

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020323\
 Data File : VX034003.D
 Acq On : 03 Feb 2023 10:42
 Operator : JC/MD
 Sample : 01378-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT1-2023-01

Quant Time: Feb 04 03:19:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML020223WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 04 03:17:09 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	230472	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	198955	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	104798	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	63400	41.305	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.620%
7) Chloroethane-d5	1.672	69	43911	47.123	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.240%
11) 1,1-Dichloroethene-d2	2.306	63	99924	35.528	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.060%
21) 2-Butanone-d5	4.446	46	85773	97.467	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.470%
24) Chloroform-d	5.050	84	129117	46.895	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.800%
26) 1,2-Dichloroethane-d4	5.952	65	80762	48.615	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.240%
32) Benzene-d6	5.970	84	273973	48.039	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.080%
36) 1,2-Dichloropropane-d6	7.306	67	82672	49.032	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.060%
41) Toluene-d8	8.647	98	255937	47.307	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.620%
43) trans-1,3-Dichloroprop...	8.946	79	35623	46.556	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.120%
47) 2-Hexanone-d5	9.378	63	61262	96.890	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.890%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	102600	48.528	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.060%
66) 1,2-Dichlorobenzene-d4	12.317	152	105130	50.119	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.240%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	4700	2.741	ug/L	99
3) Chloromethane	1.294	50	4232	2.704	ug/L	98
5) Vinyl chloride	1.374	62	4683	2.959	ug/L #	76
6) Bromomethane	1.611	94	2281	2.779	ug/L	97
8) Chloroethane	1.691	64	2373	2.821	ug/L	95
9) Trichlorofluoromethane	1.892	101	6480	2.889	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	5467	3.524	ug/L	86
12) 1,1-Dichloroethene	2.319	96	4963	3.498	ug/L #	1
13) Acetone	2.380	43	5162	5.702	ug/L	99
14) Carbon disulfide	2.514	76	10484	2.730	ug/L #	94
15) Methyl Acetate	2.703	43	4037	2.799	ug/L	98
16) Methylene chloride	2.782	84	4859	3.234	ug/L	97
17) trans-1,2-Dichloroethene	3.093	96	4138	2.825	ug/L	95
18) Methyl tert-butyl Ether	3.111	73	11980	2.809	ug/L #	90
19) 1,1-Dichloroethane	3.605	63	6951	2.719	ug/L	97
20) cis-1,2-Dichloroethene	4.483	96	4927	2.943	ug/L	98
22) 2-Butanone	4.556	43	6510	5.787	ug/L	76
23) Bromochloromethane	4.897	128	2565	2.791	ug/L #	77
27) 1,2-Dichloroethane	6.080	62	6047	2.984	ug/L	99

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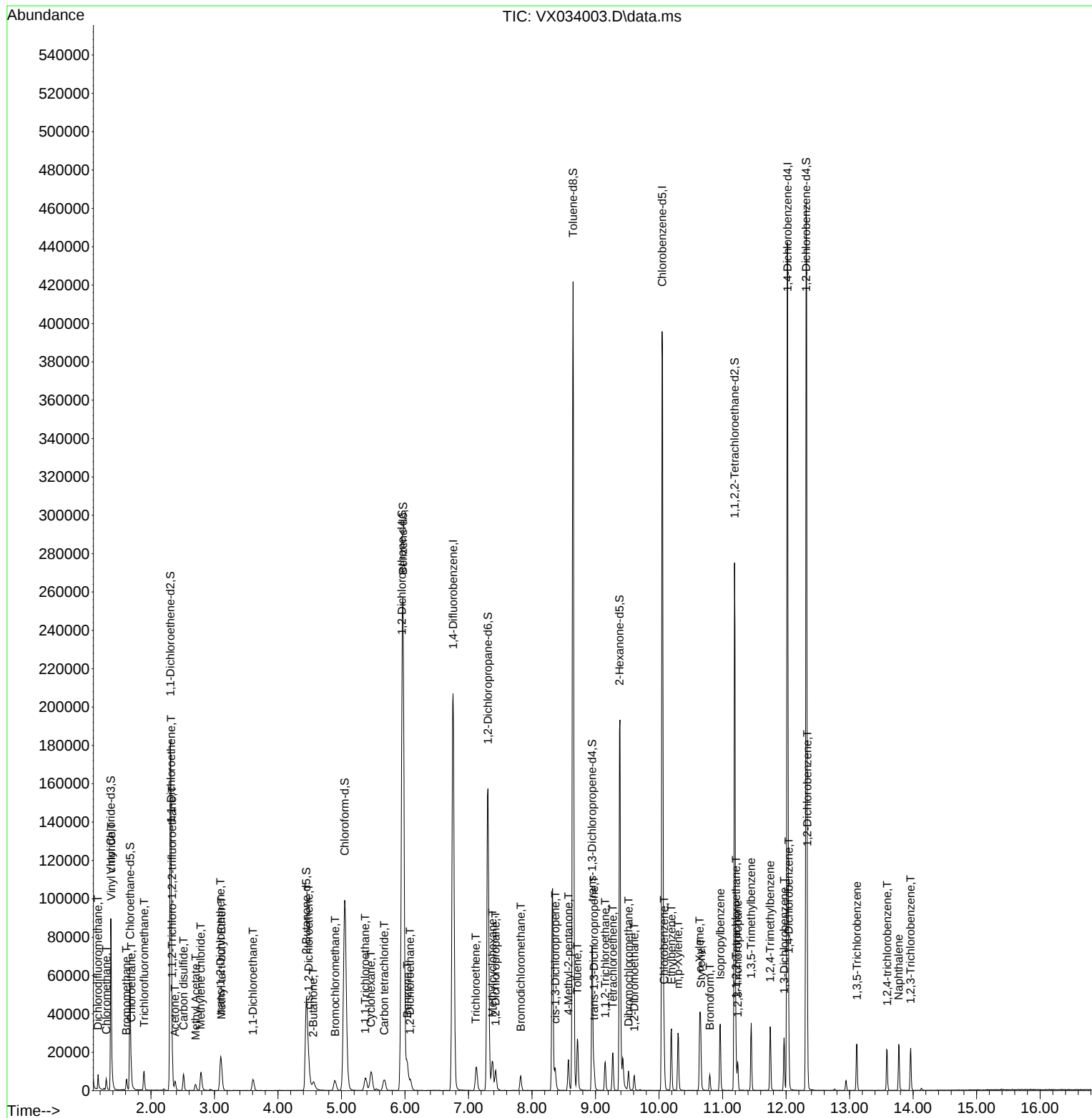
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.464	56	6911	2.840	ug/L	99
30) 1,1,1-Trichloroethane	5.373	97	6190	2.753	ug/L	97
31) Carbon tetrachloride	5.672	117	5779	2.762	ug/L	98
33) Benzene	6.038	78	17323	2.928	ug/L	100
34) Trichloroethene	7.117	95	4661	2.907	ug/L	87
35) Methylcyclohexane	7.379	83	7408	2.897	ug/L	97
37) 1,2-Dichloropropane	7.428	63	4367	2.898	ug/L	98
38) Bromodichloromethane	7.824	83	5309	2.771	ug/L	93
39) cis-1,3-Dichloropropene	8.366	75	6042	2.612	ug/L	94
40) 4-Methyl-2-pentanone	8.574	43	9429	5.085	ug/L	99
42) Toluene	8.714	91	18320	2.895	ug/L	100
44) trans-1,3-Dichloropropene	8.976	75	6887	3.346	ug/L	98
45) 1,1,2-Trichloroethane	9.153	97	4265	2.796	ug/L	94
46) Tetrachloroethene	9.275	164	4445	2.887	ug/L	94
49) Dibromochloromethane	9.519	129	4579	2.782	ug/L	100
50) 1,2-Dibromoethane	9.610	107	4568	2.787	ug/L #	99
51) Chlorobenzene	10.079	112	12332	2.884	ug/L	98
52) Ethylbenzene	10.195	91	19760	2.841	ug/L	97
53) m,p-Xylene	10.299	106	7708	2.761	ug/L	99
54) o-Xylene	10.640	106	7407	2.746	ug/L	92
55) Styrene	10.659	104	12079	2.670	ug/L	94
57) 1,1,2,2-Tetrachloroethane	11.213	83	6593	3.075	ug/L	93
59) Bromoform	10.799	173	3225	2.529	ug/L	99
60) Isopropylbenzene	10.963	105	19781	2.889	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	4771	2.999	ug/L	97
62) 1,3,5-Trimethylbenzene	11.451	105	15393	2.747	ug/L	98
63) 1,2,4-Trimethylbenzene	11.750	105	14967	2.710	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	9592	2.818	ug/L	97
65) 1,4-Dichlorobenzene	12.043	146	10239	2.972	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	9798	2.943	ug/L	98
69) 1,3,5-Trichlorobenzene	13.116	180	7003	2.728	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	6135	2.632	ug/L	99
71) Naphthalene	13.774	128	15994	2.479	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	6367	2.767	ug/L	96

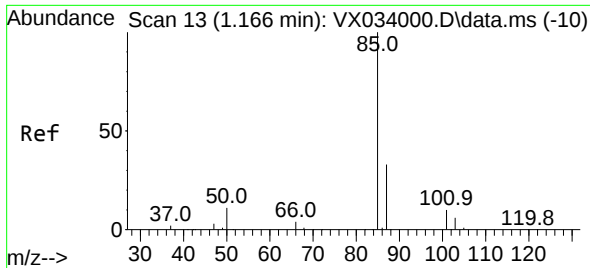
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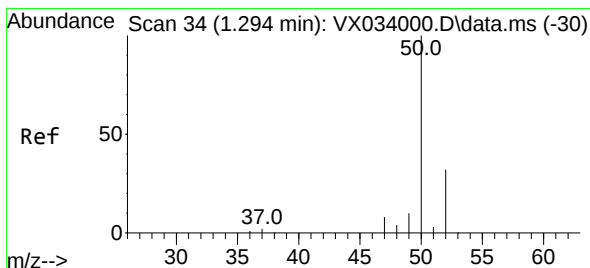
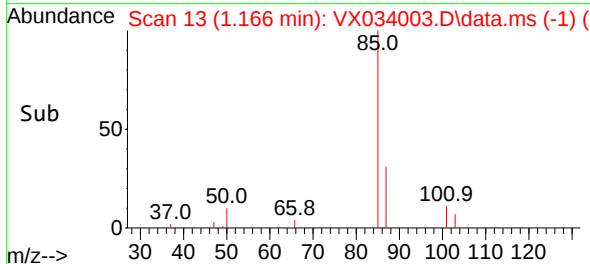
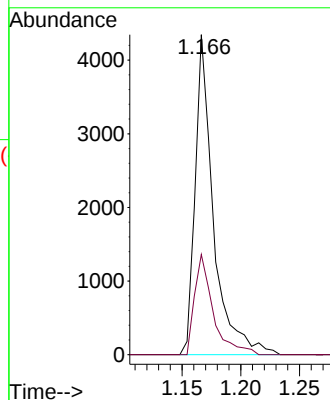
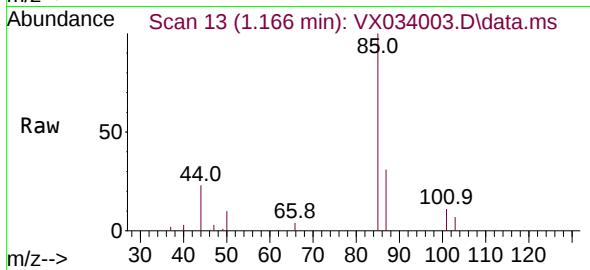




#2
 Dichlorodifluoromethane
 Concen: 2.741 ug/L
 RT: 1.166 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX034003.D
 Acq: 03 Feb 2023 10:42

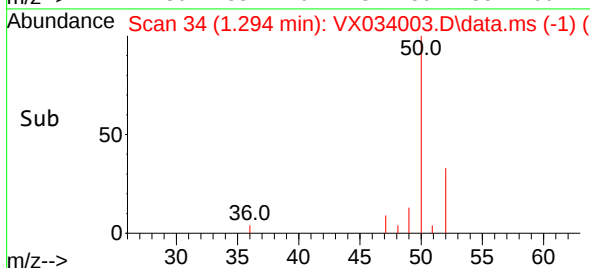
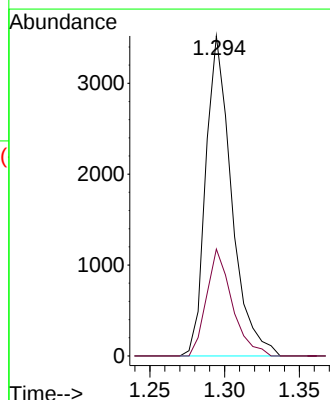
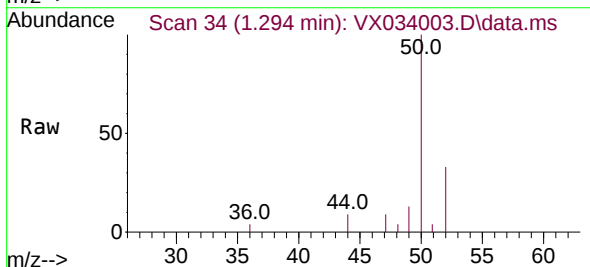
Instrument : MSVOA_X
 ClientSampleId : MDL-WATER-QT1-2023-01

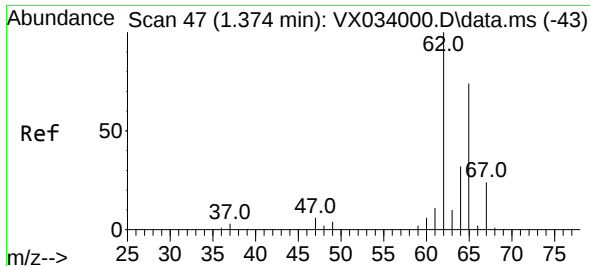
Tgt Ion: 85 Resp: 4700
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.9 38.9



#3
 Chloromethane
 Concen: 2.704 ug/L
 RT: 1.294 min Scan# 34
 Delta R.T. 0.000 min
 Lab File: VX034003.D
 Acq: 03 Feb 2023 10:42

Tgt Ion: 50 Resp: 4232
 Ion Ratio Lower Upper
 50 100
 52 33.4 22.5 41.7

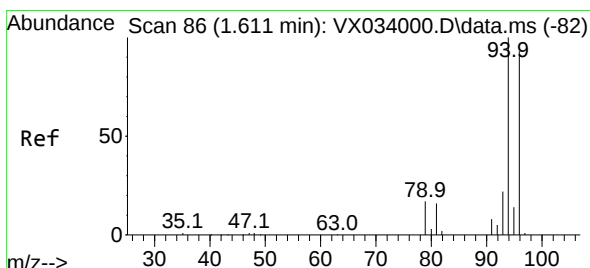
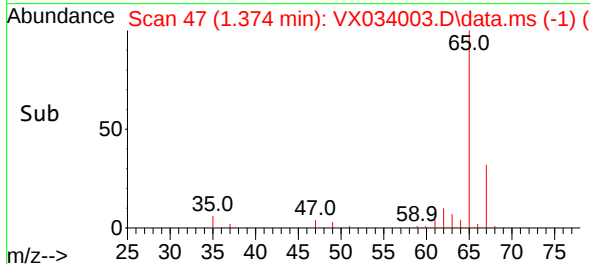
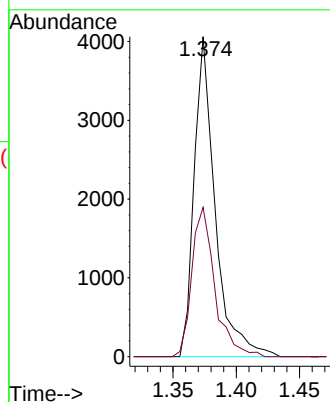
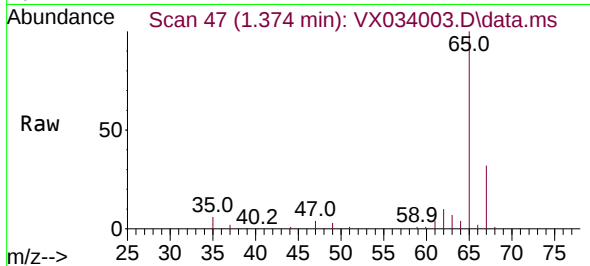




#5
 Vinyl chloride
 Concen: 2.959 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX034003.D
 Acq: 03 Feb 2023 10:42

