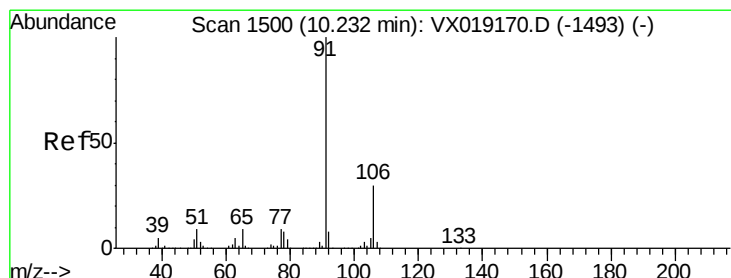
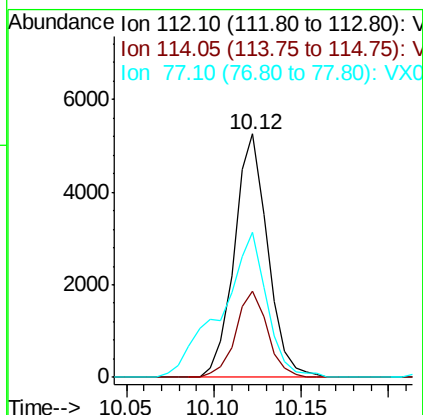
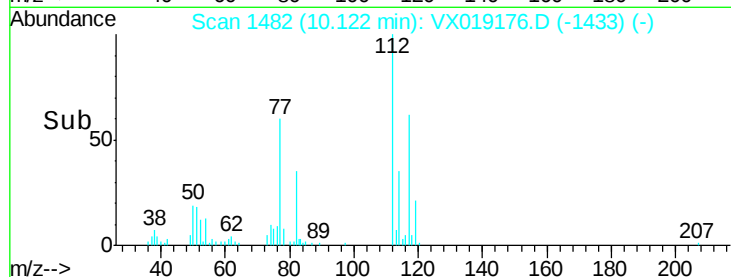
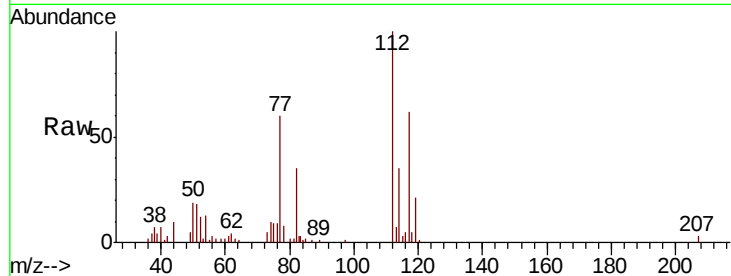
Tot Ion: 112 Resp: 6945

Ion Ratio Lower Upper

112 100

114 35.3 22.5 41.9

77 59.6 46.2 69.2



#52

Ethylbenzene

Concen: 0.191 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX019176.D

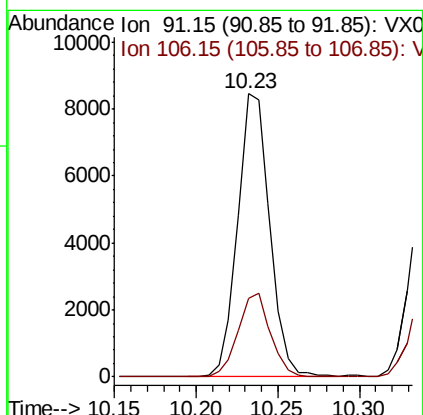
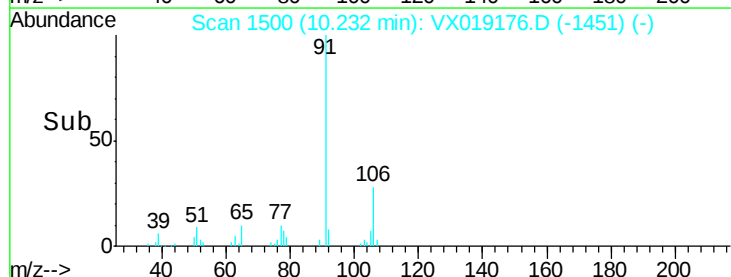
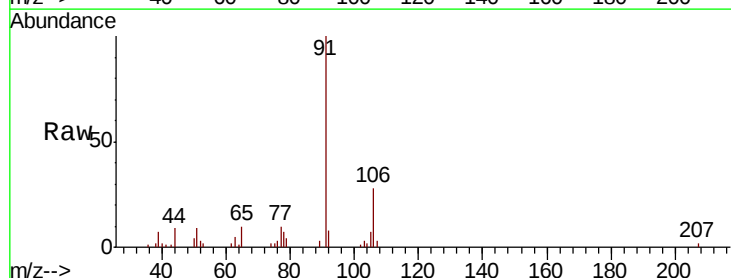
Acq: 28 Oct 2020 20:50

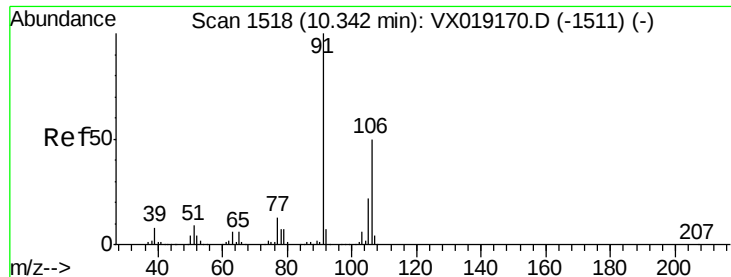
Tgt Ion: 91 Resp: 11613

Ion Ratio Lower Upper

91 100

106 27.6 21.1 39.1





#53

m,p-xylene

Concen: 0.196 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX019176.D

Acq: 28 Oct 2020 20:50

Instrument :

MSVOA_X

ClientSampleId :

