

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041023\
 Data File : VX034994.D
 Acq On : 10 Apr 2023 14:47
 Operator : JC/MD
 Sample : 02215-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT2-2023-03

Quant Time: Apr 11 05:50:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 11 05:31:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	541085	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	471090	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	228072	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	159014	44.122	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.240%
7) Chloroethane-d5	1.672	69	121546	46.046	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.100%
11) 1,1-Dichloroethene-d2	2.307	63	249958	34.215	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.440%
21) 2-Butanone-d5	4.459	46	226955	94.750	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.750%
24) Chloroform-d	5.050	84	298859	43.515	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.040%
26) 1,2-Dichloroethane-d4	5.952	65	209085	44.349	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.700%
32) Benzene-d6	5.971	84	605641	46.054	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.100%
36) 1,2-Dichloropropane-d6	7.306	67	185113	45.758	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.520%
41) Toluene-d8	8.647	98	546893	45.403	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.800%
43) trans-1,3-Dichloroprop...	8.946	79	78624	42.321	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.640%
47) 2-Hexanone-d5	9.385	63	154042	95.268	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.270%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	227051	45.162	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.320%
66) 1,2-Dichlorobenzene-d4	12.317	152	193934	46.340	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	12875	2.740	ug/L	94
3) Chloromethane	1.295	50	12433	2.815	ug/L	96
5) Vinyl chloride	1.374	62	12461	2.784	ug/L	83
6) Bromomethane	1.618	94	7146	2.825	ug/L	91
8) Chloroethane	1.691	64	7146	2.837	ug/L	92
9) Trichlorofluoromethane	1.886	101	17196	2.761	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	12781	3.307	ug/L	90
12) 1,1-Dichloroethene	2.319	96	11512	3.347	ug/L #	1
13) Acetone	2.392	43	14509	6.126	ug/L	98
14) Carbon disulfide	2.508	76	23002	2.487	ug/L	100
15) Methyl Acetate	2.709	43	10998	2.706	ug/L	96
16) Methylene chloride	2.788	84	11390	3.018	ug/L	90
17) trans-1,2-Dichloroethene	3.093	96	9308	2.631	ug/L	97
18) Methyl tert-butyl Ether	3.111	73	33705	2.726	ug/L	98
19) 1,1-Dichloroethane	3.611	63	18621	2.643	ug/L	97
20) cis-1,2-Dichloroethene	4.489	96	10824	2.675	ug/L	92
22) 2-Butanone	4.574	43	15534	5.135	ug/L	94
23) Bromochloromethane	4.891	128	5584	2.789	ug/L	91
25) Chloroform	5.087	83	24349	3.370	ug/L	98

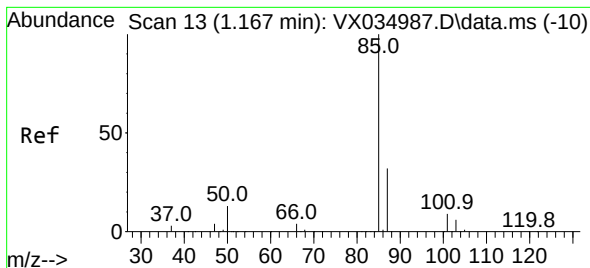
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041023\
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 Quant Title : VOC Analysis
 QLast Update : Tue Apr 11 05:31:31 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.964	62	4075	0.666	ug/L	96
29) Cyclohexane	5.464	56	17272	2.666	ug/L #	94
30) 1,1,1-Trichloroethane	5.379	97	16033	2.574	ug/L	98
31) Carbon tetrachloride	5.666	117	13326	2.482	ug/L	100
33) Benzene	6.038	78	40240	2.678	ug/L	100
34) Trichloroethene	7.123	95	11470	2.832	ug/L	87
35) Methylcyclohexane	7.379	83	16551	2.834	ug/L	98
37) 1,2-Dichloropropane	7.428	63	10416	2.616	ug/L #	97
38) Bromodichloromethane	7.818	83	12143	2.411	ug/L	96
39) cis-1,3-Dichloropropene	8.366	75	15009	2.467	ug/L	94
40) 4-Methyl-2-pentanone	8.574	43	27691	5.235	ug/L	99
42) Toluene	8.714	91	43047	2.767	ug/L	95
44) trans-1,3-Dichloropropene	8.976	75	14496	2.588	ug/L	96
45) 1,1,2-Trichloroethane	9.153	97	10274	2.768	ug/L	95
46) Tetrachloroethene	9.269	164	8254	2.735	ug/L	93
48) 2-Hexanone	9.433	43	21639	5.219	ug/L	94
49) Dibromochloromethane	9.519	129	8859	2.426	ug/L	91
50) 1,2-Dibromoethane	9.610	107	9924	2.547	ug/L	84
51) Chlorobenzene	10.080	112	27338	2.726	ug/L	96
52) Ethylbenzene	10.195	91	48180	2.729	ug/L	100
53) m,p-Xylene	10.299	106	17634	2.650	ug/L	98
54) o-Xylene	10.640	106	17045	2.600	ug/L	87
55) Styrene	10.653	104	28132	2.560	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	15866	2.878	ug/L #	97
59) Bromoform	10.799	173	5054	2.078	ug/L	95
60) Isopropylbenzene	10.964	105	45504	2.732	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	12187	2.787	ug/L	96
62) 1,3,5-Trimethylbenzene	11.451	105	36632	2.653	ug/L	98
63) 1,2,4-Trimethylbenzene	11.750	105	35458	2.600	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	20159	2.717	ug/L	96
65) 1,4-Dichlorobenzene	12.043	146	20857	2.780	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	20956	2.867	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.945	75	2459	2.197	ug/L #	80
69) 1,3,5-Trichlorobenzene	13.109	180	12541	2.702	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	11007	2.550	ug/L	94
71) Naphthalene	13.774	128	36067	2.445	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	11035	2.546	ug/L	98

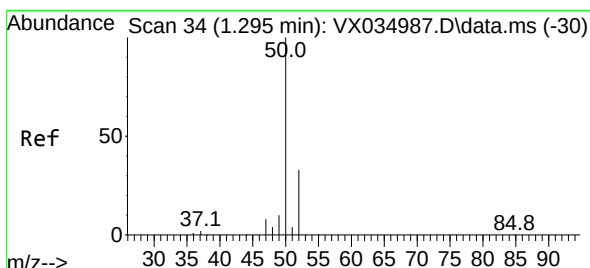
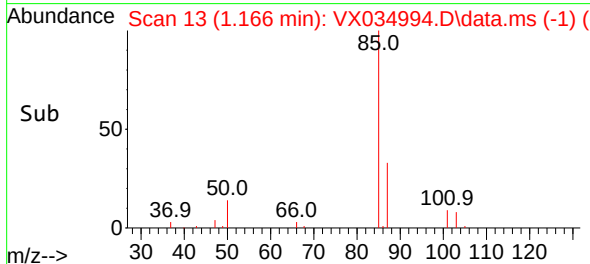
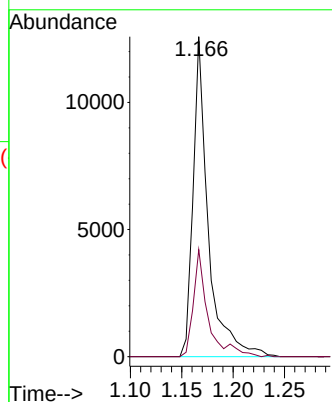
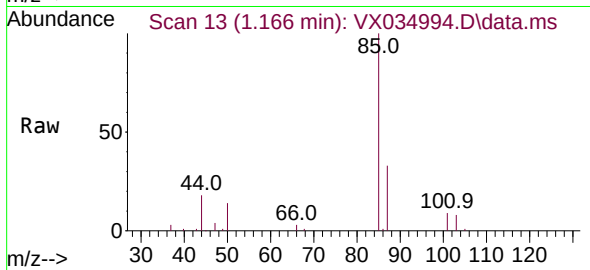
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#2
Dichlorodifluoromethane
Concen: 2.740 ug/L
RT: 1.166 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034994.D
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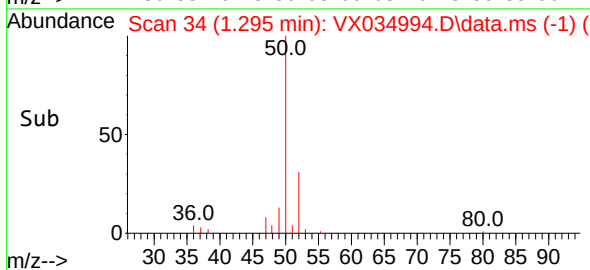
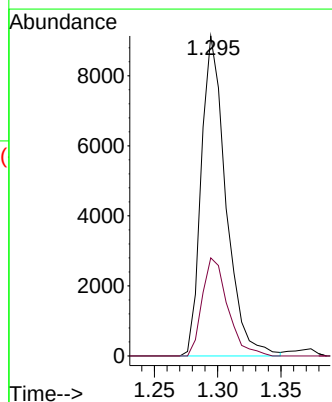
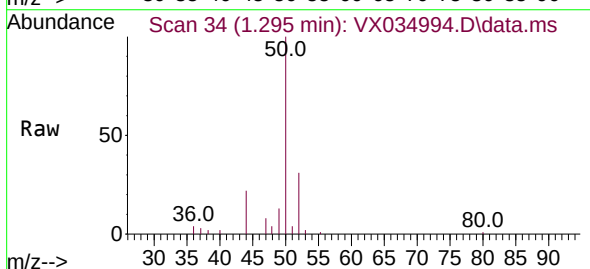
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT2-2023-03

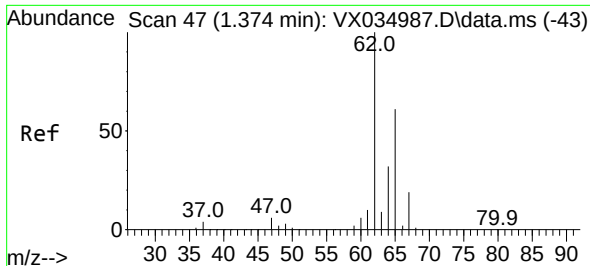
Tgt Ion: 85 Resp: 12875
Ion Ratio Lower Upper
85 100
87 28.9 25.7 38.5



#3
Chloromethane
Concen: 2.815 ug/L
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX034994.D
Acq: 10 Apr 2023 14:47

Tgt Ion: 50 Resp: 12433
Ion Ratio Lower Upper
50 100
52 30.7 22.9 42.5

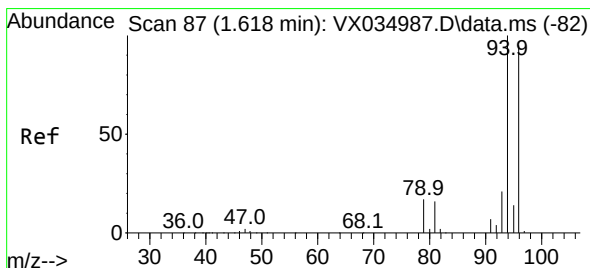
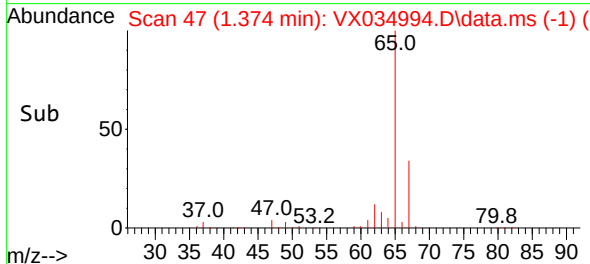
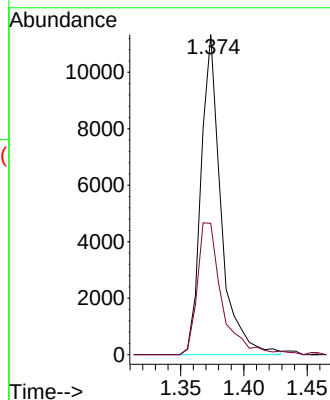
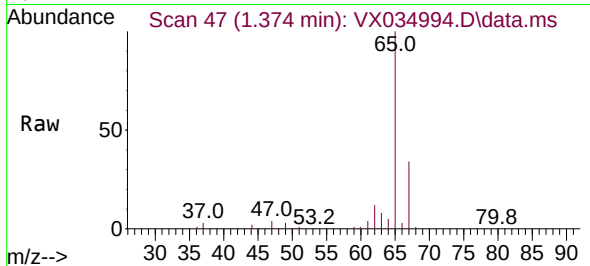