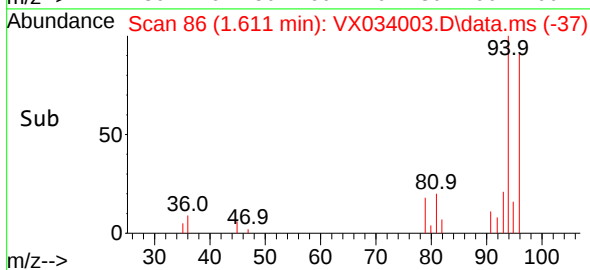
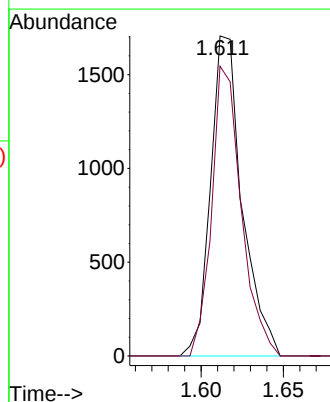
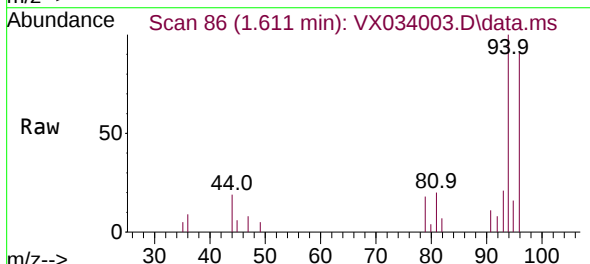
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT1-2023-01

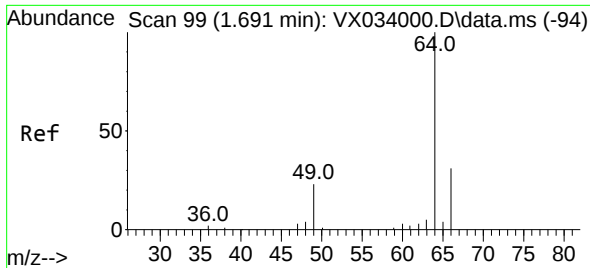
Tgt Ion: 62 Resp: 4683
 Ion Ratio Lower Upper
 62 100
 64 46.7 23.2 43.0#



#6
 Bromomethane
 Concen: 2.779 ug/L
 RT: 1.611 min Scan# 86
 Delta R.T. 0.000 min
 Lab File: VX034003.D
 Acq: 03 Feb 2023 10:42

Tgt Ion: 94 Resp: 2281
 Ion Ratio Lower Upper
 94 100
 96 90.6 65.7 122.1

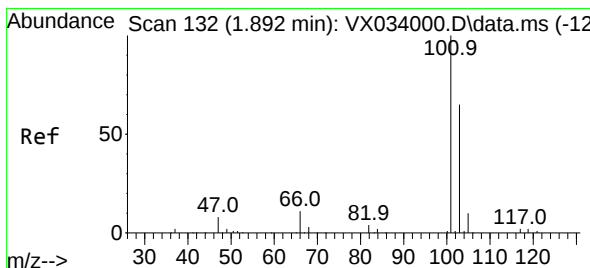
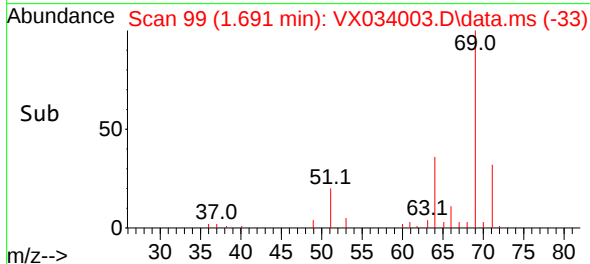
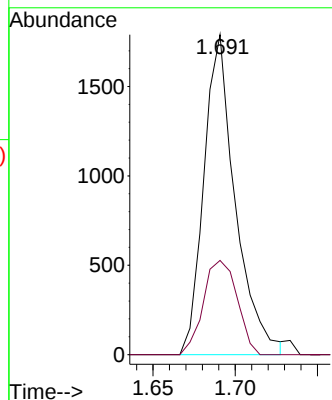
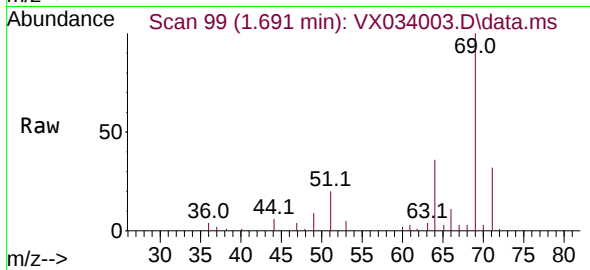




#8
Chloroethane
Concen: 2.821 ug/L
RT: 1.691 min Scan# 99
Delta R.T. 0.000 min
Lab File: VX034003.D
Acq: 03 Feb 2023 10:42

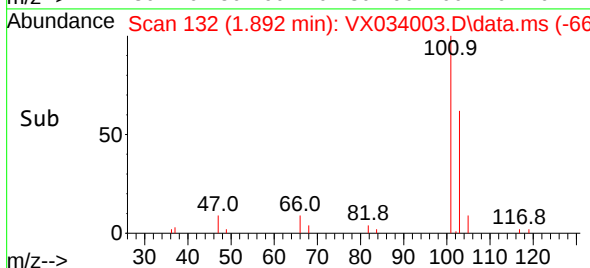
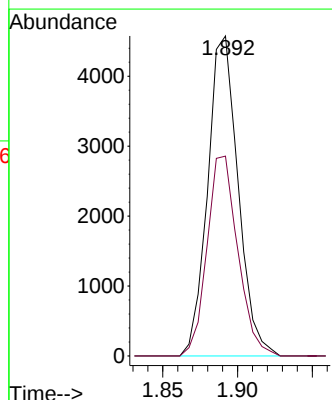
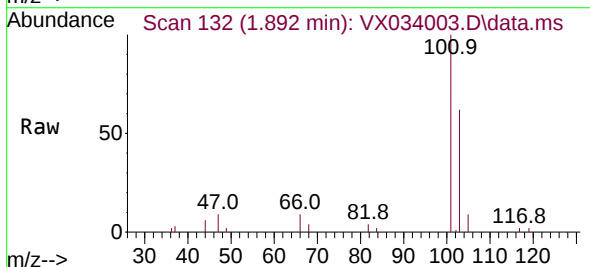
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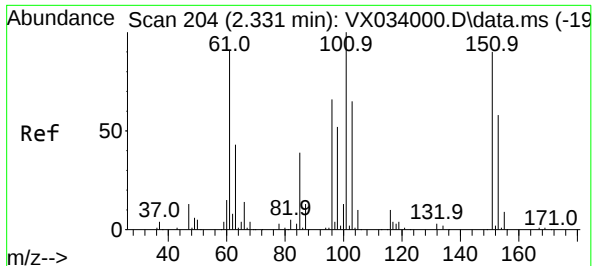
Tgt Ion: 64 Resp: 2373
Ion Ratio Lower Upper
64 100
66 29.4 22.5 41.9



#9
Trichlorofluoromethane
Concen: 2.889 ug/L
RT: 1.892 min Scan# 132
Delta R.T. 0.000 min
Lab File: VX034003.D
Acq: 03 Feb 2023 10:42

Tgt Ion: 101 Resp: 6480
Ion Ratio Lower Upper
101 100
103 63.2 52.6 78.8





#10

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

Concen: 3.524 ug/L

RT: 2.331 min Scan# 204

Delta R.T. 0.000 min

Lab File: VX034003.D

Acq: 03 Feb 2023 10:42

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2023-01

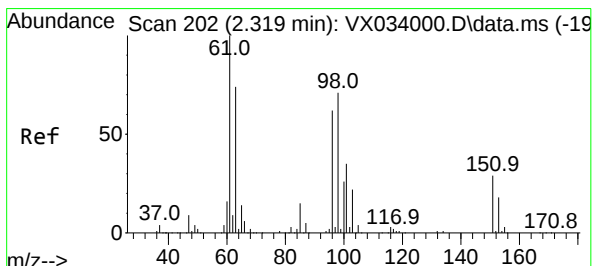
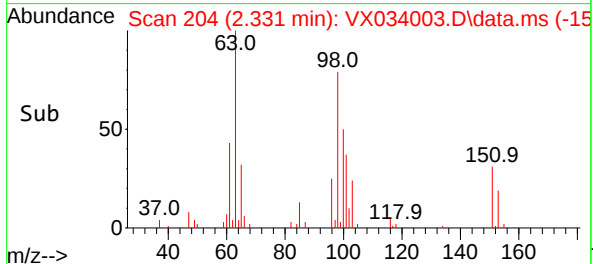
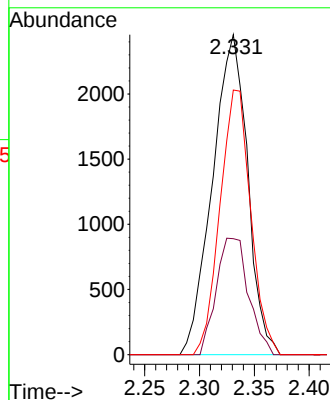
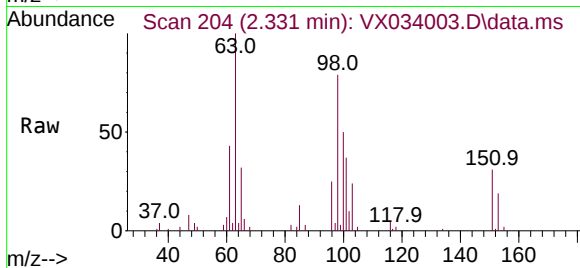
Tgt Ion:101 Resp: 5467

Ion Ratio Lower Upper

101 100

85 33.4 32.2 48.4

151 72.5 69.3 103.9



#12

1,1-Dichloroethene

Concen: 3.498 ug/L

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX034003.D

Acq: 03 Feb 2023 10:42

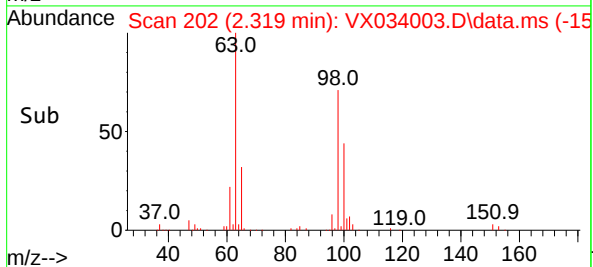
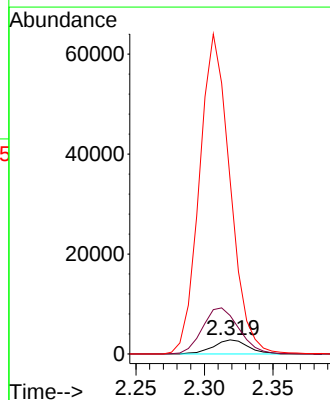
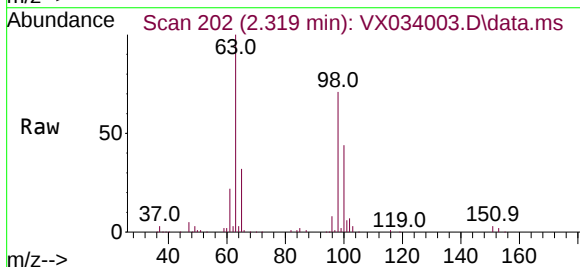
Tgt Ion: 96 Resp: 4963

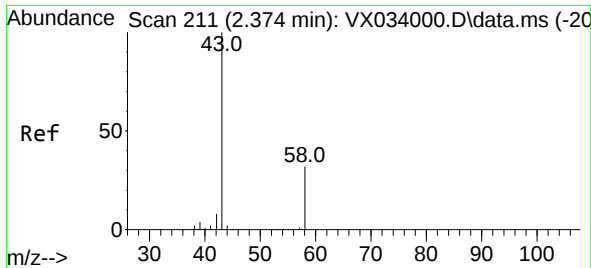
Ion Ratio Lower Upper

96 100

61 272.3 107.6 199.8#

63 1230.3 69.6 129.2#





#13

Acetone

Concen: 5.702 ug/L

RT: 2.380 min Scan# 211

Delta R.T. 0.006 min

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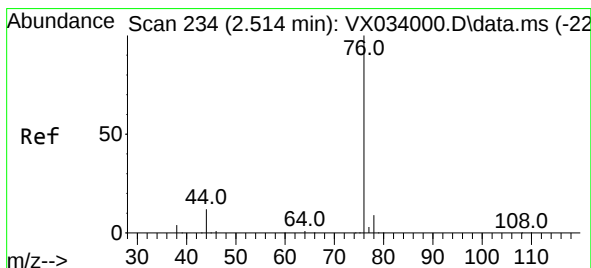
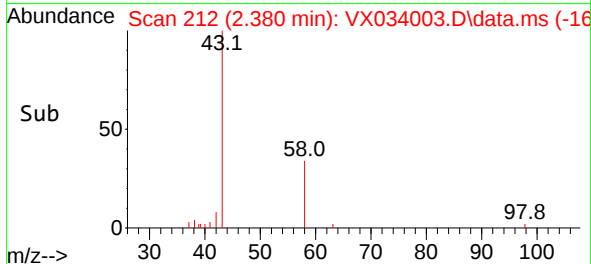
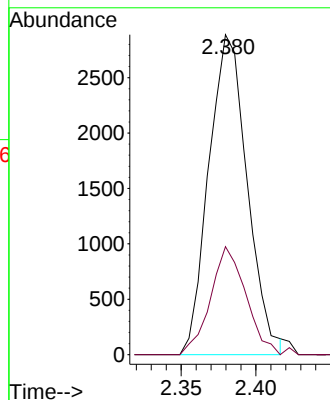
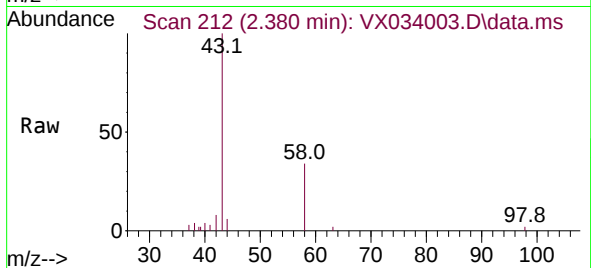
MDL-WATER-QT1-2023-01

Tgt Ion: 43 Resp: 5162

Ion Ratio Lower Upper

43 100

58 31.0 0.0 62.8



#14

Carbon disulfide

Concen: 2.730 ug/L

RT: 2.514 min Scan# 234

Delta R.T. 0.000 min

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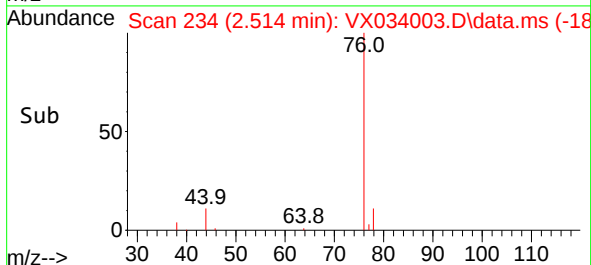
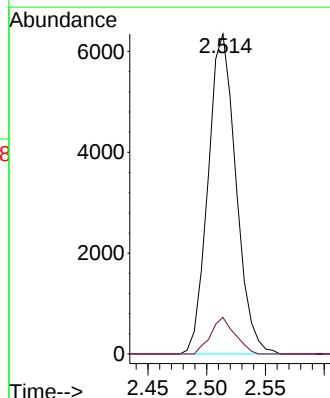
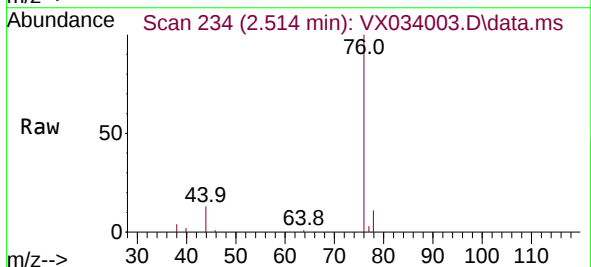
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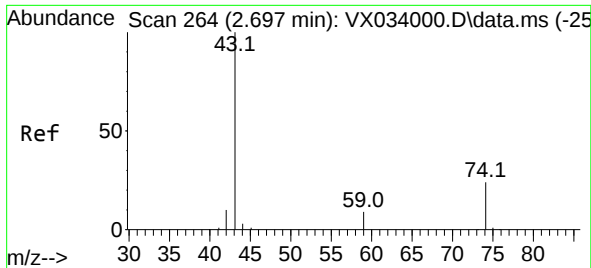
Tgt Ion: 76 Resp: 10484

Ion Ratio Lower Upper

76 100

78 11.5 7.4 11.2#





#15

Methyl Acetate

Concen: 2.799 ug/L

RT: 2.703 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX034003.D

Acq: 03 Feb 2023 10:42

Instrument :