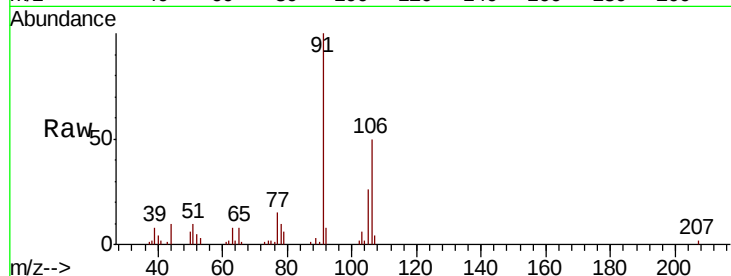
MDL-WATER-01

Tot Ion:106 Resp: 4586

Ion Ratio Lower Upper

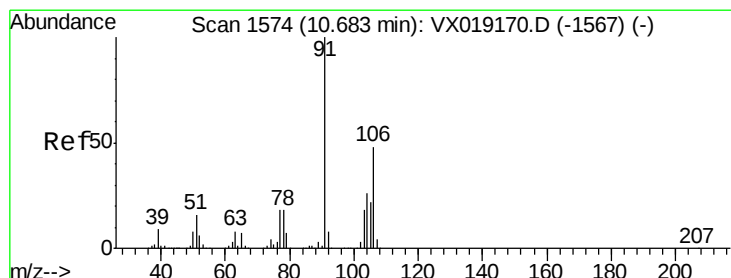
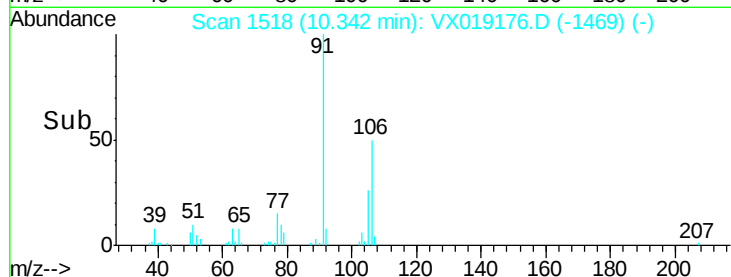
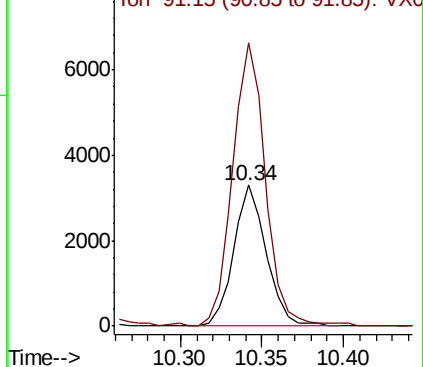
106 100

91 200.5 141.5 262.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#54

o-xylene

Concen: 0.192 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX019176.D

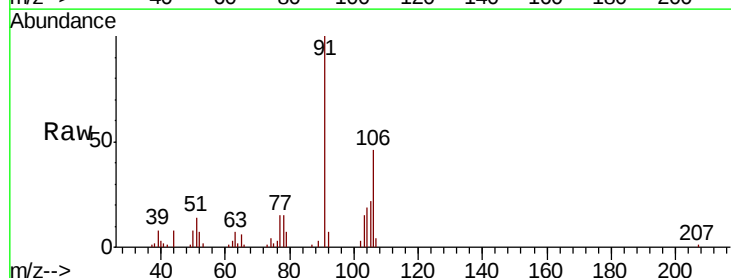
Acq: 28 Oct 2020 20:50

Tgt Ion:106 Resp: 4302

Ion Ratio Lower Upper

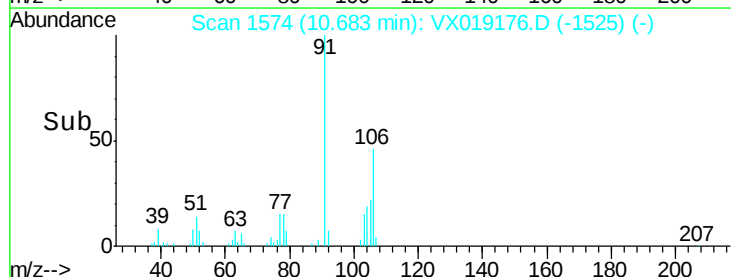
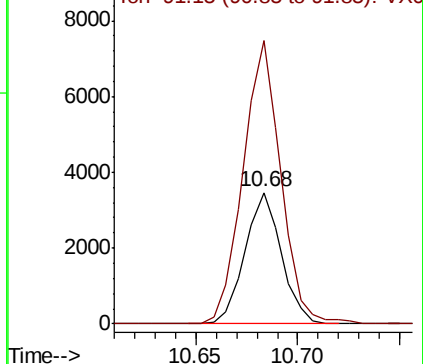
106 100

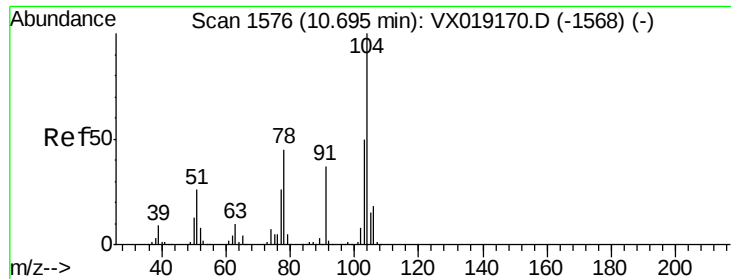
91 215.3 145.9 271.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#55

Stvrene

Concen: 0.176 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX019176.D

Acq: 28 Oct 2020 20:50

Instrument :

MSVOA_X

ClientSampled :

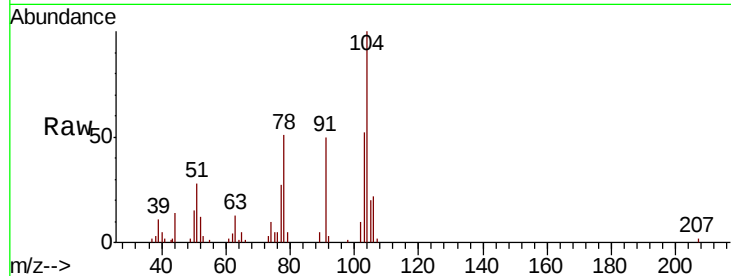
MDL-WATER-01

Tot Ion:104 Resp: 6444

Ion Ratio Lower Upper

104 100

78 51.4 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VX0

10.70

4000

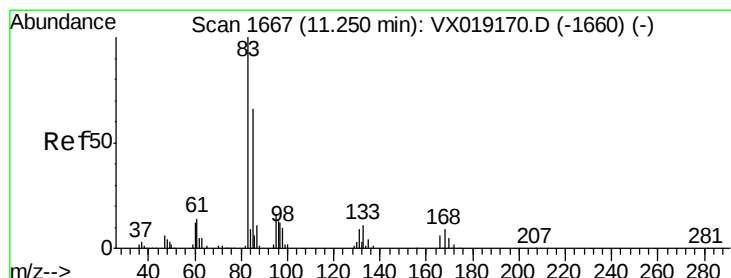
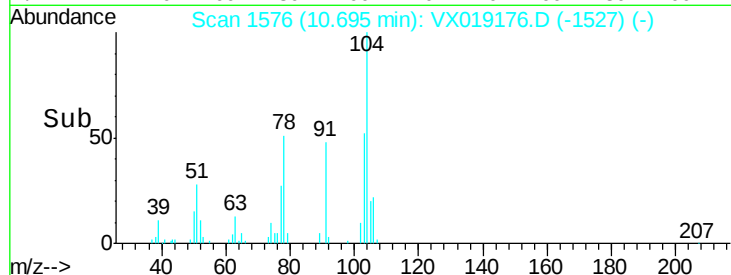
3000