#5
 Vinyl chloride
 Concen: 2.784 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX034994.D
 Acq: 10 Apr 2023 14:47

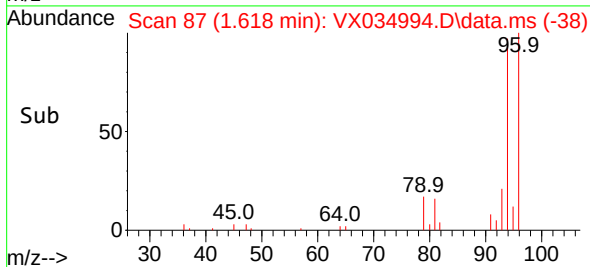
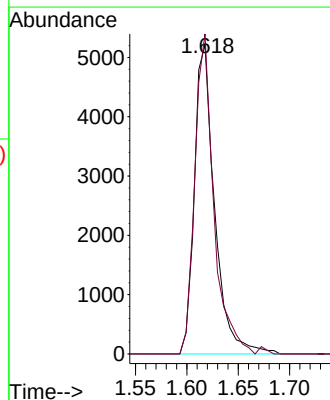
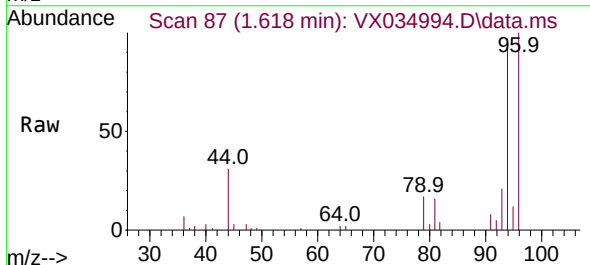
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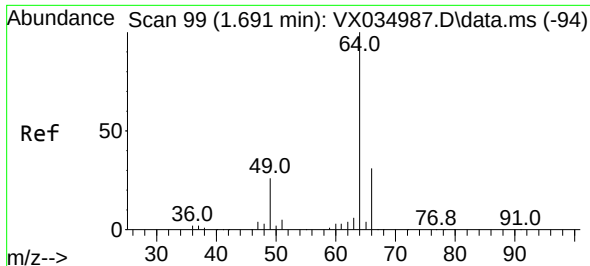
Tgt Ion: 62 Resp: 12461
 Ion Ratio Lower Upper
 62 100
 64 41.0 22.3 41.3



#6
 Bromomethane
 Concen: 2.825 ug/L
 RT: 1.618 min Scan# 87
 Delta R.T. -0.000 min
 Lab File: VX034994.D
 Acq: 10 Apr 2023 14:47

Tgt Ion: 94 Resp: 7146
 Ion Ratio Lower Upper
 94 100
 96 103.4 66.6 123.6





#8

Chloroethane

Concen: 2.837 ug/L

RT: 1.691 min Scan# 99

Delta R.T. -0.000 min

Lab File: VX034994.D

Acq: 10 Apr 2023 14:47

Instrument :

MSVOA_X

ClientSampleId :

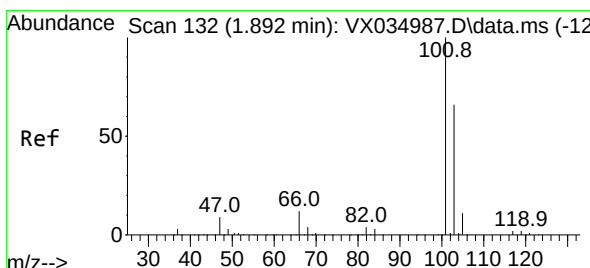
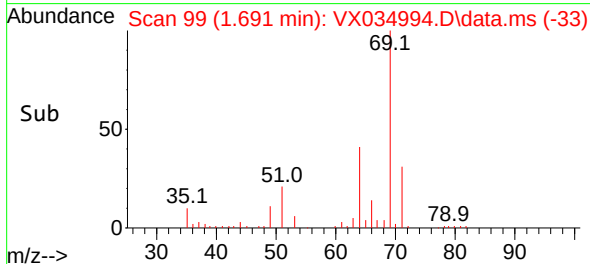
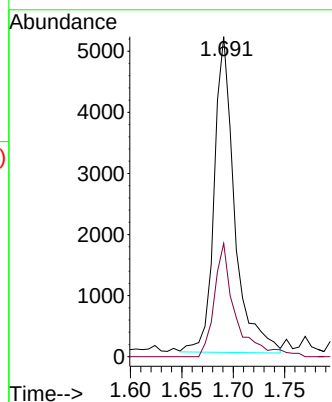
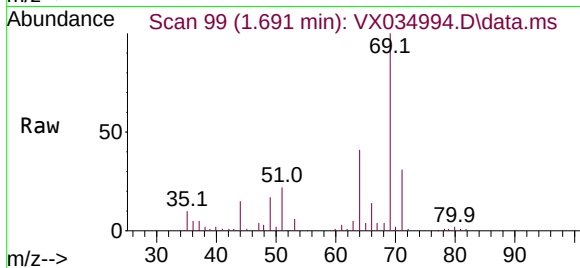
MDL-WATER-QT2-2023-03

Tgt Ion: 64 Resp: 7146

Ion Ratio Lower Upper

64 100

66 35.4 21.8 40.4



#9

Trichlorofluoromethane

Concen: 2.761 ug/L

RT: 1.886 min Scan# 131

Delta R.T. -0.006 min

Lab File: VX034994.D

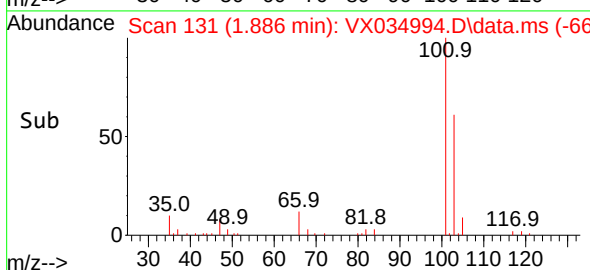
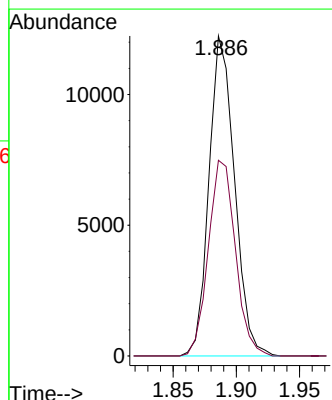
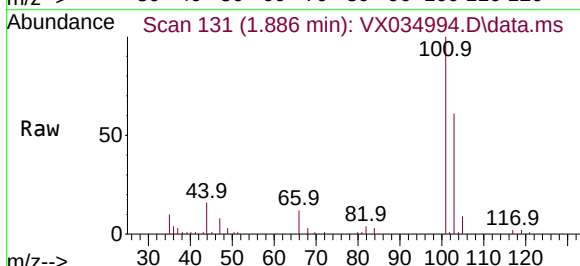
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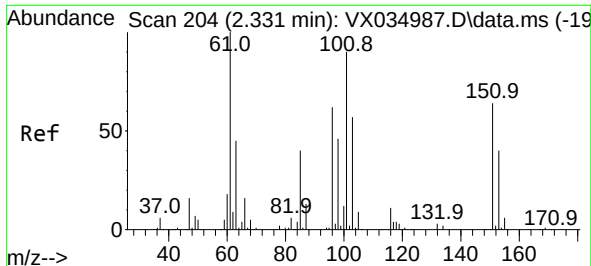
Tgt Ion: 101 Resp: 17196

Ion Ratio Lower Upper

101 100

103 64.8 51.9 77.9

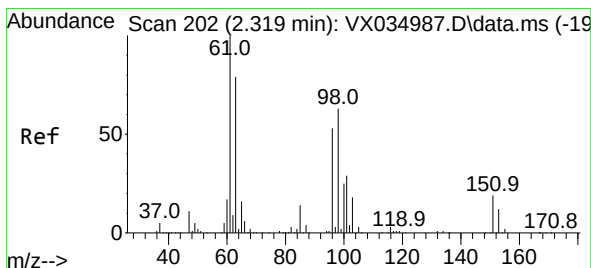
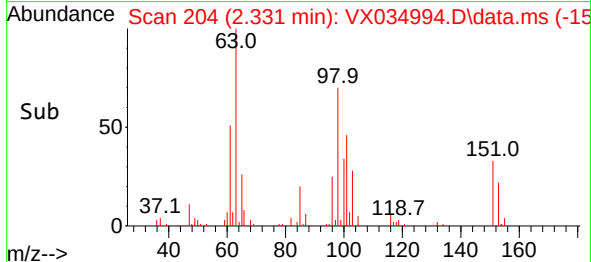
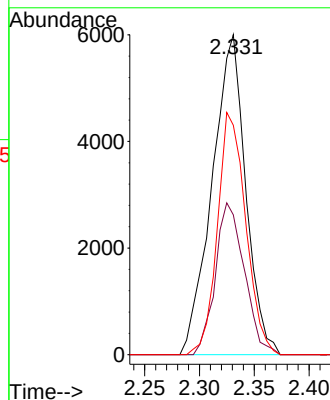
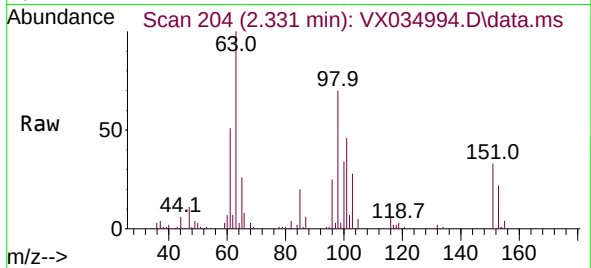




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.307 ug/L
 RT: 2.331 min Scan# 204
 Delta R.T. -0.000 min
 Lab File: VX034994.D
 Acq: 10 Apr 2023 14:47

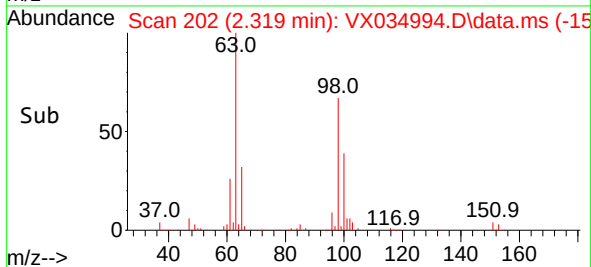
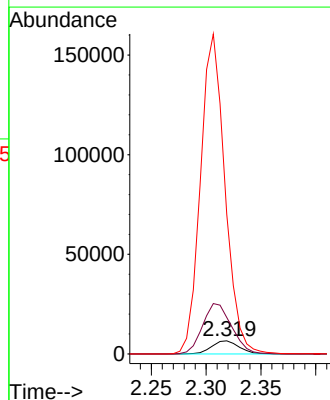
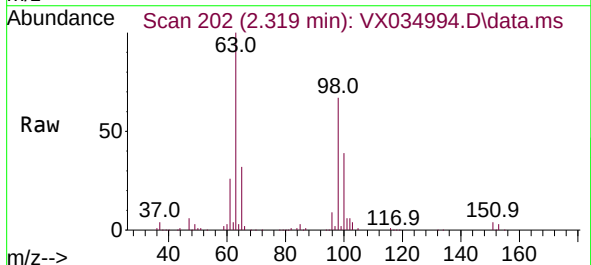
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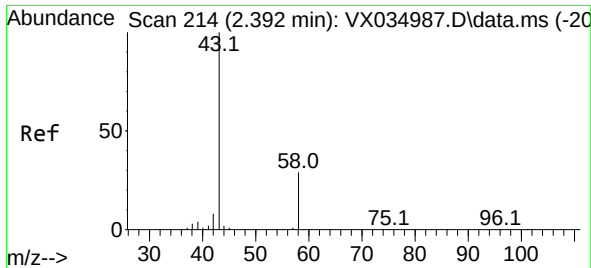
Tgt Ion:101 Resp: 12781
 Ion Ratio Lower Upper
 101 100
 85 41.0 36.4 54.6
 151 63.9 59.7 89.5



#12
 1,1-Dichloroethene
 Concen: 3.347 ug/L
 RT: 2.319 min Scan# 202
 Delta R.T. -0.000 min
 Lab File: VX034994.D
 Acq: 10 Apr 2023 14:47

Tgt Ion: 96 Resp: 11512
 Ion Ratio Lower Upper
 96 100
 61 276.4 132.4 245.8#
 63 1059.3 105.5 195.9#