MSVOA_X

ClientSampleId :

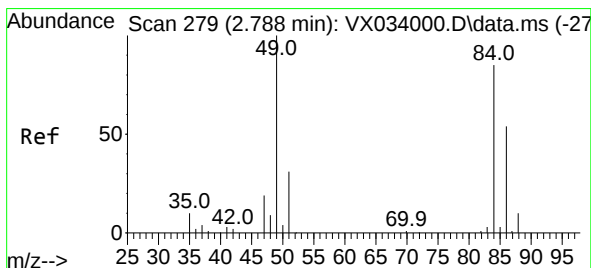
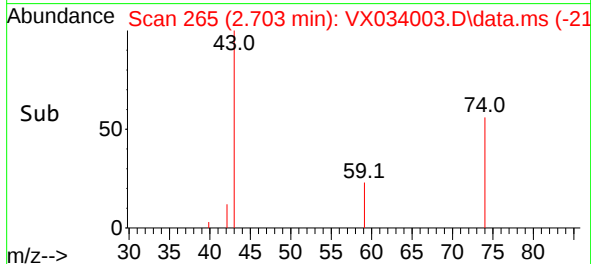
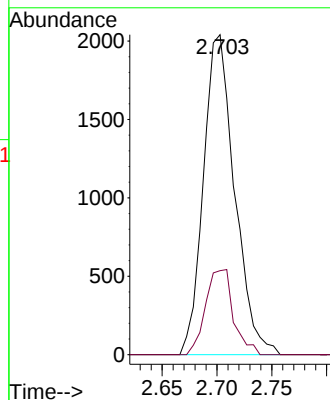
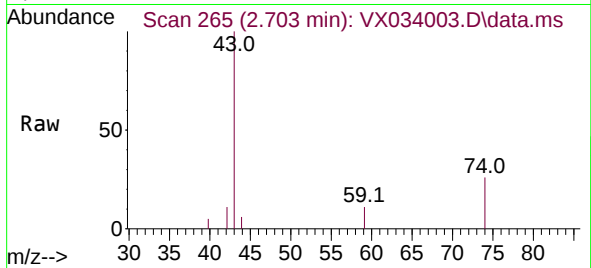
MDL-WATER-QT1-2023-01

Tgt Ion: 43 Resp: 4037

Ion Ratio Lower Upper

43 100

74 23.7 19.7 29.5



#16

Methylene chloride

Concen: 3.234 ug/L

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX034003.D

Acq: 03 Feb 2023 10:42

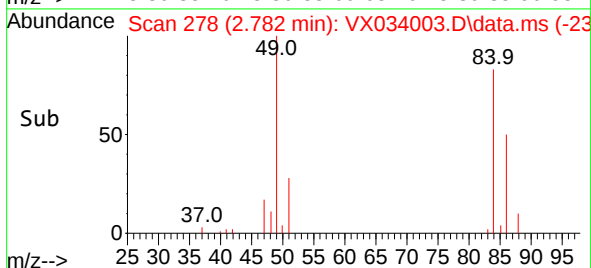
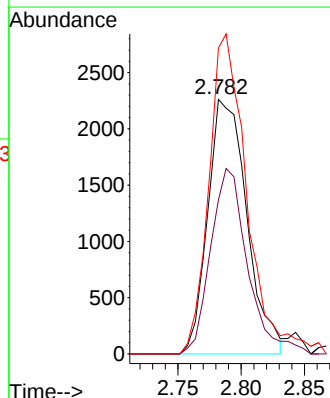
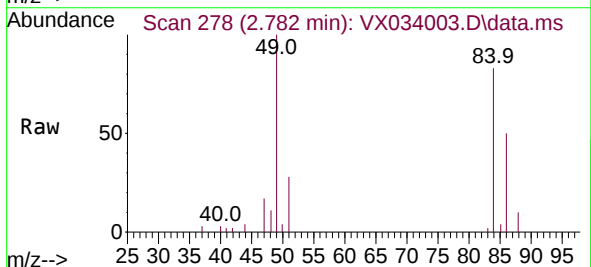
Tgt Ion: 84 Resp: 4859

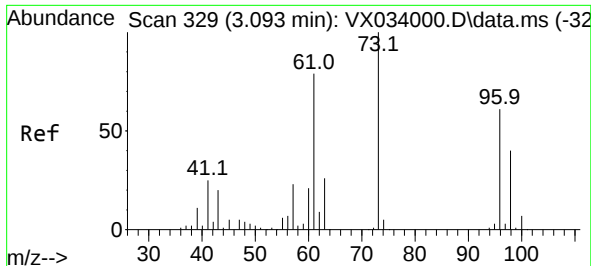
Ion Ratio Lower Upper

84 100

86 60.5 45.2 84.0

49 120.2 82.5 153.1

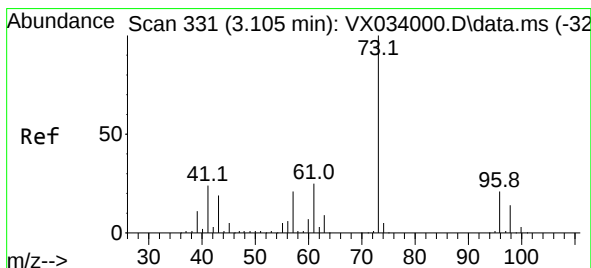
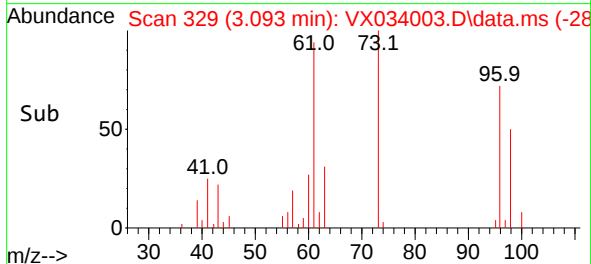
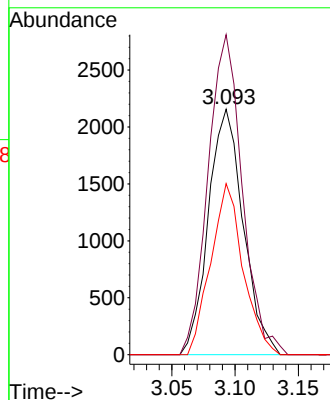
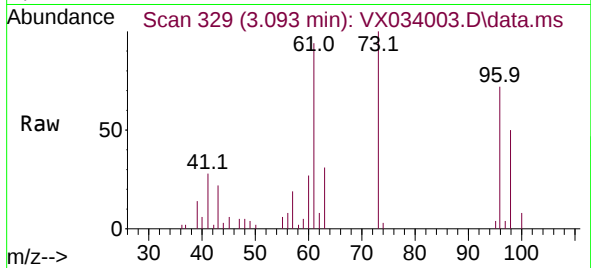




#17
trans-1,2-Dichloroethene
Concen: 2.825 ug/L
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX034003.D
Acq: 03 Feb 2023 10:42

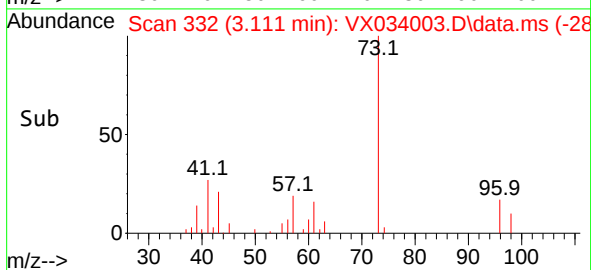
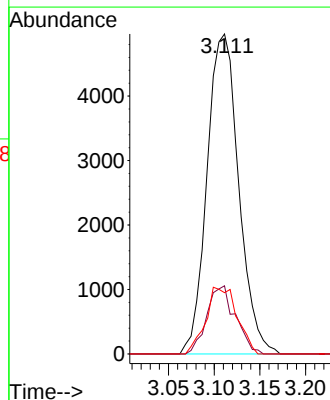
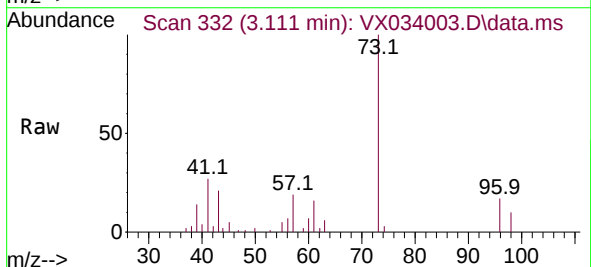
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2023-01

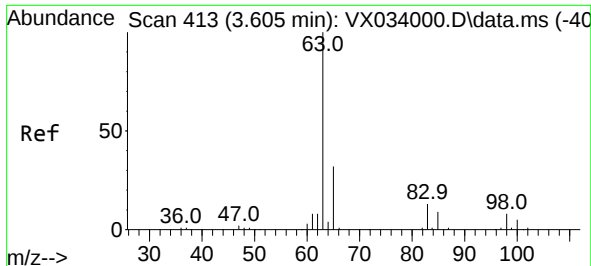
Tgt Ion: 96 Resp: 4138
Ion Ratio Lower Upper
96 100
61 130.4 87.7 162.9
98 69.7 45.4 84.4



#18
Methyl tert-butyl Ether
Concen: 2.809 ug/L
RT: 3.111 min Scan# 332
Delta R.T. 0.006 min
Lab File: VX034003.D
Acq: 03 Feb 2023 10:42

Tgt Ion: 73 Resp: 11980
Ion Ratio Lower Upper
73 100
43 19.1 15.6 23.4
57 13.1 17.5 26.3#





#19

1,1-Dichloroethane

Concen: 2.719 ug/L

RT: 3.605 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX034003.D

Acq: 03 Feb 2023 10:42

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2023-01

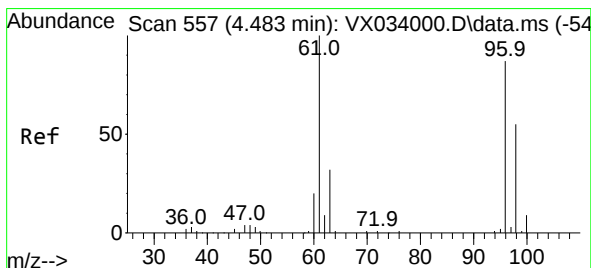
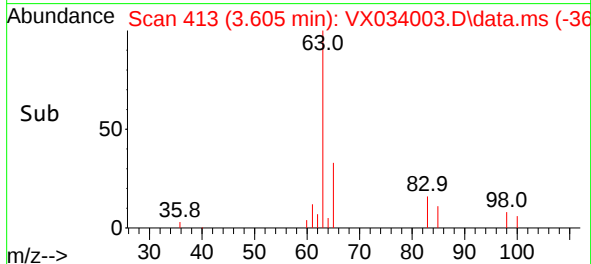
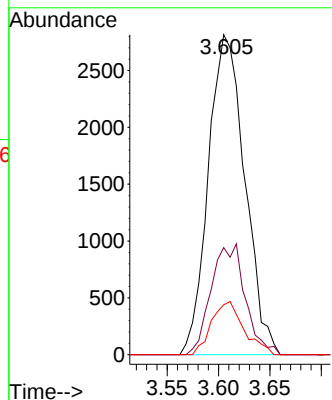
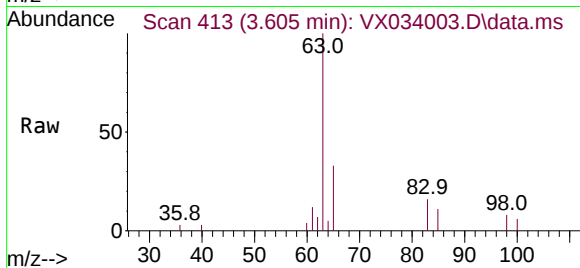
Tgt Ion: 63 Resp: 6951

Ion Ratio Lower Upper

63 100

65 33.5 21.9 40.7

83 15.6 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 2.943 ug/L

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX034003.D

Acq: 03 Feb 2023 10:42

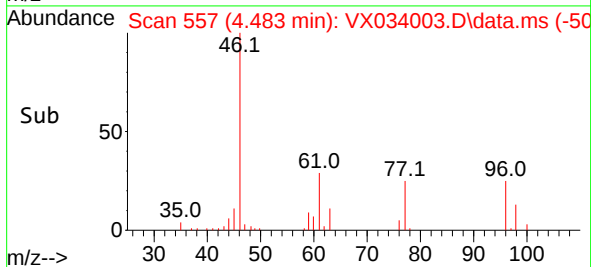
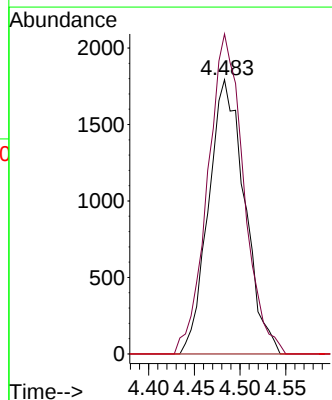
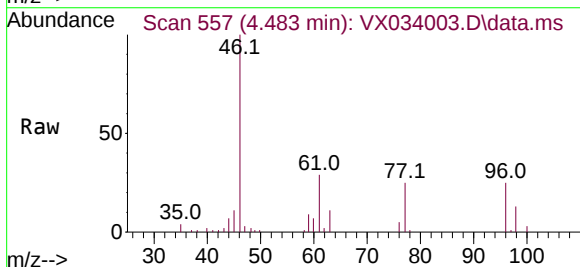
Tgt Ion: 96 Resp: 4927

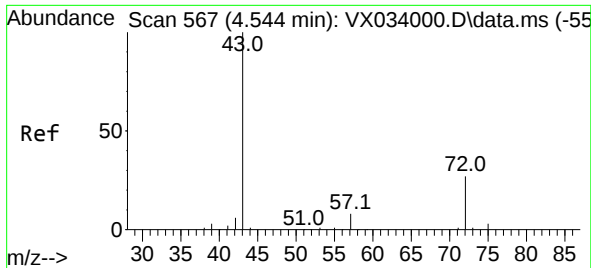
Ion Ratio Lower Upper

96 100

61 116.7 80.3 149.1

68 0.0 0.0 0.0

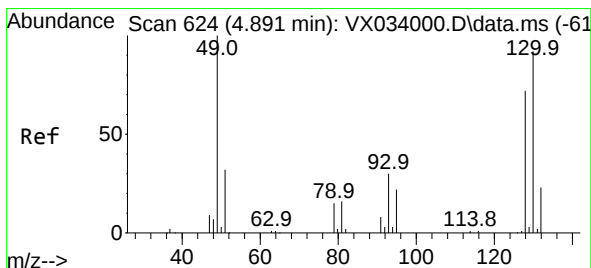
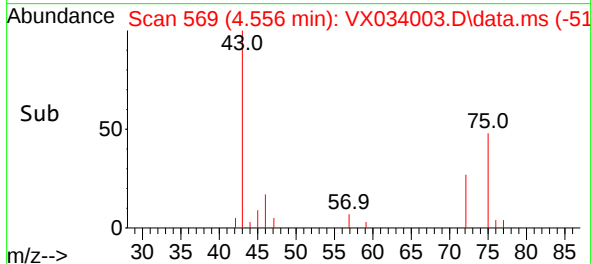
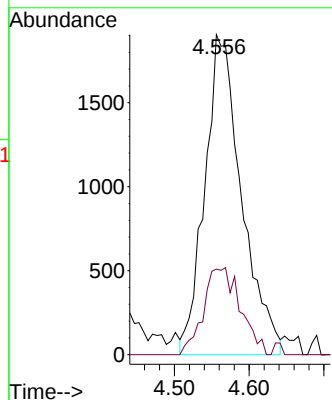
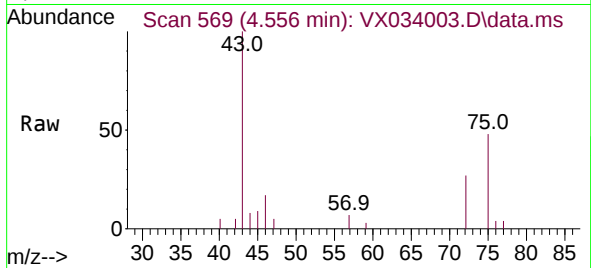




#22
2-Butanone
Concen: 5.787 ug/L
RT: 4.556 min Scan# 569
Delta R.T. 0.012 min
Lab File: VX034003.D
Acq: 03 Feb 2023 10:42