2000

1000

0

Time-->



#57

1,1,2,2-Tetrachloroethane

Concen: 0.217 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX019176.D

Acq: 28 Oct 2020 20:50

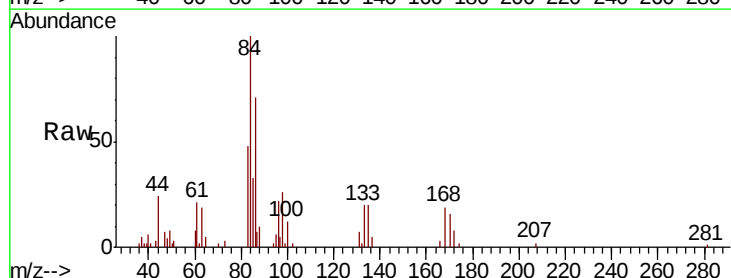
Tgt Ion: 83 Resp: 2142

Ion Ratio Lower Upper

83 100

85 70.1 46.0 85.4

131 14.9 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

11.25

2000

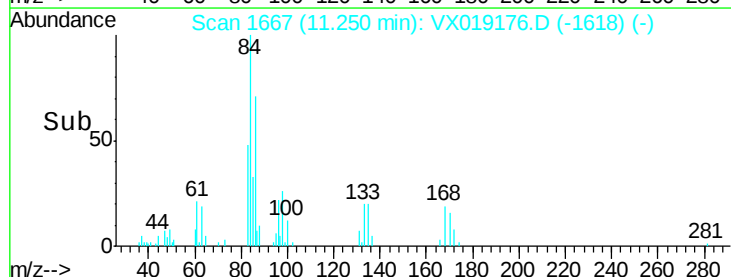
1500

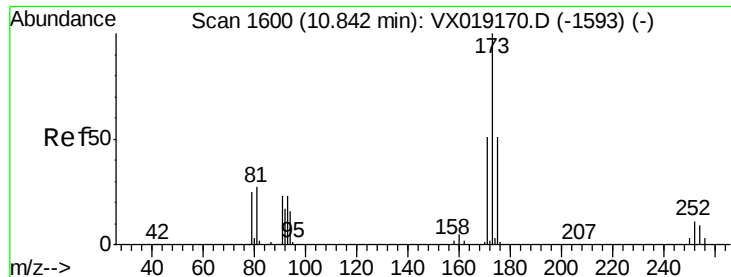
1000

500

0

Time-->





#59

Bromoform

Concen: 0.170 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX019176.D

Acq: 28 Oct 2020 20:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-01

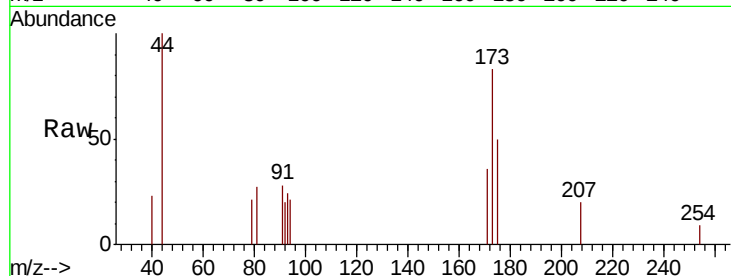
Tot Ion:173 Resp: 860

Ion Ratio Lower Upper

173 100

175 46.4 38.6 57.8

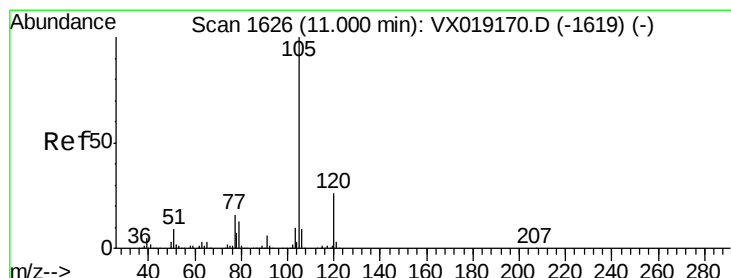
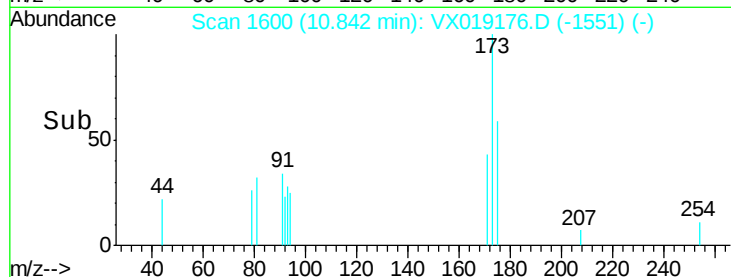
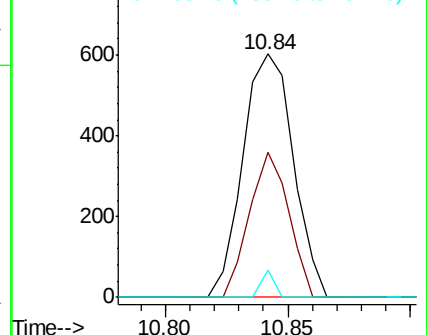
254 2.9 7.4 11.0#



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: 0.201 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019176.D

