

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX110120\
 Data File : VX019201.D
 Acq On : 30 Oct 2020 14:41
 Operator : JC/MD
 Sample : L4485-14
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 MDL-WATER-07

Quant Time: Oct 30 15:04:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR102920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 30 08:55:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.82	114	218971	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.09	117	196523	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	93303	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	54845	3.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.40%
7) Chloroethane-d5	1.70	69	47202	4.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.00%
11) 1,1-Dichloroethene-d2	2.34	63	84766	3.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.20%
20) 2-Butanone-d5	4.56	46	136087	43.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.92%
24) Chloroform-d	5.14	84	108241	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.00%
26) 1,2-Dichloroethane-d4	6.03	65	58364	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.60%
32) Benzene-d6	6.04	84	221901	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.80%
36) 1,2-Dichloropropane-d6	7.37	67	66024	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.00%
41) Toluene-d8	8.70	98	203566	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.20%
43) trans-1,3-Dichloropropene-	8.99	79	25601	3.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.40%
46) 2-Hexanone-d5	9.43	63	125547	43.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.80%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	47896	4.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.20%
66) 1,2-Dichlorobenzene-d4	12.36	152	70987	4.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	4052	0.224 ug/L	99
3) Chloromethane	1.31	50	3713	0.238 ug/L	98
5) Vinyl chloride	1.39	62	4181	0.238 ug/L #	78
6) Bromomethane	1.64	94	2927	0.258 ug/L	99
8) Chloroethane	1.72	64	2614	0.245 ug/L	97
9) Trichlorofluoromethane	1.92	101	6001	0.236 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	3997	0.277 ug/L	86
12) 1,1-Dichloroethene	2.36	96	3720	0.265 ug/L #	1
13) Acetone	2.47	43	4147	2.349 ug/L	92
14) Carbon disulfide	2.55	76	9546	0.219 ug/L	99
15) Methyl Acetate	2.75	43	1312	0.279 ug/L	93
16) Methylene chloride	2.83	84	7372	0.440 ug/L	96
17) Methyl tert-butyl Ether	3.17	73	7827	0.233 ug/L #	92
18) trans-1,2-Dichloroethene	3.14	96	3186	0.216 ug/L	92
19) 1,1-Dichloroethane	3.67	63	5629	0.223 ug/L	97
22) cis-1,2-Dichloroethene	4.56	96	3556	0.226 ug/L	92
23) Bromochloromethane	4.99	128	1493	0.228 ug/L #	67

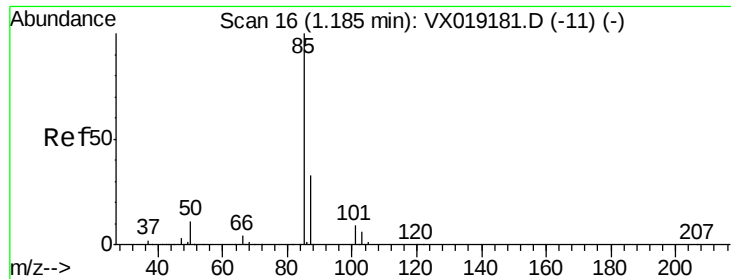
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110120\
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.18	83	6923	0.263	ug/L	85
27) 1,2-Dichloroethane	6.15	62	3996	0.243	ug/L	99
29) 1,1,1-Trichloroethane	5.46	97	5279	0.218	ug/L	98
30) Cyclohexane	5.54	56	5406	0.224	ug/L	98
31) Carbon tetrachloride	5.75	117	4451	0.215	ug/L	100
33) Benzene	6.11	78	13327	0.228	ug/L	100
34) Trichloroethene	7.18	95	3712	0.232	ug/L #	72
35) Methylcyclohexane	7.43	83	5792	0.224	ug/L	97
37) 1,2-Dichloropropane	7.49	63	3091	0.224	ug/L #	95
38) Bromodichloromethane	7.87	83	3781	0.210	ug/L #	94
39) cis-1,3-Dichloropropene	8.42	75	4456	0.210	ug/L	98
40) 4-Methyl-2-pentanone	8.62	43	16449	2.232	ug/L #	86
42) Toluene	8.76	91	14161	0.224	ug/L	98
44) trans-1,3-Dichloropropene	9.02	75	4835	0.272	ug/L	93
45) 1,1,2-Trichloroethane	9.20	97	2355	0.234	ug/L	89
47) Tetrachloroethene	9.32	164	2953	0.242	ug/L	92
48) 2-Hexanone	9.48	43	12455	2.417	ug/L	97
49) Dibromochloromethane	9.56	129	2438	0.209	ug/L	100
50) 1,2-Dibromoethane	9.65	107	2163	0.232	ug/L #	91
51) Chlorobenzene	10.12	112	8620	0.215	ug/L	91
52) Ethylbenzene	10.23	91	15056	0.213	ug/L	97
53) m,p-xylene	10.34	106	5636	0.208	ug/L	96
54) o-xylene	10.68	106	5483	0.211	ug/L	96
55) Styrene	10.70	104	8326	0.196	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.25	83	2830	0.247	ug/L #	92
59) Bromoform	10.84	173	1247	0.204	ug/L #	99
60) Isopropylbenzene	11.00	105	14328	0.209	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	1914	0.229	ug/L	98
62) 1,3,5-Trimethylbenzene	11.49	105	11644	0.203	ug/L	100
63) 1,2,4-Trimethylbenzene	11.79	105	11454	0.197	ug/L	98
64) 1,3-Dichlorobenzene	12.01	146	6425	0.211	ug/L	94
65) 1,4-Dichlorobenzene	12.08	146	6624	0.218	ug/L	96
67) 1,2-Dichlorobenzene	12.38	146	6272	0.224	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.98	75	436	0.228	ug/L #	69
69) 1,3,5-Trichlorobenzene	13.15	180	4802	0.215	ug/L	98
70) 1,2,4-trichlorobenzene	13.63	180	3852	0.197	ug/L	96
71) Naphthalene	13.82	128	6251	0.178	ug/L #	96
72) 1,2,3-Trichlorobenzene	14.01	180	3446	0.200	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 0.224 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

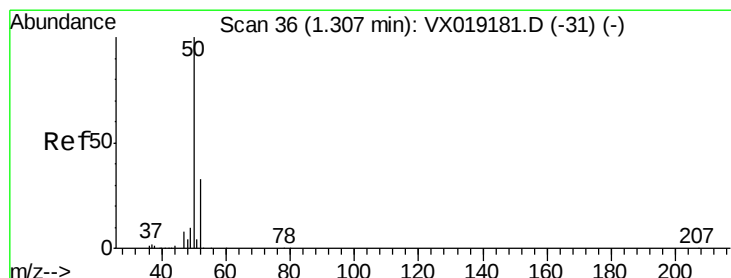
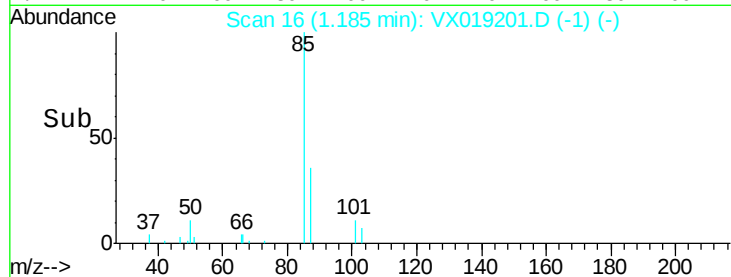
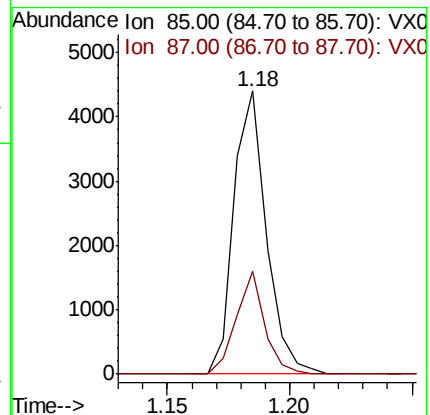
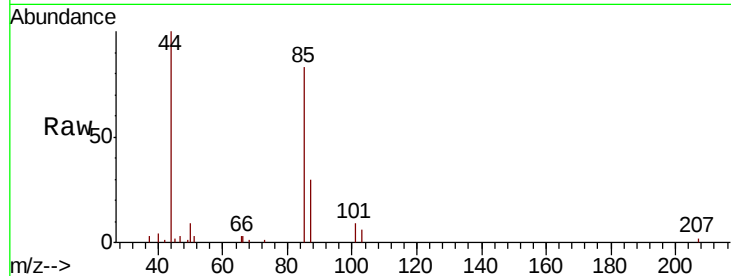
MDL-WATER-07

Tot Ion: 85 Resp: 4052

Ion Ratio Lower Upper

85 100

87 31.8 26.1 39.1



#3

Chloromethane

Concen: 0.238 ug/L

RT: 1.31 min Scan# 36

Delta R.T. 0.00 min

Lab File: VX019201.D

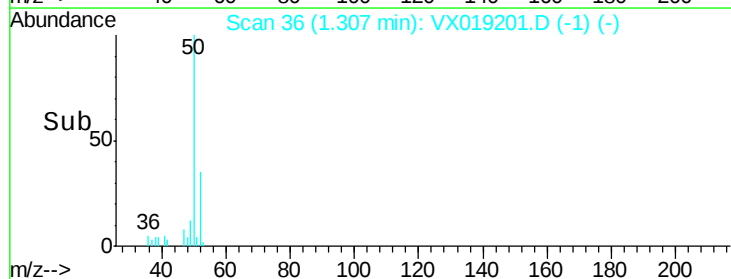
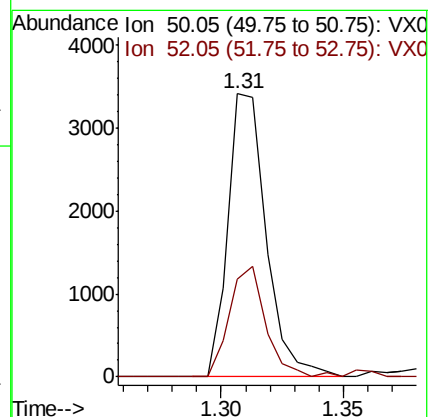
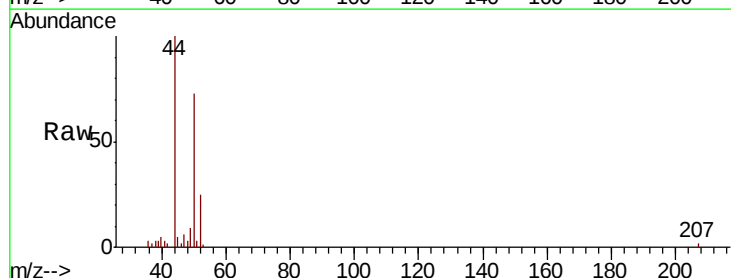
Acq: 30 Oct 2020 14:41

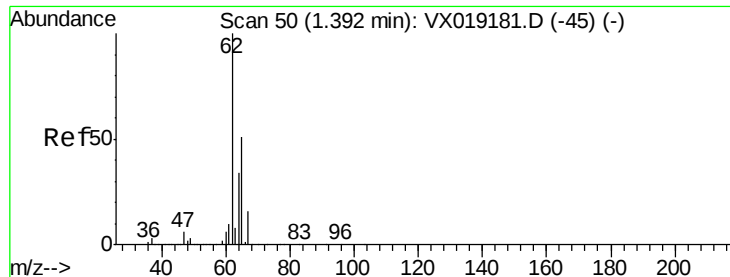
Tgt Ion: 50 Resp: 3713

Ion Ratio Lower Upper

50 100

52 34.5 23.4 43.6





#5

Vinyl chloride

Concen: 0.238 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

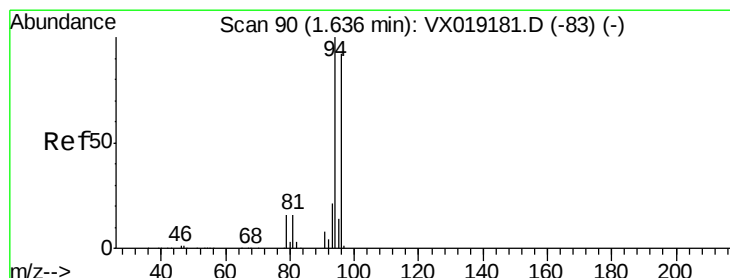
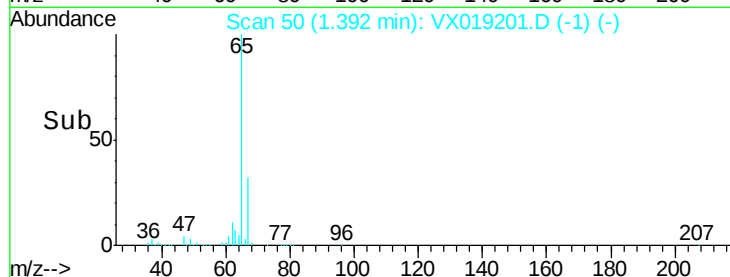
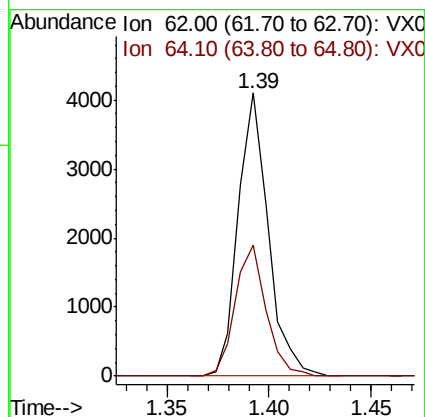
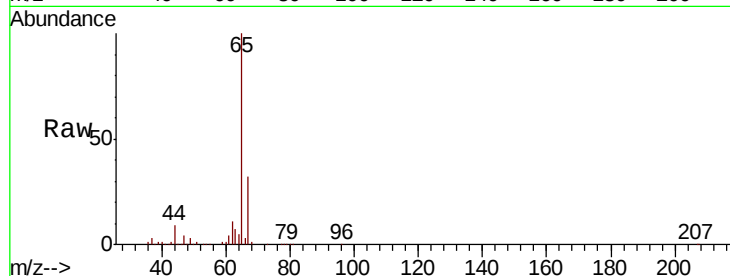
MDL-WATER-07

Tot Ion: 62 Resp: 4181

Ion Ratio Lower Upper

62 100

64 46.1 23.5 43.7#



#6

Bromomethane

Concen: 0.258 ug/L

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019201.D

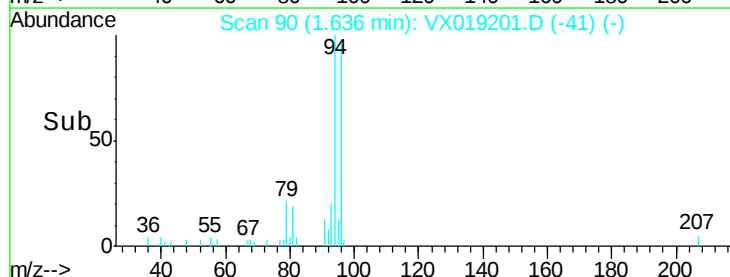
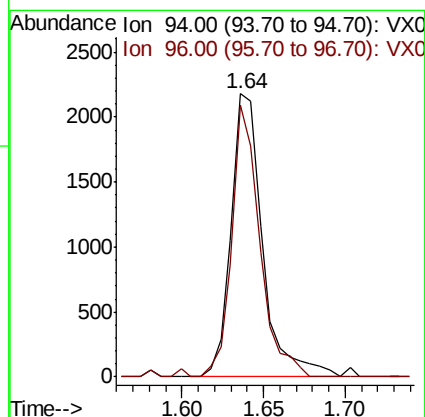
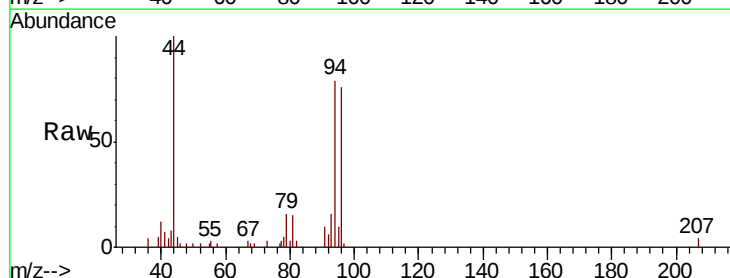
Acq: 30 Oct 2020 14:41

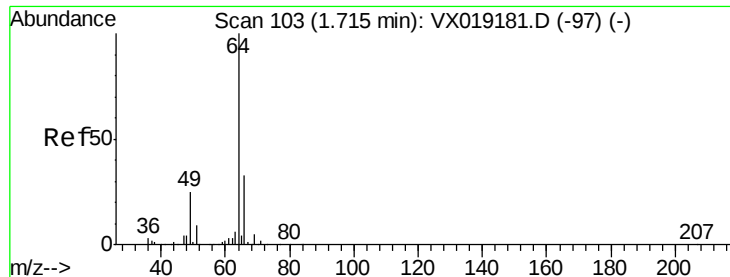
Tgt Ion: 94 Resp: 2927

Ion Ratio Lower Upper

94 100

96 96.1 67.9 126.1

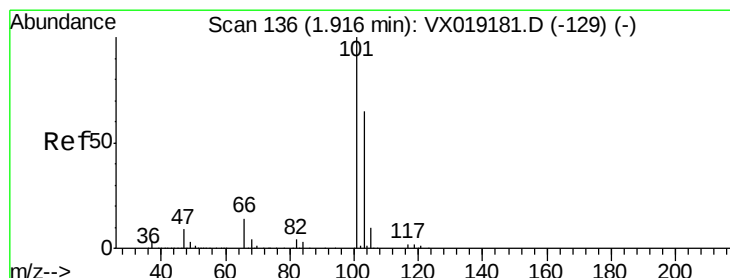
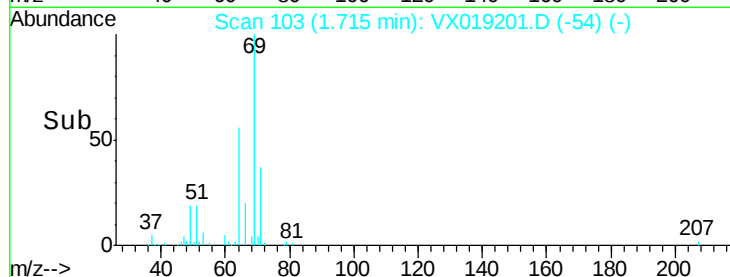
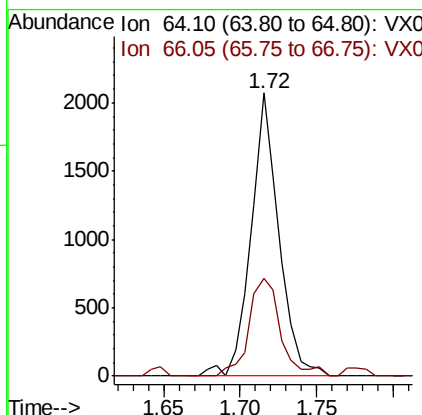
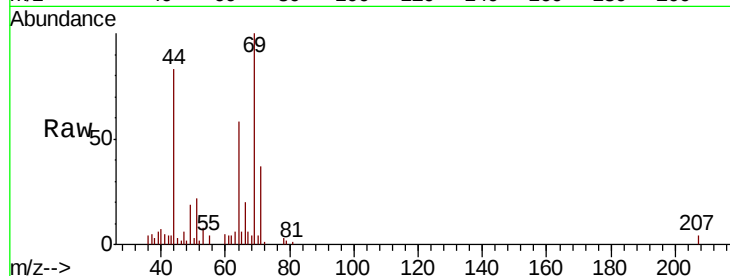