#13

Acetone

Concen: 6.126 ug/L

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX034994.D

Acq: 10 Apr 2023 14:47

Instrument :

MSVOA_X

ClientSampleId :

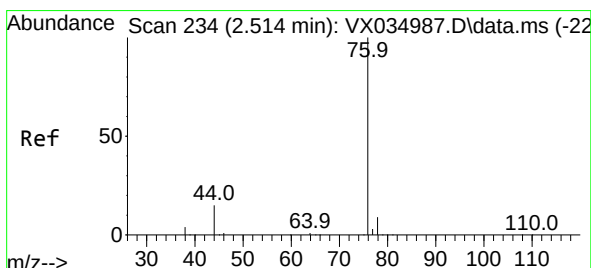
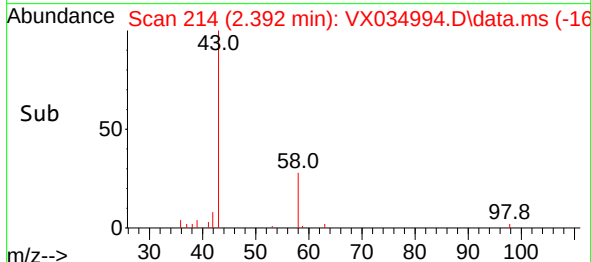
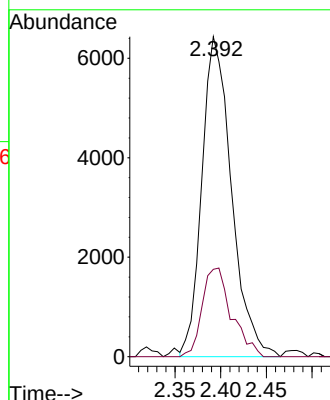
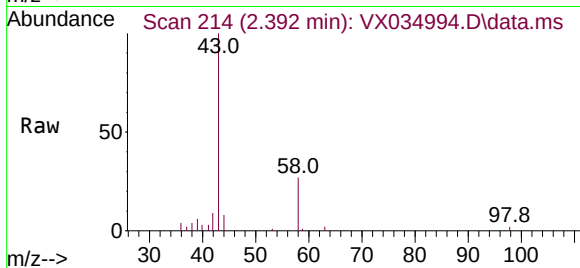
MDL-WATER-QT2-2023-03

Tgt Ion: 43 Resp: 14509

Ion Ratio Lower Upper

43 100

58 27.5 0.0 57.4



#14

Carbon disulfide

Concen: 2.487 ug/L

RT: 2.508 min Scan# 233

Delta R.T. -0.006 min

Lab File: VX034994.D

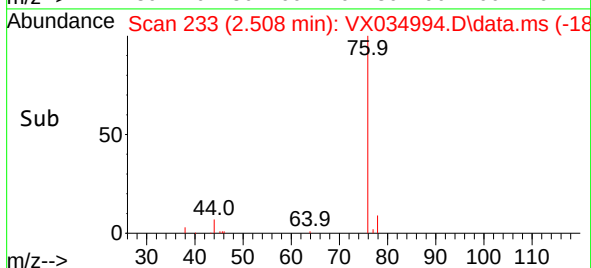
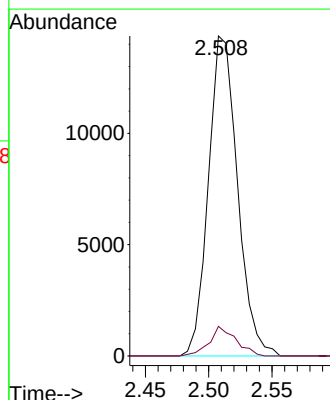
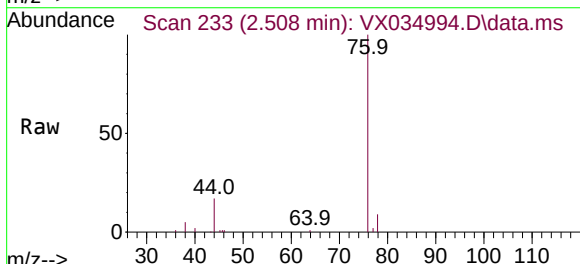
Acq: 10 Apr 2023 14:47

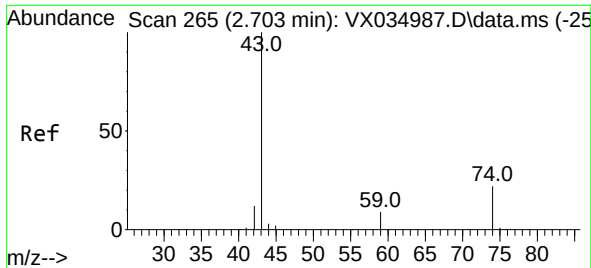
Tgt Ion: 76 Resp: 23002

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2





#15

Methyl Acetate

Concen: 2.706 ug/L

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX034994.D

Acq: 10 Apr 2023 14:47

Instrument :

MSVOA_X

ClientSampleId :

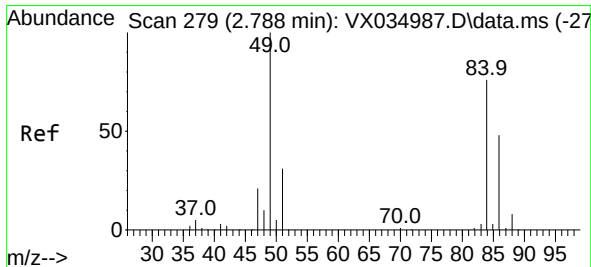
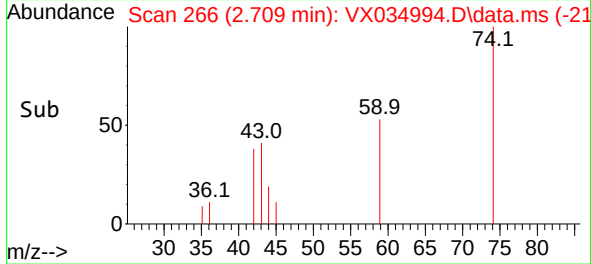
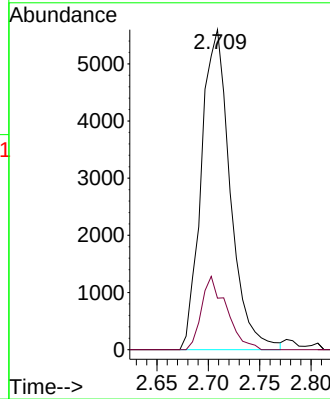
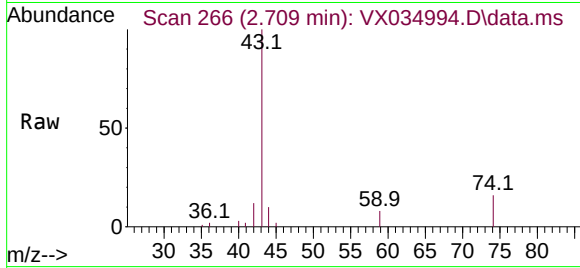
MDL-WATER-QT2-2023-03

Tgt Ion: 43 Resp: 10998

Ion Ratio Lower Upper

43 100

74 19.8 17.5 26.3



#16

Methylene chloride

Concen: 3.018 ug/L

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX034994.D

Acq: 10 Apr 2023 14:47

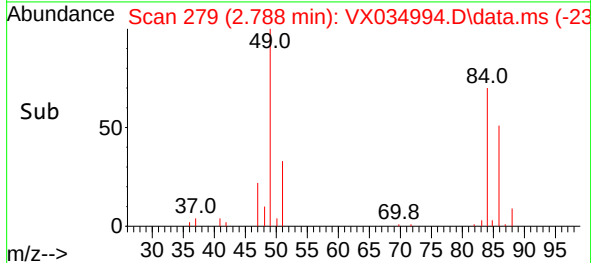
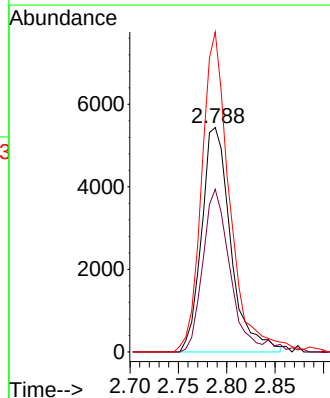
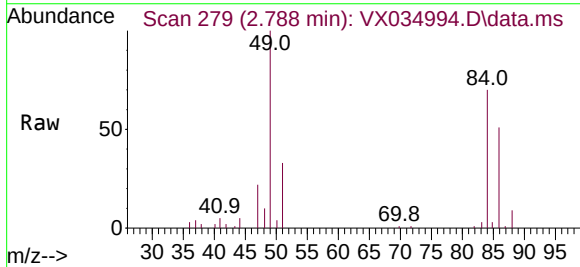
Tgt Ion: 84 Resp: 11390

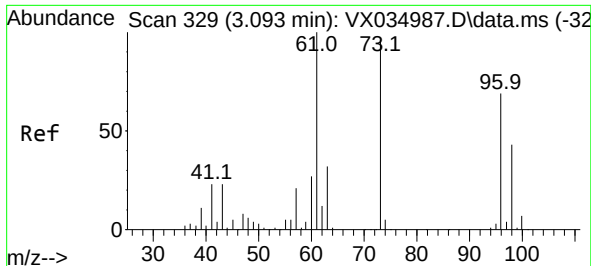
Ion Ratio Lower Upper

84 100

86 72.5 44.7 82.9

49 142.5 92.3 171.5





#17

trans-1,2-Dichloroethene

Concen: 2.631 ug/L

RT: 3.093 min Scan# 329

Delta R.T. -0.000 min

Lab File: VX034994.D

Acq: 10 Apr 2023 14:47

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2023-03

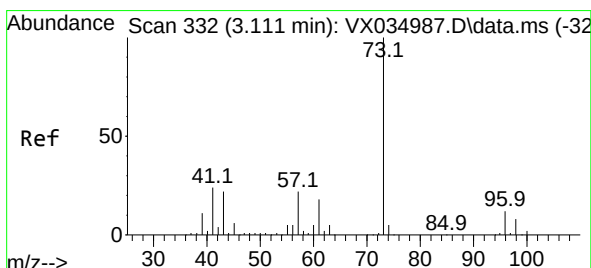
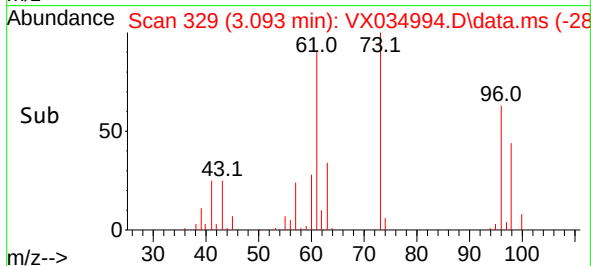
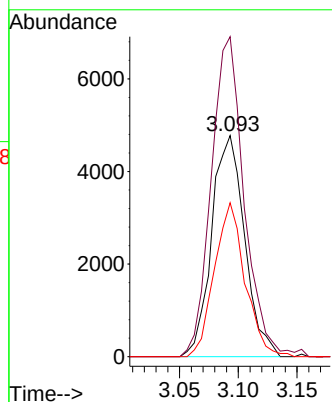
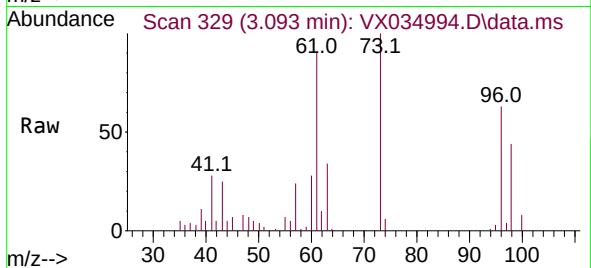
Tgt Ion: 96 Resp: 9308