Acq: 28 Oct 2020 20:50

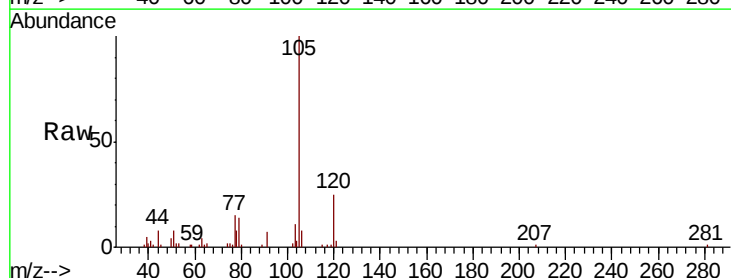
Tgt Ion:105 Resp: 11412

Ion Ratio Lower Upper

105 100

120 24.8 21.4 32.2

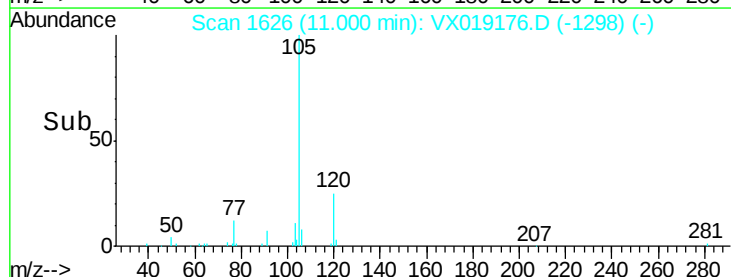
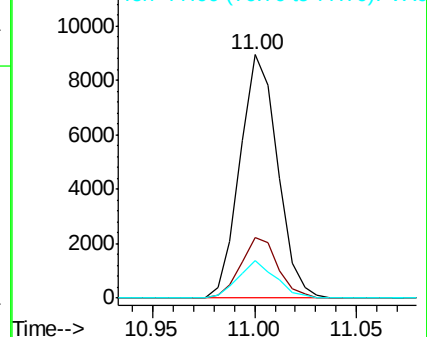
77 15.2 12.9 19.3

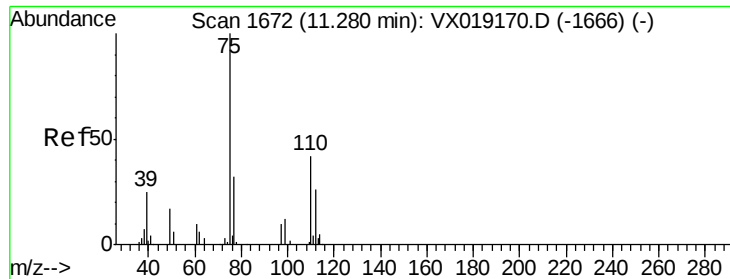


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

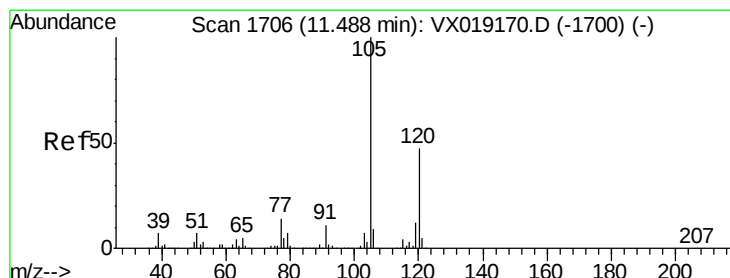
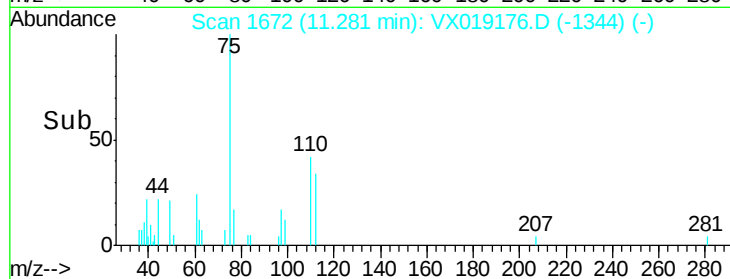
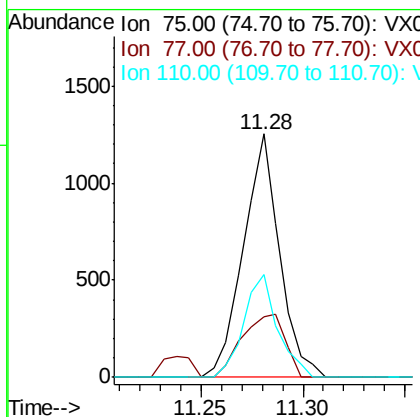
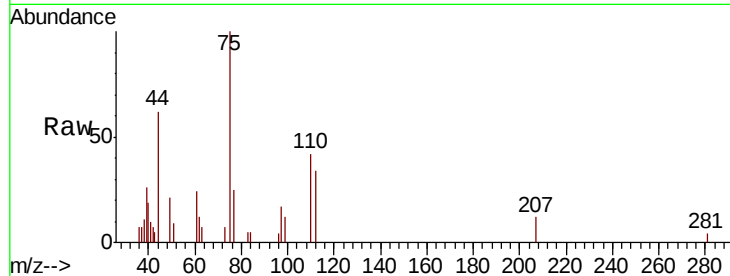




#61
 1,2,3-Trichloropropane
 Concen: 0.223 ug/L
 RT: 11.28 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VX019176.D
 Acq: 28 Oct 2020 20:50

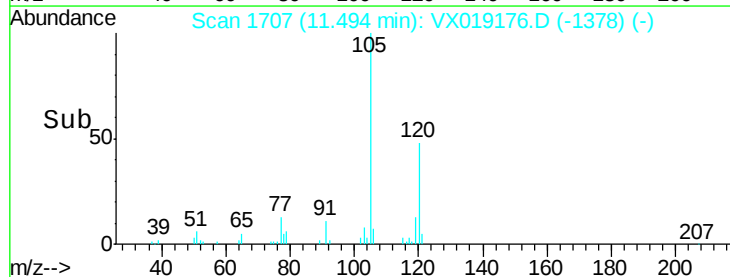
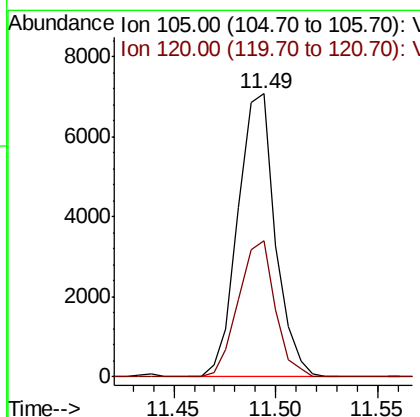
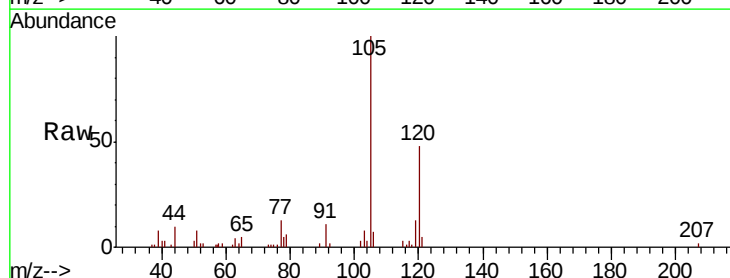
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-01