#8
Chloroethane
Concen: 0.245 ug/L
RT: 1.72 min Scan# 103
Delta R.T. 0.00 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

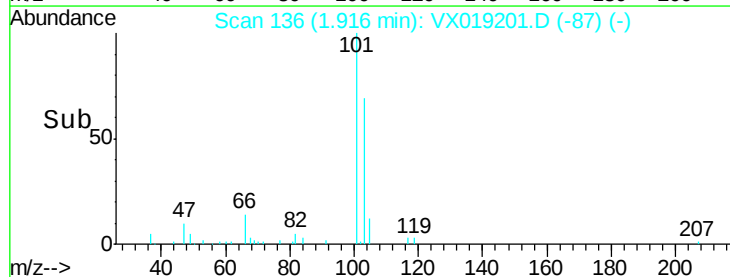
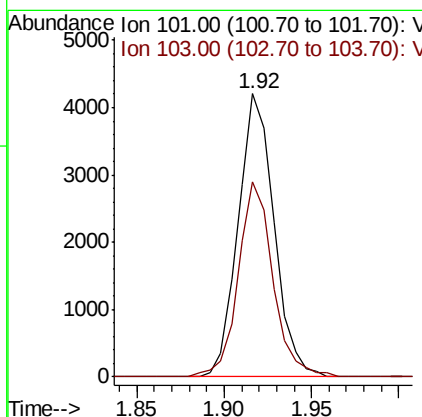
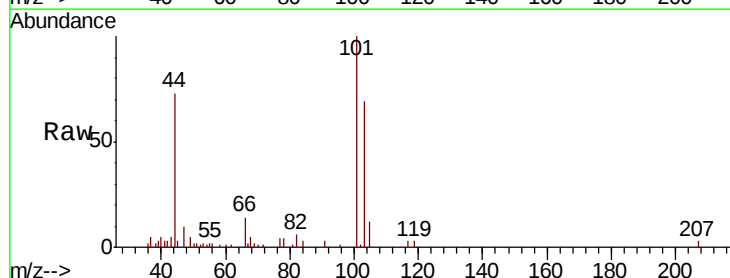
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-07

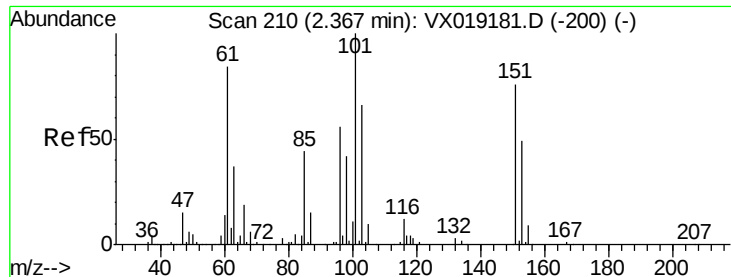
Tot Ion: 64 Resp: 2614
Ion Ratio Lower Upper
64 100
66 34.3 22.7 42.1



#9
Trichlorofluoromethane
Concen: 0.236 ug/L
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Tgt Ion: 101 Resp: 6001
Ion Ratio Lower Upper
101 100
103 66.5 51.9 77.9





#10

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

Concen: 0.277 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-07

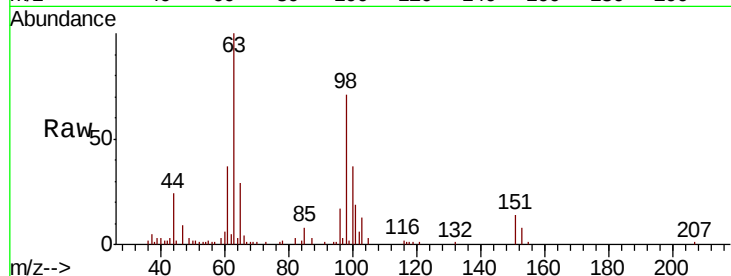
Tot Ion:101 Resp: 3997

Ion Ratio Lower Upper

101 100

85 36.3 35.3 52.9

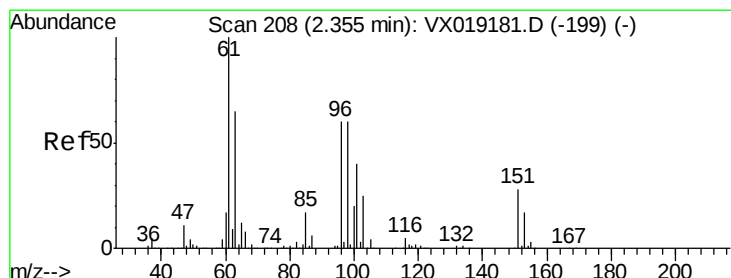
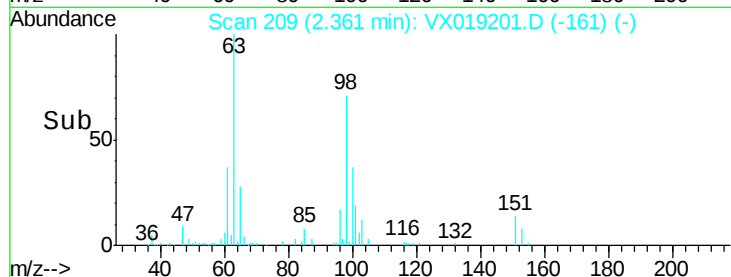
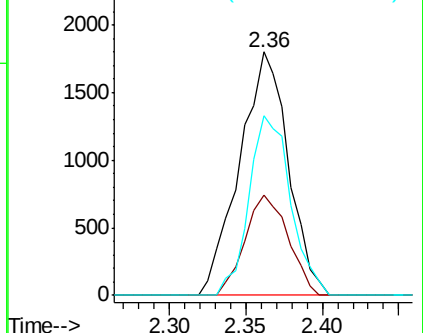
151 62.9 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.265 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

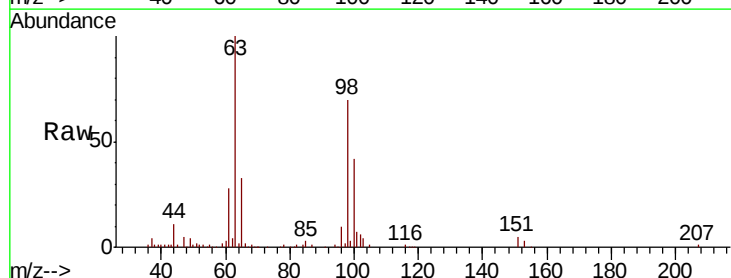
Tgt Ion: 96 Resp: 3720

Ion Ratio Lower Upper

96 100

61 284.4 109.5 203.3#

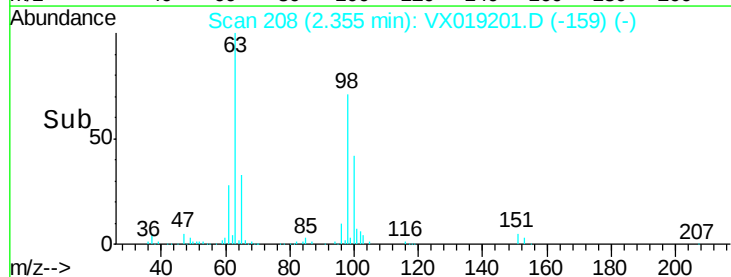
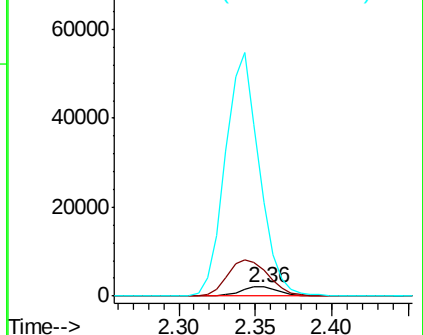
63 1030.5 68.3 126.9#

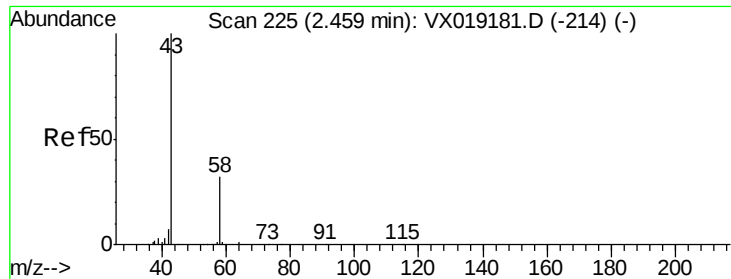


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 2.349 ug/L

RT: 2.47 min Scan# 226

Delta R.T. 0.01 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

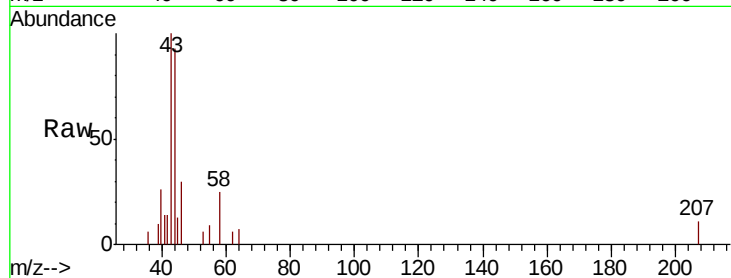
MDL-WATER-07

Tot Ion: 43 Resp: 4147

Ion Ratio Lower Upper

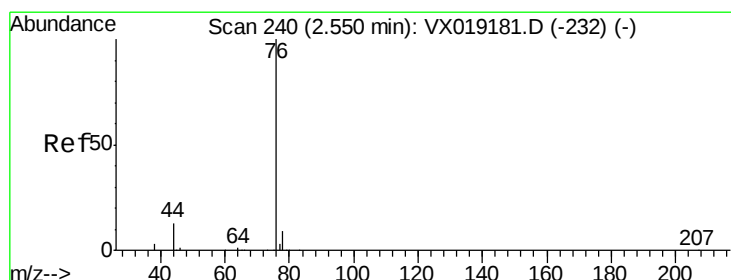
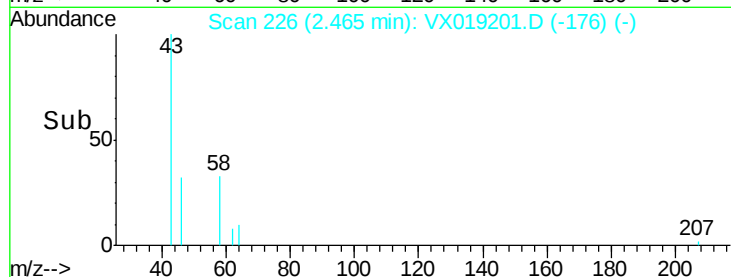
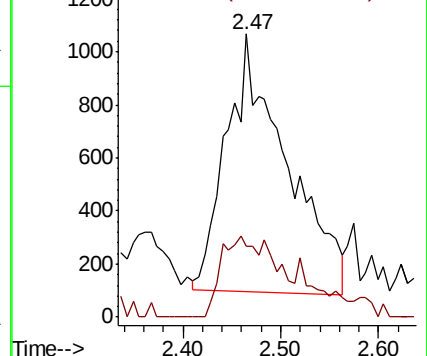
43 100

58 28.4 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: 0.219 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019201.D

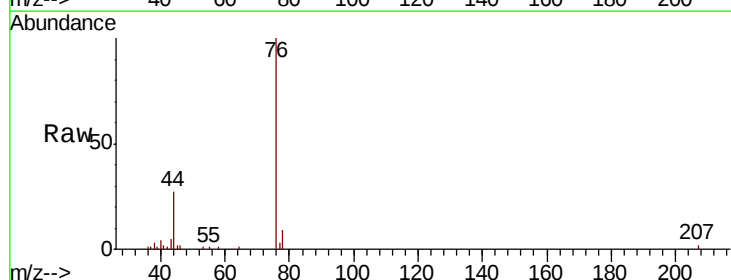
Acq: 30 Oct 2020 14:41

Tgt Ion: 76 Resp: 9546

Ion Ratio Lower Upper

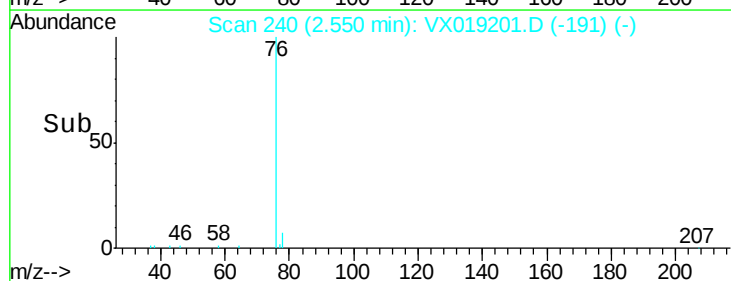
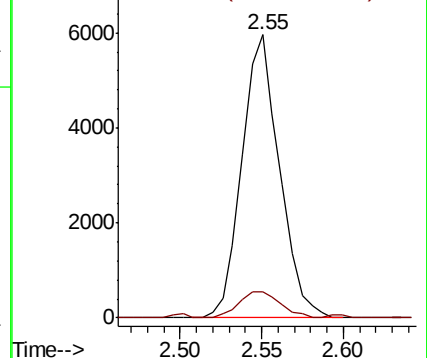
76 100

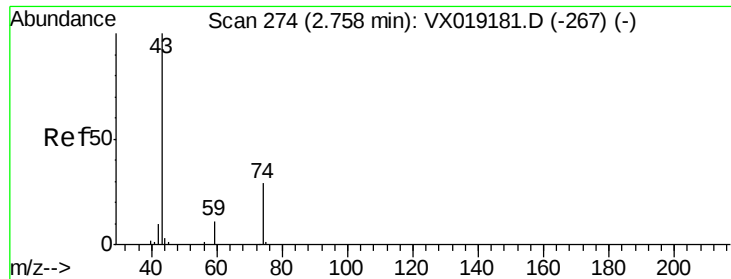
78 9.4 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0





#15

Methyl Acetate

Concen: 0.279 ug/L

RT: 2.75 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

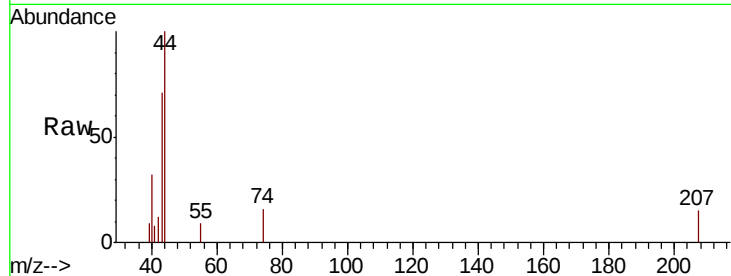
MDL-WATER-07

Tot Ion: 43 Resp: 1312

Ion Ratio Lower Upper

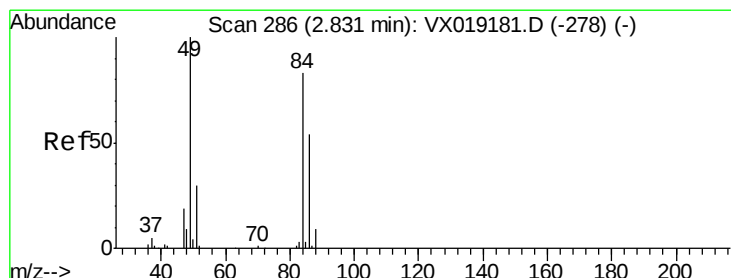
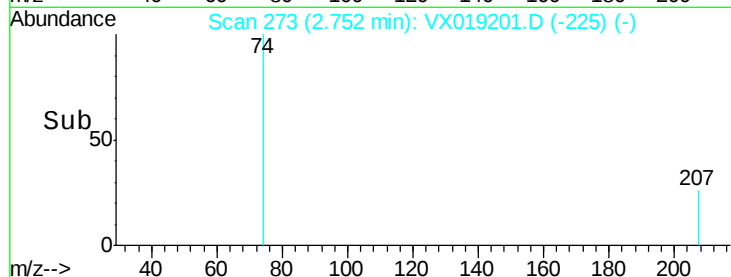
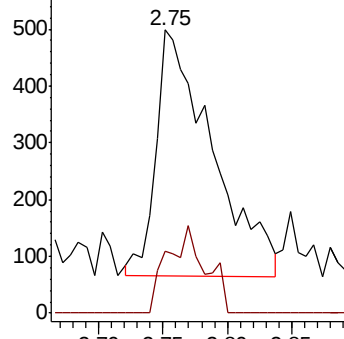
43 100

74 24.2 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: 0.440 ug/L

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

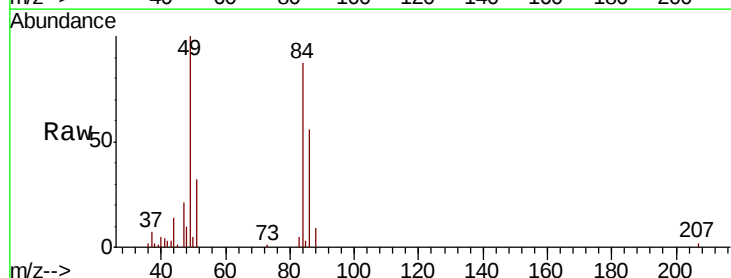
Tgt Ion: 84 Resp: 7372

Ion Ratio Lower Upper

84 100

86 64.5 42.2 78.4

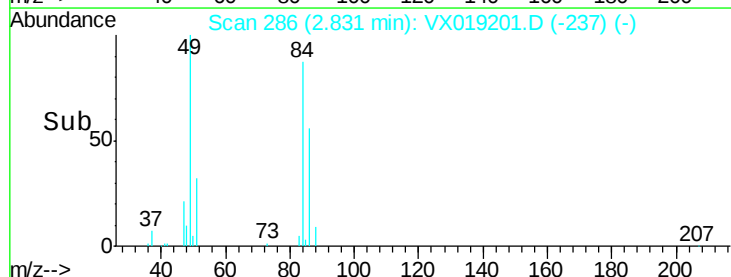
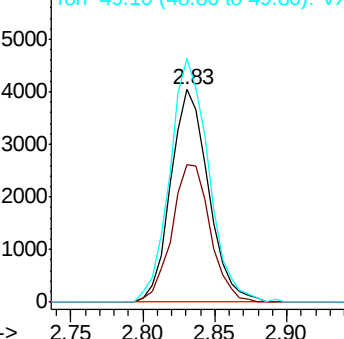
49 114.6 77.5 143.9

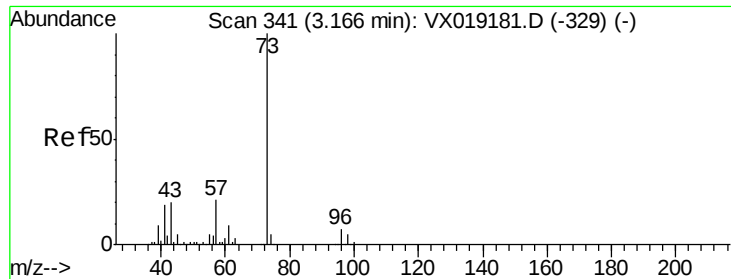


Abundance Ion 84.05 (83.75 to 84.75): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.10 (48.80 to 49.80): VX0