Ion Ratio Lower Upper

96 100

61 144.8 102.0 189.4

98 69.7 44.2 82.0



#18

Methyl tert-butyl Ether

Concen: 2.726 ug/L

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX034994.D

Acq: 10 Apr 2023 14:47

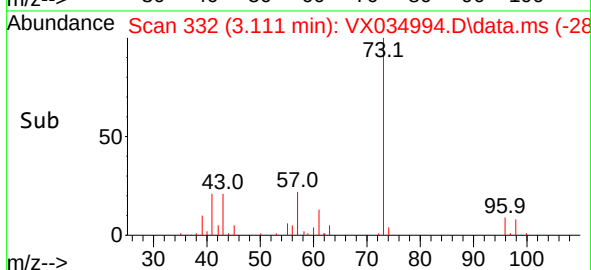
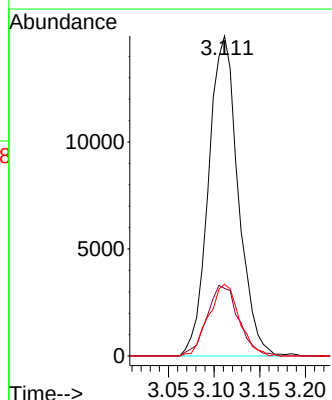
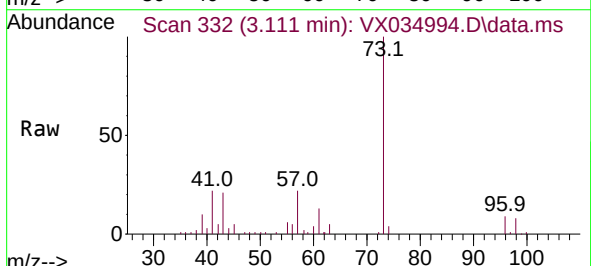
Tgt Ion: 73 Resp: 33705

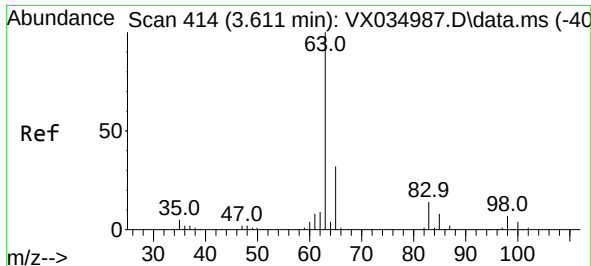
Ion Ratio Lower Upper

73 100

43 23.6 18.2 27.2

57 23.2 17.7 26.5





#19

1,1-Dichloroethane

Concen: 2.643 ug/L

RT: 3.611 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX034994.D

Acq: 10 Apr 2023 14:47

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2023-03

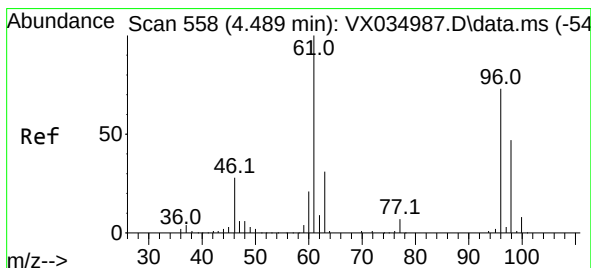
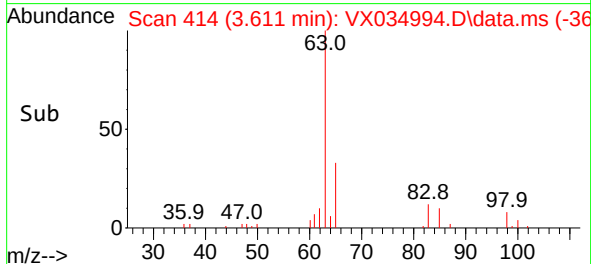
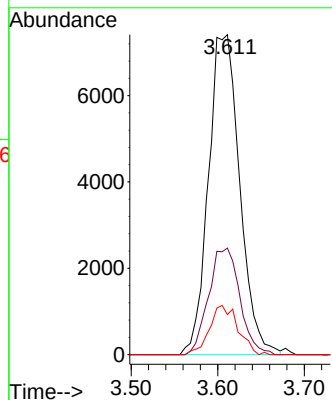
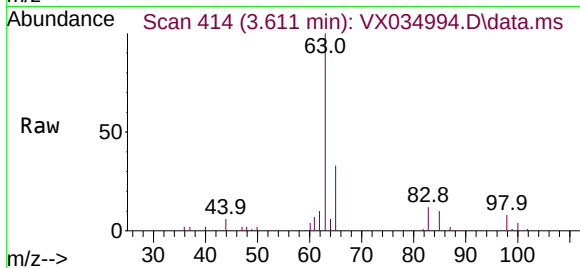
Tgt Ion: 63 Resp: 18621

Ion Ratio Lower Upper

63 100

65 33.3 22.1 41.1

83 12.5 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 2.675 ug/L

RT: 4.489 min Scan# 558

Delta R.T. -0.000 min

Lab File: VX034994.D

Acq: 10 Apr 2023 14:47

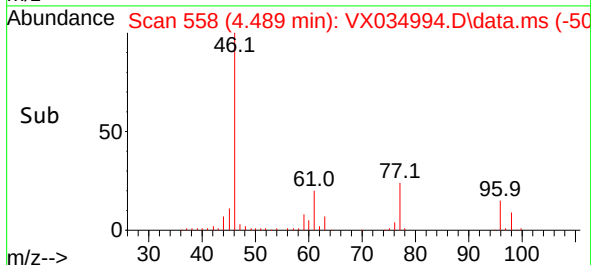
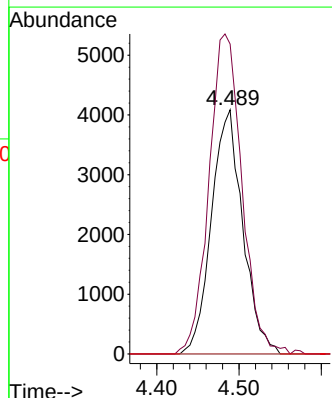
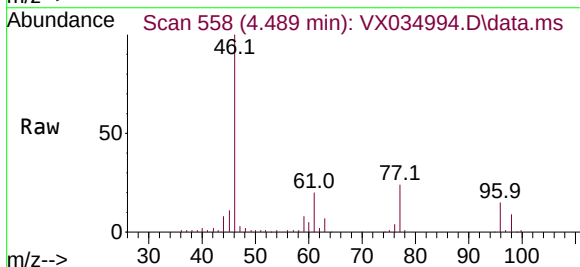
Tgt Ion: 96 Resp: 10824

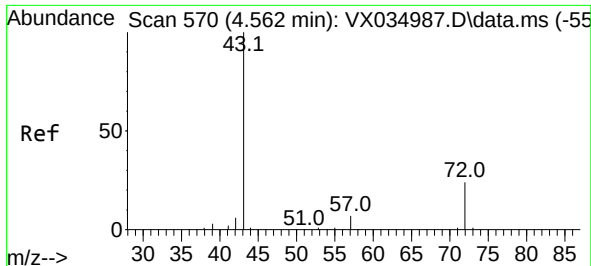
Ion Ratio Lower Upper

96 100

61 126.9 95.7 177.7

68 0.0 0.0 0.0

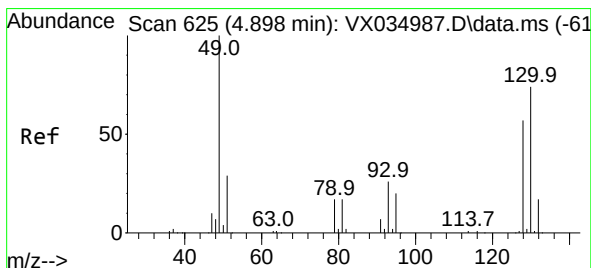
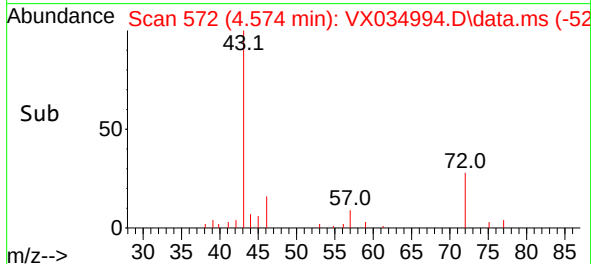
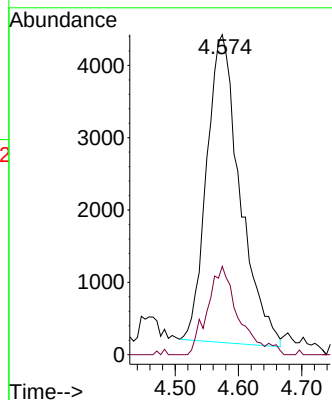
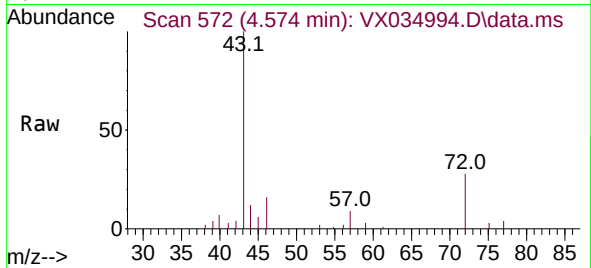




#22
2-Butanone
Concen: 5.135 ug/L
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX034994.D
Acq: 10 Apr 2023 14:47

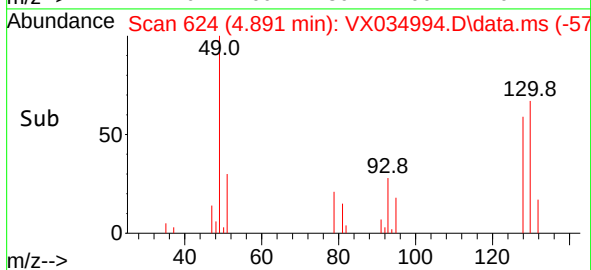
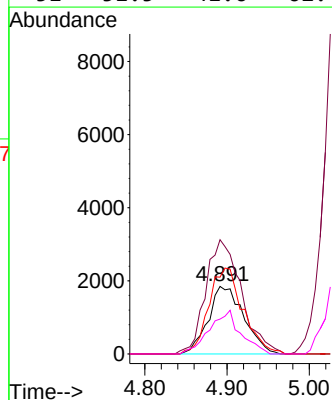
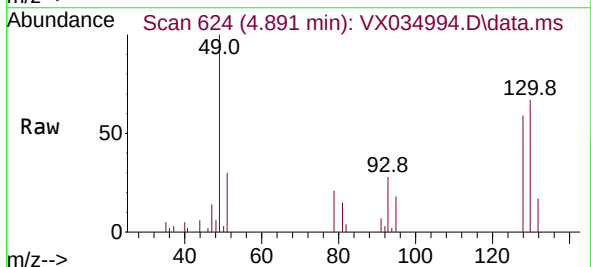
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-03

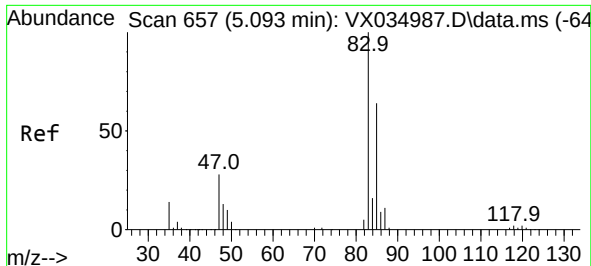
Tgt Ion: 43 Resp: 15534
Ion Ratio Lower Upper
43 100
72 25.8 11.5 34.5



#23
Bromochloromethane
Concen: 2.789 ug/L
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX034994.D
Acq: 10 Apr 2023 14:47

Tgt Ion: 128 Resp: 5584
Ion Ratio Lower Upper
128 100
49 169.0 123.9 230.1
130 113.6 92.1 171.1
51 51.5 41.6 62.4

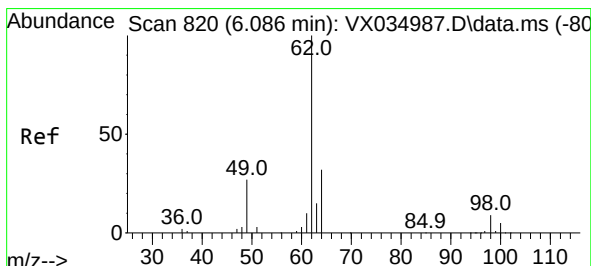
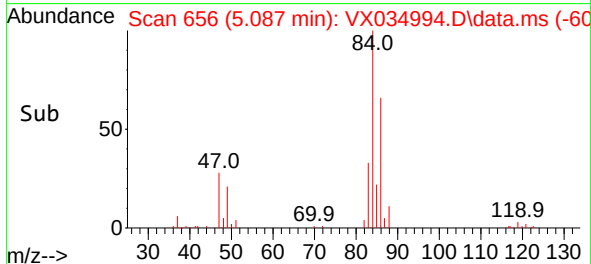
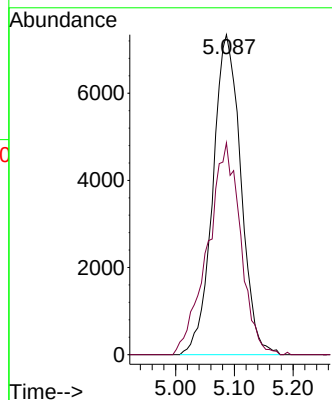
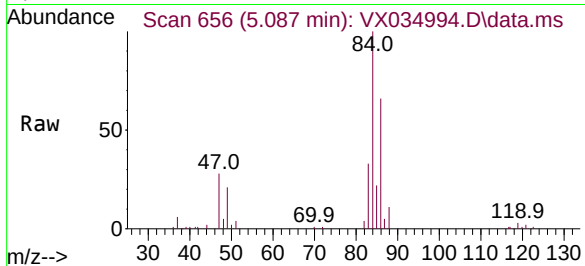