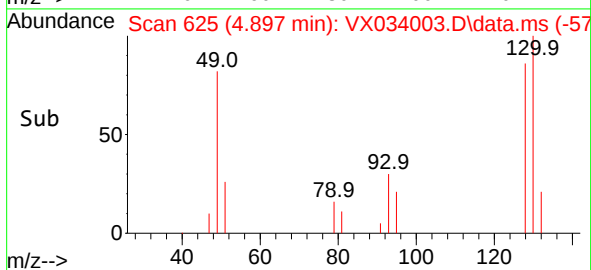
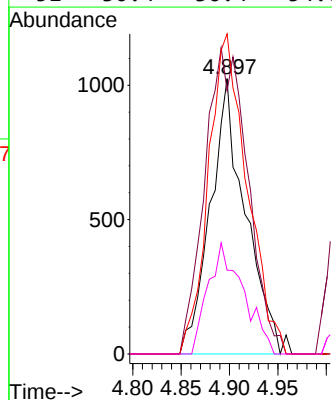
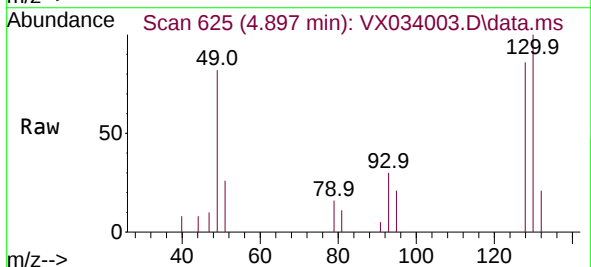
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2023-01

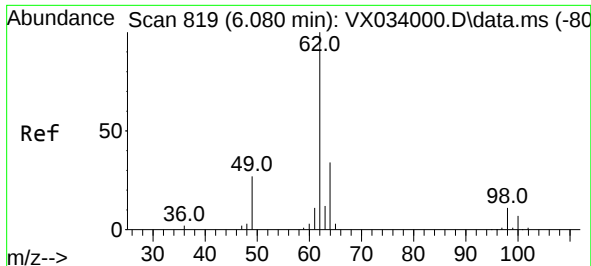
Tgt Ion: 43 Resp: 6510
Ion Ratio Lower Upper
43 100
72 14.2 13.2 39.6



#23
Bromochloromethane
Concen: 2.791 ug/L
RT: 4.897 min Scan# 625
Delta R.T. 0.006 min
Lab File: VX034003.D
Acq: 03 Feb 2023 10:42

Tgt Ion: 128 Resp: 2565
Ion Ratio Lower Upper
128 100
49 95.6 94.7 175.9
130 116.2 91.3 169.6
51 30.4 36.4 54.6#





#27

1,2-Dichloroethane

Concen: 2.984 ug/L

RT: 6.080 min Scan# 819

Delta R.T. 0.000 min

Lab File: VX034003.D

Acq: 03 Feb 2023 10:42

Instrument :

MSVOA_X

ClientSampleId :

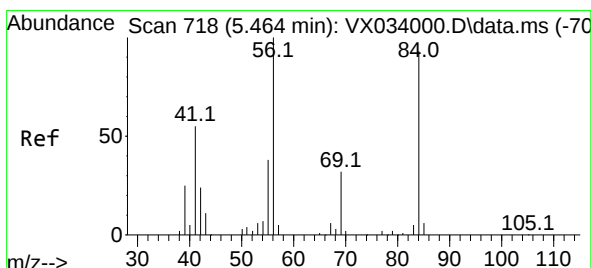
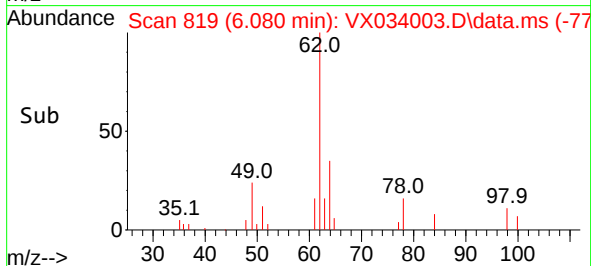
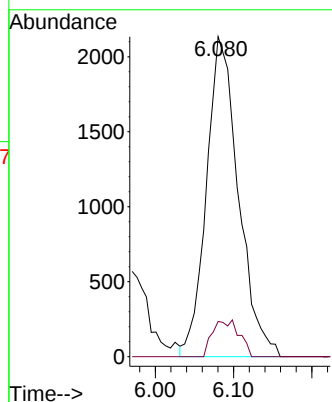
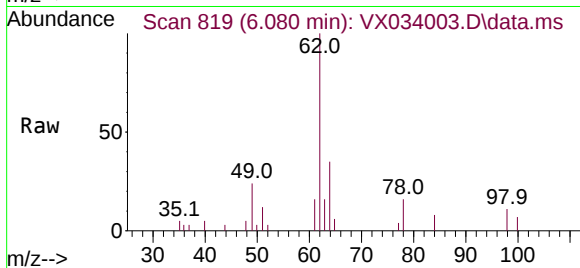
MDL-WATER-QT1-2023-01

Tgt Ion: 62 Resp: 6047

Ion Ratio Lower Upper

62 100

98 11.0 9.1 13.7



#29

Cyclohexane

Concen: 2.840 ug/L

RT: 5.464 min Scan# 718

Delta R.T. 0.000 min

Lab File: VX034003.D

Acq: 03 Feb 2023 10:42

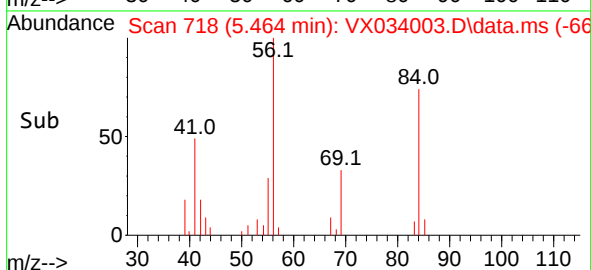
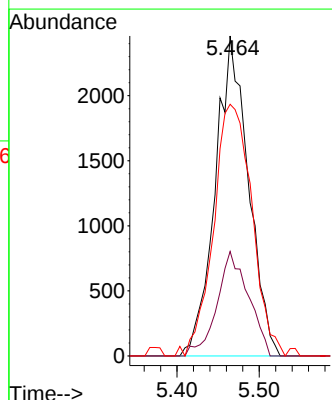
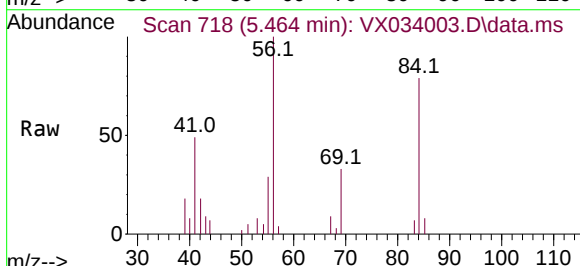
Tgt Ion: 56 Resp: 6911

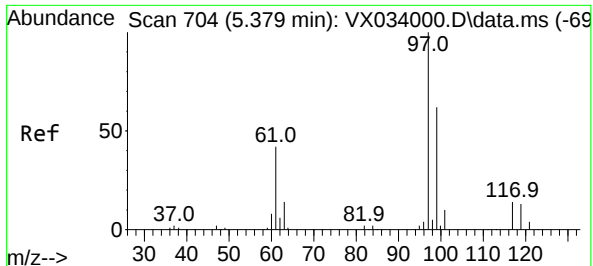
Ion Ratio Lower Upper

56 100

69 30.2 24.8 37.2

84 90.4 73.2 109.8





#30

1,1,1-Trichloroethane

Concen: 2.753 ug/L

RT: 5.373 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX034003.D

Acq: 03 Feb 2023 10:42

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2023-01

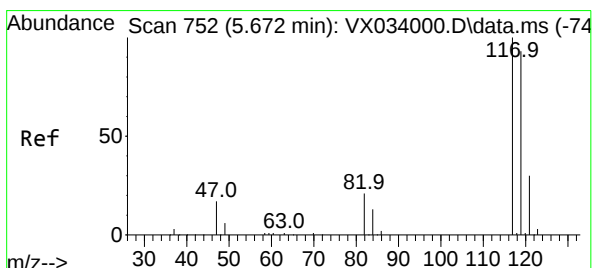
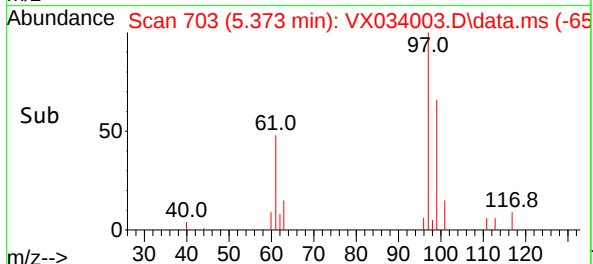
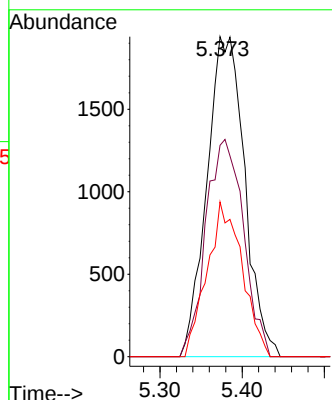
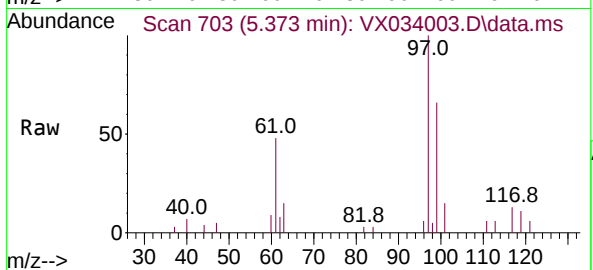
Tgt Ion: 97 Resp: 6190

Ion Ratio Lower Upper

97 100

99 67.7 51.8 77.8

61 45.0 34.7 52.1



#31

Carbon tetrachloride

Concen: 2.762 ug/L

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX034003.D

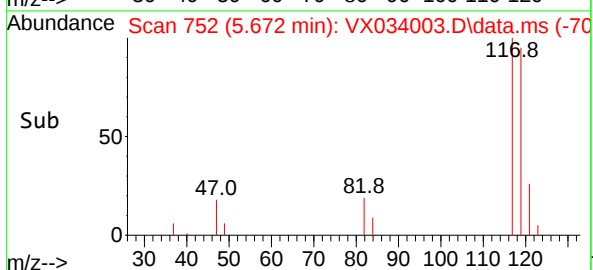
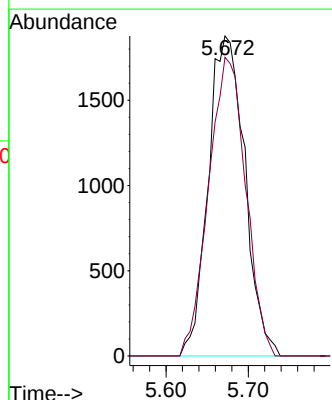
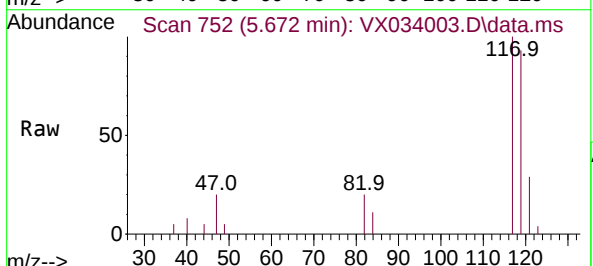
Acq: 03 Feb 2023 10:42

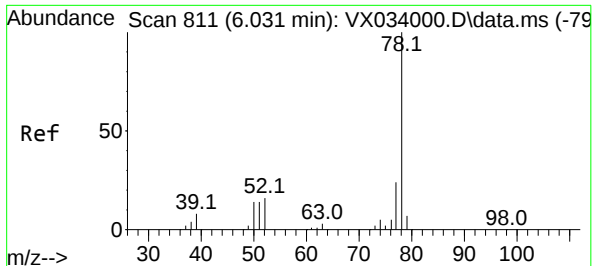
Tgt Ion: 117 Resp: 5779

Ion Ratio Lower Upper

117 100

119 94.9 77.1 115.7

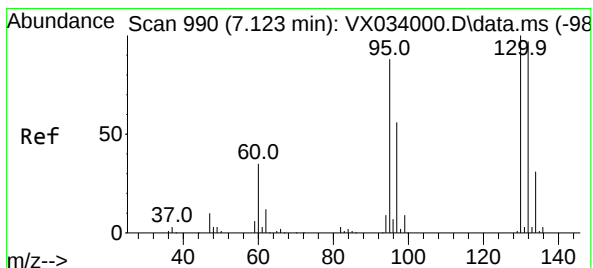
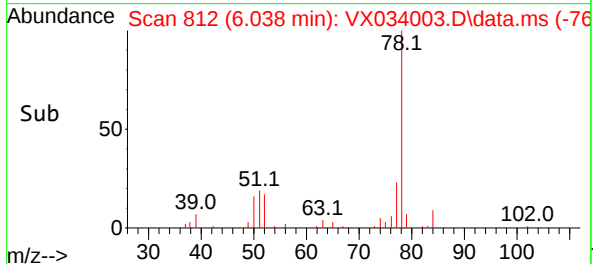
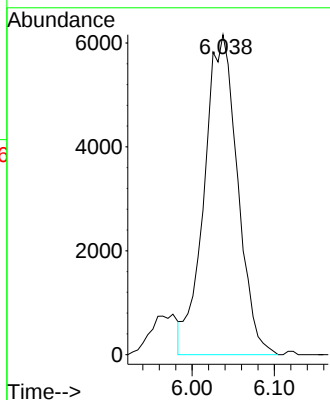
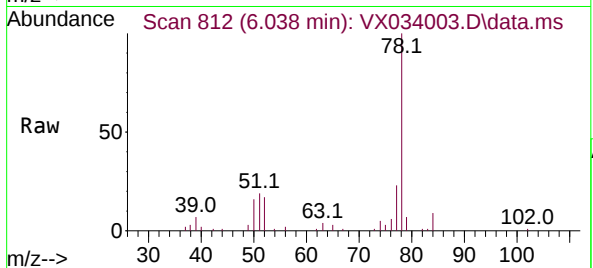




#33
Benzene
Concen: 2.928 ug/L
RT: 6.038 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX034003.D
Acq: 03 Feb 2023 10:42

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2023-01

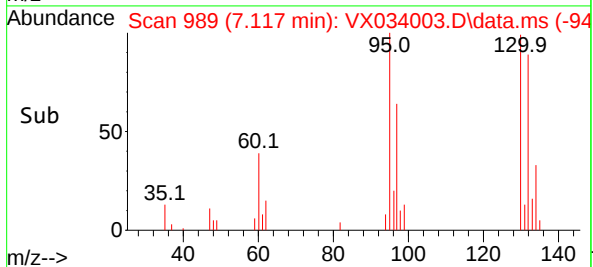
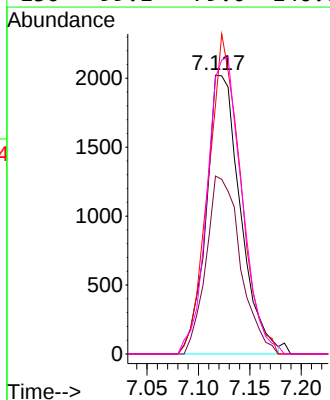
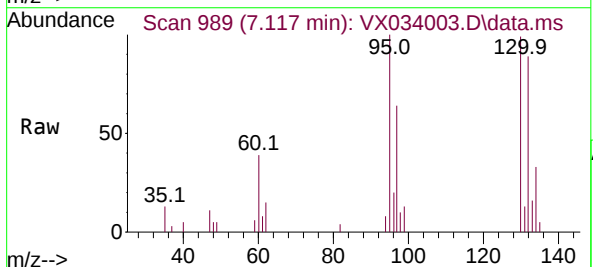
Tgt Ion: 78 Resp: 17323

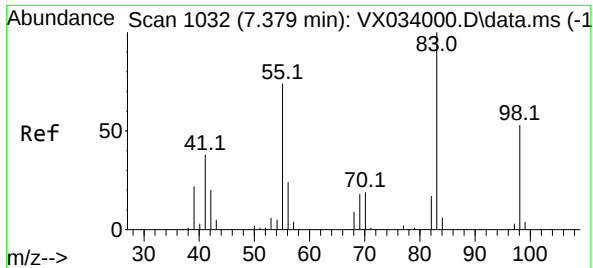


#34
Trichloroethene
Concen: 2.907 ug/L
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX034003.D
Acq: 03 Feb 2023 10:42

Tgt Ion: 95 Resp: 4661

Ion	Ratio	Lower	Upper
95	100		
97	63.8	46.8	87.0
132	89.2	76.2	141.4
130	99.1	79.0	146.6