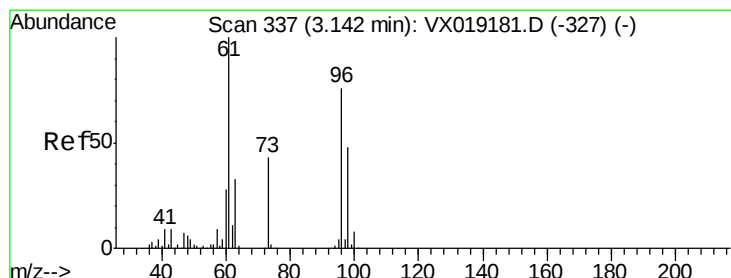
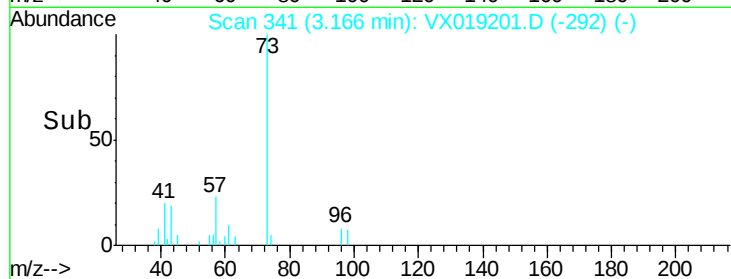
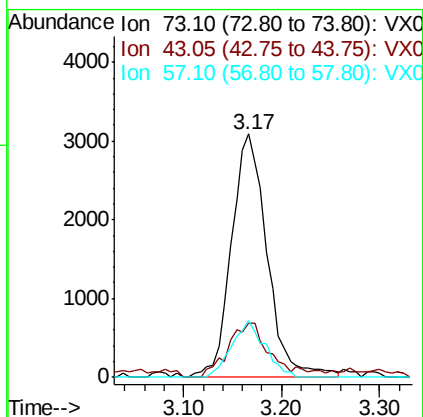
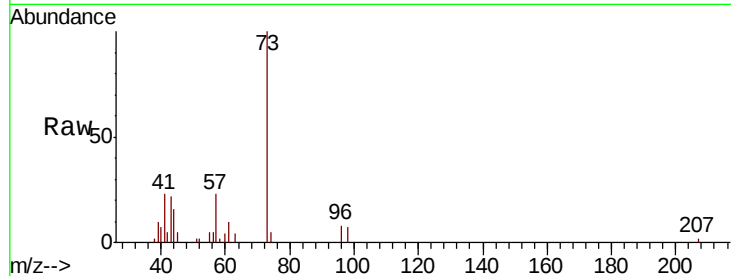




#17
Methvl tert-butvl Ether
Concen: 0.233 ug/L
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

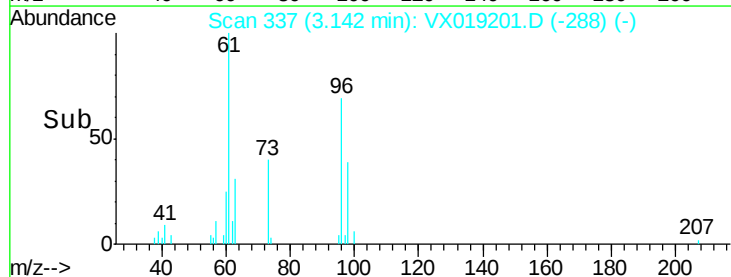
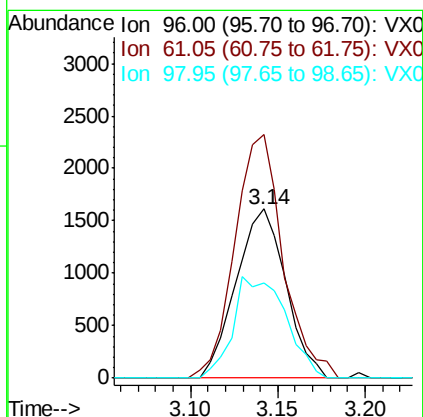
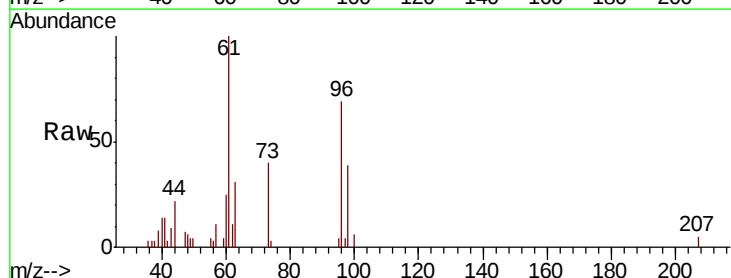
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-07

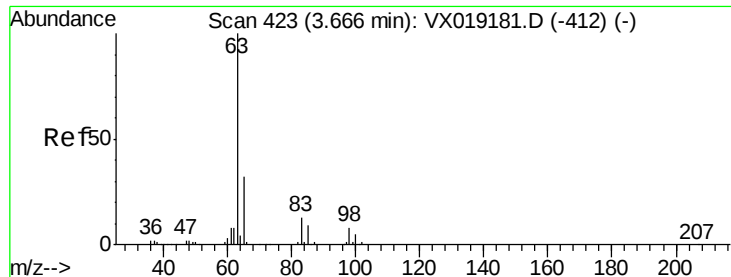
Tot Ion: 73 Resp: 7827
Ion Ratio Lower Upper
73 100
43 26.9 16.1 24.1#
57 21.4 16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 0.216 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Tgt Ion: 96 Resp: 3186
Ion Ratio Lower Upper
96 100
61 144.0 93.7 173.9
98 56.0 42.8 79.6

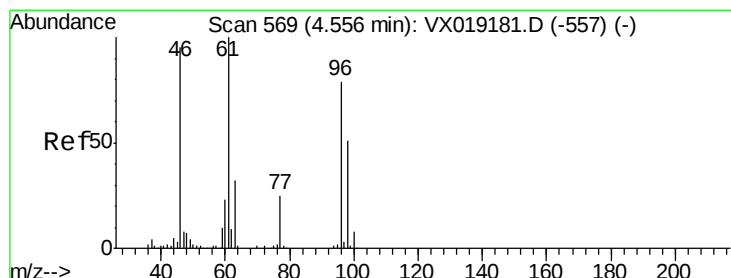
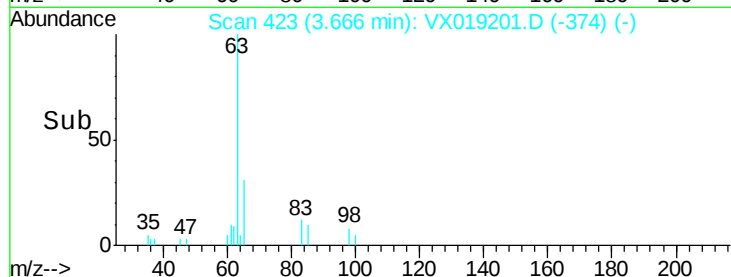
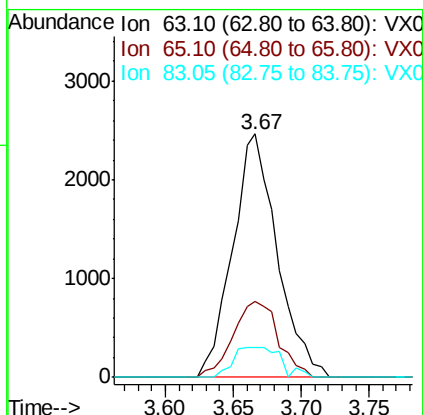
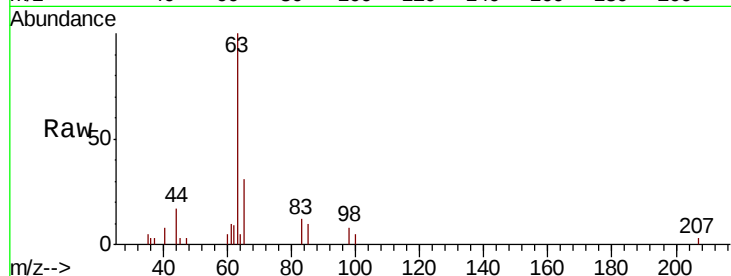




#19
 1,1-Dichloroethane
 Concen: 0.223 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: VX019201.D
 Acq: 30 Oct 2020 14:41

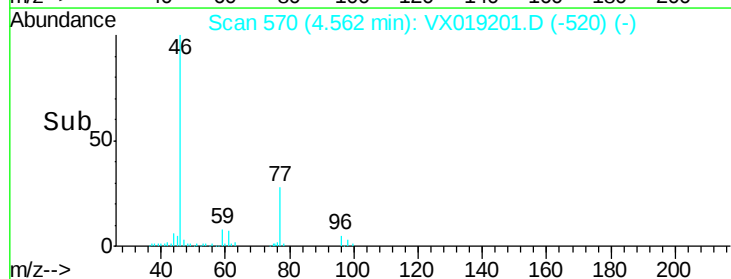
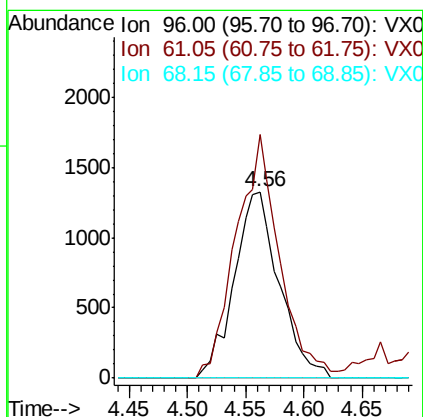
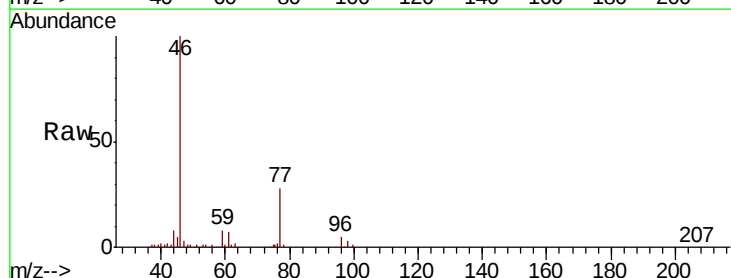
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-07

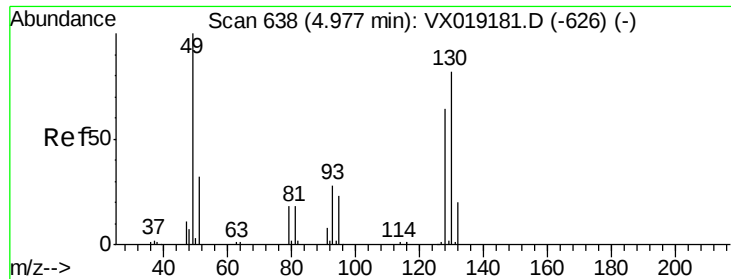
Tot Ion: 63 Resp: 5629
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.5 41.9
 83 12.1 9.7 17.9



#22
 cis-1,2-Dichloroethene
 Concen: 0.226 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VX019201.D
 Acq: 30 Oct 2020 14:41

Tgt Ion: 96 Resp: 3556
 Ion Ratio Lower Upper
 96 100
 61 130.9 85.7 159.1
 68 0.0 0.0 0.0





#23

Bromochloromethane

Concen: 0.228 ug/L

RT: 4.99 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-07

Tot Ion:128 Resp: 1493

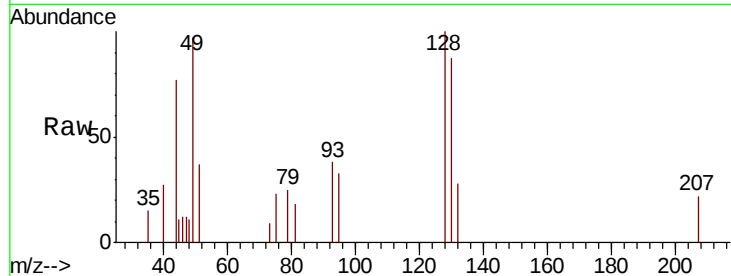
Ion Ratio Lower Upper

128 100

49 97.3 102.8 191.0#

130 86.6 86.3 160.3

51 37.1 36.5 54.7

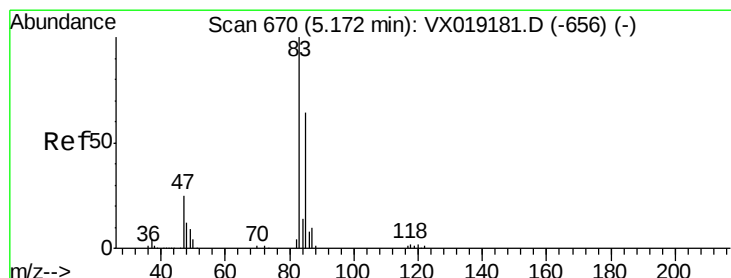
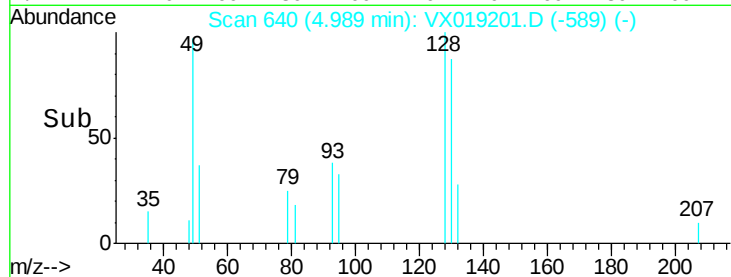
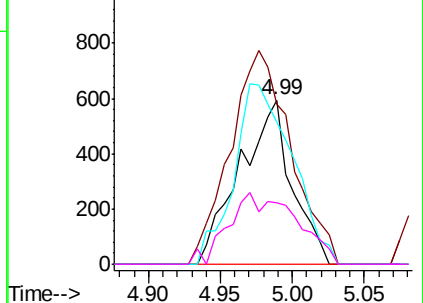


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VX0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VX0



#25

Chloroform

Concen: 0.263 ug/L

RT: 5.18 min Scan# 671

Delta R.T. 0.01 min

Lab File: VX019201.D

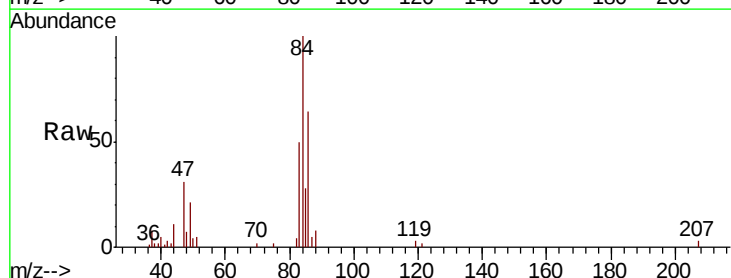
Acq: 30 Oct 2020 14:41

Tgt Ion: 83 Resp: 6923

Ion Ratio Lower Upper

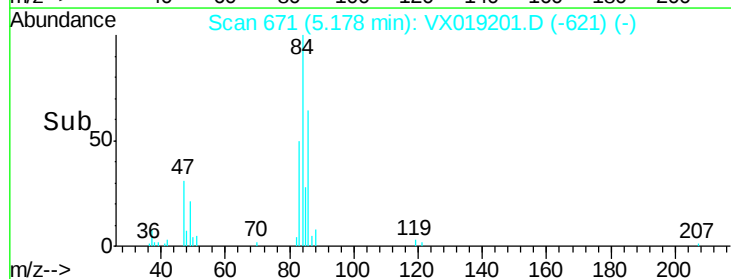
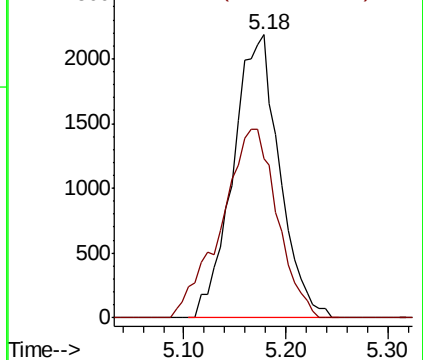
83 100

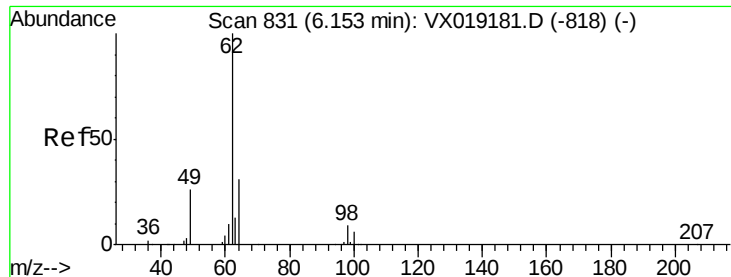
85 56.1 47.6 88.4



Abundance Ion 83.05 (82.75 to 83.75): VX0

Ion 85.00 (84.70 to 85.70): VX0





#27

1,2-Dichloroethane

Concen: 0.243 ug/L

RT: 6.15 min Scan# 831

Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

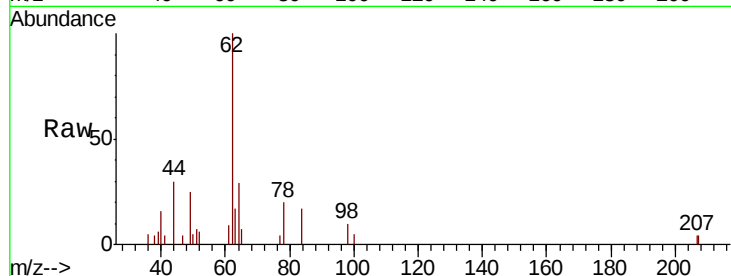
MDL-WATER-07

Tot Ion: 62 Resp: 3996

Ion Ratio Lower Upper

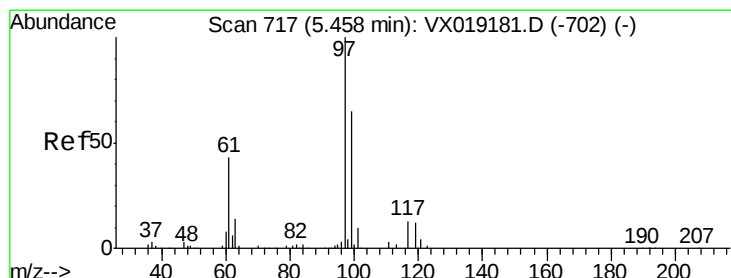
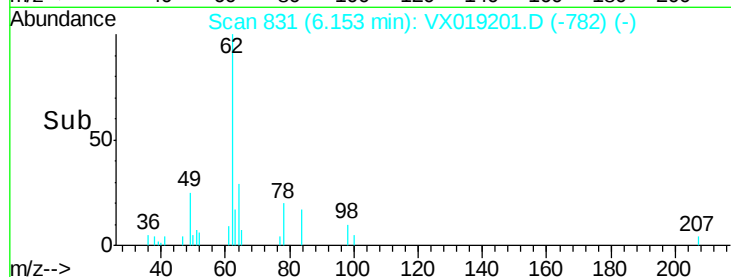
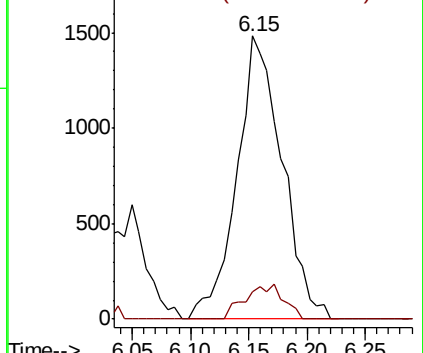
62 100