#25
Chloroform
Concen: 3.370 ug/L
RT: 5.087 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX034994.D
Acq: 10 Apr 2023 14:47

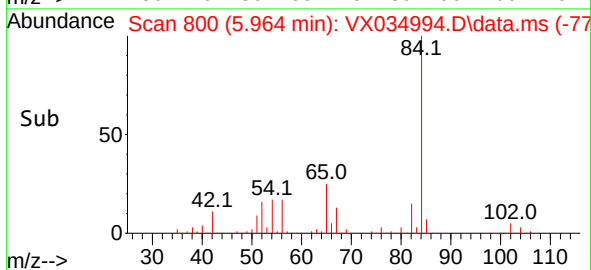
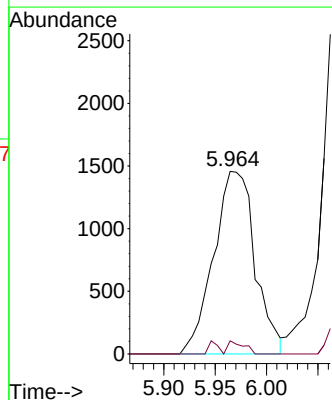
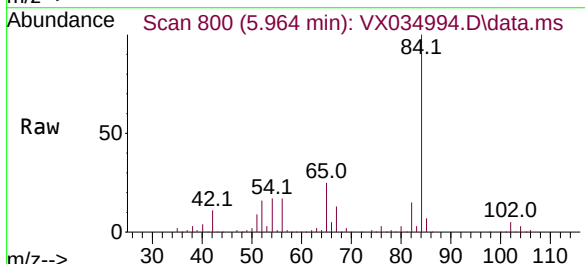
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-03

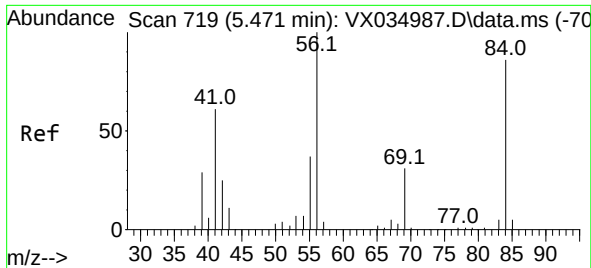
Tgt Ion: 83 Resp: 24349
Ion Ratio Lower Upper
83 100
85 66.2 45.1 83.9



#27
1,2-Dichloroethane
Concen: 0.666 ug/L
RT: 5.964 min Scan# 800
Delta R.T. -0.122 min
Lab File: VX034994.D
Acq: 10 Apr 2023 14:47

Tgt Ion: 62 Resp: 4075
Ion Ratio Lower Upper
62 100
98 7.2 7.0 10.6





#29

Cyclohexane

Concen: 2.666 ug/L

RT: 5.464 min Scan# 718

Delta R.T. -0.006 min

Lab File: VX034994.D

Acq: 10 Apr 2023 14:47

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2023-03

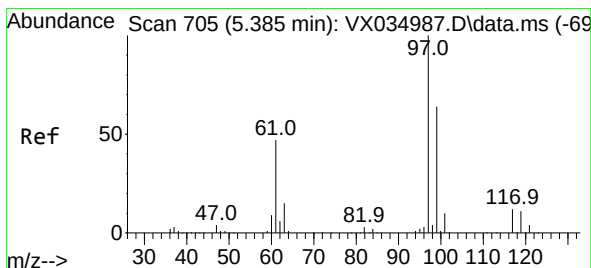
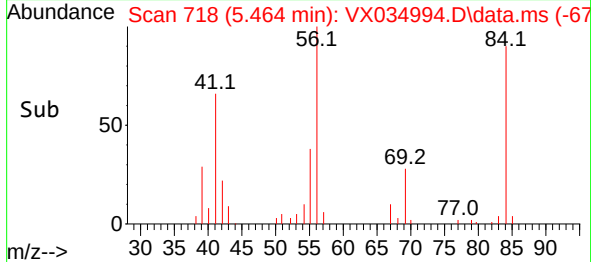
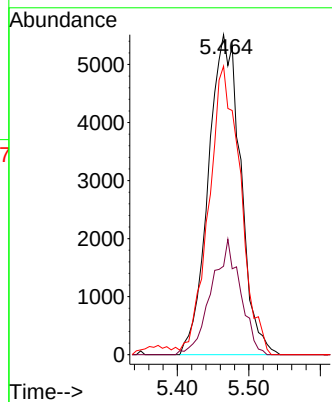
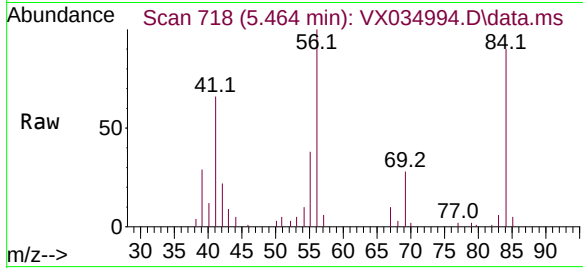
Tgt Ion: 56 Resp: 17272

Ion Ratio Lower Upper

56 100

69 19.6 24.5 36.7#

84 88.2 69.4 104.2



#30

1,1,1-Trichloroethane

Concen: 2.574 ug/L

RT: 5.379 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX034994.D

Acq: 10 Apr 2023 14:47

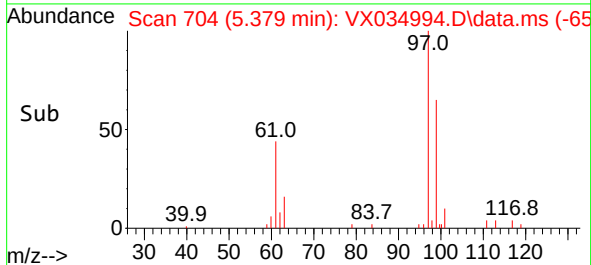
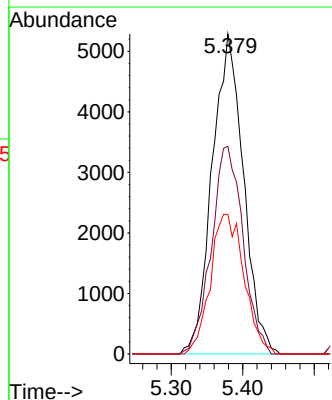
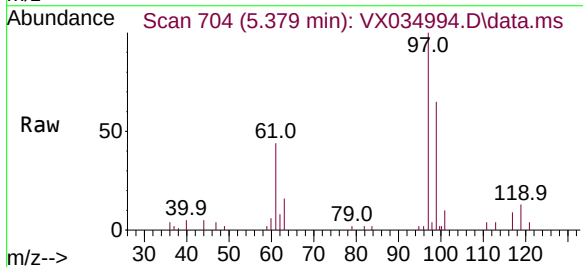
Tgt Ion: 97 Resp: 16033

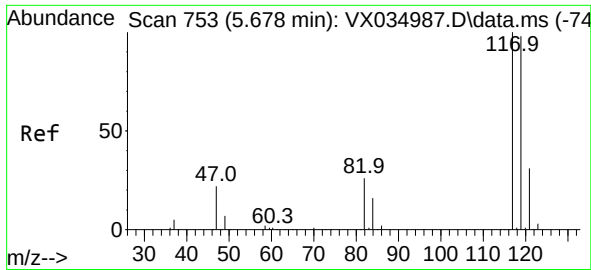
Ion Ratio Lower Upper

97 100

99 65.8 51.0 76.4

61 47.1 36.8 55.2

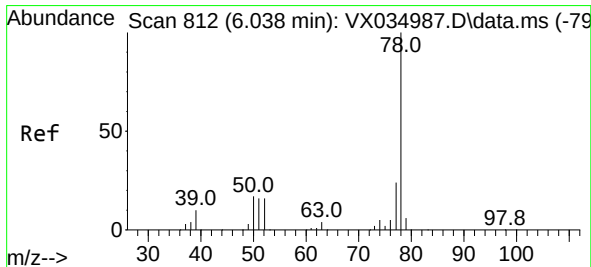
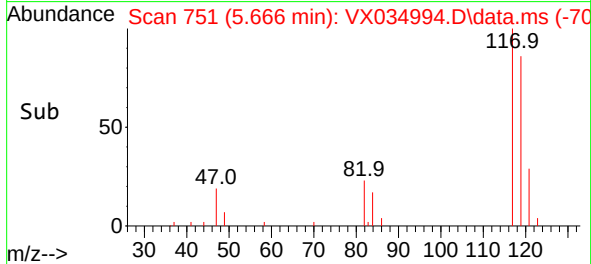
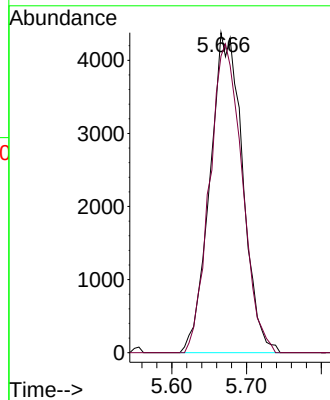
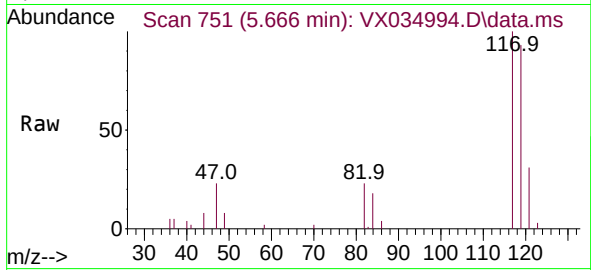




#31
Carbon tetrachloride
Concen: 2.482 ug/L
RT: 5.666 min Scan# 751
Delta R.T. -0.012 min
Lab File: VX034994.D
Acq: 10 Apr 2023 14:47

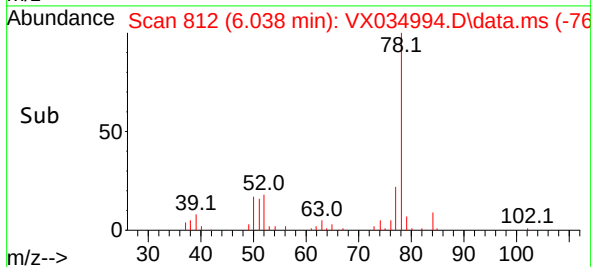
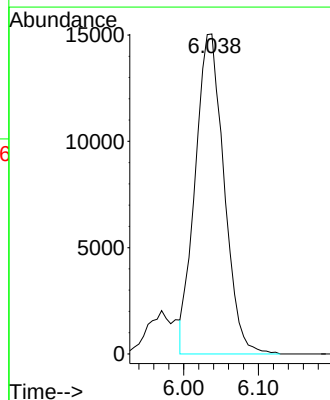
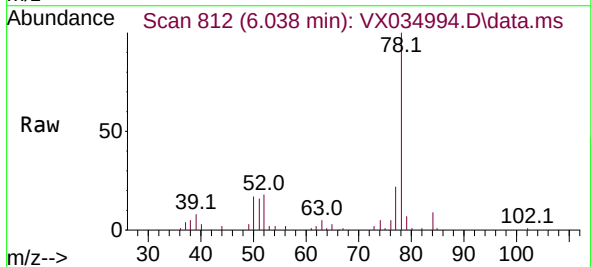
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-03