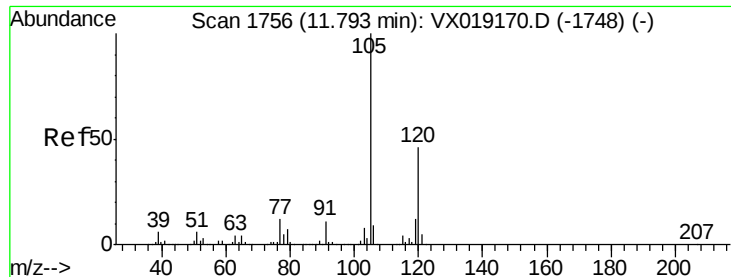
Tot Ion: 75 Resp: 1545
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.6 38.4
 110 39.5 32.4 48.6



#62
 1,3,5-Trimethylbenzene
 Concen: 0.190 ug/L
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.01 min
 Lab File: VX019176.D
 Acq: 28 Oct 2020 20:50

Tgt Ion: 105 Resp: 9023
 Ion Ratio Lower Upper
 105 100
 120 46.9 38.9 58.3

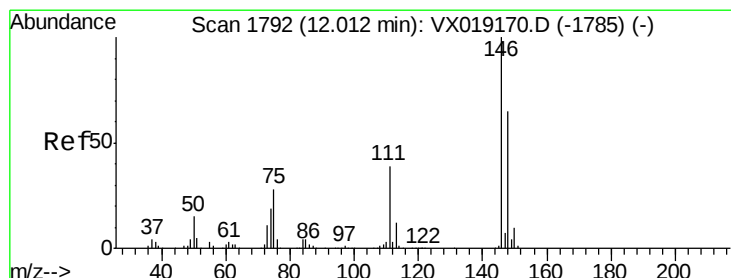
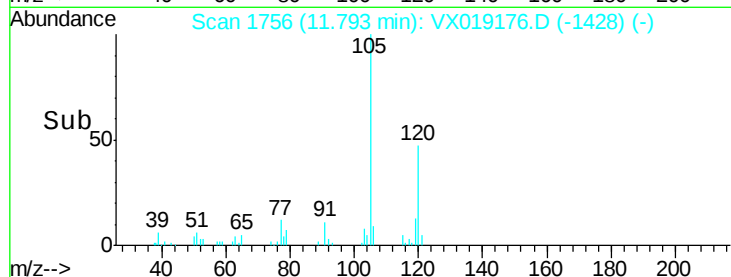
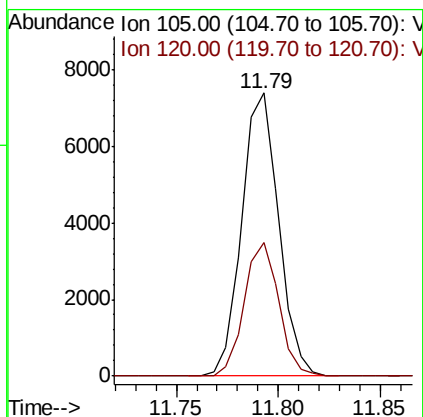
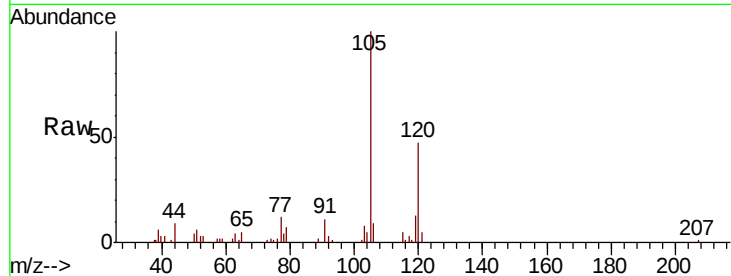




#63
 1,2,4-Trimethylbenzene
 Concen: 0.193 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX019176.D
 Acq: 28 Oct 2020 20:50

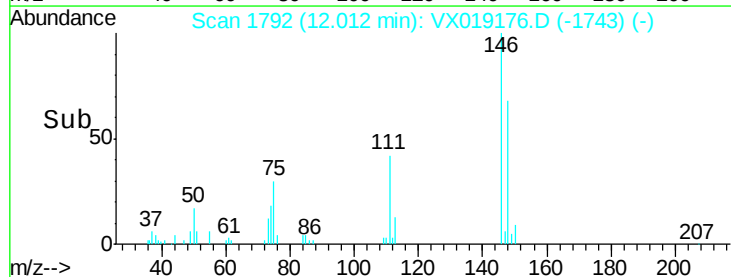
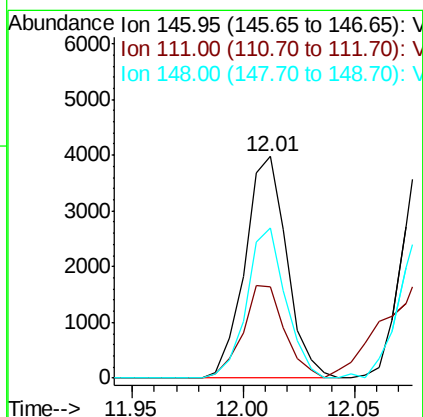
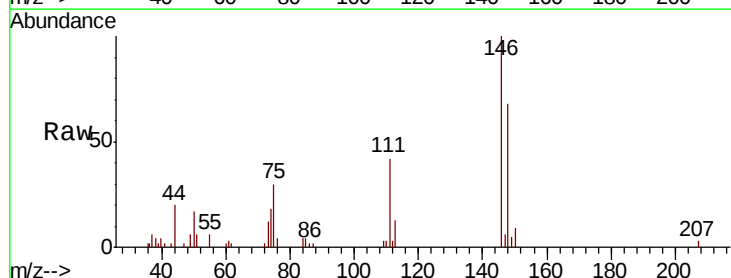
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-01