98 9.7 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.05 (97.75 to 98.75): VX0



#29

1,1,1-Trichloroethane

Concen: 0.218 ug/L

RT: 5.46 min Scan# 717

Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

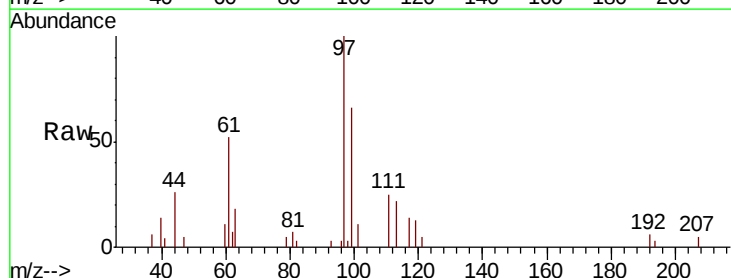
Tgt Ion: 97 Resp: 5279

Ion Ratio Lower Upper

97 100

99 64.0 51.8 77.8

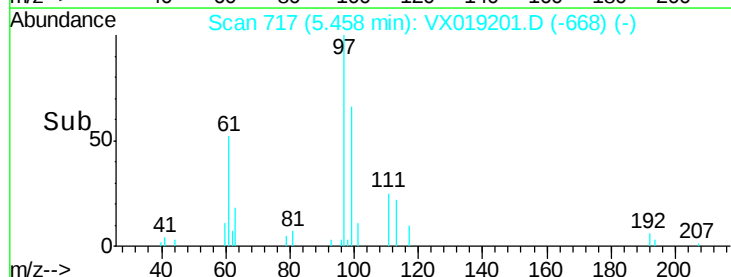
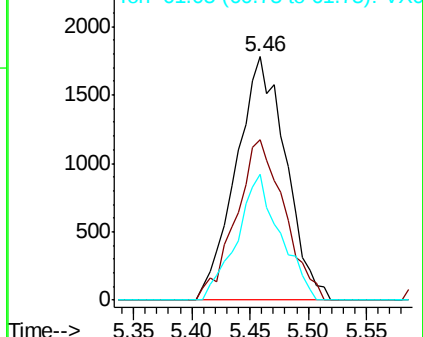
61 44.7 34.5 51.7

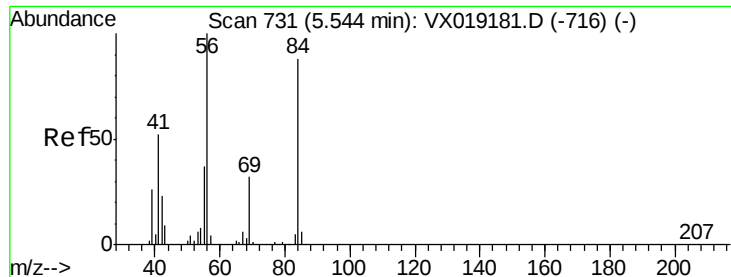


Abundance Ion 96.95 (96.65 to 97.65): VX0

Ion 99.05 (98.75 to 99.75): VX0

Ion 61.05 (60.75 to 61.75): VX0

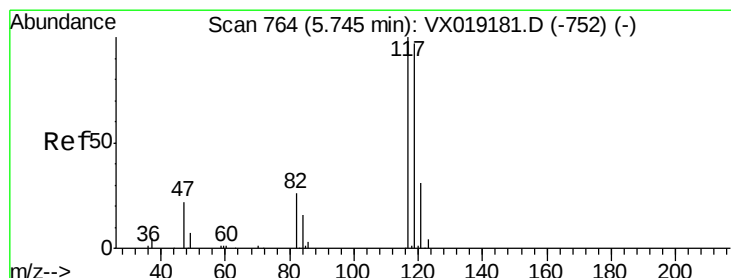
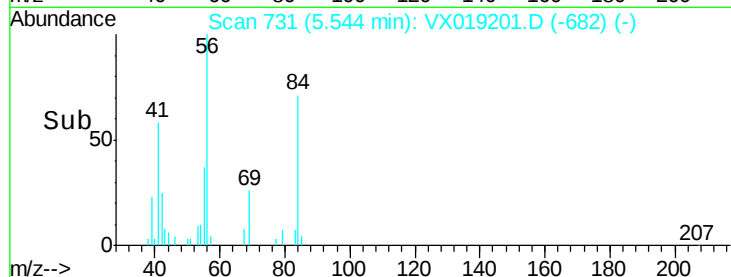
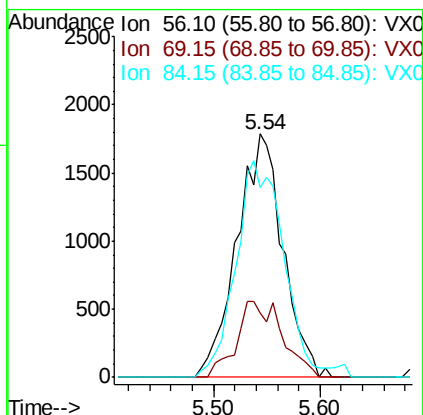
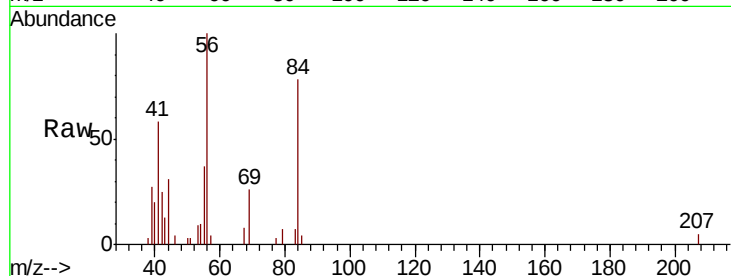




#30
Cyclohexane
Concen: 0.224 ug/L
RT: 5.54 min Scan# 731
Delta R.T. 0.00 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

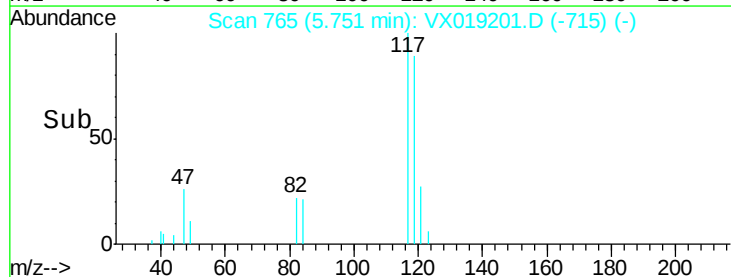
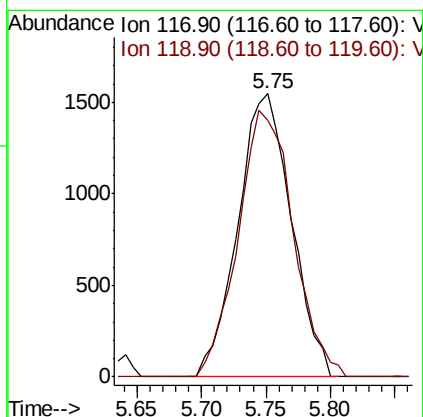
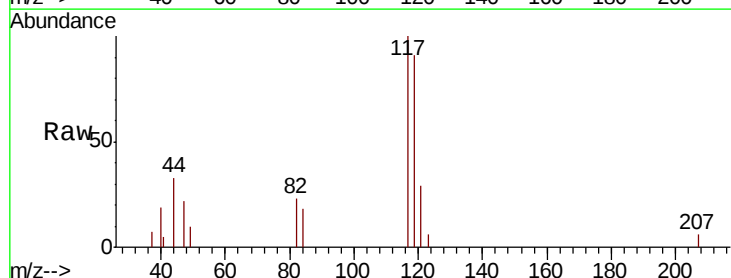
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-07

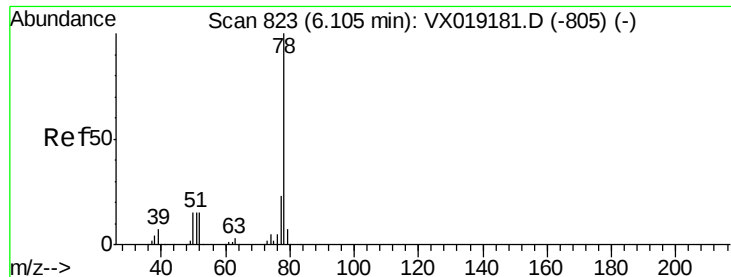
Tot Ion: 56 Resp: 5406
Ion Ratio Lower Upper
56 100
69 30.8 26.2 39.2
84 92.3 74.5 111.7



#31
Carbon tetrachloride
Concen: 0.215 ug/L
RT: 5.75 min Scan# 765
Delta R.T. 0.01 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Tgt Ion: 117 Resp: 4451
Ion Ratio Lower Upper
117 100
119 97.1 77.3 115.9

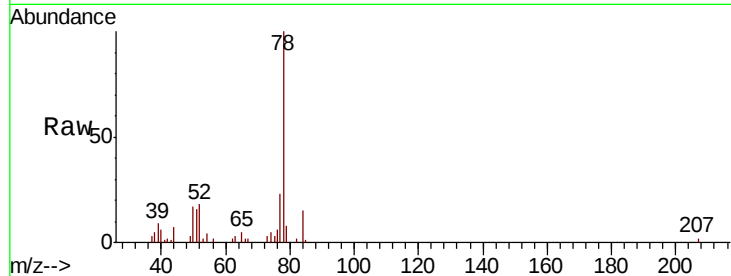




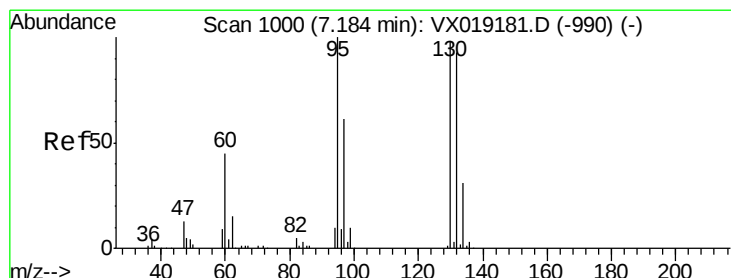
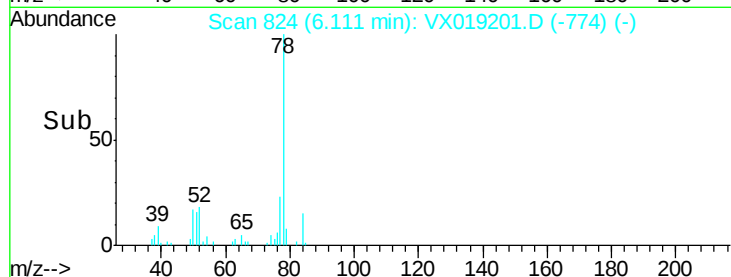
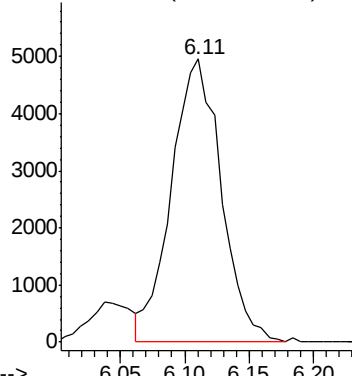
#33
Benzene
Concen: 0.228 ug/L
RT: 6.11 min Scan# 824
Delta R.T. 0.01 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-07

Tgt Ion: 78 Resp: 13327

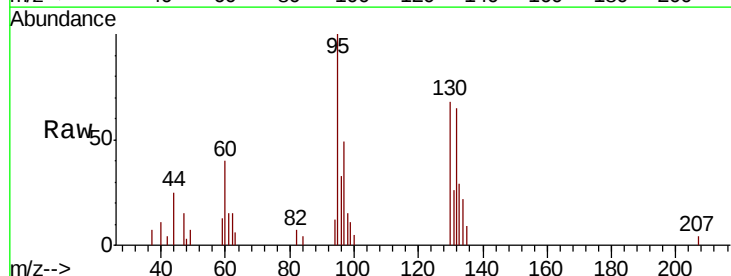


Abundance Ion 78.10 (77.80 to 78.80): VX0



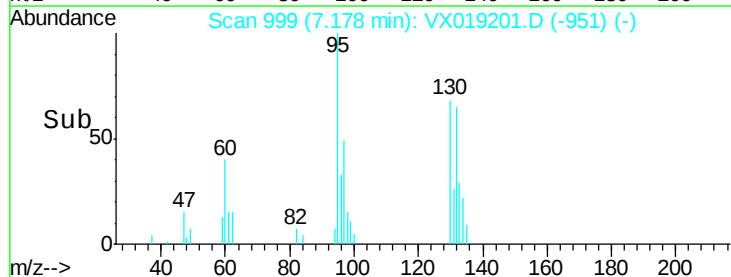
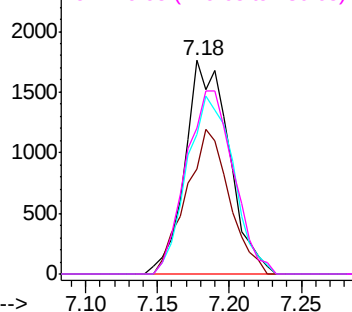
#34
Trichloroethene
Concen: 0.232 ug/L
RT: 7.18 min Scan# 999
Delta R.T. -0.01 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

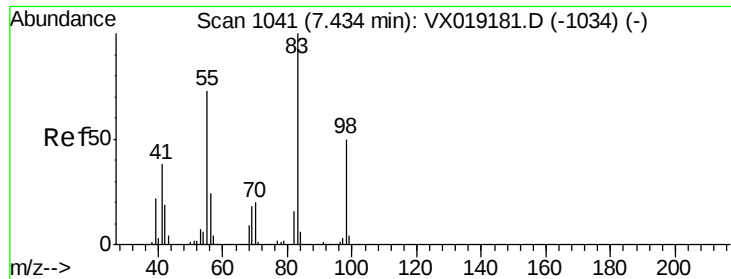
Tgt Ion: 95 Resp: 3712
Ion Ratio Lower Upper
95 100
97 49.0 45.2 84.0
132 65.4 65.3 121.3
130 68.3 70.6 131.0#



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

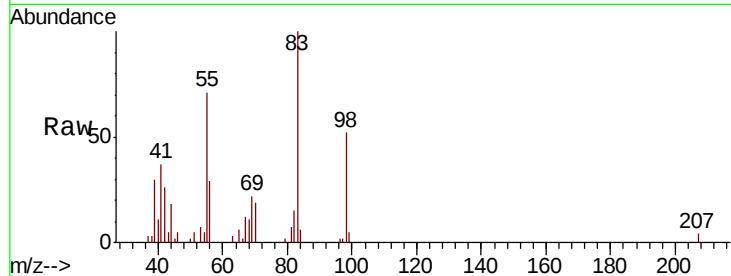




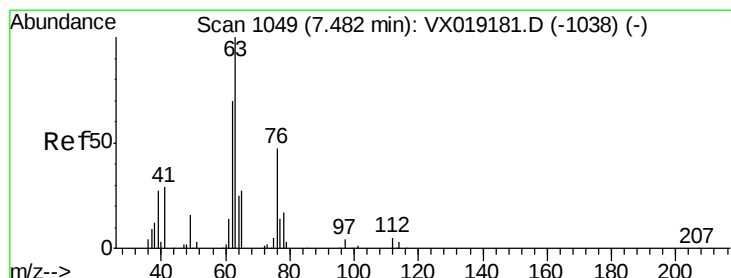
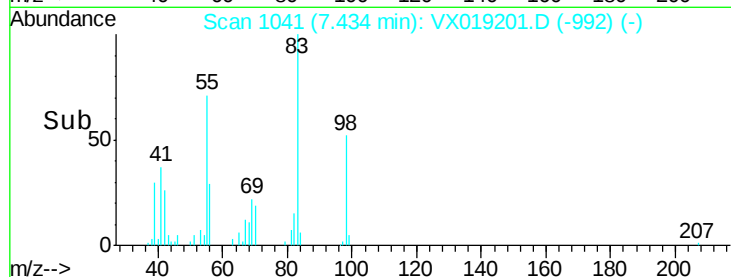
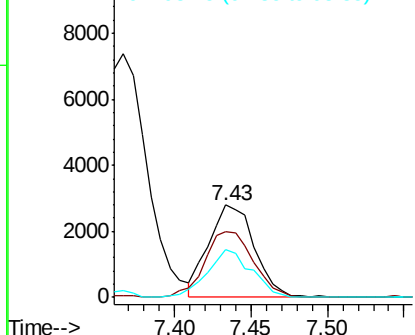
#35
Methvlcvclohexane
Concen: 0.224 ug/L
RT: 7.43 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-07

Tot Ion: 83 Resp: 5792
Ion Ratio Lower Upper
83 100
55 76.6 58.5 87.7
98 50.0 40.1 60.1

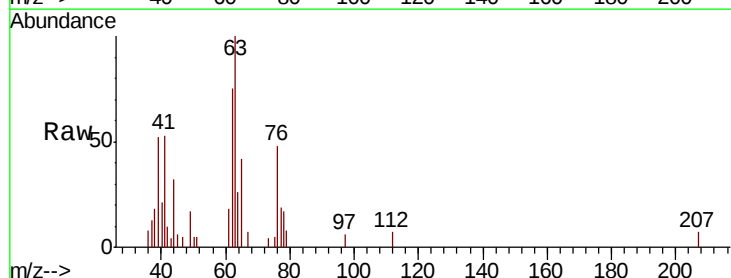


Abundance Ion 83.15 (82.85 to 83.85): VX0
Ion 55.10 (54.80 to 55.80): VX0
Ion 98.15 (97.85 to 98.85): VX0

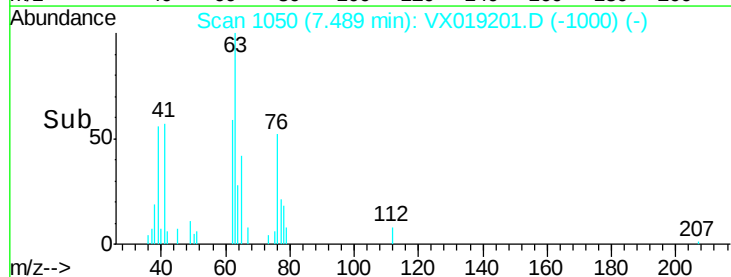
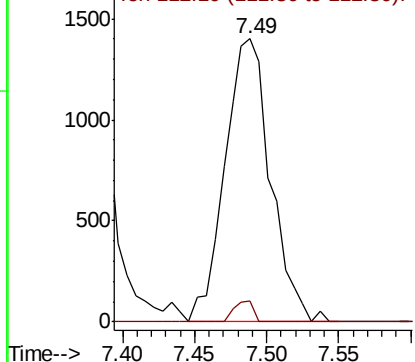