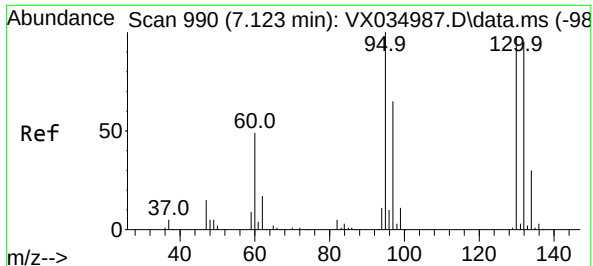
Tgt Ion:117 Resp: 13326
Ion Ratio Lower Upper
117 100
119 95.9 76.7 115.1



#33
Benzene
Concen: 2.678 ug/L
RT: 6.038 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX034994.D
Acq: 10 Apr 2023 14:47

Tgt Ion: 78 Resp: 40240

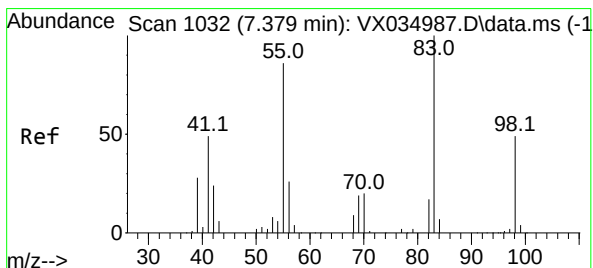
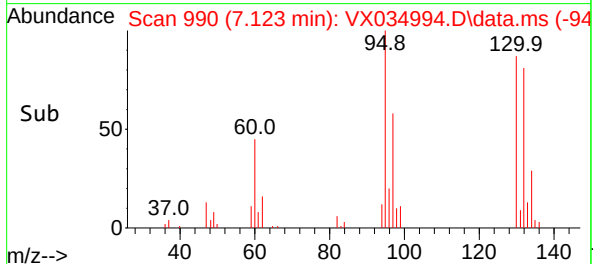
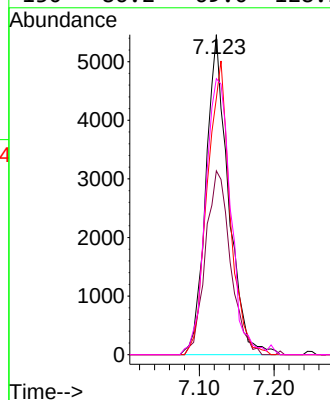
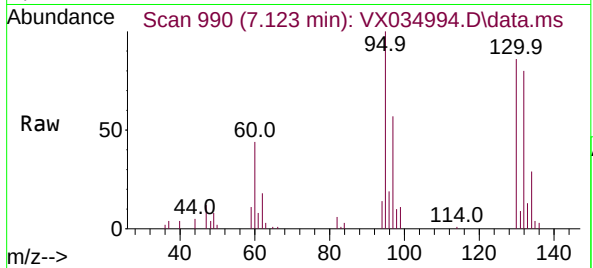




#34
Trichloroethene
Concen: 2.832 ug/L
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX034994.D
Acq: 10 Apr 2023 14:47

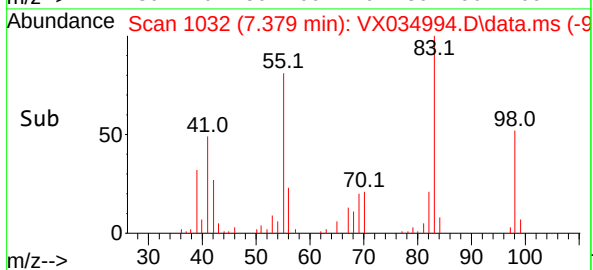
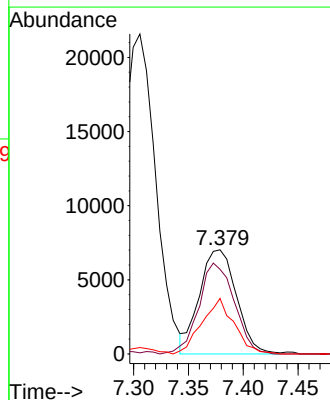
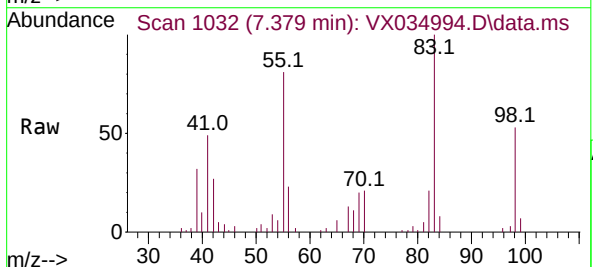
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-03

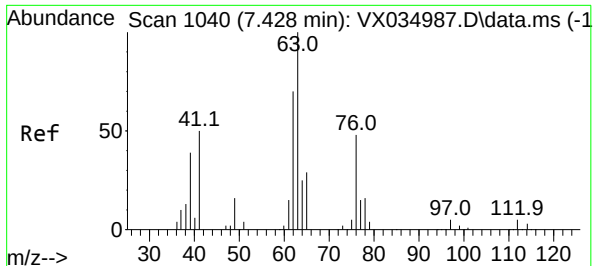
Tgt Ion:	95	Resp:	11470
Ion	Ratio	Lower	Upper
95	100		
97	57.4	45.4	84.2
132	80.1	66.8	124.0
130	86.2	69.0	128.1



#35
Methylcyclohexane
Concen: 2.834 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. -0.000 min
Lab File: VX034994.D
Acq: 10 Apr 2023 14:47

Tgt Ion:	83	Resp:	16551
Ion	Ratio	Lower	Upper
83	100		
55	83.1	65.0	97.6
98	46.2	38.7	58.1





#37

1,2-Dichloropropane

Concen: 2.616 ug/L

RT: 7.428 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX034994.D

Acq: 10 Apr 2023 14:47

Instrument :

MSVOA_X

ClientSampleId :

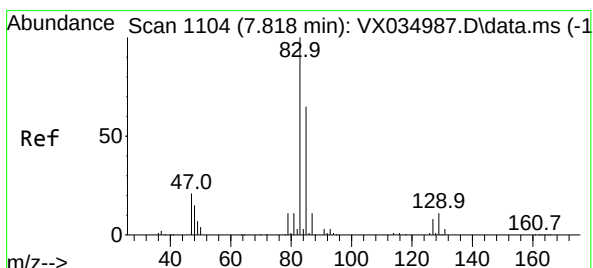
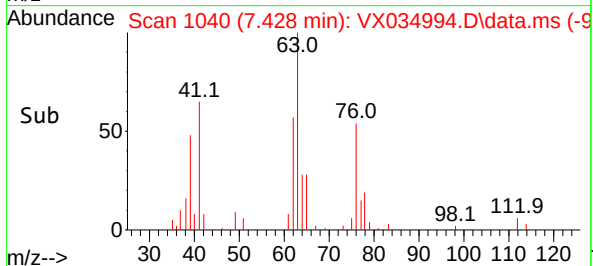
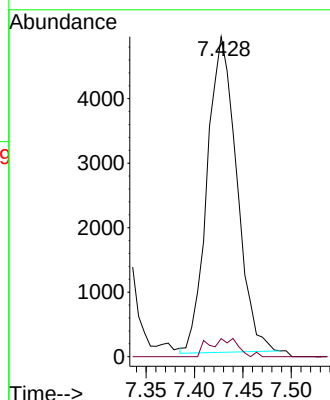
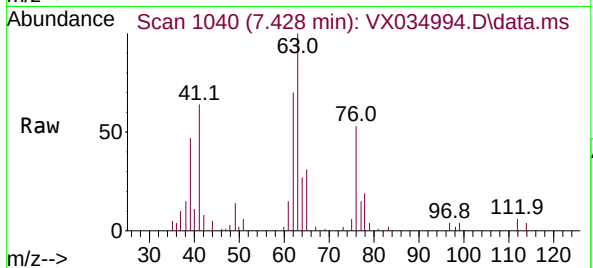
MDL-WATER-QT2-2023-03

Tgt Ion: 63 Resp: 10416

Ion Ratio Lower Upper

63 100

112 3.5 3.6 5.4#



#38

Bromodichloromethane

Concen: 2.411 ug/L

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX034994.D

Acq: 10 Apr 2023 14:47

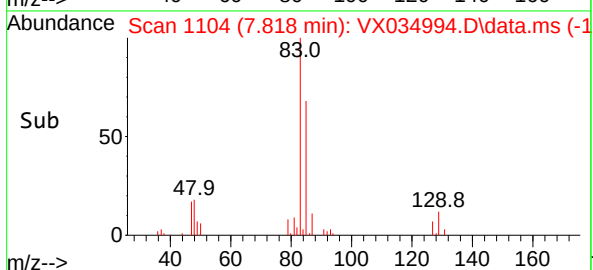
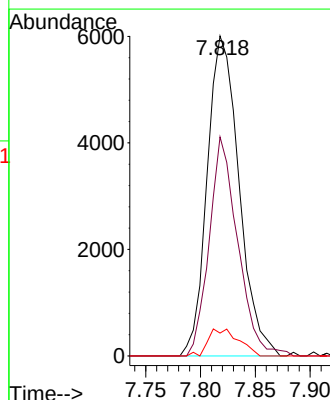
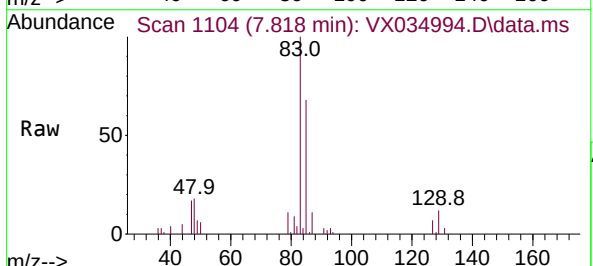
Tgt Ion: 83 Resp: 12143

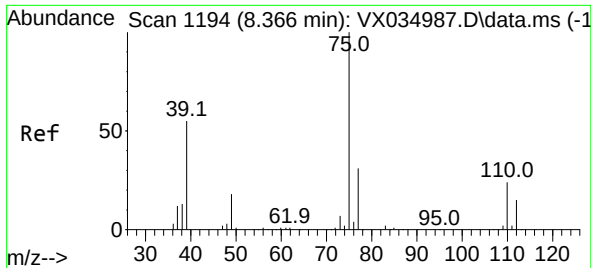
Ion Ratio Lower Upper

83 100

85 68.5 45.6 84.6

127 7.2 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 2.467 ug/L

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX034994.D

Acq: 10 Apr 2023 14:47

Instrument :

MSVOA_X

ClientSampleId :

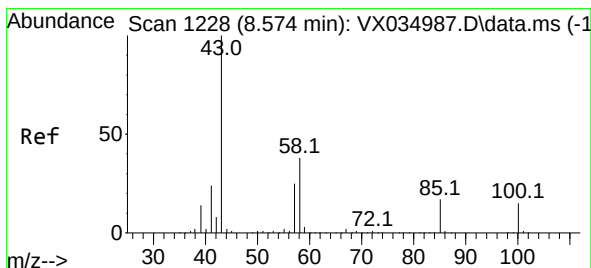
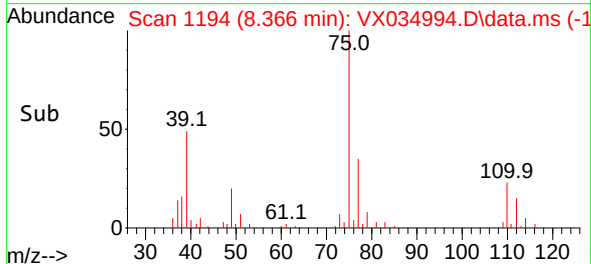
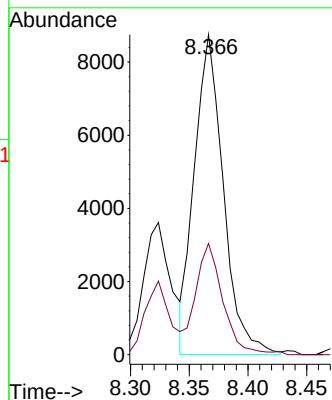
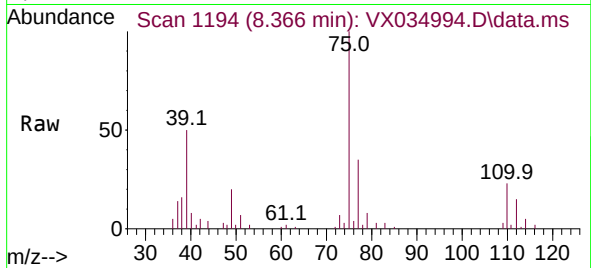
MDL-WATER-QT2-2023-03