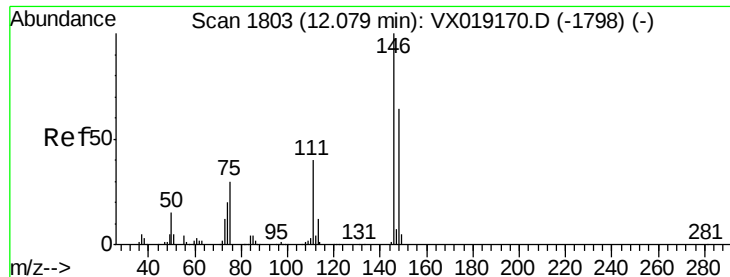
Tot Ion:105 Resp: 9268
 Ion Ratio Lower Upper
 105 100
 120 44.1 36.1 54.1



#64
 1,3-Dichlorobenzene
 Concen: 0.207 ug/L
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX019176.D
 Acq: 28 Oct 2020 20:50

Tgt Ion:146 Resp: 5215
 Ion Ratio Lower Upper
 146 100
 111 41.5 27.3 50.7
 148 67.7 45.4 84.2

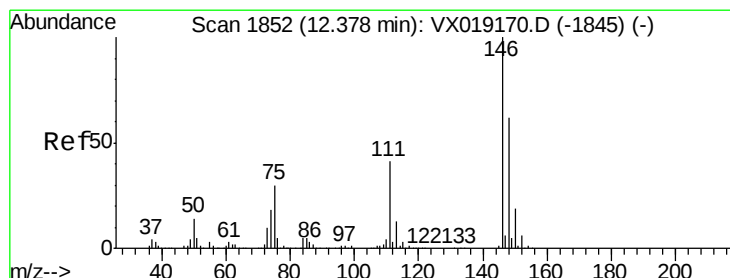
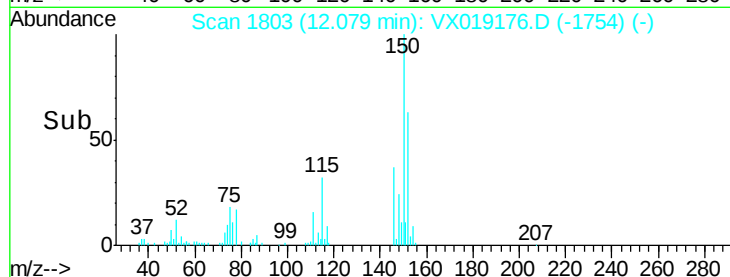
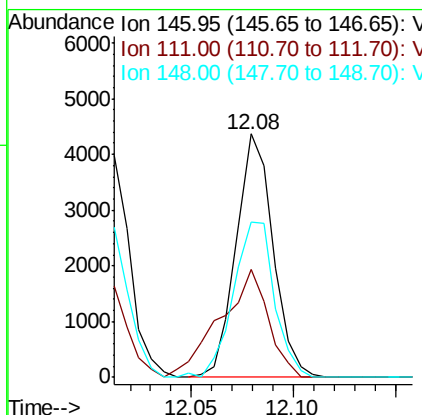
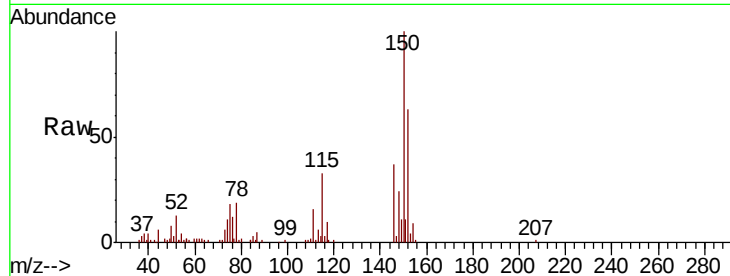




#65
 1,4-Dichlorobenzene
 Concen: 0.219 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX019176.D
 Acq: 28 Oct 2020 20:50

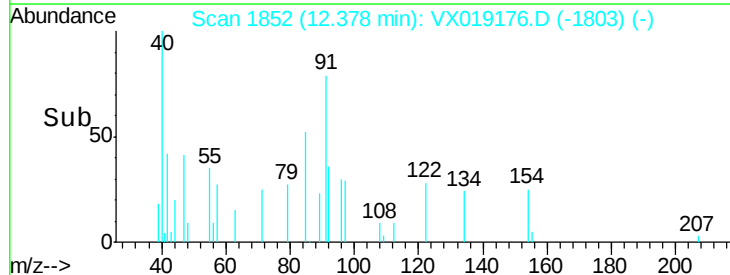
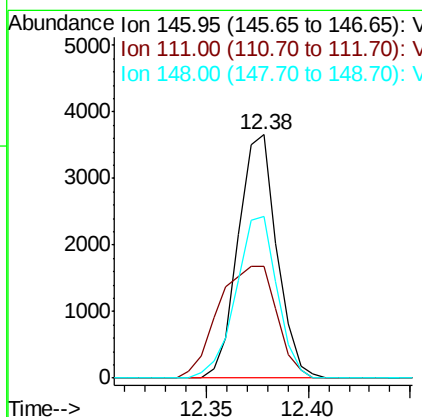
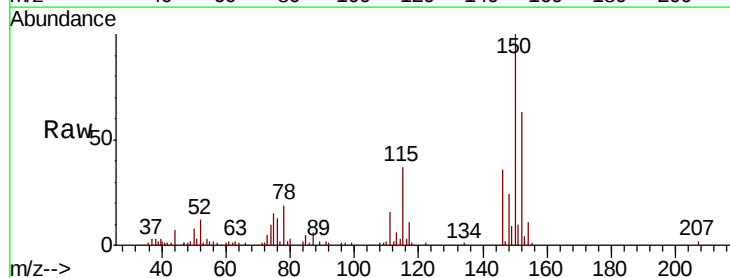
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-01

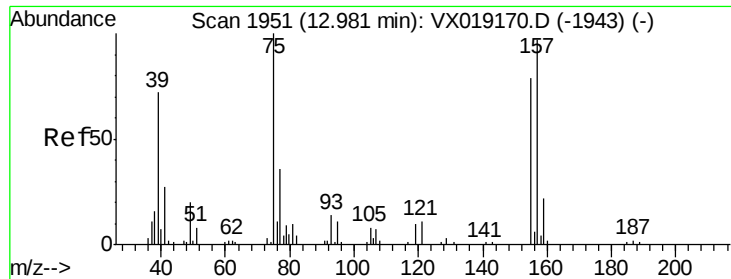
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	28.1	52.3
148	63.8	44.5	82.7