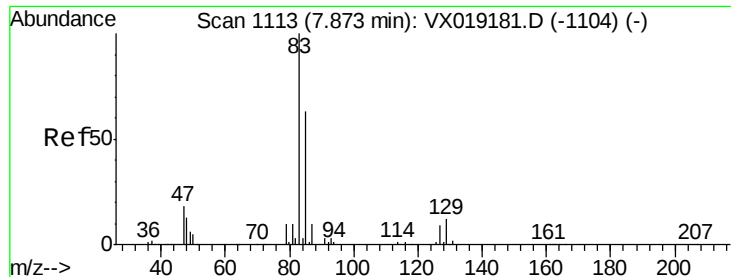
#37
1,2-Dichloropropane
Concen: 0.224 ug/L
RT: 7.49 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Tgt Ion: 63 Resp: 3091
Ion Ratio Lower Upper
63 100
112 3.2 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: 0.210 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-07

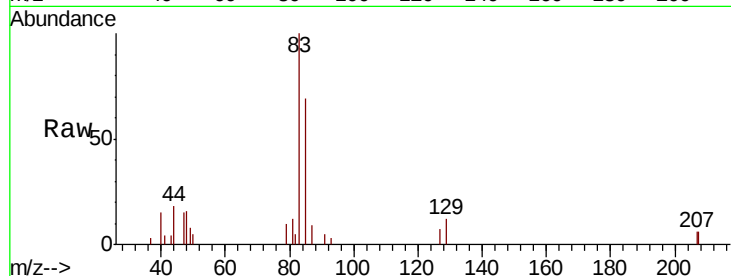
Tot Ion: 83 Resp: 3781

Ion Ratio Lower Upper

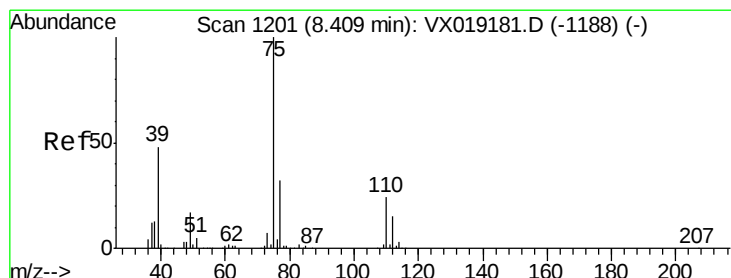
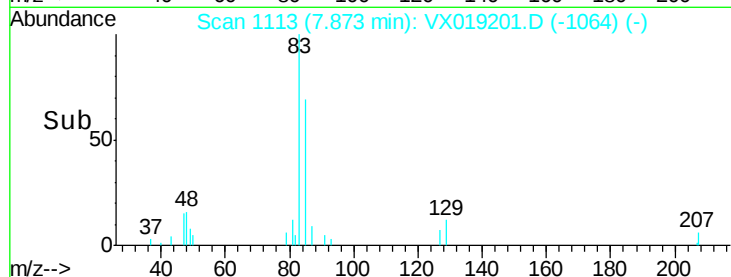
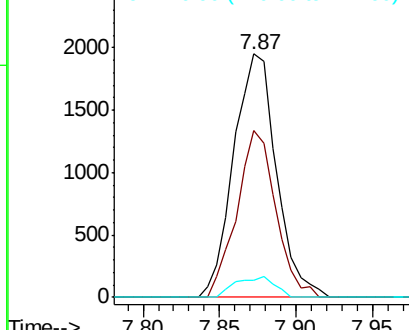
83 100

85 68.6 44.4 82.5

127 7.2 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



#39

cis-1,3-Dichloropropene

Concen: 0.210 ug/L

RT: 8.42 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VX019201.D

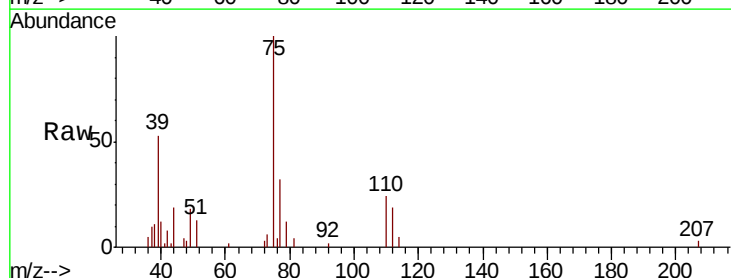
Acq: 30 Oct 2020 14:41

Tgt Ion: 75 Resp: 4456

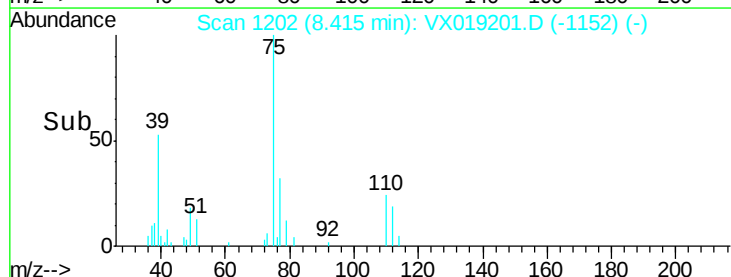
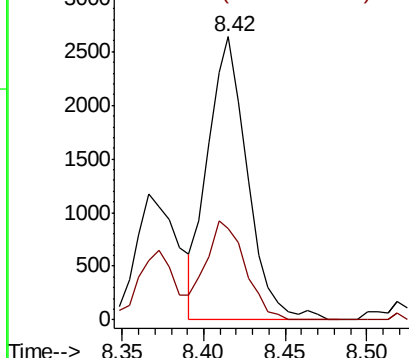
Ion Ratio Lower Upper

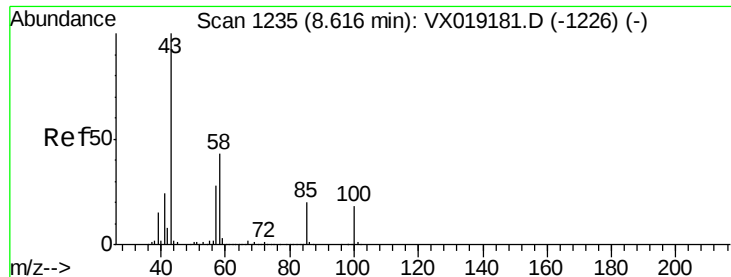
75 100

77 32.1 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VX0
Ion 77.05 (76.75 to 77.75): VX0

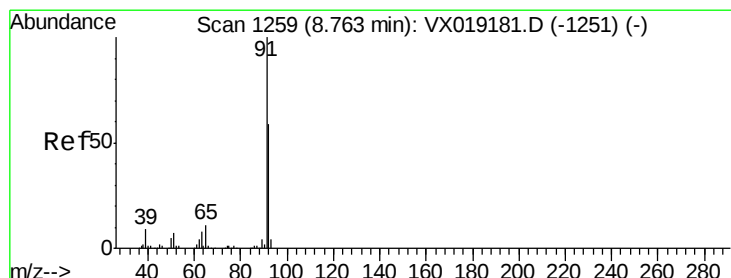
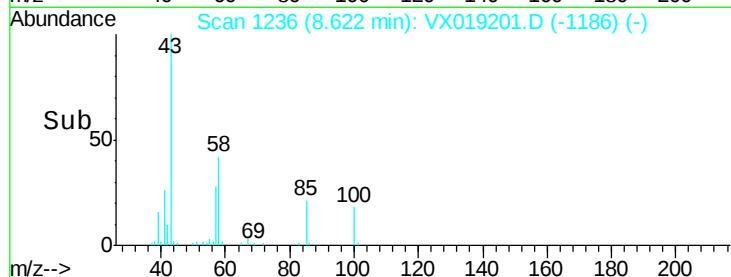
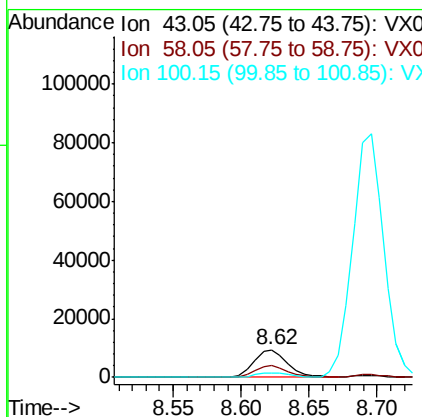
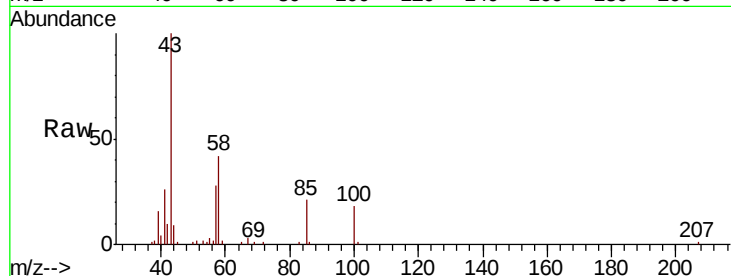




#40
4-Methyl-2-pentanone
Concen: 2.232 ug/L
RT: 8.62 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

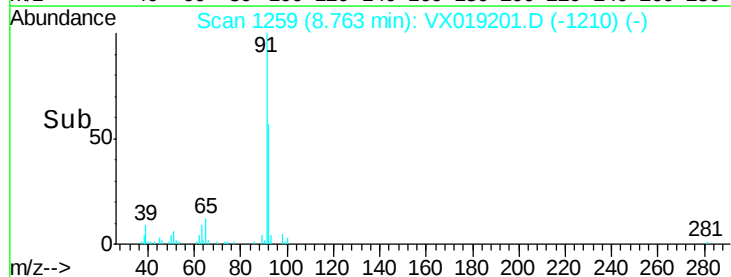
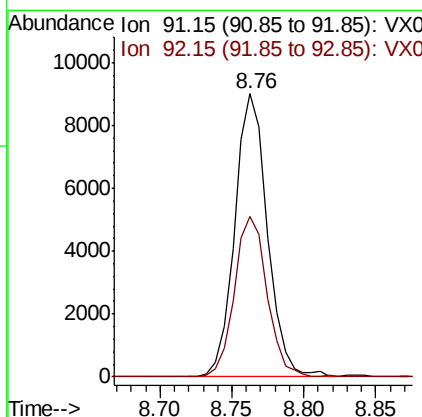
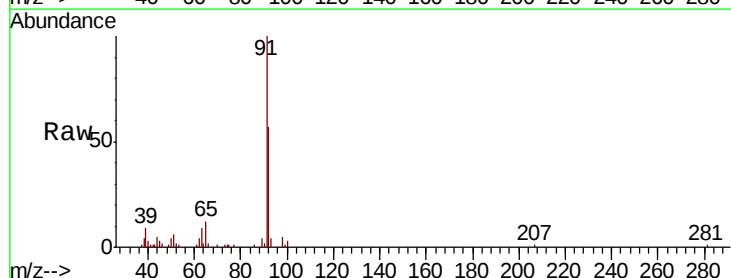
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-07

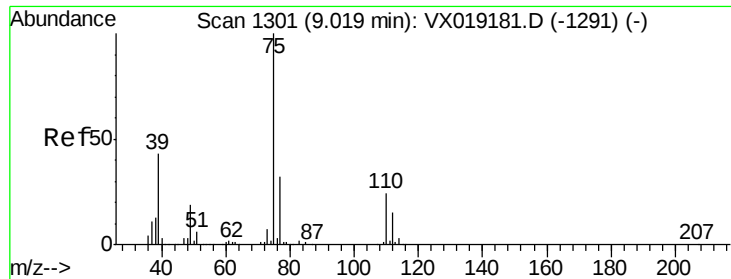
Tot Ion: 43 Resp: 16449
Ion Ratio Lower Upper
43 100
58 41.5 34.1 51.1
100 0.0 15.0 22.4#



#42
Toluene
Concen: 0.224 ug/L
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Tgt Ion: 91 Resp: 14161
Ion Ratio Lower Upper
91 100
92 56.8 40.7 75.7

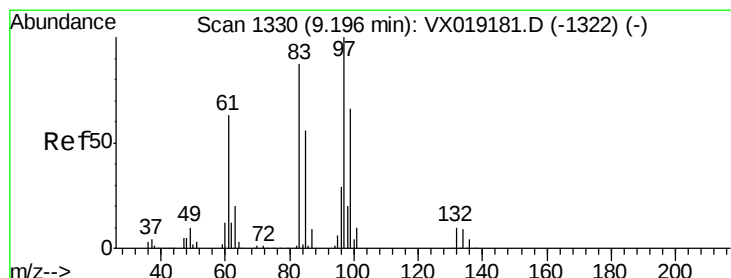
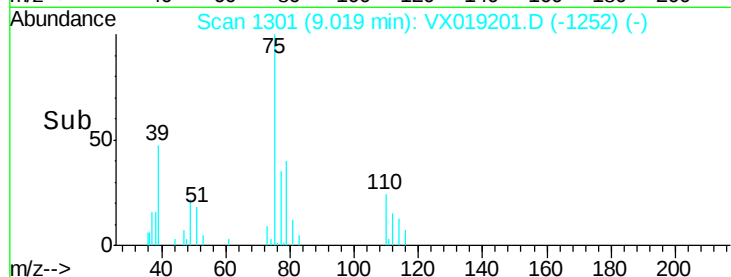
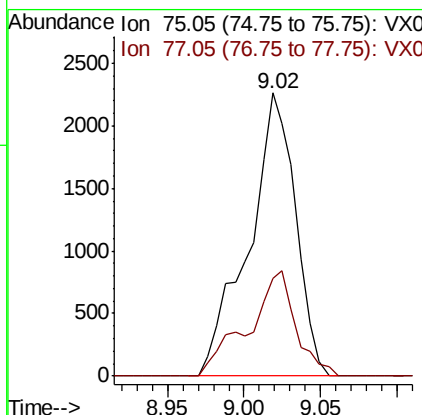
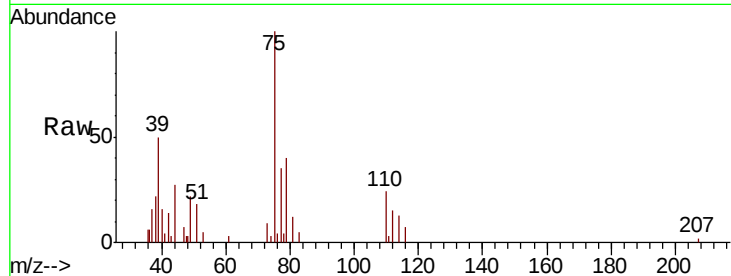




#44
trans-1,3-Dichloropropene
Concen: 0.272 ug/L
RT: 9.02 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

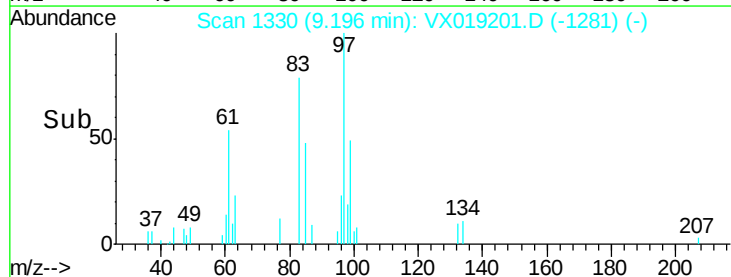
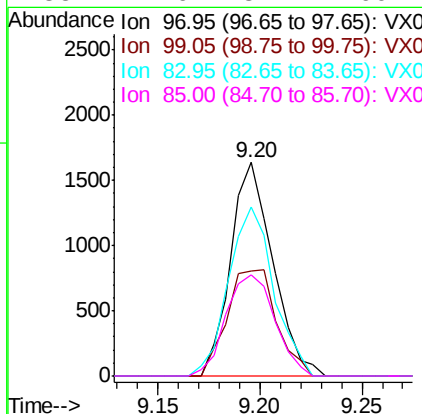
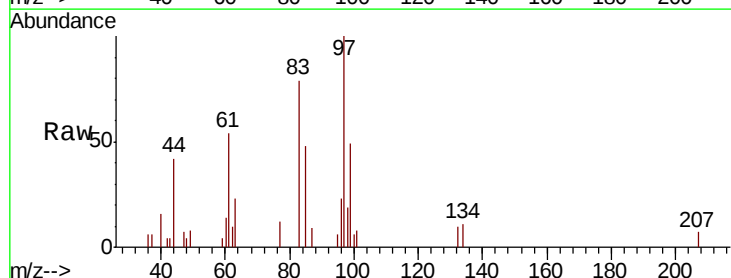
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-07

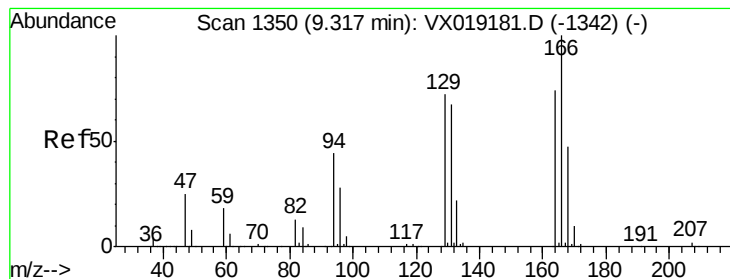
Tot Ion: 75 Resp: 4835
Ion Ratio Lower Upper
75 100
77 34.7 21.7 40.3



#45
1,1,2-Trichloroethane
Concen: 0.234 ug/L
RT: 9.20 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Tgt Ion: 97 Resp: 2355
Ion Ratio Lower Upper
97 100
99 49.1 44.8 83.2
83 78.9 59.1 109.7
85 47.6 37.4 69.4





#47

Tetrachloroethene

Concen: 0.242 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-07

Tot Ion:164 Resp: 2953

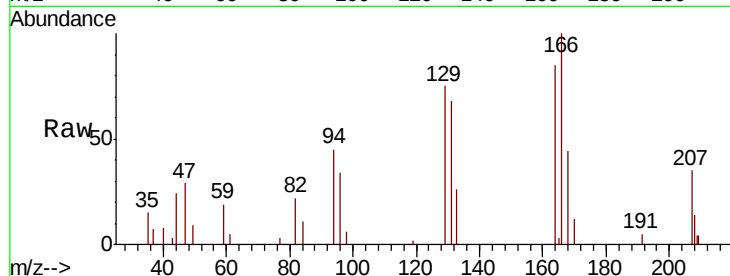
Ion Ratio Lower Upper

164 100

129 87.5 64.2 119.2

131 80.3 63.8 118.4

166 117.3 88.3 164.1

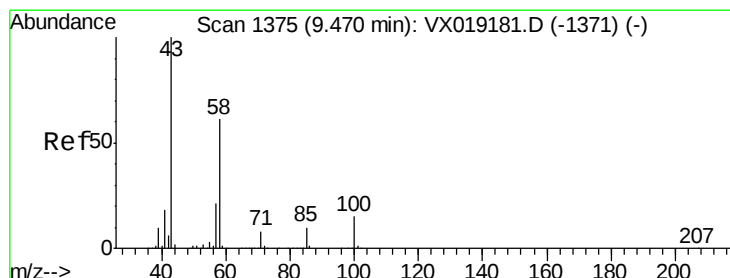
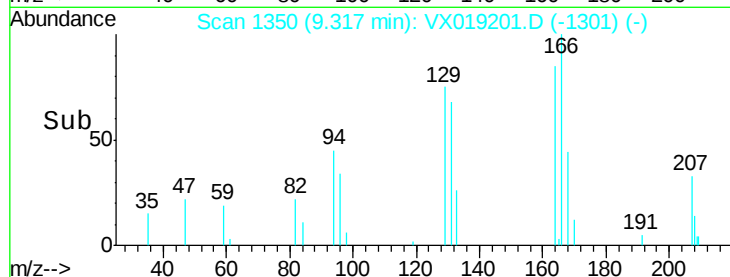
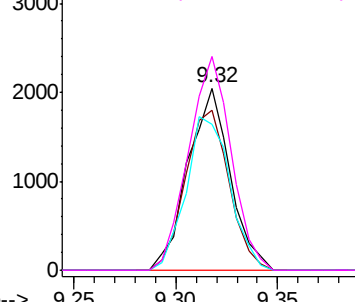