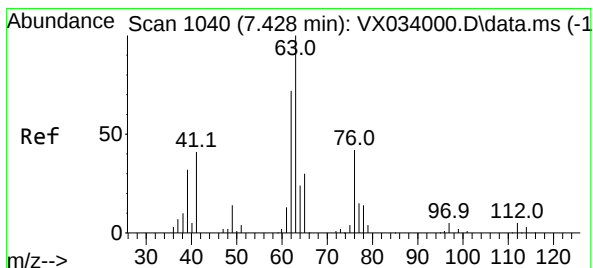
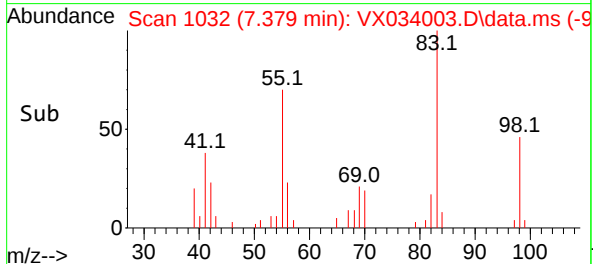
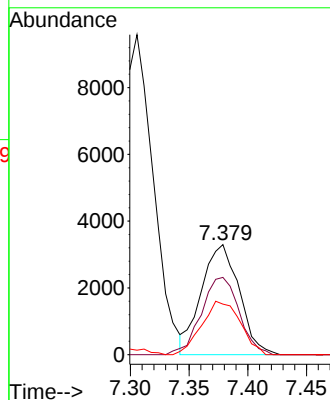
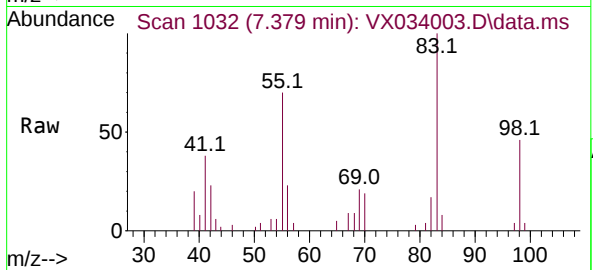




#35
Methylcyclohexane
Concen: 2.897 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX034003.D
Acq: 03 Feb 2023 10:42

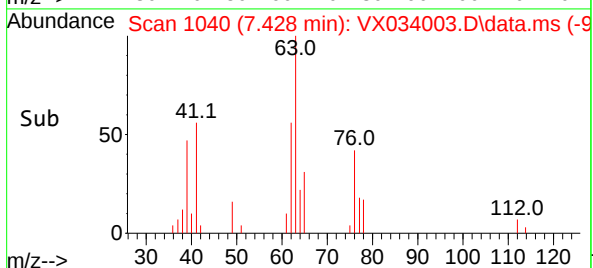
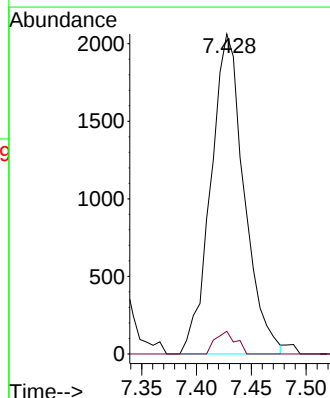
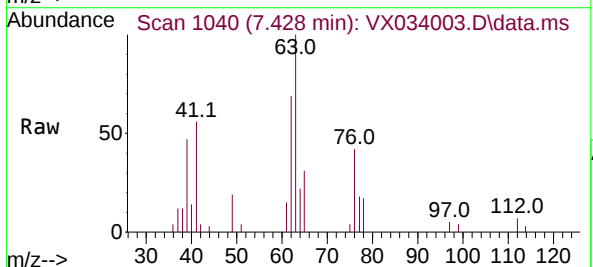
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2023-01

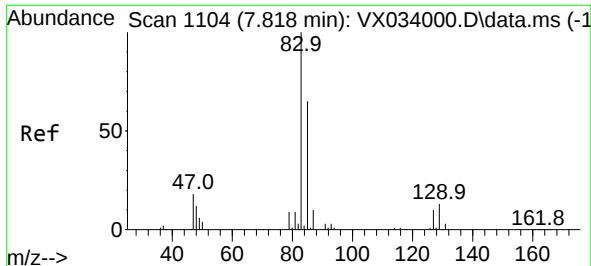
Tgt Ion: 83	Resp: 7408		
Ion Ratio	Lower	Upper	
83	100		
55	69.8	59.0	88.4
98	49.4	40.6	60.8



#37
1,2-Dichloropropane
Concen: 2.898 ug/L
RT: 7.428 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VX034003.D
Acq: 03 Feb 2023 10:42

Tgt Ion: 63	Resp: 4367		
Ion Ratio	Lower	Upper	
63 100			
112 4.3	4.1	6.1	

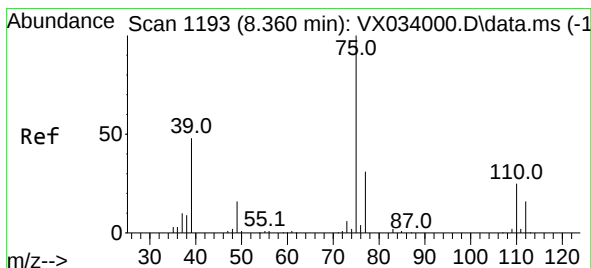
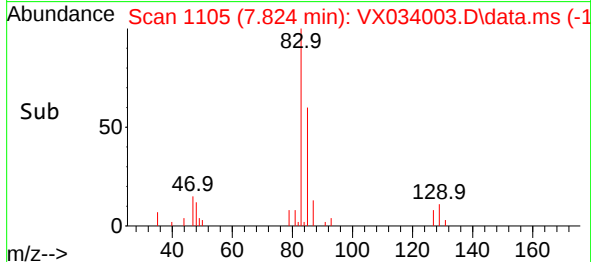
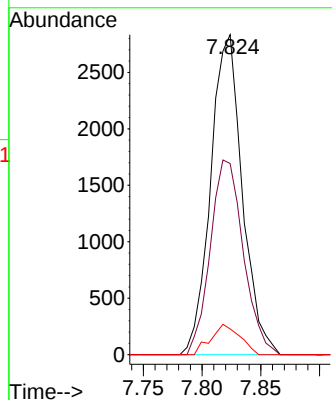
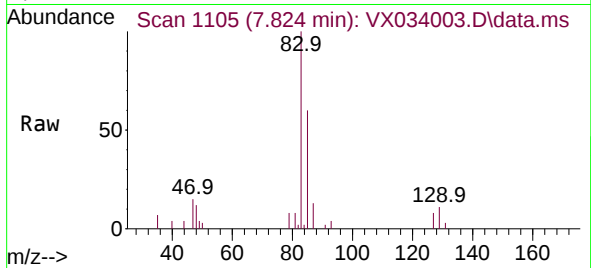




#38
Bromodichloromethane
Concen: 2.771 ug/L
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX034003.D
Acq: 03 Feb 2023 10:42

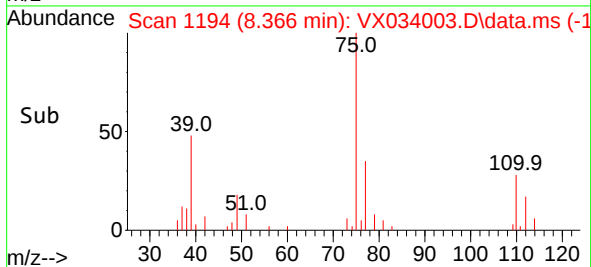
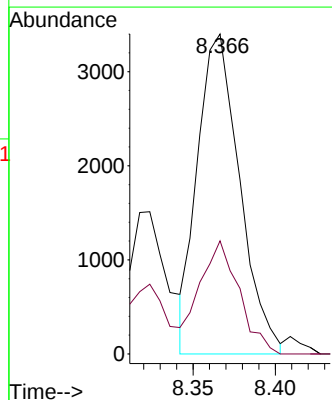
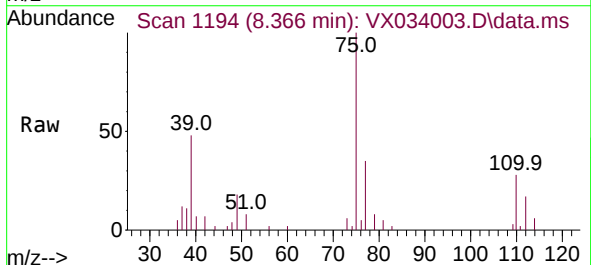
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2023-01

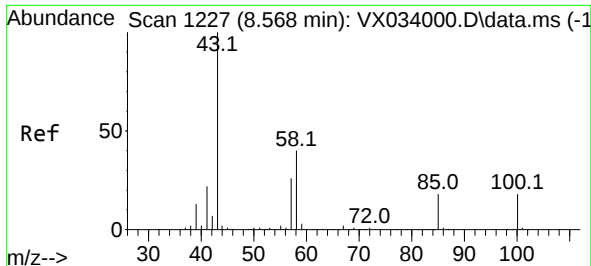
Tgt Ion: 83 Resp: 5309
Ion Ratio Lower Upper
83 100
85 59.8 46.3 85.9
127 8.0 7.4 11.0



#39
cis-1,3-Dichloropropene
Concen: 2.612 ug/L
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX034003.D
Acq: 03 Feb 2023 10:42

Tgt Ion: 75 Resp: 6042
Ion Ratio Lower Upper
75 100
77 35.4 22.5 41.9





#40

4-Methyl-2-pentanone

Concen: 5.085 ug/L

RT: 8.574 min Scan# 1228

Delta R.T. 0.006 min

Lab File: VX034003.D

Acq: 03 Feb 2023 10:42

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2023-01

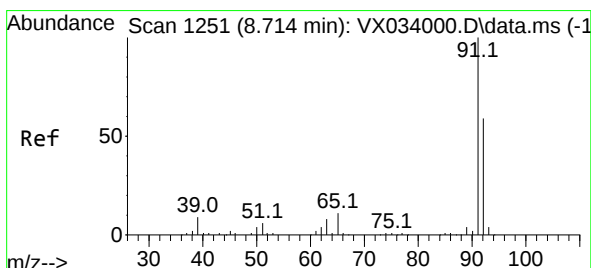
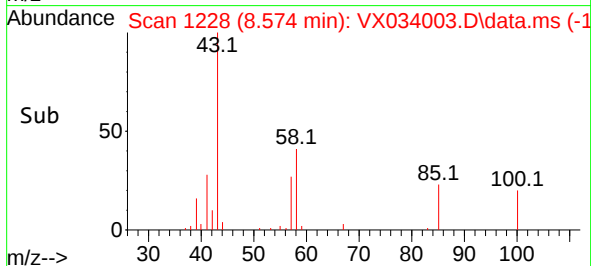
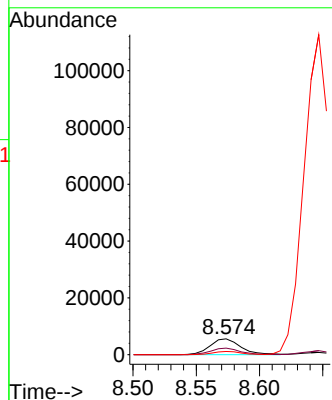
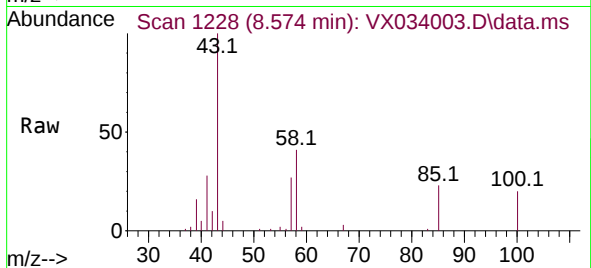
Tgt Ion: 43 Resp: 9429

Ion Ratio Lower Upper

43 100

58 40.0 31.9 47.9

100 19.1 14.4 21.6



#42

Toluene

Concen: 2.895 ug/L

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX034003.D

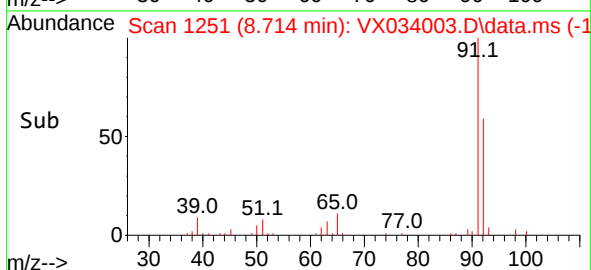
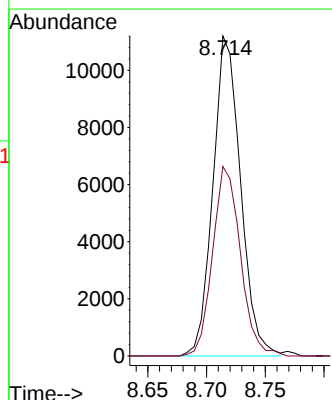
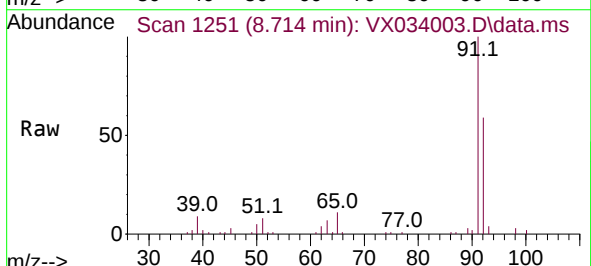
Acq: 03 Feb 2023 10:42

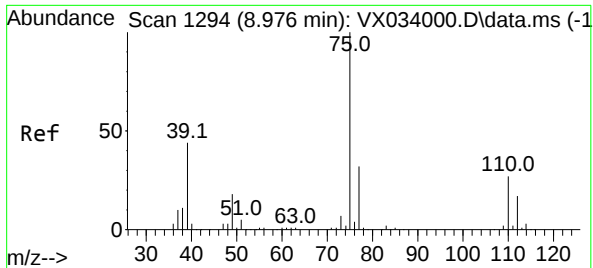
Tgt Ion: 91 Resp: 18320

Ion Ratio Lower Upper

91 100

92 59.2 41.6 77.3

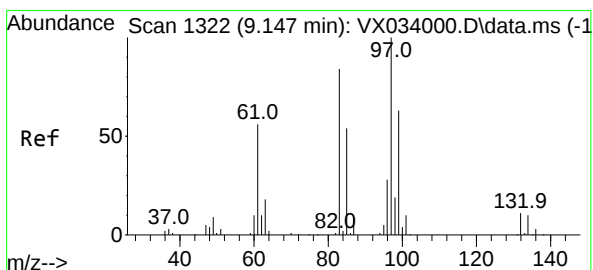
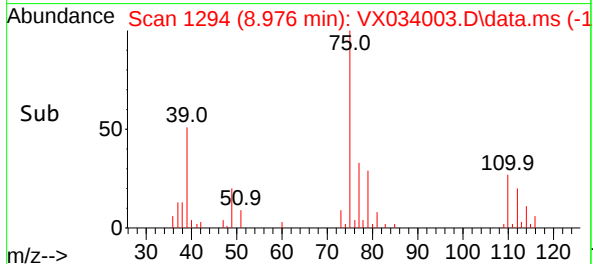
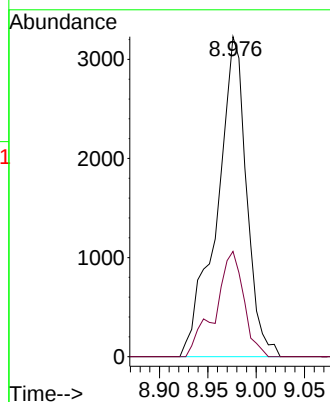
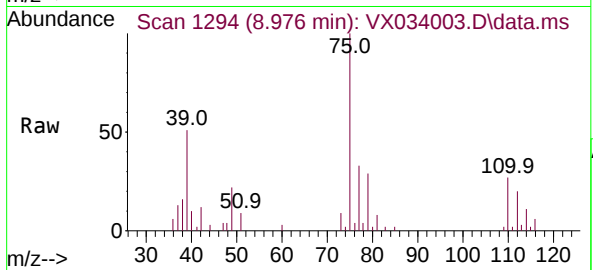




#44
trans-1,3-Dichloropropene
Concen: 3.346 ug/L
RT: 8.976 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034003.D
Acq: 03 Feb 2023 10:42