#67
 1,2-Dichlorobenzene
 Concen: 0.207 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX019176.D
 Acq: 28 Oct 2020 20:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.0	32.6	49.0
148	66.6	49.4	74.2





#68

1,2-Dibromo-3-chloropropane

Concen: 0.196 ug/L

RT: 12.99 min Scan# 1952

Delta R.T. 0.01 min

Lab File: VX019176.D

Acq: 28 Oct 2020 20:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-01

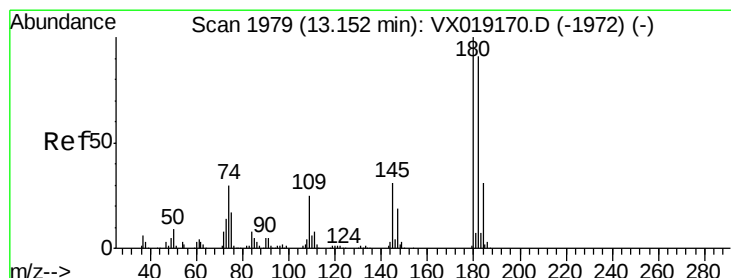
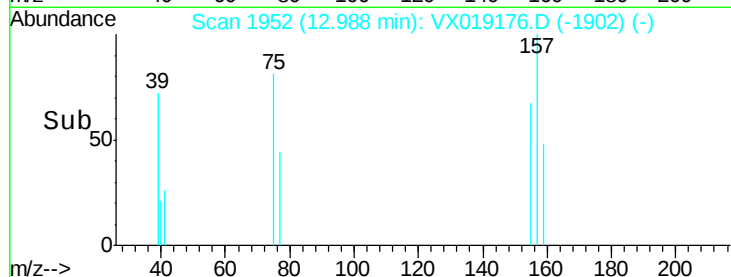
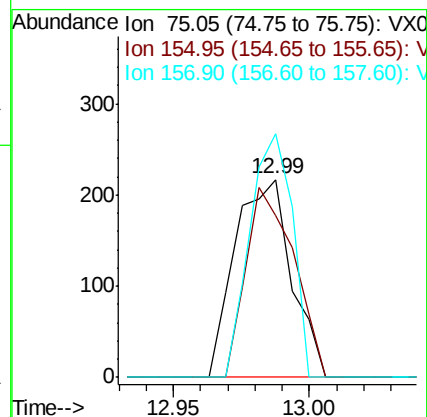
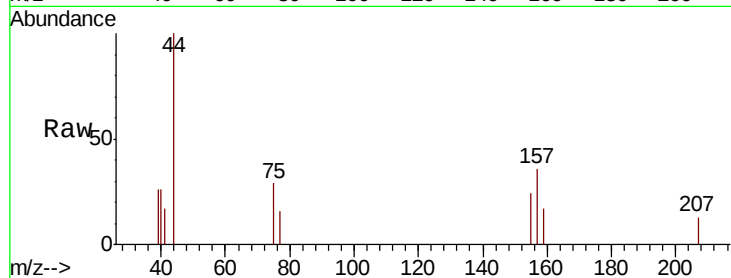
Tot Ion: 75 Resp: 311

Ion Ratio Lower Upper

75 100

155 82.0 62.9 94.3

157 123.0 77.5 116.3#



#69

1,3,5-Trichlorobenzene

Concen: 0.197 ug/L

RT: 13.15 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VX019176.D

Acq: 28 Oct 2020 20:50

Tgt Ion:180 Resp: 3646

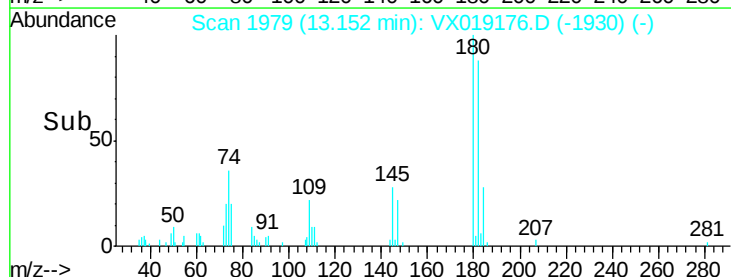
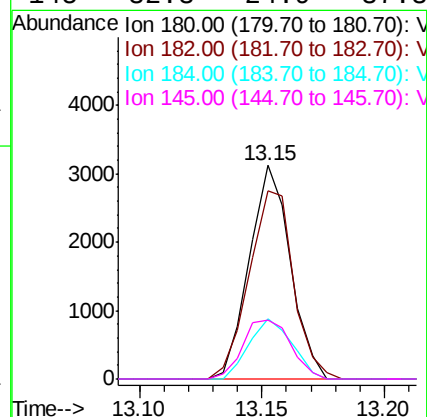
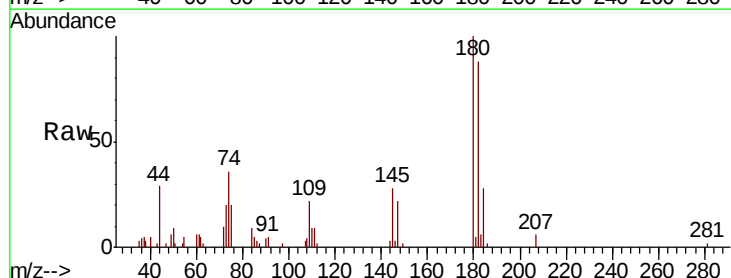
Ion Ratio Lower Upper