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 2.417 ug/L

RT: 9.48 min Scan# 1376

Delta R.T. 0.01 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Tgt Ion: 43 Resp: 12455

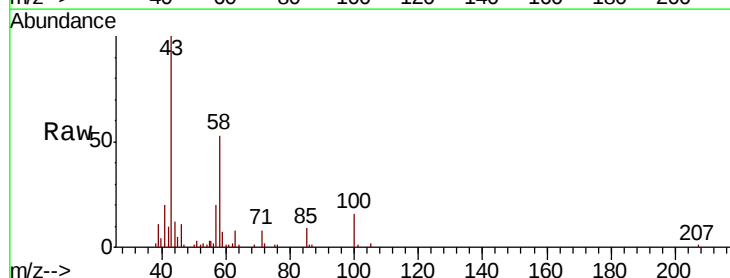
Ion Ratio Lower Upper

43 100

58 58.9 49.3 73.9

57 21.9 17.2 25.8

100 15.8 11.8 17.8

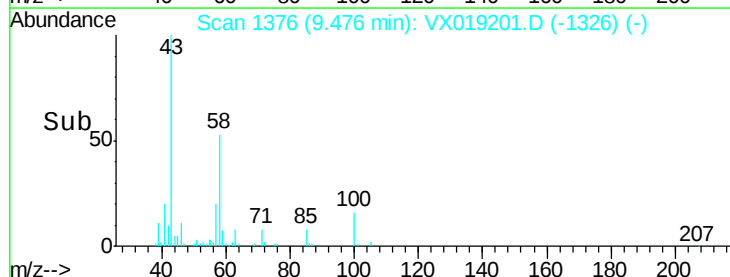
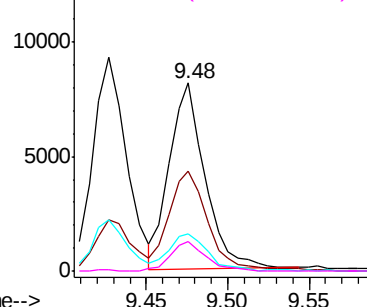


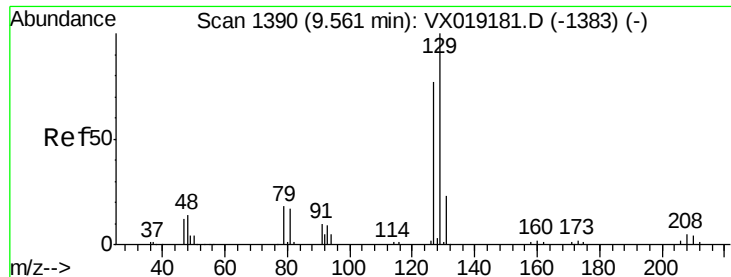
Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0

Ion 57.20 (56.90 to 57.90): VX0

Ion 100.15 (99.85 to 100.85): VX0





#49

Dibromochloromethane

Concen: 0.209 ug/L

RT: 9.56 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

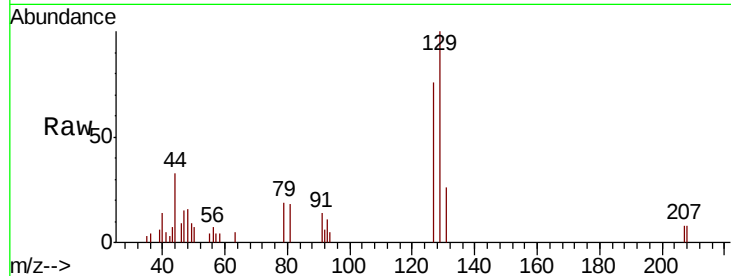
MDL-WATER-07

Tot Ion:129 Resp: 2438

Ion Ratio Lower Upper

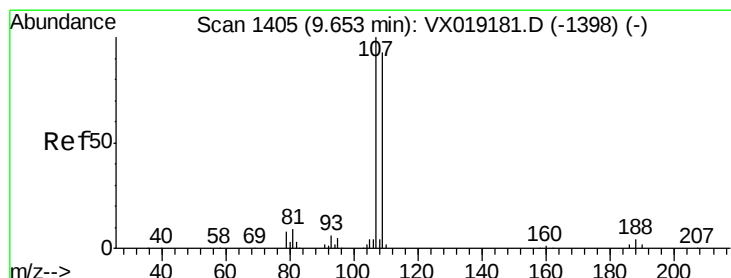
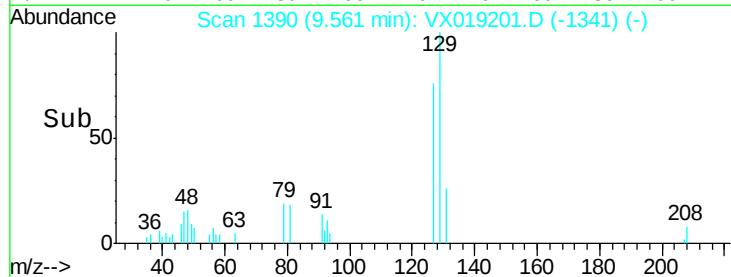
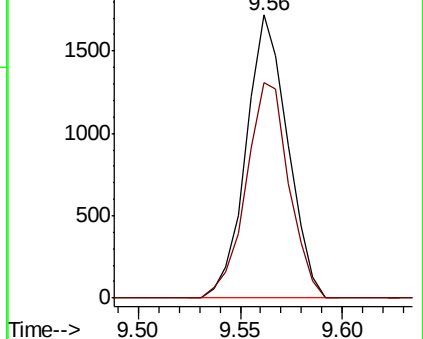
129 100

127 76.3 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: 0.232 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

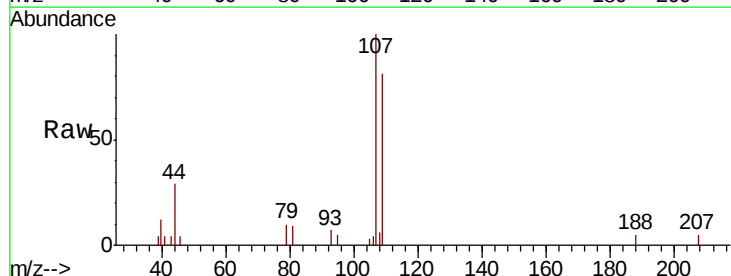
Tgt Ion:107 Resp: 2163

Ion Ratio Lower Upper

107 100

109 81.1 62.9 116.9

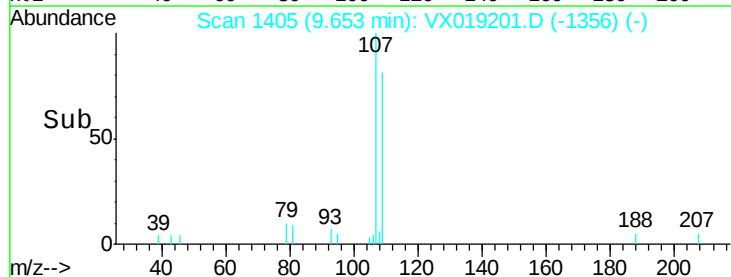
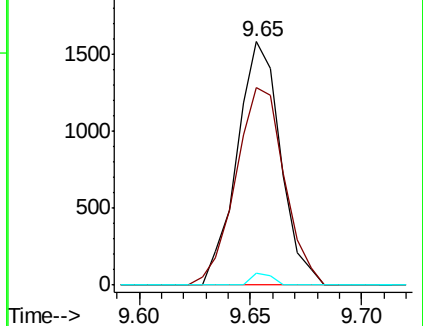
188 5.0 3.0 4.4#

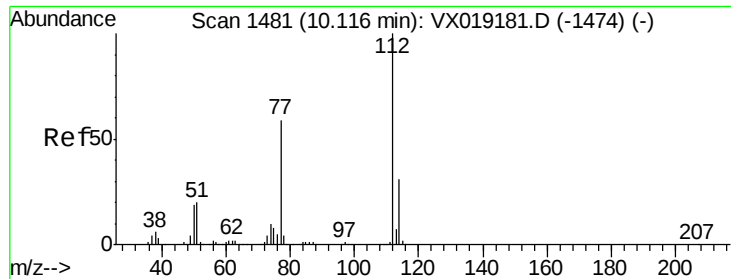


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V

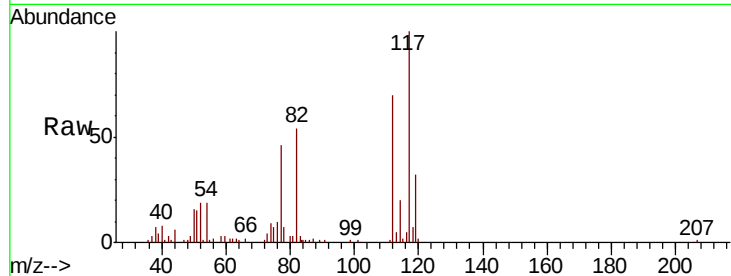




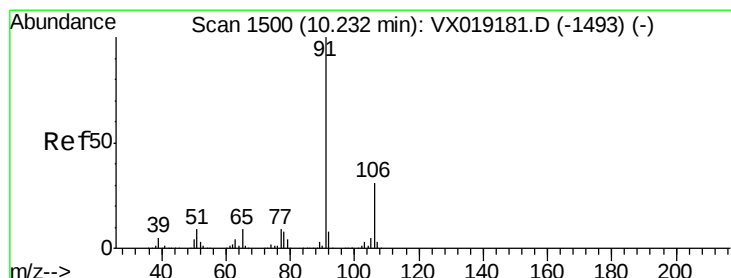
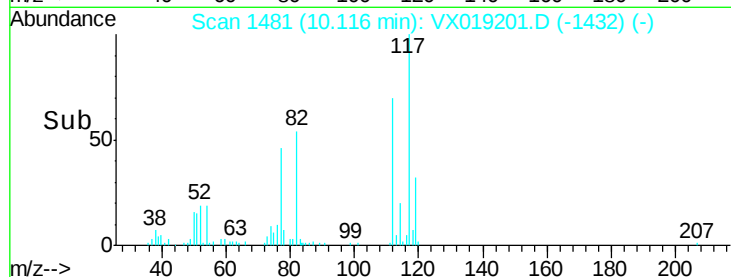
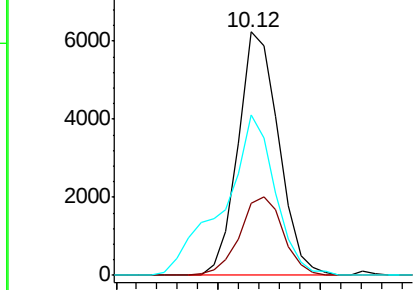
#51
Chlorobenzene
Concen: 0.215 ug/L
RT: 10.12 min Scan# 1481
Delta R.T. 0.00 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-07

Tot Ion: 112 Resp: 8620
Ion Ratio Lower Upper
112 100
114 29.4 22.5 41.9
77 65.8 46.2 69.2

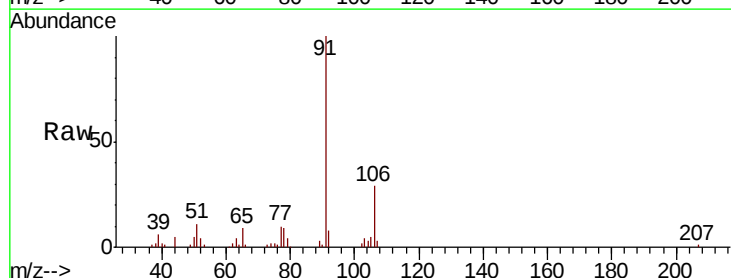


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

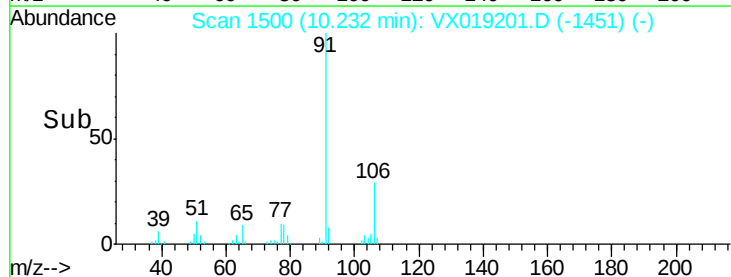
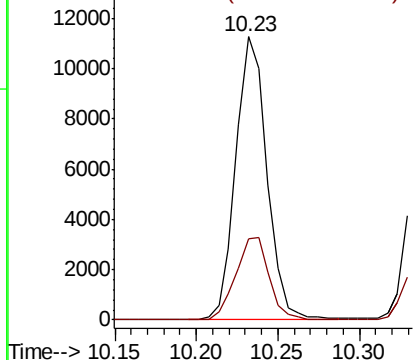


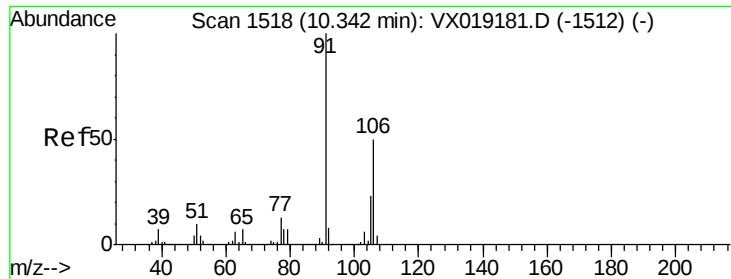
#52
Ethylbenzene
Concen: 0.213 ug/L
RT: 10.23 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Tgt Ion: 91 Resp: 15056
Ion Ratio Lower Upper
91 100
106 28.7 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: 0.208 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

ClientSampled :

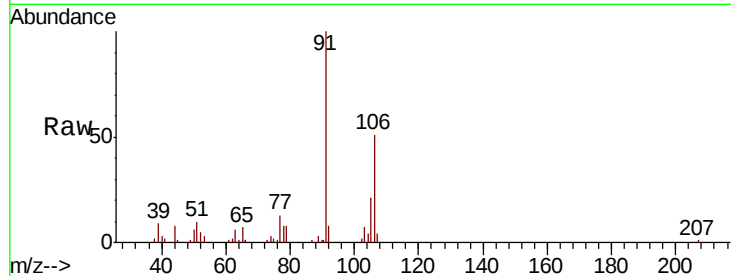
MDL-WATER-07

Tot Ion:106 Resp: 5636

Ion Ratio Lower Upper

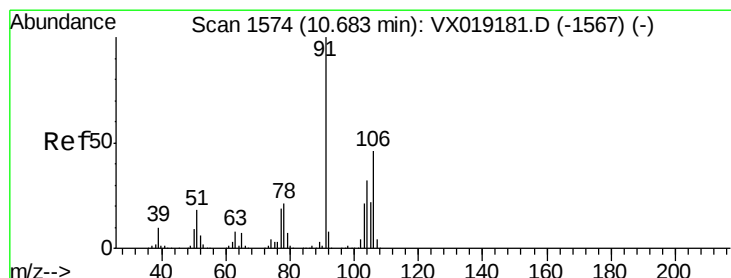
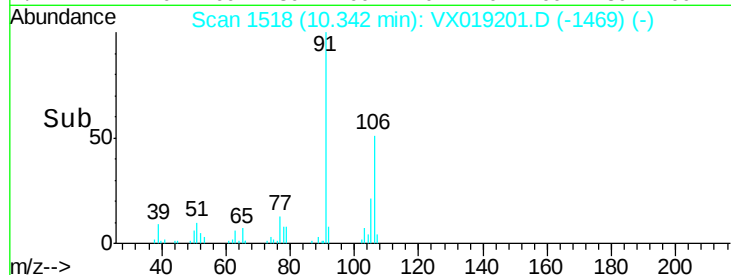
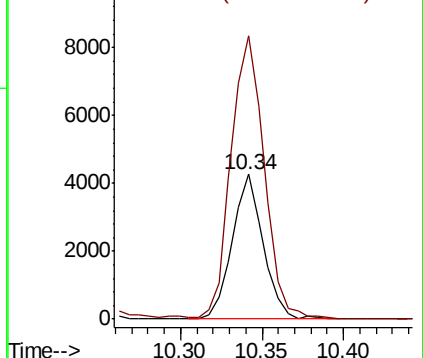
106 100

91 195.2 141.5 262.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#54

o-xylene

Concen: 0.211 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX019201.D

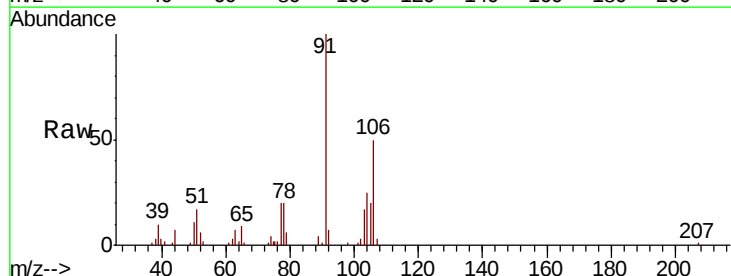
Acq: 30 Oct 2020 14:41

Tgt Ion:106 Resp: 5483

Ion Ratio Lower Upper

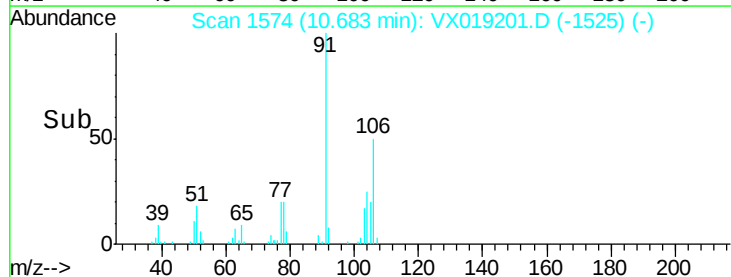
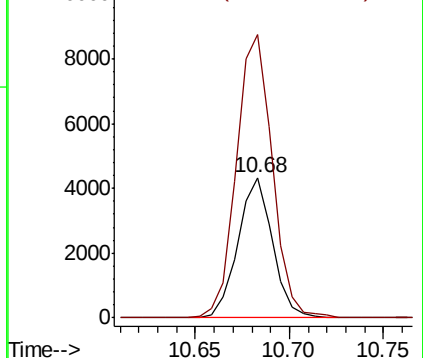
106 100

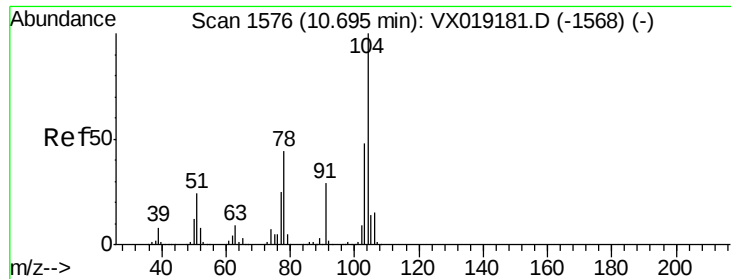
91 201.7 145.9 271.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#55