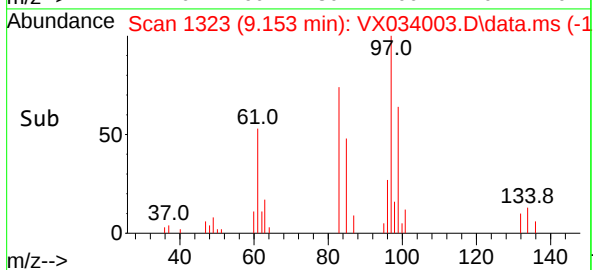
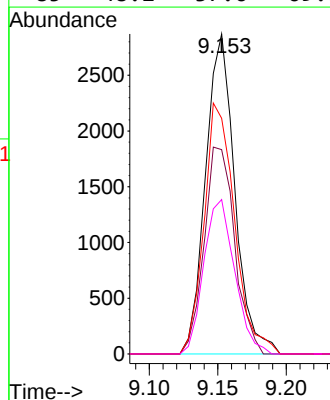
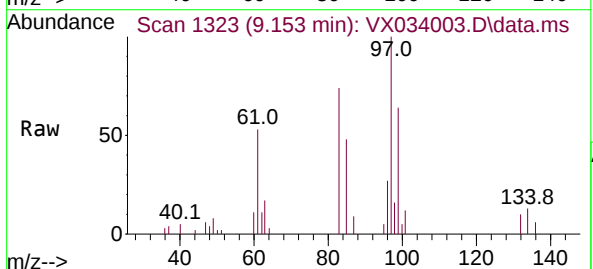
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2023-01

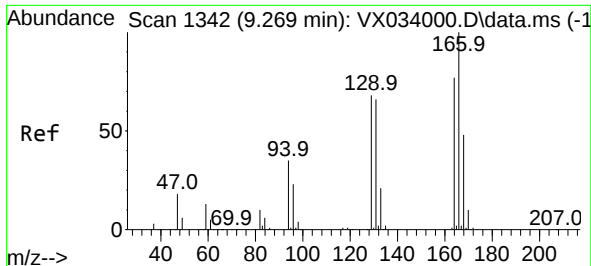
Tgt Ion: 75 Resp: 6887
Ion Ratio Lower Upper
75 100
77 32.9 22.3 41.3



#45
1,1,2-Trichloroethane
Concen: 2.796 ug/L
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX034003.D
Acq: 03 Feb 2023 10:42

Tgt Ion: 97 Resp: 4265
Ion Ratio Lower Upper
97 100
99 63.8 43.5 80.9
83 73.6 56.8 105.4
85 48.2 37.6 69.8

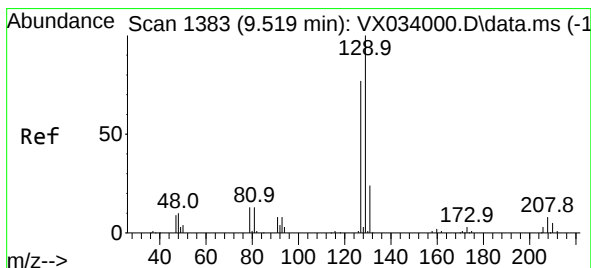
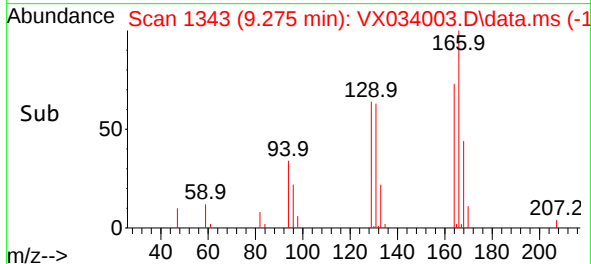
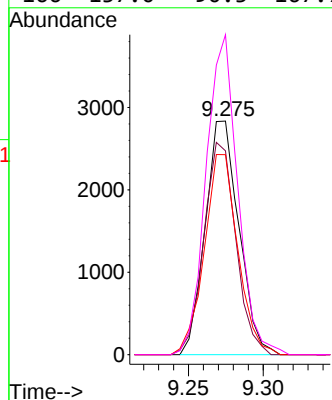
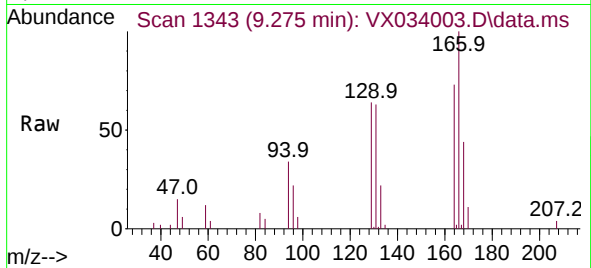




#46
Tetrachloroethene
Concen: 2.887 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX034003.D
Acq: 03 Feb 2023 10:42

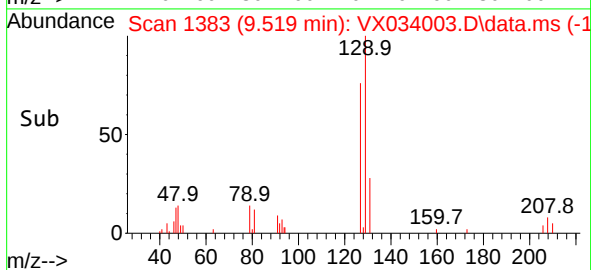
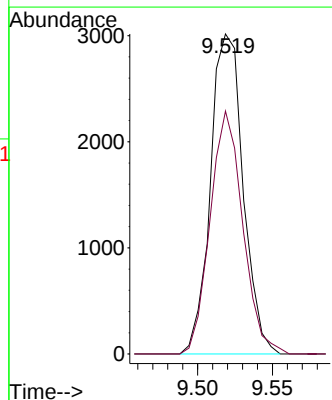
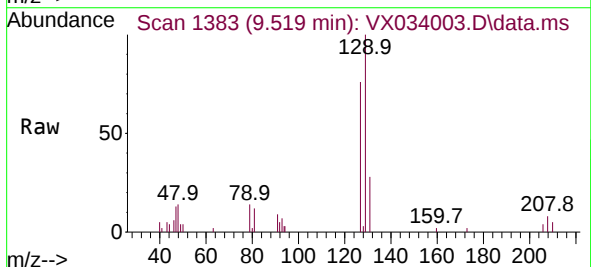
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2023-01

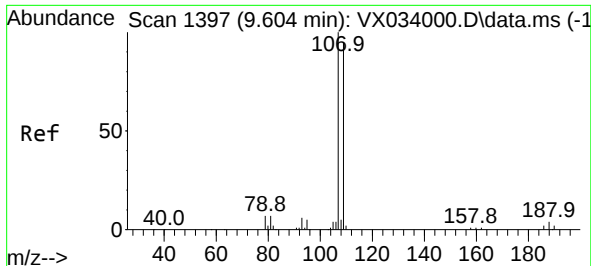
Tgt Ion:164 Resp: 4445
Ion Ratio Lower Upper
164 100
129 87.3 59.3 110.1
131 85.7 56.1 104.3
166 137.0 90.3 167.7



#49
Dibromochloromethane
Concen: 2.782 ug/L
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX034003.D
Acq: 03 Feb 2023 10:42

Tgt Ion:129 Resp: 4579
Ion Ratio Lower Upper
129 100
127 75.9 53.3 98.9





#50

1,2-Dibromoethane

Concen: 2.787 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VX034003.D

Acq: 03 Feb 2023 10:42

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2023-01

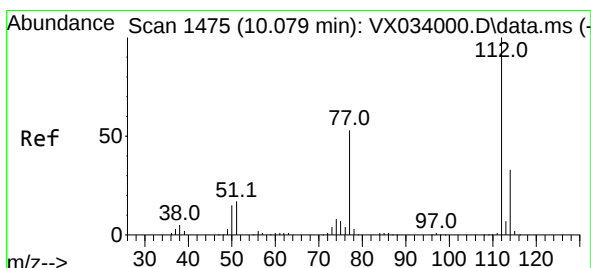
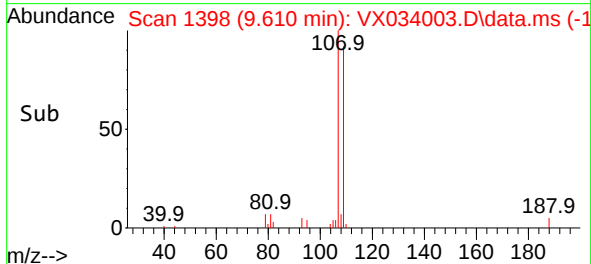
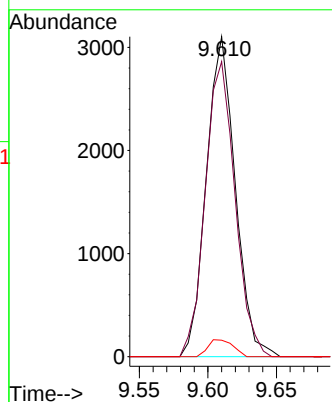
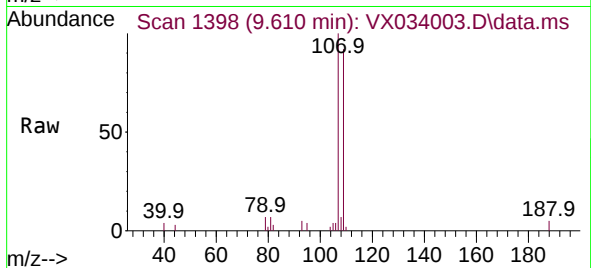
Tgt Ion:107 Resp: 4568

Ion Ratio Lower Upper

107 100

109 92.2 64.9 120.5

188 5.2 3.3 4.9#



#51

Chlorobenzene

Concen: 2.884 ug/L

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX034003.D

Acq: 03 Feb 2023 10:42

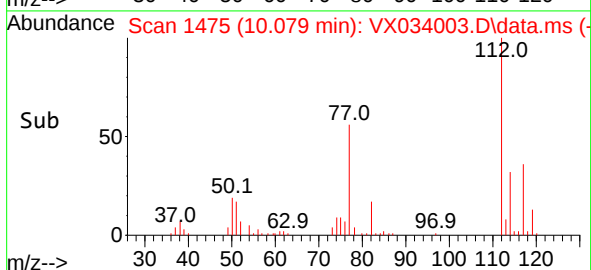
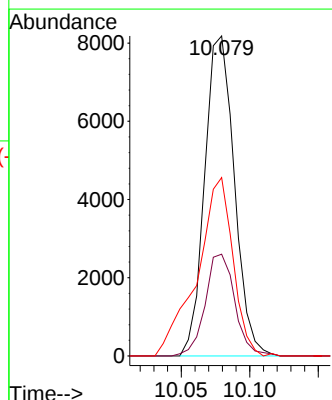
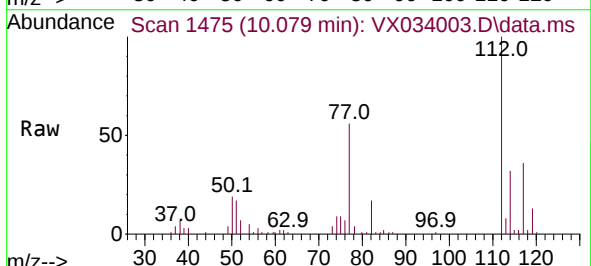
Tgt Ion:112 Resp: 12332

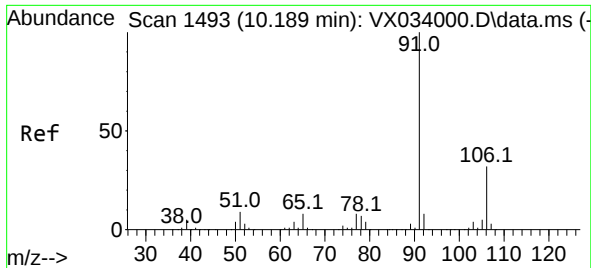
Ion Ratio Lower Upper

112 100

114 31.8 22.7 42.3

77 55.8 43.4 65.0

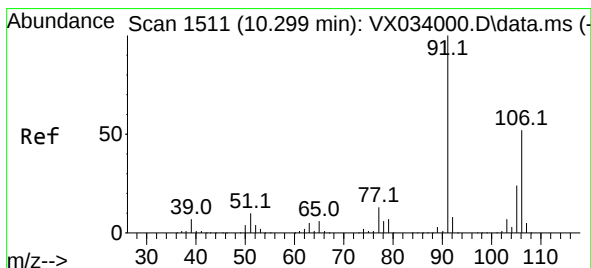
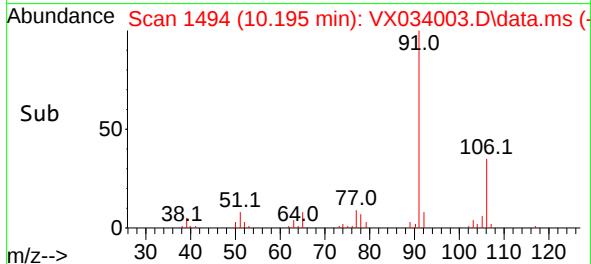
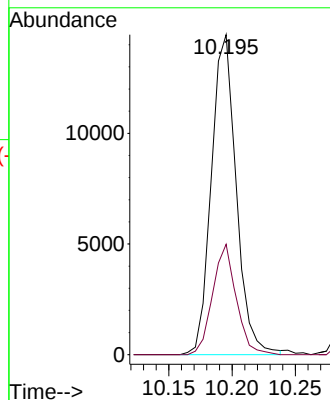
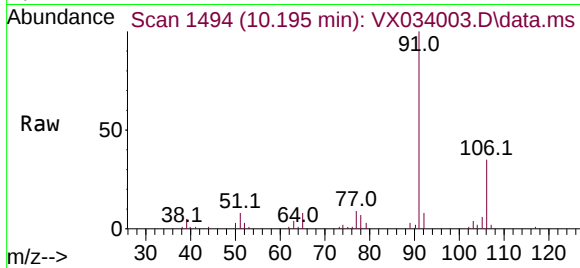




#52
Ethylbenzene
Concen: 2.841 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX034003.D
Acq: 03 Feb 2023 10:42

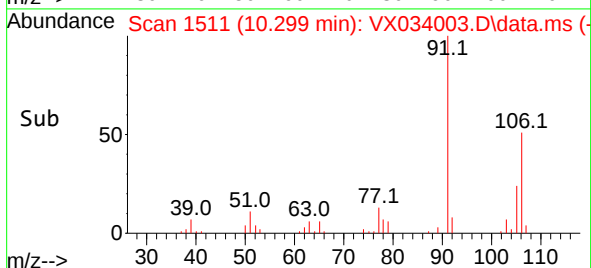
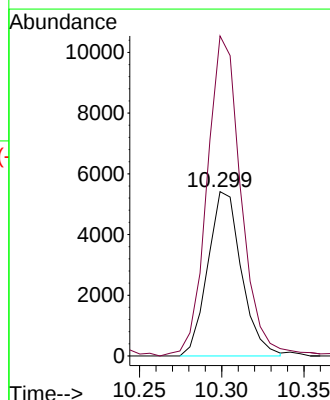
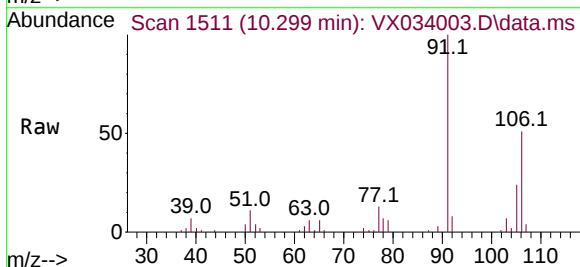
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2023-01

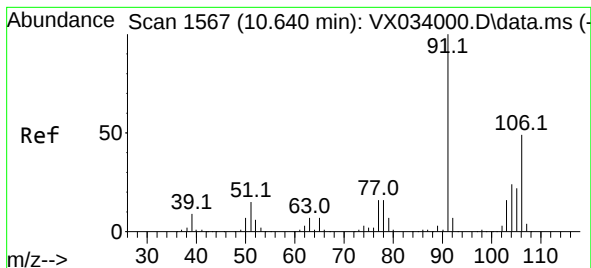
Tgt Ion: 91 Resp: 19760
Ion Ratio Lower Upper
91 100
106 34.5 23.2 43.0



#53
m,p-Xylene
Concen: 2.761 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX034003.D
Acq: 03 Feb 2023 10:42

Tgt Ion: 106 Resp: 7708
Ion Ratio Lower Upper
106 100
91 194.8 135.2 251.0





#54

o-Xylene

Concen: 2.746 ug/L

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX034003.D

Acq: 03 Feb 2023 10:42

Instrument :

MSVOA_X

ClientSampleId :