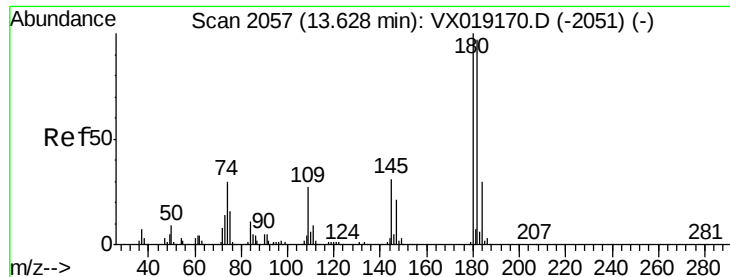
180 100

182 95.3 74.1 111.1

184 29.2 24.4 36.6

145 32.3 24.9 37.3

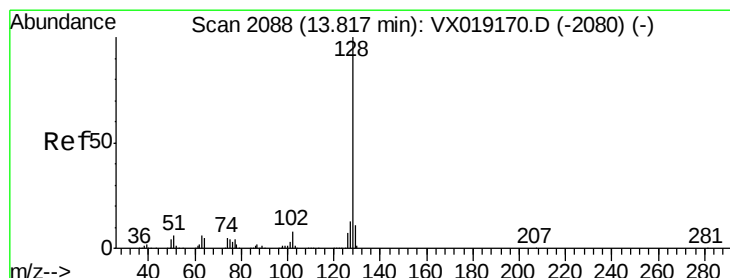
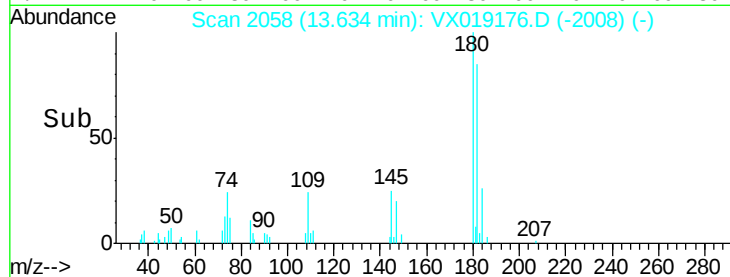
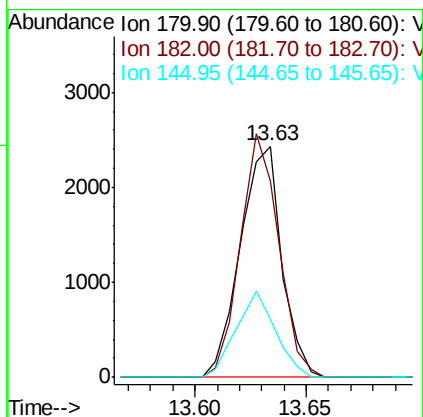
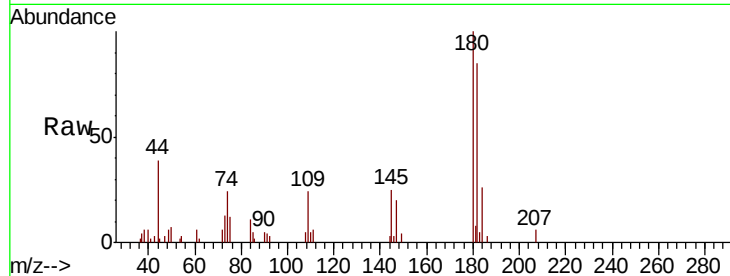




#70
 1,2,4-trichlorobenzene
 Concen: 0.196 ug/L
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX019176.D
 Acq: 28 Oct 2020 20:50

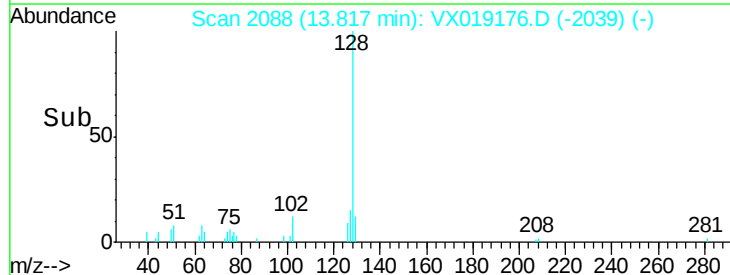
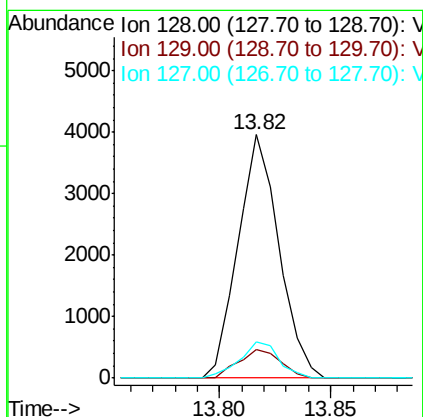
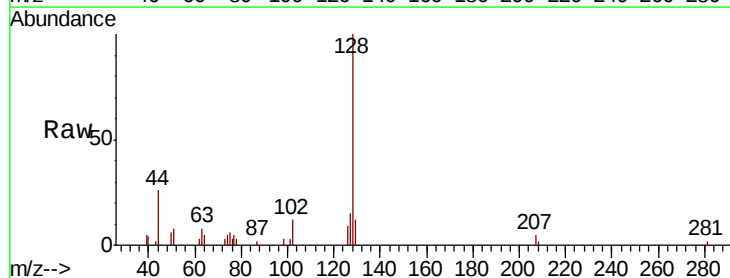
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-01

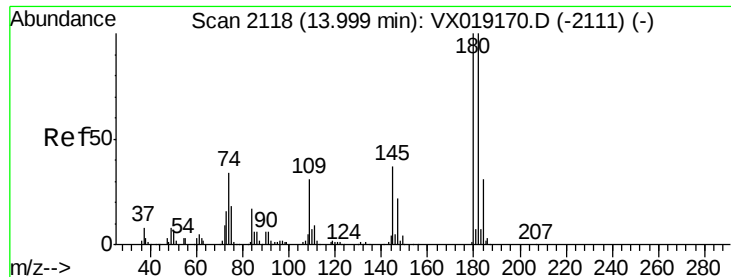
Tot Ion:180 Resp: 3161
 Ion Ratio Lower Upper
 180 100
 182 97.8 77.8 116.6
 145 35.2 25.0 37.4



#71
 Naphthalene
 Concen: 0.175 ug/L
 RT: 13.82 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VX019176.D
 Acq: 28 Oct 2020 20:50

Tgt Ion:128 Resp: 5084
 Ion Ratio Lower Upper
 128 100
 129 11.9 8.6 13.0
 127 14.1 10.1 15.1

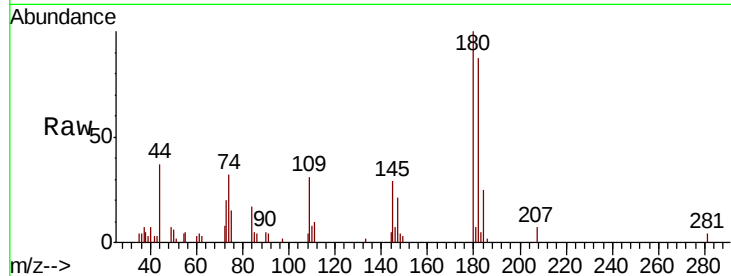




#72
 1,2,3-Trichlorobenzene
 Concen: 0.195 ug/L
 RT: 14.00 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VX019176.D
 Acq: 28 Oct 2020 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	77.0	115.4
145	34.1	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