Stvrene

Concen: 0.196 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

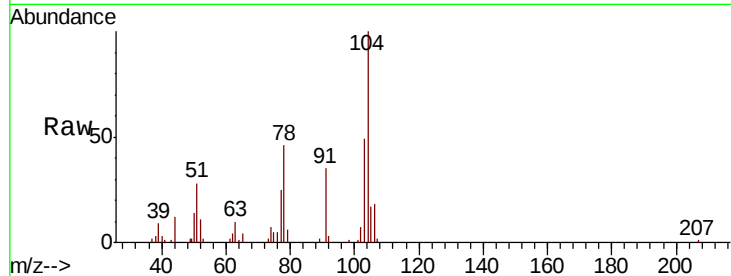
MDL-WATER-07

Tot Ion:104 Resp: 8326

Ion Ratio Lower Upper

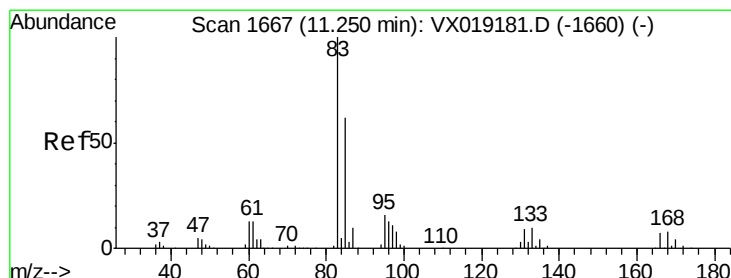
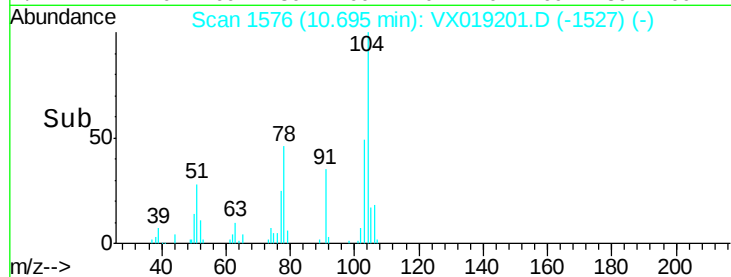
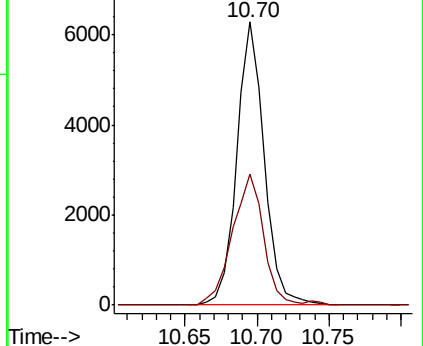
104 100

78 46.3 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: 0.247 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

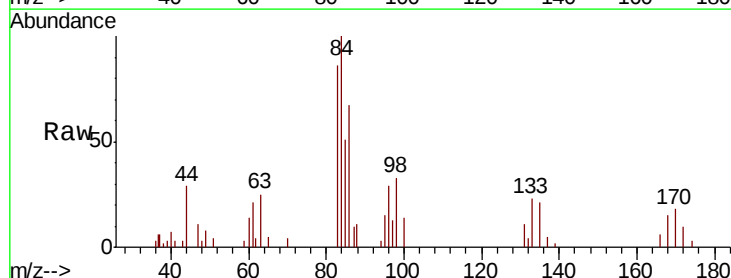
Tgt Ion: 83 Resp: 2830

Ion Ratio Lower Upper

83 100

85 59.5 46.0 85.4

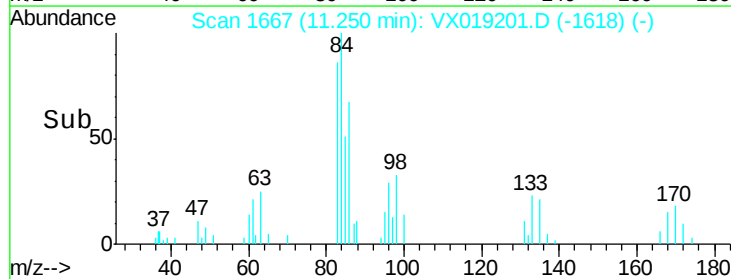
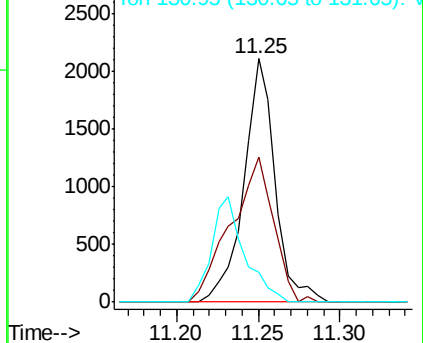
131 12.4 7.7 11.5#

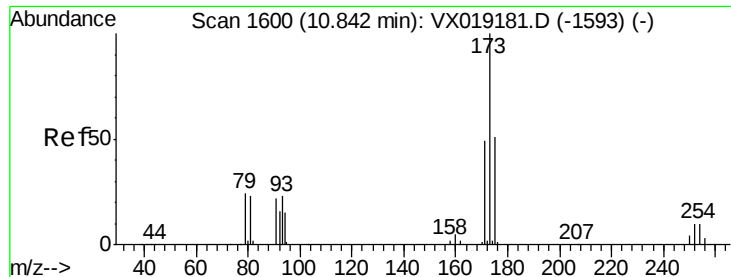


Abundance Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 130.95 (130.65 to 131.65): V





#59

Bromoform

Concen: 0.204 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

ClientSampled :

MDL-WATER-07

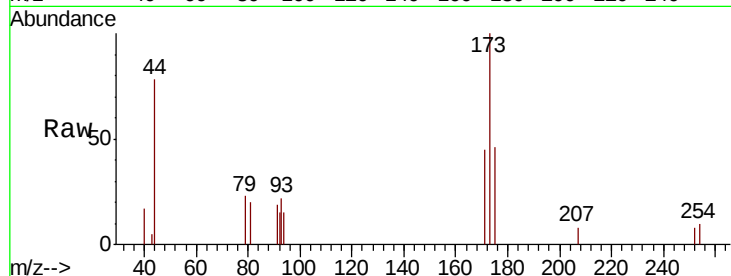
Tot Ion:173 Resp: 1247

Ion Ratio Lower Upper

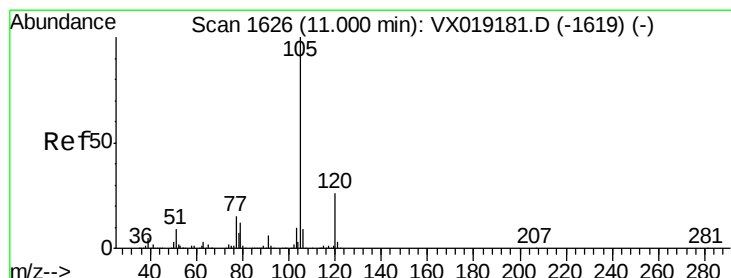
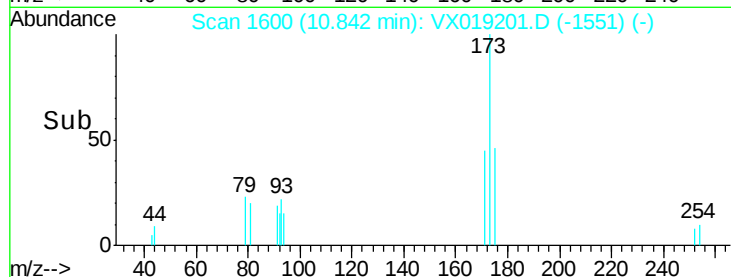
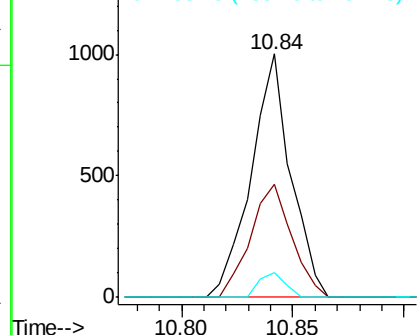
173 100

175 48.2 38.6 57.8

254 6.8 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: 0.209 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

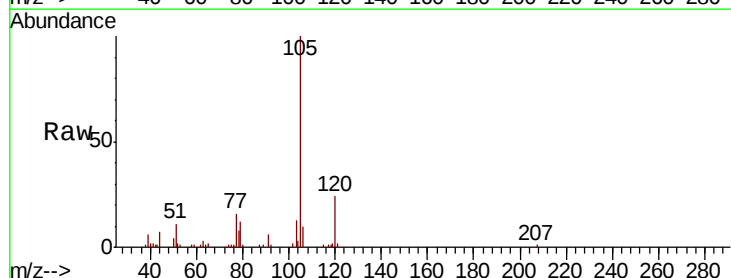
Tgt Ion:105 Resp: 14328

Ion Ratio Lower Upper

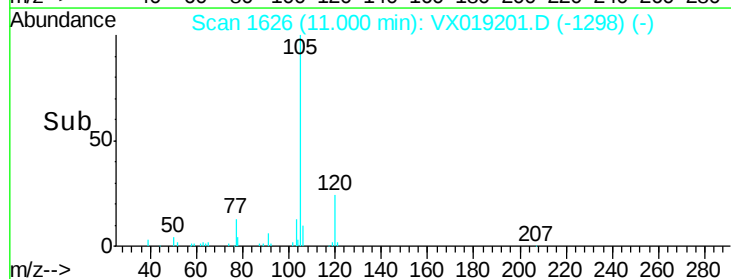
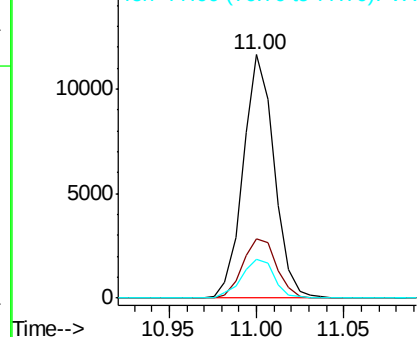
105 100

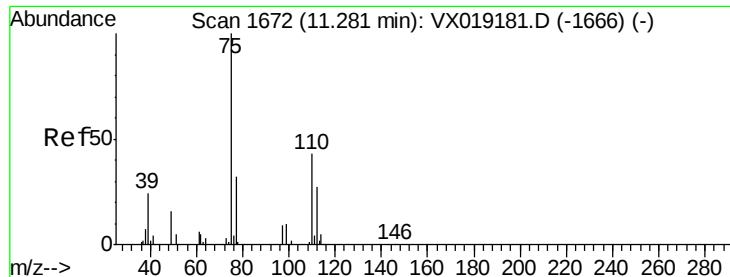
120 26.6 21.4 32.2

77 17.0 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: 0.229 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-07

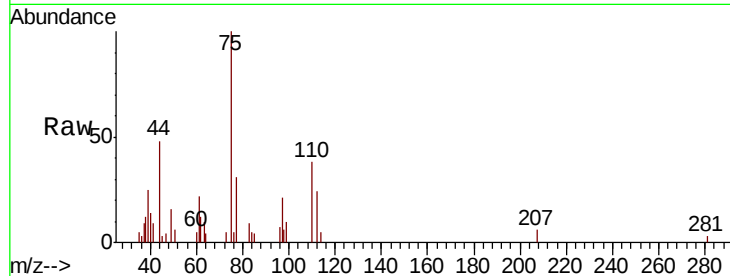
Tot Ion: 75 Resp: 1914

Ion Ratio Lower Upper

75 100

77 32.6 25.6 38.4

110 39.1 32.4 48.6



Abundance Ion 75.00 (74.70 to 75.70): VX019181.D (-1666) (-)

Ion 77.00 (76.70 to 77.70): VX019181.D (-1666) (-)

Ion 110.00 (109.70 to 110.70): VX019181.D (-1666) (-)

11.28

1500

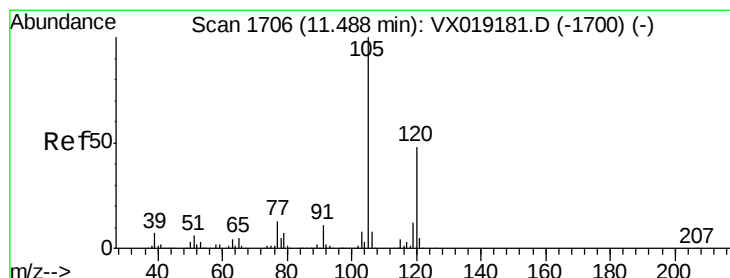
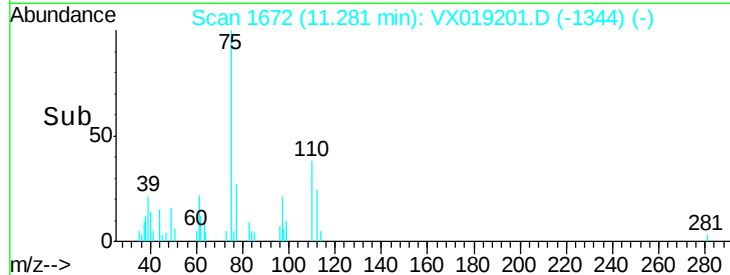
1000

500

0

11.25 11.30

Time-->



#62

1,3,5-Trimethylbenzene

Concen: 0.203 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019201.D

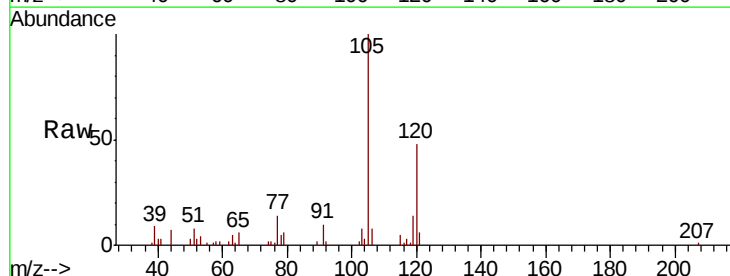
Acq: 30 Oct 2020 14:41

Tgt Ion: 105 Resp: 11644

Ion Ratio Lower Upper

105 100

120 48.4 38.9 58.3



Abundance Ion 105.00 (104.70 to 105.70): VX019181.D (-1700) (-)

Ion 120.00 (119.70 to 120.70): VX019181.D (-1700) (-)

11.49

10000

8000

6000

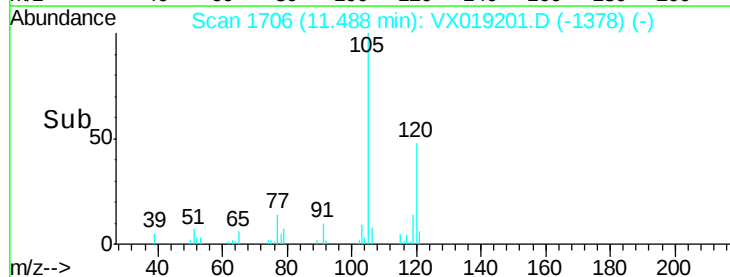
4000

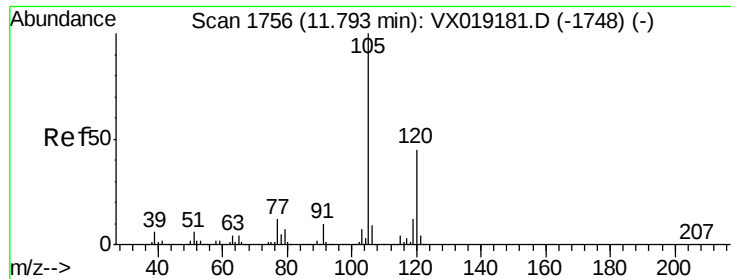
2000

0

11.45 11.50 11.55

Time-->

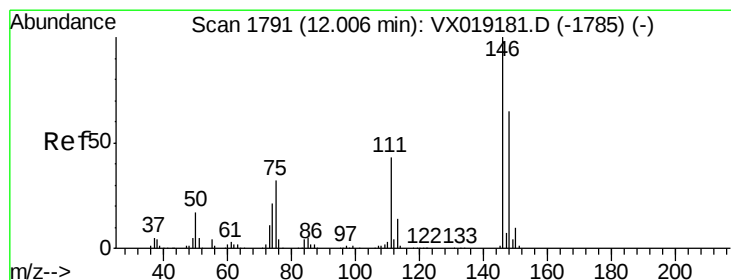
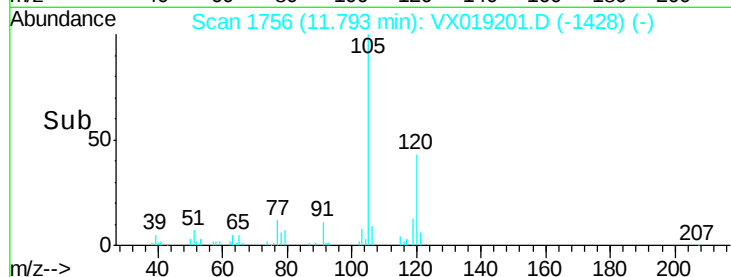
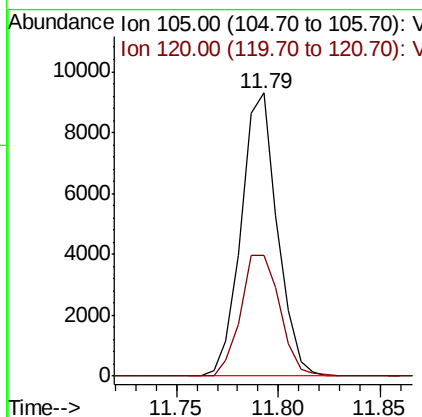
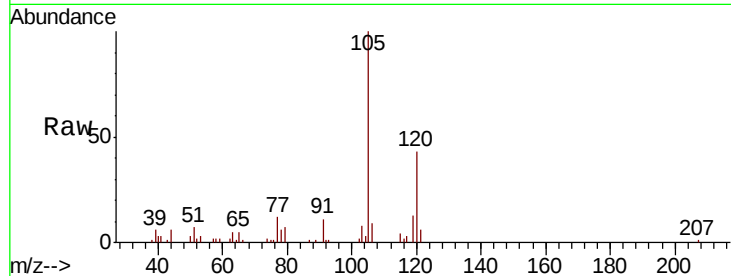




#63
 1,2,4-Trimethylbenzene
 Concen: 0.197 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX019201.D
 Acq: 30 Oct 2020 14:41

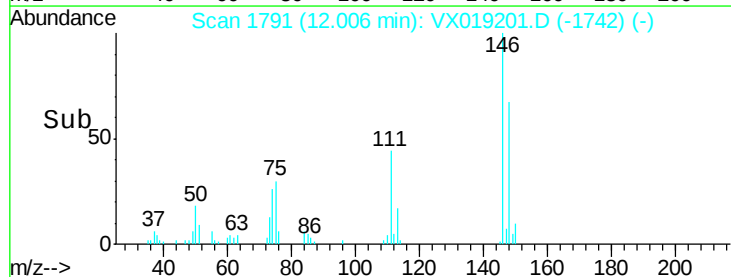
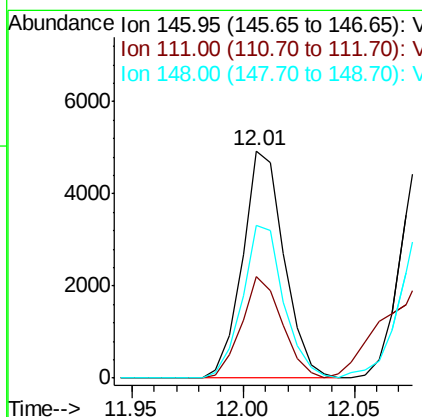
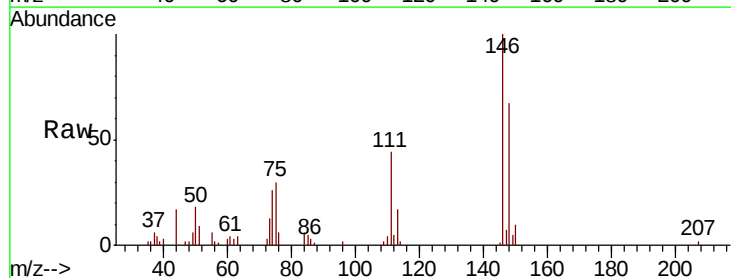
Instrument :
 MSVOA_X
 ClientSampled :
 MDL-WATER-07