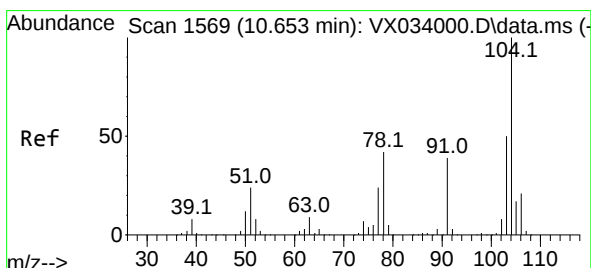
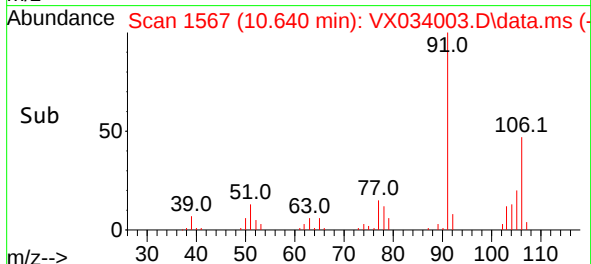
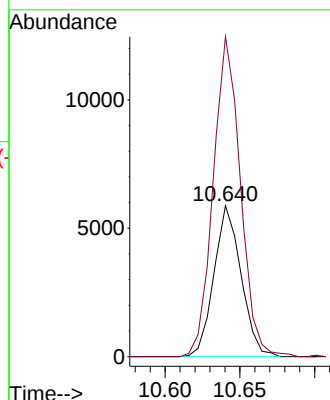
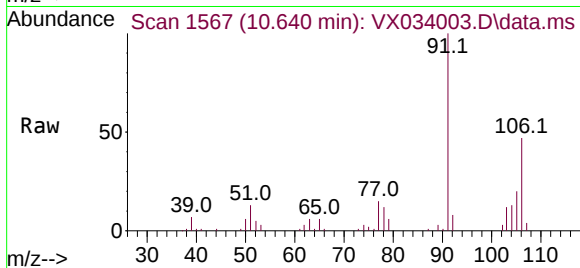
MDL-WATER-QT1-2023-01

Tgt Ion:106 Resp: 7407

Ion Ratio Lower Upper

106 100

91 211.8 140.2 260.4



#55

Styrene

Concen: 2.670 ug/L

RT: 10.659 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX034003.D

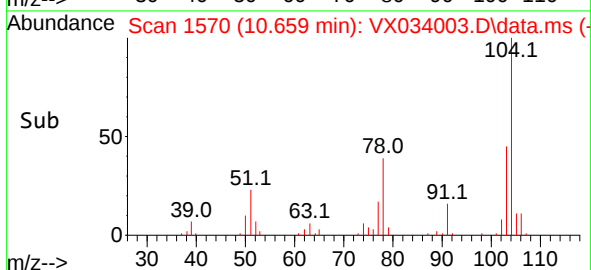
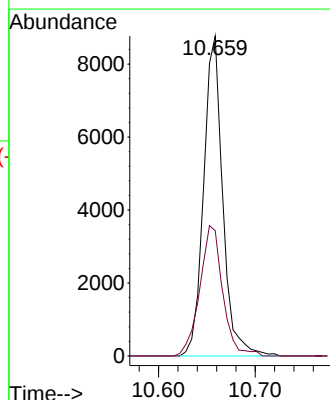
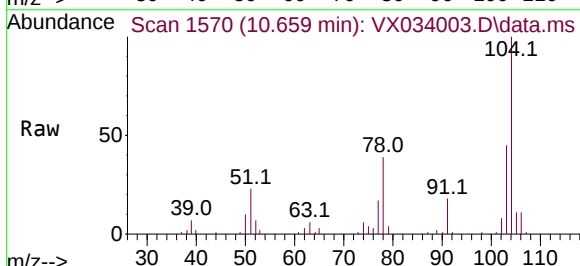
Acq: 03 Feb 2023 10:42

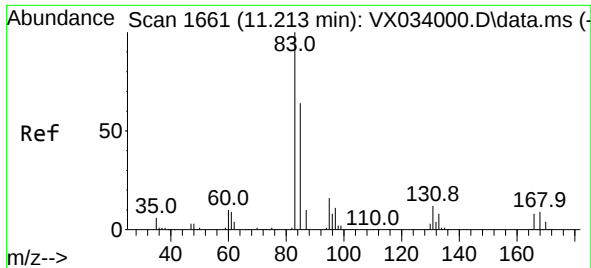
Tgt Ion:104 Resp: 12079

Ion Ratio Lower Upper

104 100

78 39.1 30.0 55.8





#57

1,1,2-Tetrachloroethane

Concen: 3.075 ug/L

RT: 11.213 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX034003.D

Acq: 03 Feb 2023 10:42

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2023-01

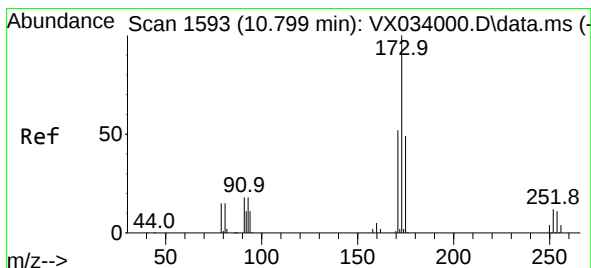
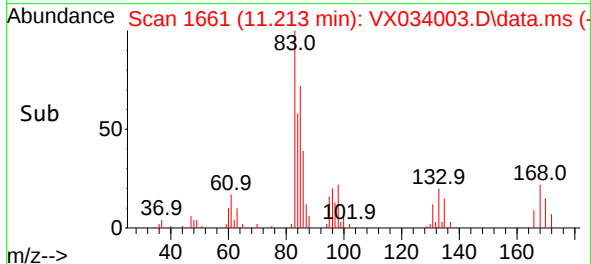
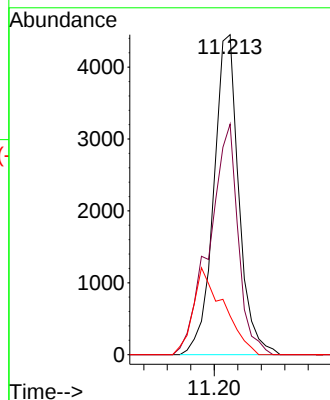
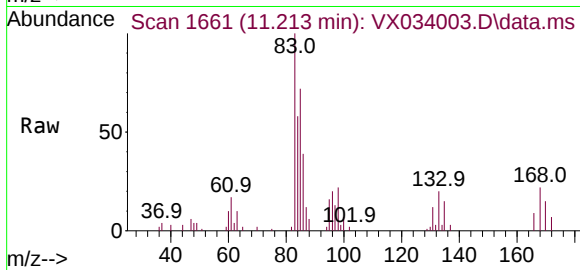
Tgt Ion: 83 Resp: 6593

Ion Ratio Lower Upper

83 100

85 72.0 45.8 85.0

131 12.1 9.1 13.7



#59

Bromoform

Concen: 2.529 ug/L

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX034003.D

Acq: 03 Feb 2023 10:42

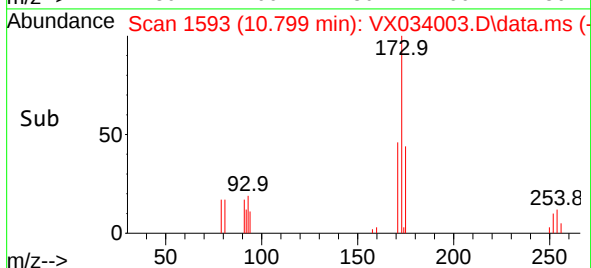
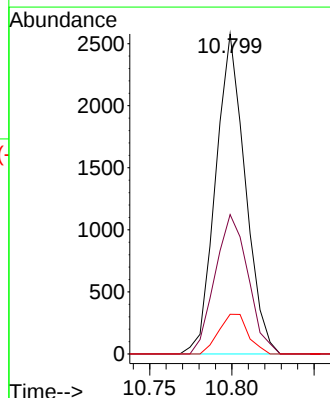
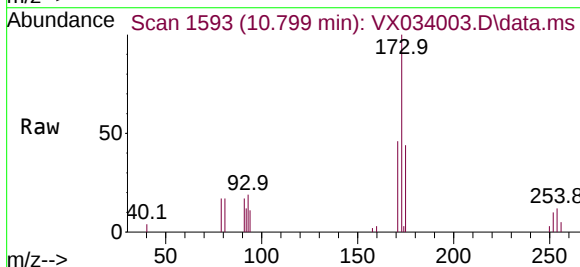
Tgt Ion: 173 Resp: 3225

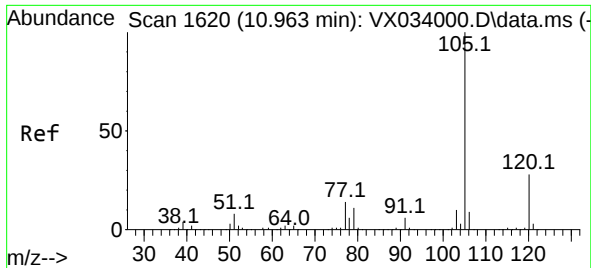
Ion Ratio Lower Upper

173 100

175 48.6 38.3 57.5

254 12.4 9.1 13.7

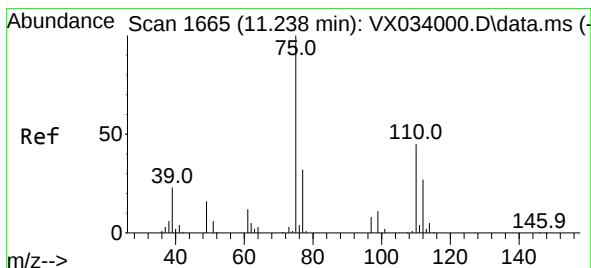
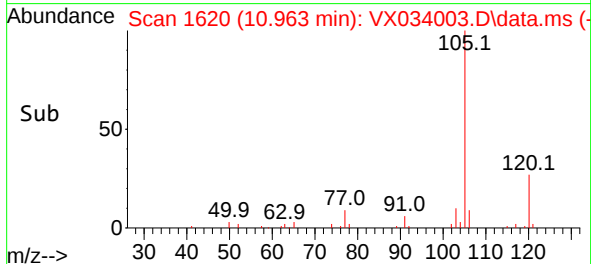
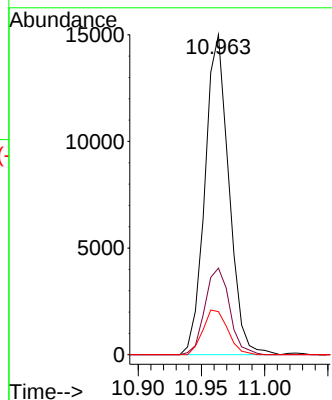
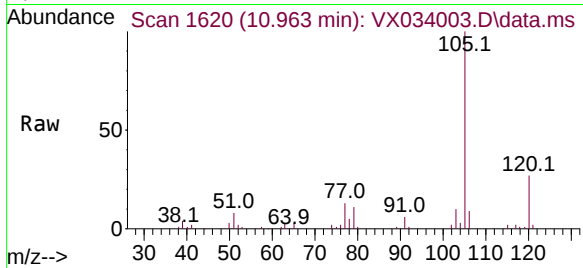




#60
Isopropylbenzene
Concen: 2.889 ug/L
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX034003.D
Acq: 03 Feb 2023 10:42

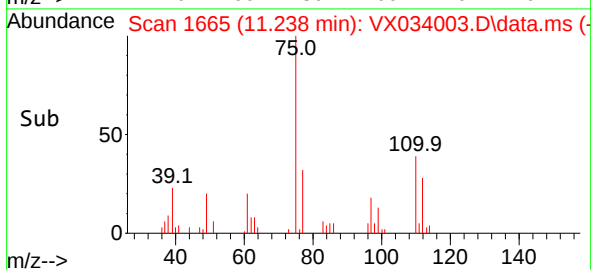
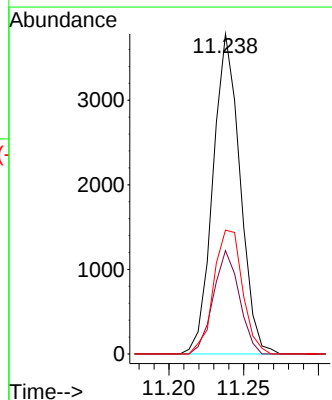
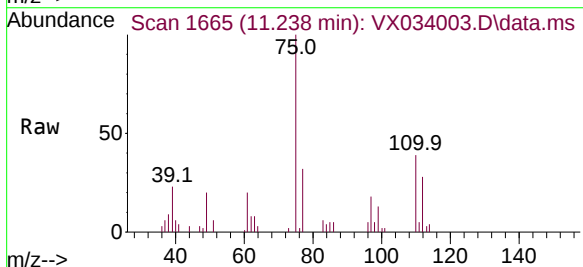
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2023-01

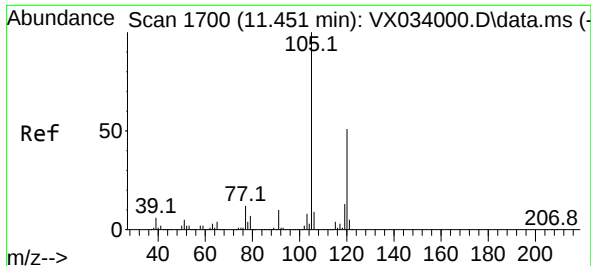
Tgt Ion:	105	Resp:	19781
Ion	Ratio	Lower	Upper
105	100		
120	27.8	21.8	32.6
77	14.4	11.3	16.9



#61
1,2,3-Trichloropropane
Concen: 2.999 ug/L
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX034003.D
Acq: 03 Feb 2023 10:42

Tgt Ion:	75	Resp:	4771
Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.1	39.1
110	41.0	34.2	51.4

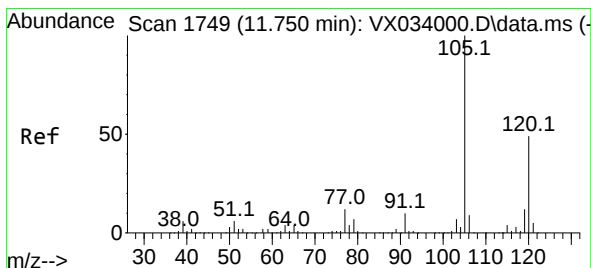
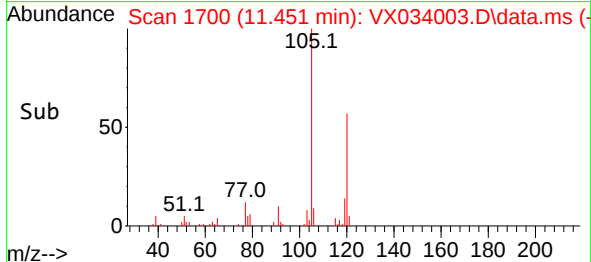
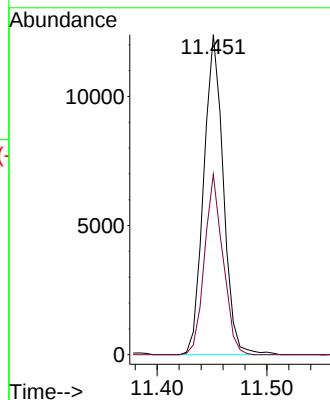
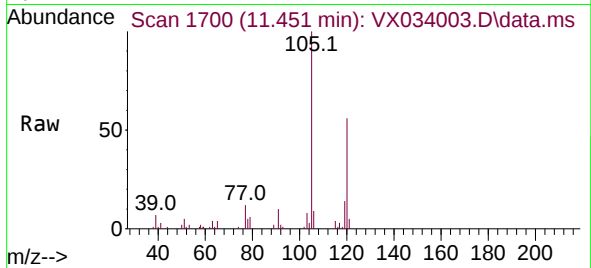




#62
1,3,5-Trimethylbenzene
Concen: 2.747 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX034003.D
Acq: 03 Feb 2023 10:42