Tgt Ion: 75 Resp: 15009

Ion Ratio Lower Upper

75 100

77 34.8 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 5.235 ug/L

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX034994.D

Acq: 10 Apr 2023 14:47

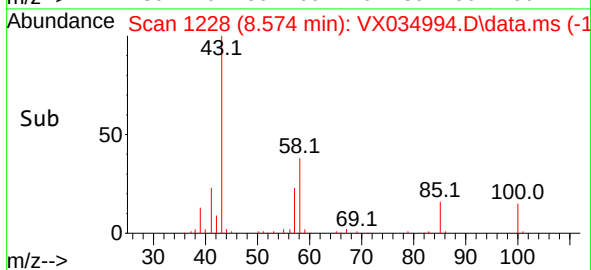
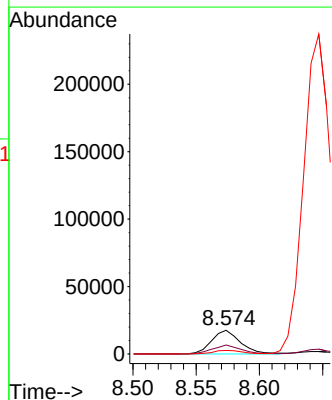
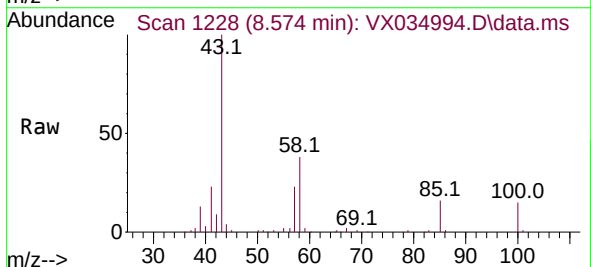
Tgt Ion: 43 Resp: 27691

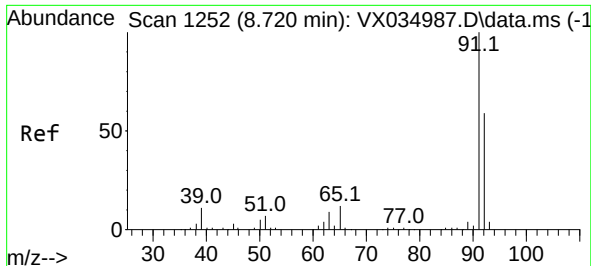
Ion Ratio Lower Upper

43 100

58 37.6 30.1 45.1

100 15.6 11.9 17.9





#42

Toluene

Concen: 2.767 ug/L

RT: 8.714 min Scan# 1251

Delta R.T. -0.006 min

Lab File: VX034994.D

Acq: 10 Apr 2023 14:47

Instrument :

MSVOA_X

ClientSampleId :

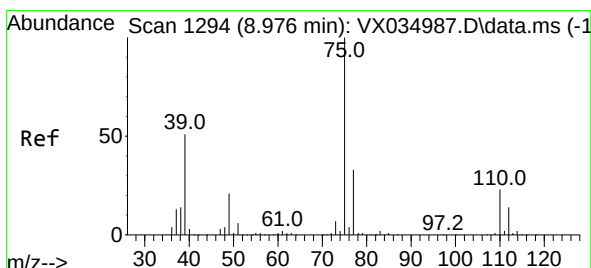
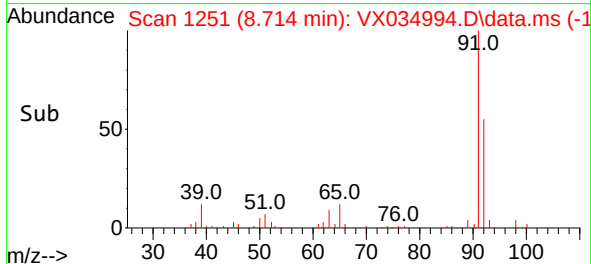
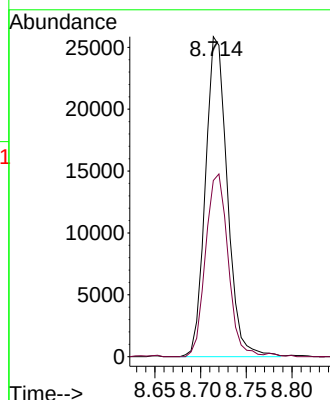
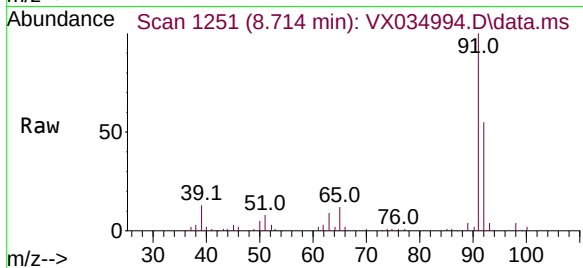
MDL-WATER-QT2-2023-03

Tgt Ion: 91 Resp: 43047

Ion Ratio Lower Upper

91 100

92 55.0 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 2.588 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX034994.D

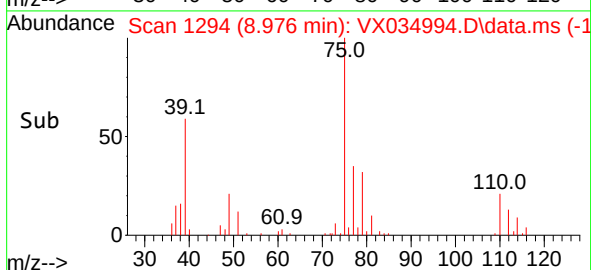
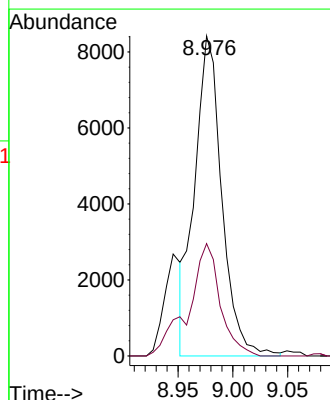
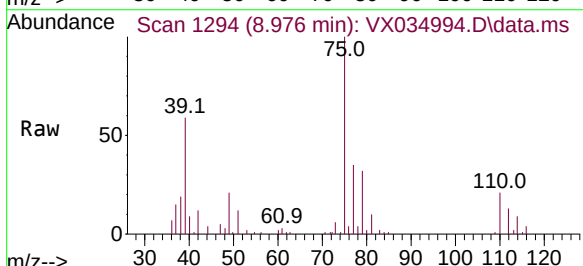
Acq: 10 Apr 2023 14:47

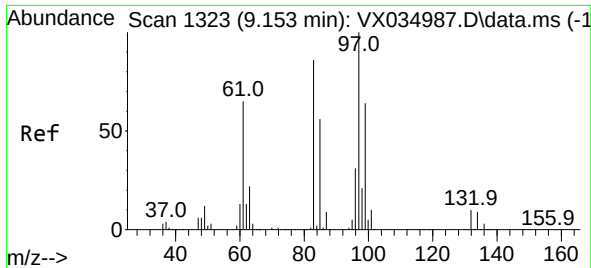
Tgt Ion: 75 Resp: 14496

Ion Ratio Lower Upper

75 100

77 35.1 22.9 42.5

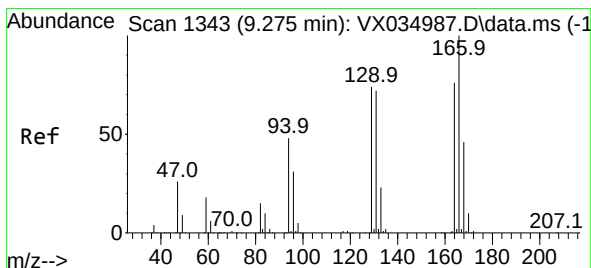
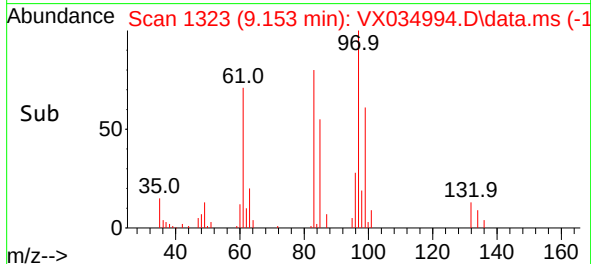
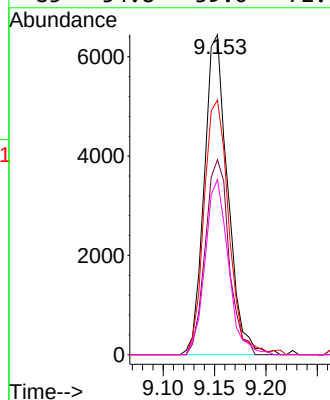
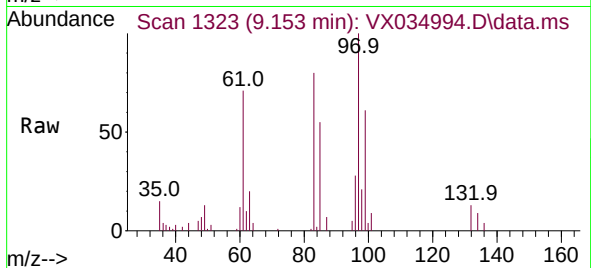




#45
1,1,2-Trichloroethane
Concen: 2.768 ug/L
RT: 9.153 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034994.D
Acq: 10 Apr 2023 14:47

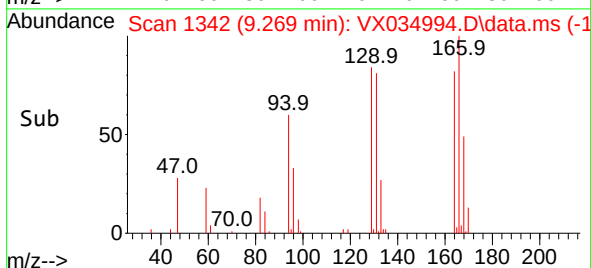
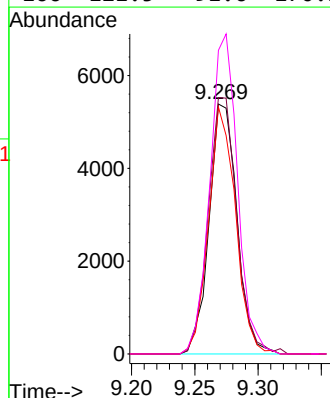
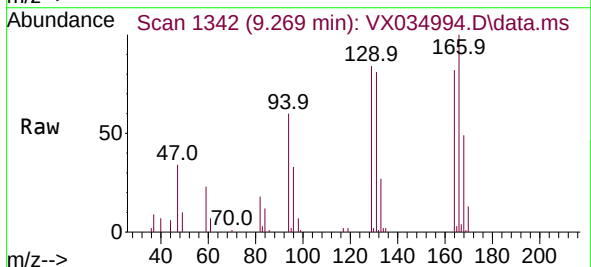
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-03

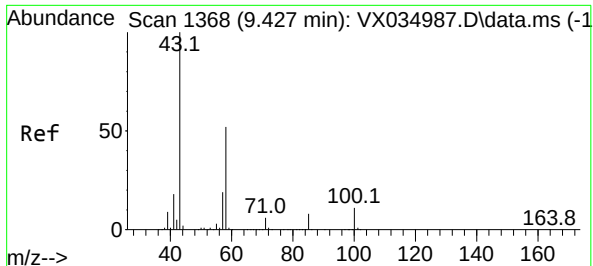
Tgt Ion: 97	Resp: 10274
Ion Ratio	Lower Upper
97 100	
99 60.9	44.8 83.2
83 79.6	60.5 112.3
85 54.8	39.0 72.4



#46
Tetrachloroethene
Concen: 2.735 ug/L
RT: 9.269 min Scan# 1342
Delta R.T. -0.006 min
Lab File: VX034994.D
Acq: 10 Apr 2023 14:47

Tgt Ion:164	Resp: 8254
Ion Ratio	Lower Upper
164 100	
129 102.6	67.7 125.7
131 98.8	65.8 122.2
166 121.5	91.6 170.2