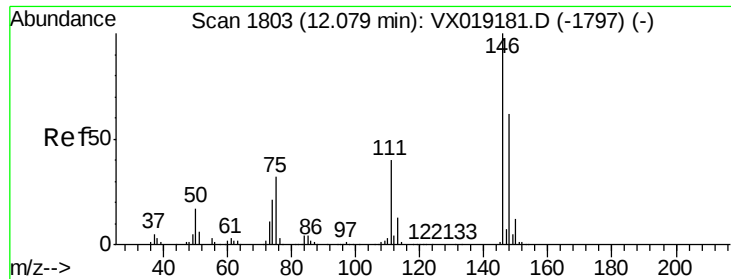
Tot Ion:105 Resp: 11454
 Ion Ratio Lower Upper
 105 100
 120 46.3 36.1 54.1



#64
 1,3-Dichlorobenzene
 Concen: 0.211 ug/L
 RT: 12.01 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX019201.D
 Acq: 30 Oct 2020 14:41

Tgt Ion:146 Resp: 6425
 Ion Ratio Lower Upper
 146 100
 111 44.5 27.3 50.7
 148 67.5 45.4 84.2





#65

1,4-Dichlorobenzene

Concen: 0.218 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-07

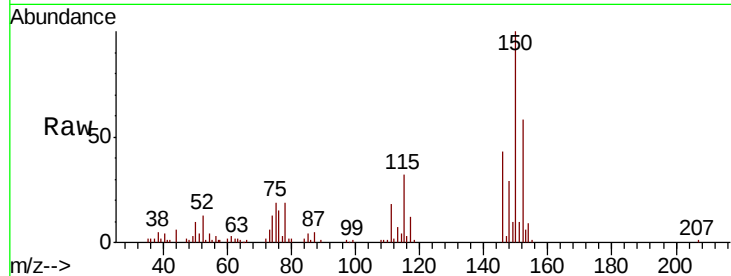
Tot Ion:146 Resp: 6624

Ion Ratio Lower Upper

146 100

111 41.2 28.1 52.3

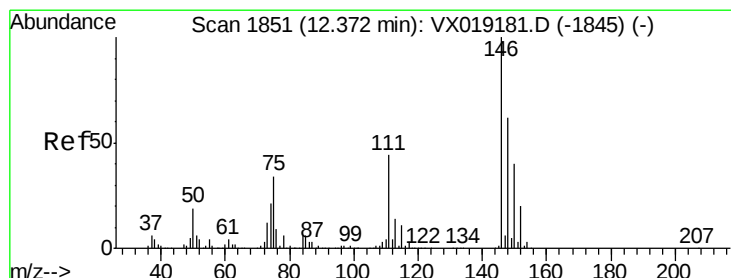
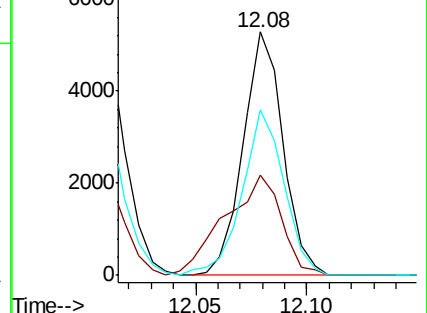
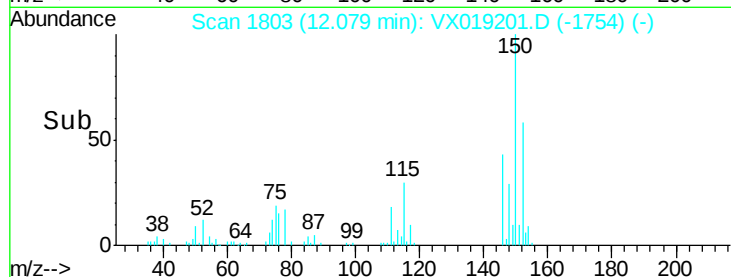
148 68.0 44.5 82.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,2-Dichlorobenzene

Concen: 0.224 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. 0.01 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

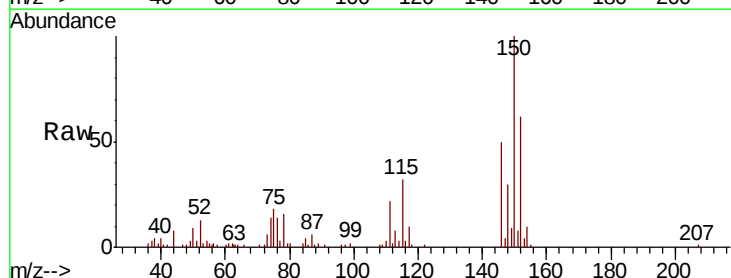
Tgt Ion:146 Resp: 6272

Ion Ratio Lower Upper

146 100

111 44.7 32.6 49.0

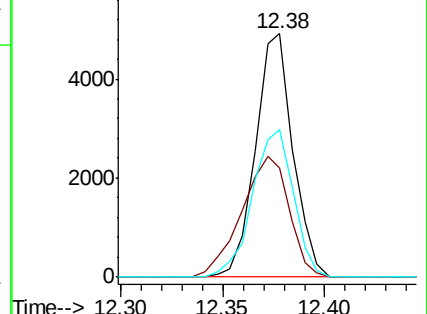
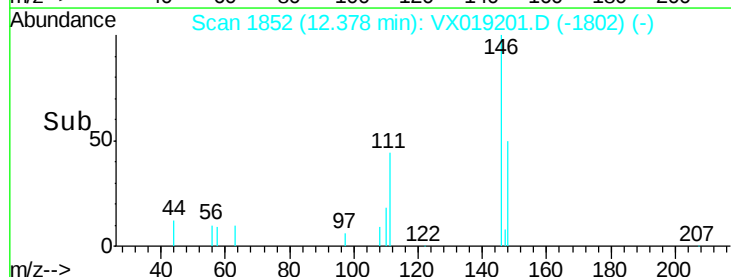
148 60.4 49.4 74.2

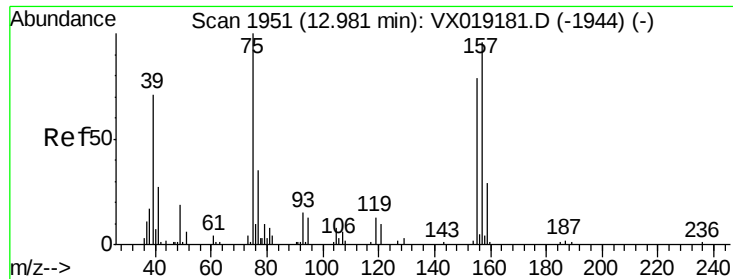


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

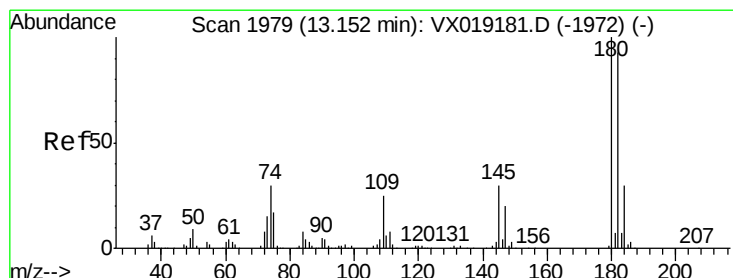
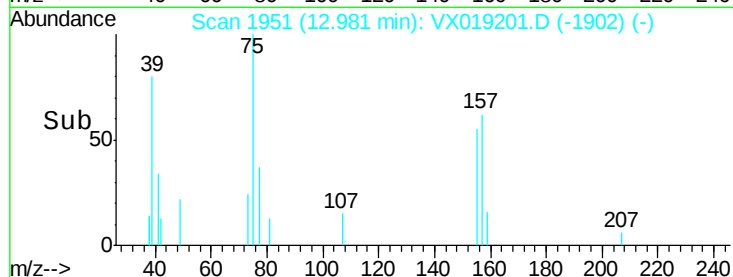
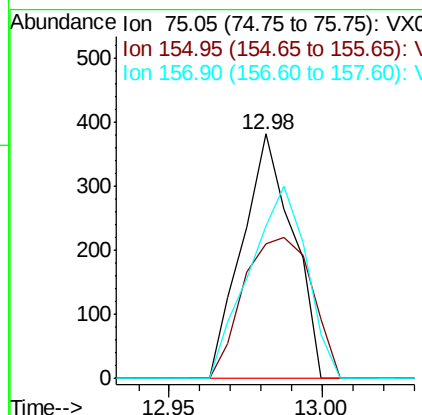
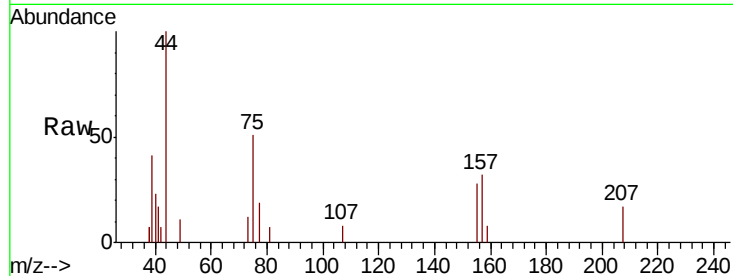




#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.228 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX019201.D
 Acq: 30 Oct 2020 14:41

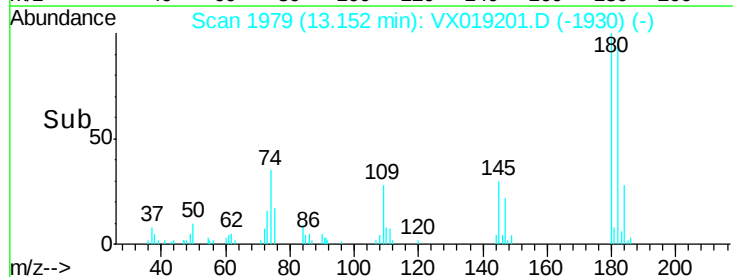
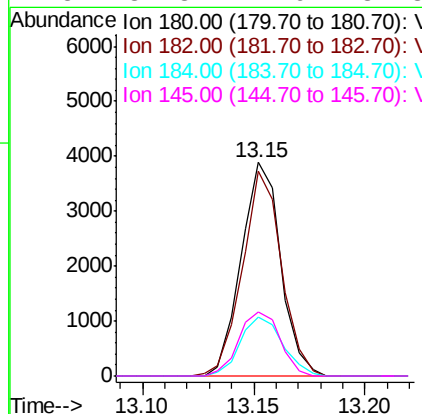
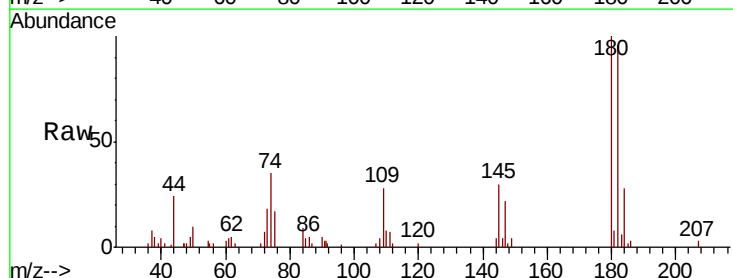
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-07

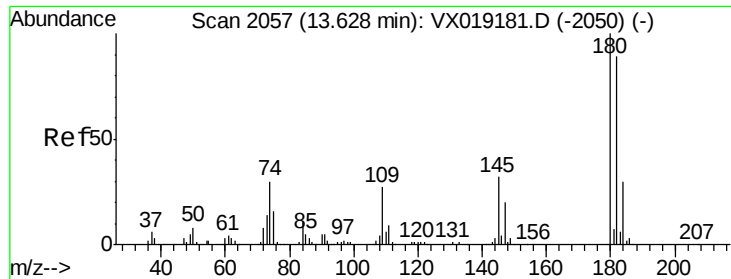
Tot Ion: 75 Resp: 436
 Ion Ratio Lower Upper
 75 100
 155 55.1 62.9 94.3#
 157 62.5 77.5 116.3#



#69
 1,3,5-Trichlorobenzene
 Concen: 0.215 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX019201.D
 Acq: 30 Oct 2020 14:41

Tgt Ion: 180 Resp: 4802
 Ion Ratio Lower Upper
 180 100
 182 95.3 74.1 111.1
 184 29.9 24.4 36.6
 145 31.3 24.9 37.3

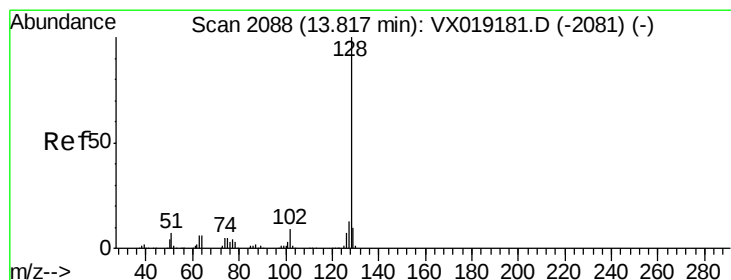
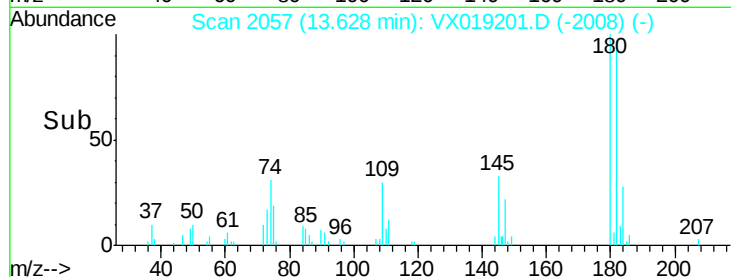
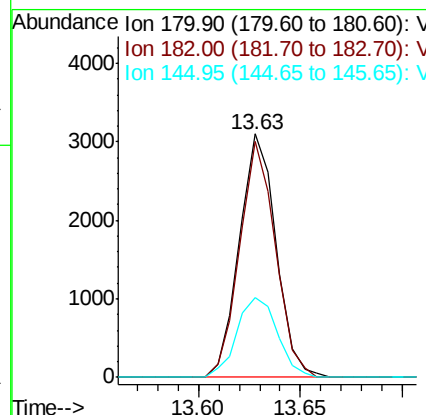
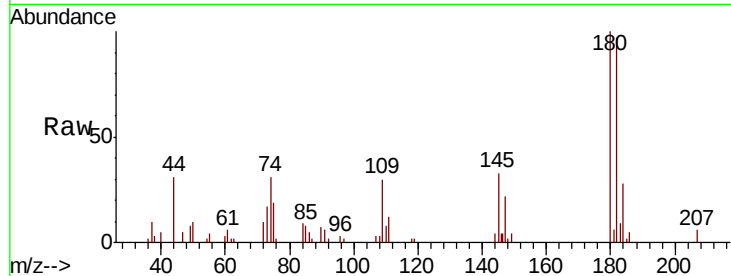




#70
1,2,4-trichlorobenzene
Concen: 0.197 ug/L
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

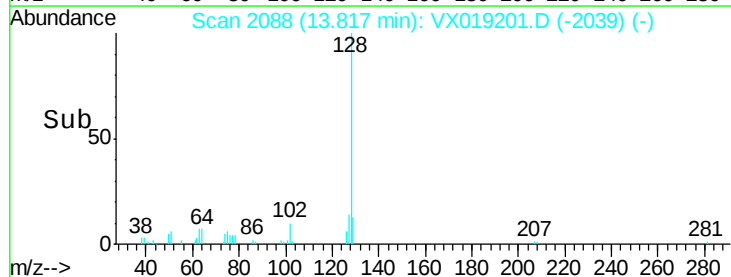
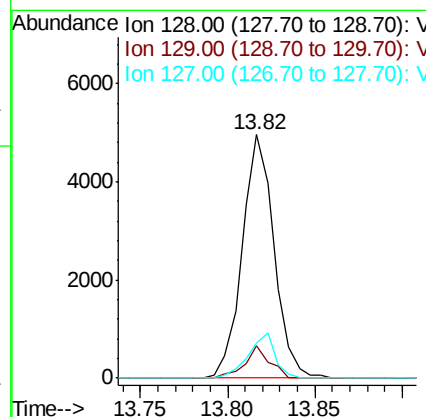
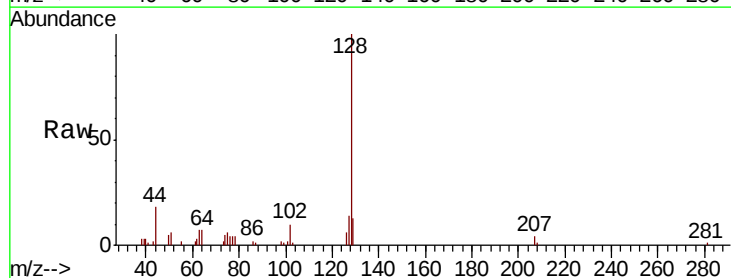
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-07

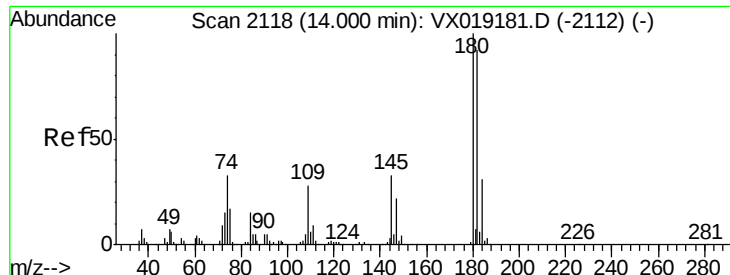
Tot Ion:180 Resp: 3852
Ion Ratio Lower Upper
180 100
182 94.4 77.8 116.6
145 36.4 25.0 37.4



#71
Naphthalene
Concen: 0.178 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Tgt Ion:128 Resp: 6251
Ion Ratio Lower Upper
128 100
129 10.3 8.6 13.0
127 15.4 10.1 15.1#





#72

1,2,3-Trichlorobenzene

Concen: 0.200 ug/L

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-07

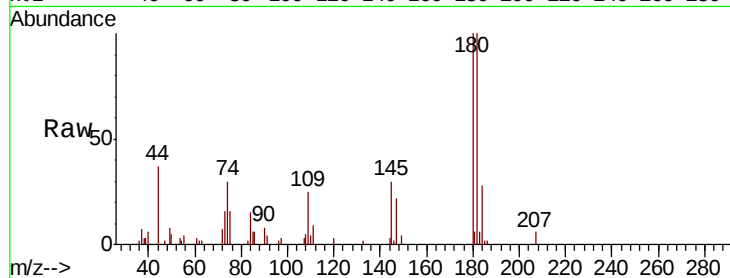
Tot Ion:180 Resp: 3446

Ion Ratio Lower Upper

180 100

182 94.6 77.0 115.4

145 32.5 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