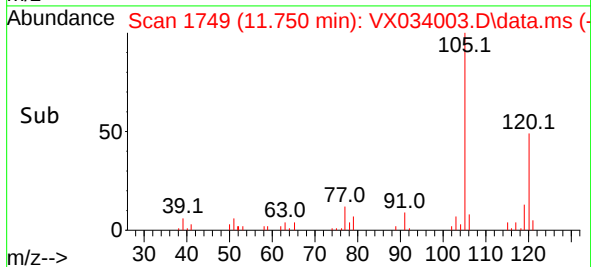
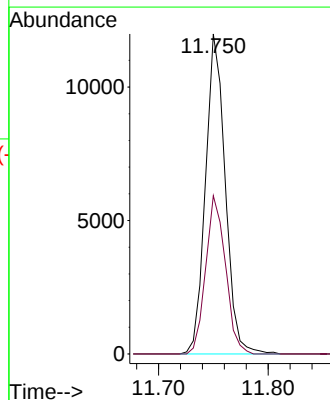
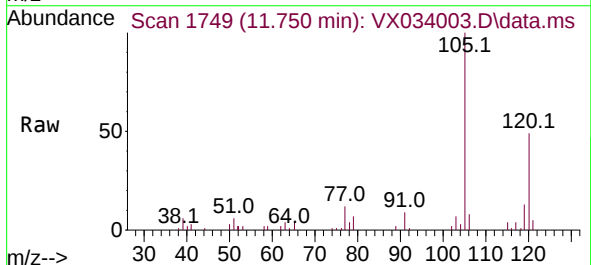
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2023-01

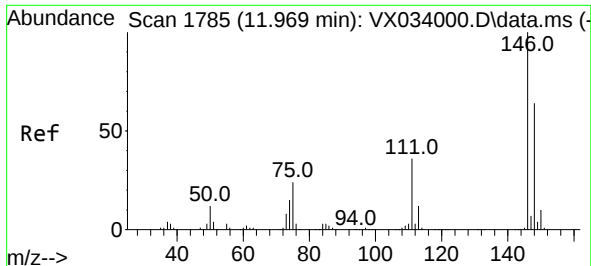
Tgt Ion:105 Resp: 15393
Ion Ratio Lower Upper
105 100
120 53.1 41.3 61.9



#63
1,2,4-Trimethylbenzene
Concen: 2.710 ug/L
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX034003.D
Acq: 03 Feb 2023 10:42

Tgt Ion:105 Resp: 14967
Ion Ratio Lower Upper
105 100
120 49.5 38.5 57.7

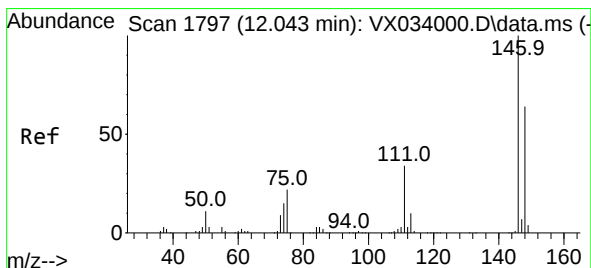
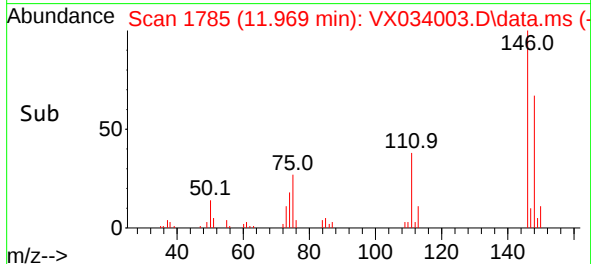
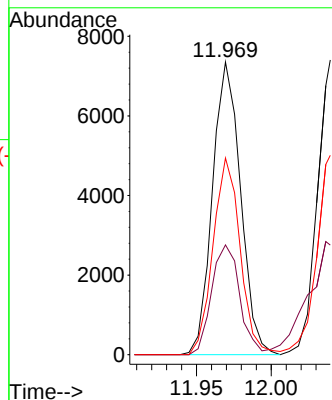
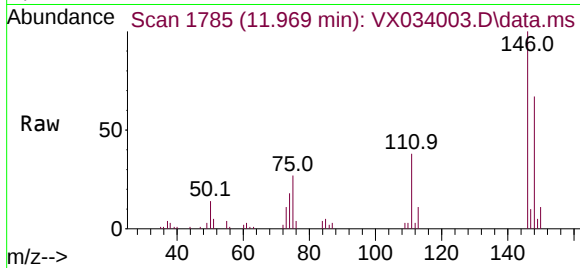




#64
1,3-Dichlorobenzene
Concen: 2.818 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX034003.D
Acq: 03 Feb 2023 10:42

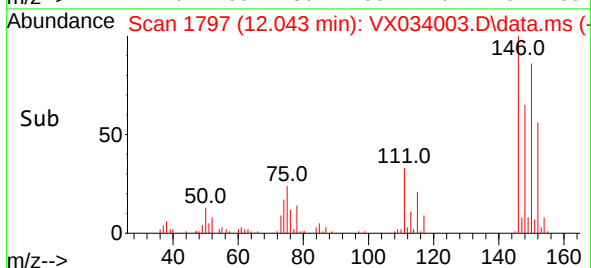
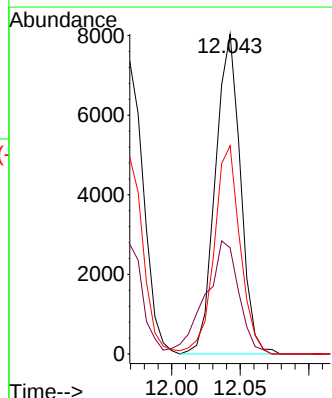
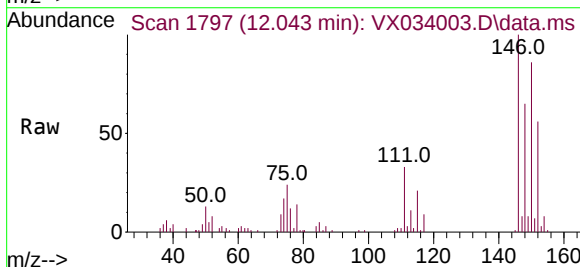
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2023-01

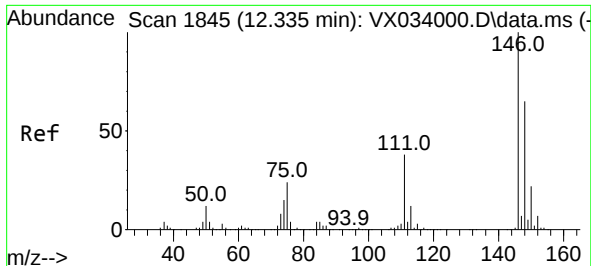
Tgt Ion:146 Resp: 9592
Ion Ratio Lower Upper
146 100
111 37.5 25.5 47.3
148 67.2 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 2.972 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX034003.D
Acq: 03 Feb 2023 10:42

Tgt Ion:146 Resp: 10239
Ion Ratio Lower Upper
146 100
111 33.2 23.7 44.1
148 65.1 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 2.943 ug/L

RT: 12.335 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX034003.D

Acq: 03 Feb 2023 10:42

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2023-01

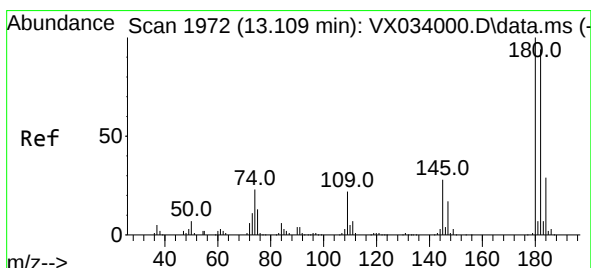
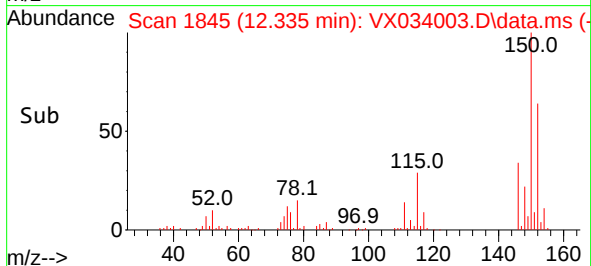
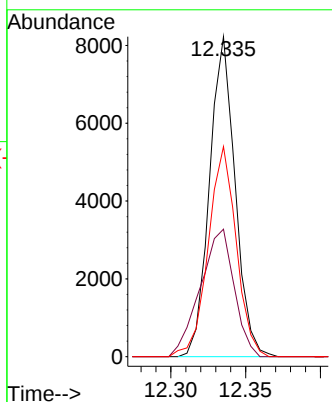
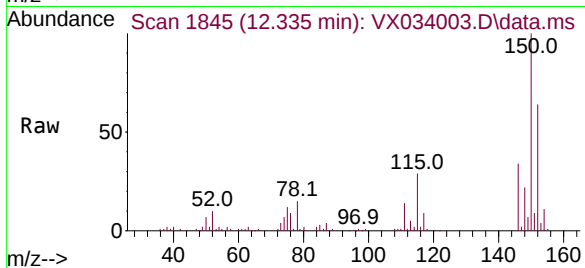
Tgt Ion:146 Resp: 9798

Ion Ratio Lower Upper

146 100

111 39.9 30.4 45.6

148 65.6 51.4 77.2



#69

1,3,5-Trichlorobenzene

Concen: 2.728 ug/L

RT: 13.116 min Scan# 1973

Delta R.T. 0.006 min

Lab File: VX034003.D

Acq: 03 Feb 2023 10:42

Tgt Ion:180 Resp: 7003

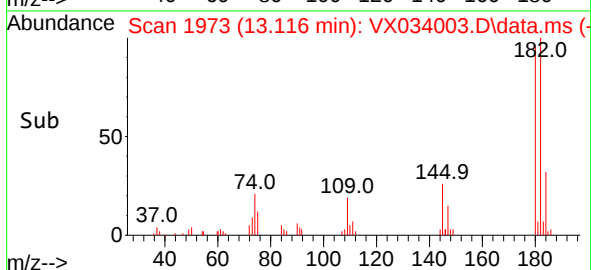
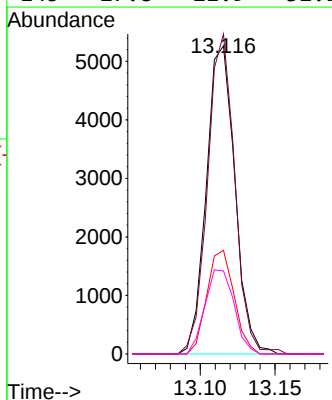
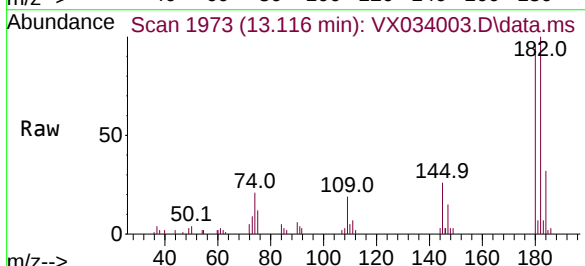
Ion Ratio Lower Upper

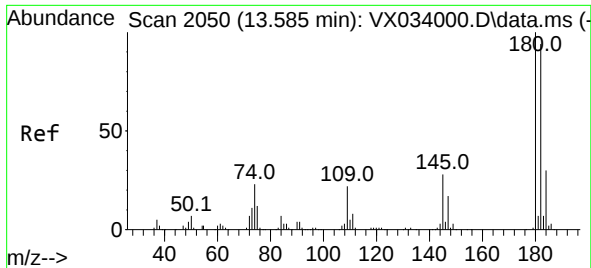
180 100

182 98.1 77.3 115.9

184 32.1 24.5 36.7

145 27.8 21.9 32.9

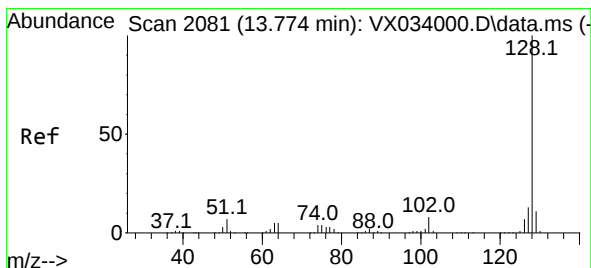
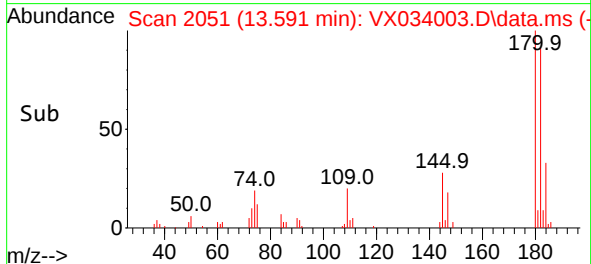
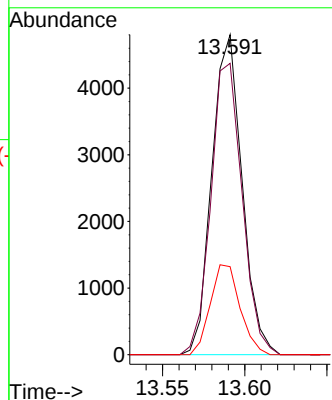
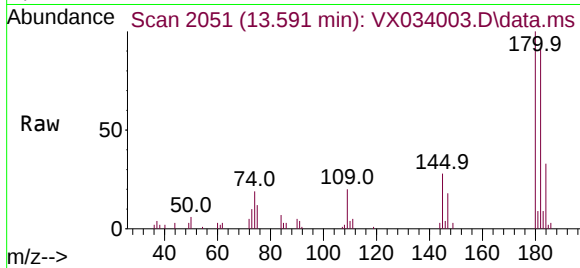




#70
1,2,4-trichlorobenzene
Concen: 2.632 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX034003.D
Acq: 03 Feb 2023 10:42

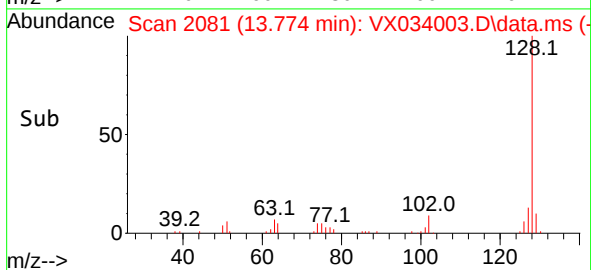
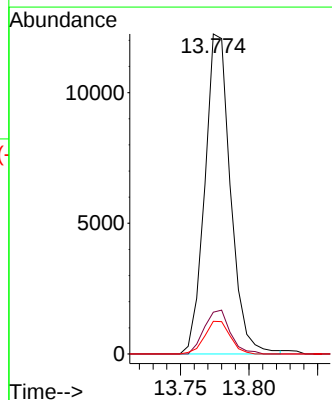
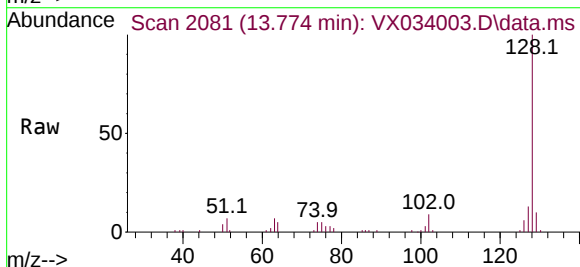
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2023-01

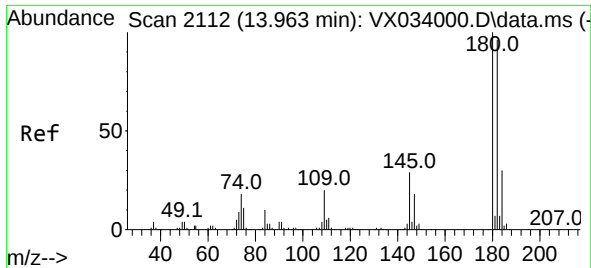
Tgt Ion:180 Resp: 6135
Ion Ratio Lower Upper
180 100
182 94.3 76.5 114.7
145 27.8 22.3 33.5



#71
Naphthalene
Concen: 2.479 ug/L
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX034003.D
Acq: 03 Feb 2023 10:42

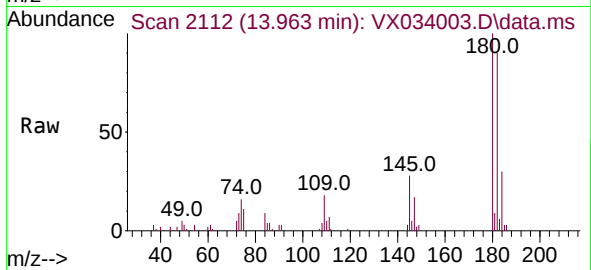
Tgt Ion:128 Resp: 15994
Ion Ratio Lower Upper
128 100
127 13.8 10.2 15.2
129 10.1 8.7 13.1





#72
 1,2,3-Trichlorobenzene
 Concen: 2.767 ug/L
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX034003.D
 Acq: 03 Feb 2023 10:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT1-2023-01



Tgt Ion:	180	Resp:	6367
Ion	Ratio	Lower	Upper
180	100		
182	91.2	77.1	115.7
145	28.4	23.5	35.3