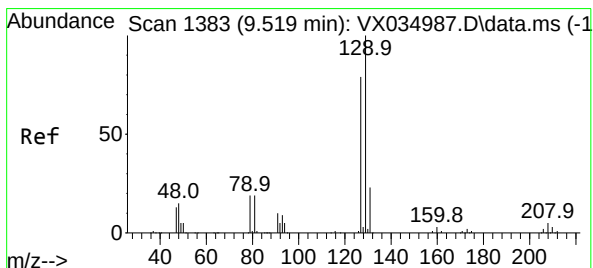
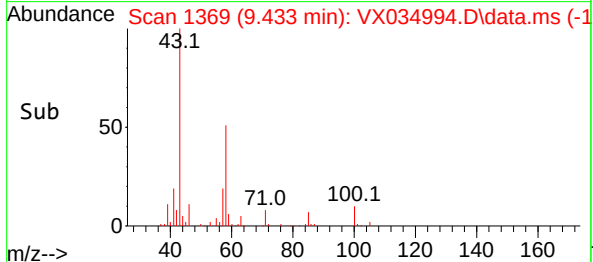
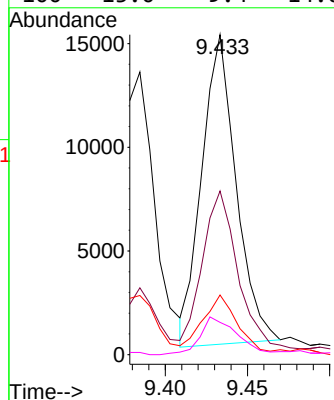
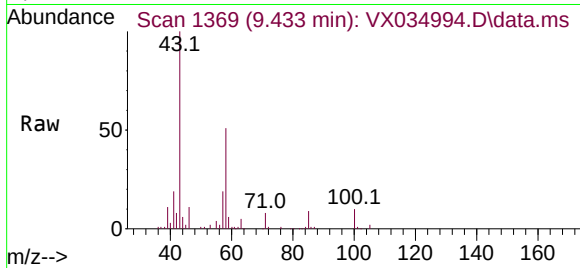




#48
2-Hexanone
Concen: 5.219 ug/L
RT: 9.433 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX034994.D
Acq: 10 Apr 2023 14:47

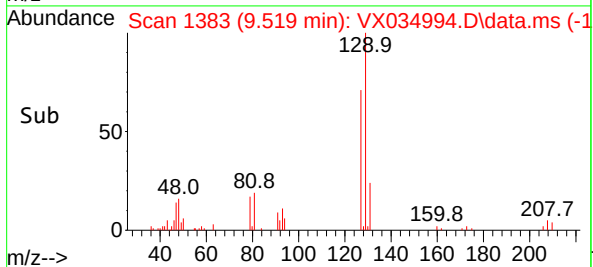
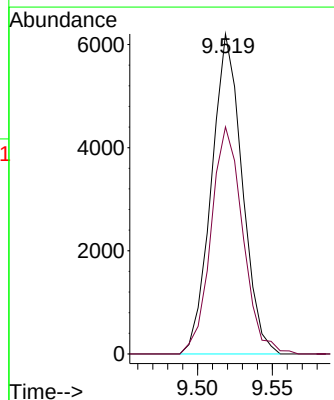
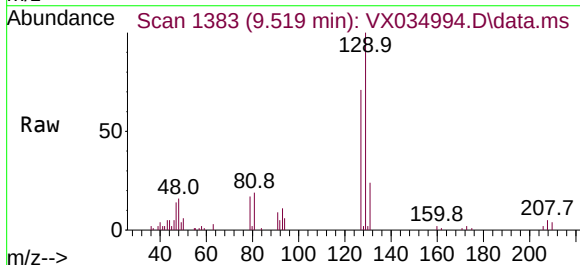
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-03

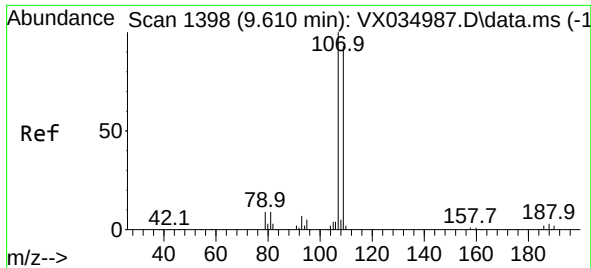
Tgt Ion: 43	Resp: 21639
Ion Ratio	Lower Upper
43 100	
58 57.8	42.1 63.1
57 20.0	15.0 22.6
100 13.0	9.4 14.0



#49
Dibromochloromethane
Concen: 2.426 ug/L
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX034994.D
Acq: 10 Apr 2023 14:47

Tgt Ion:129	Resp:	8859	
Ion	Ratio	Lower	Upper
129	100		
127	70.9	55.0	102.2

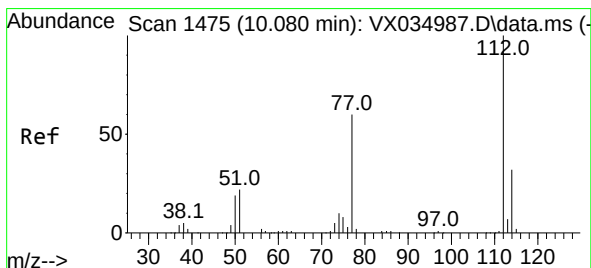
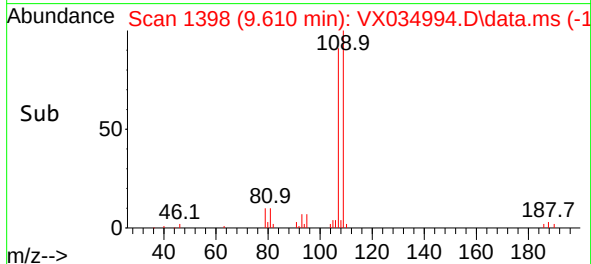
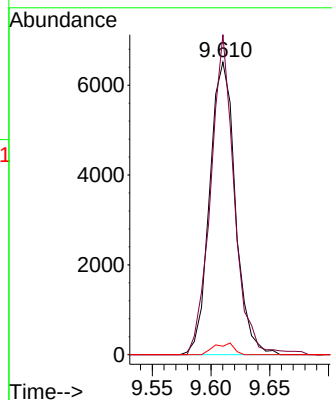
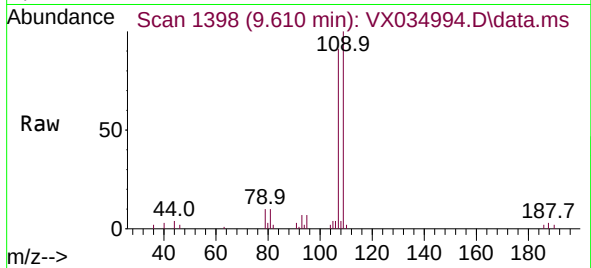




#50
1,2-Dibromoethane
Concen: 2.547 ug/L
RT: 9.610 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VX034994.D
Acq: 10 Apr 2023 14:47

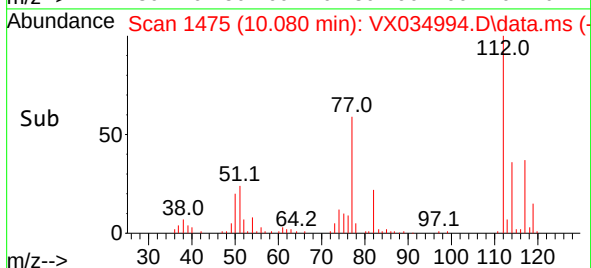
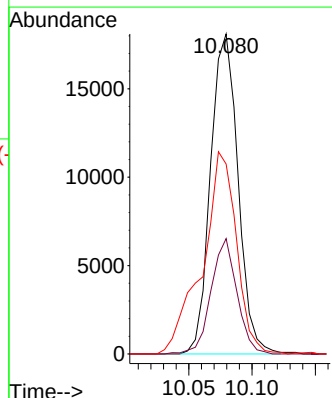
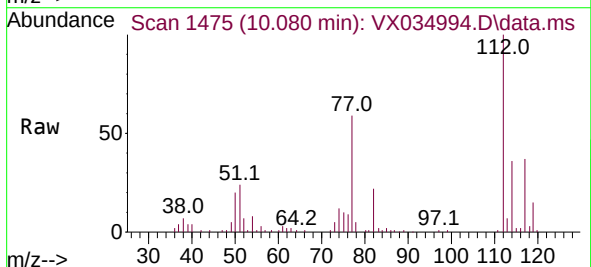
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT2-2023-03

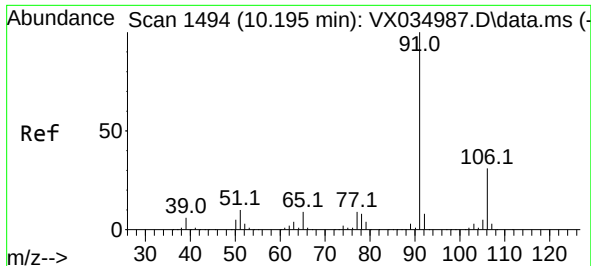
Tgt Ion:	107	Resp:	9924
Ion	Ratio	Lower	Upper
107	100		
109	109.4	65.4	121.4
188	2.9	2.7	4.1



#51
Chlorobenzene
Concen: 2.726 ug/L
RT: 10.080 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX034994.D
Acq: 10 Apr 2023 14:47

Tgt Ion:	112	Resp:	27338
Ion	Ratio	Lower	Upper
112	100		
114	36.0	22.6	42.0
77	59.4	48.8	73.2

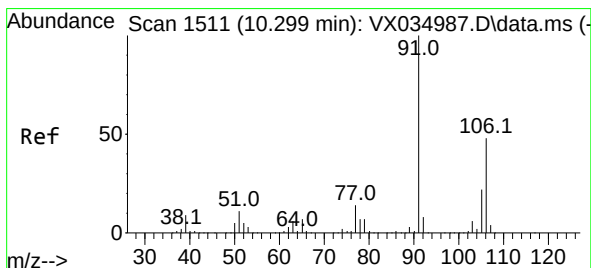
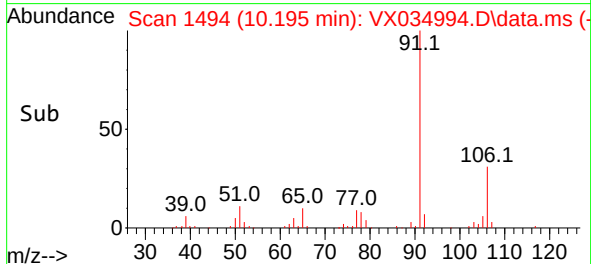
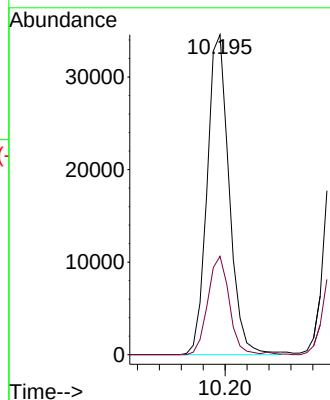
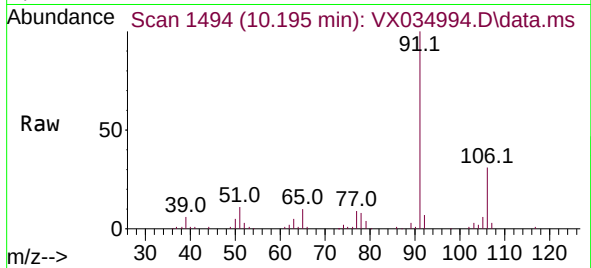




#52
Ethylbenzene
Concen: 2.729 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX034994.D
Acq: 10 Apr 2023 14:47

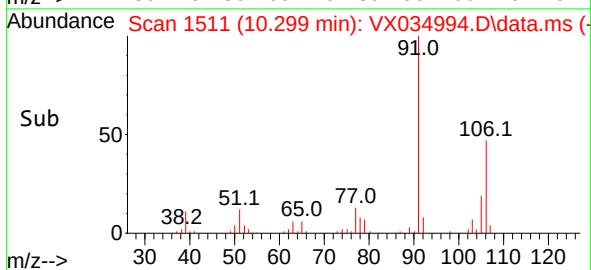
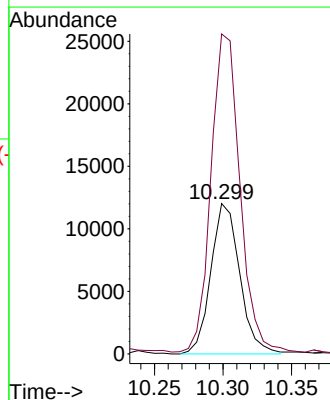
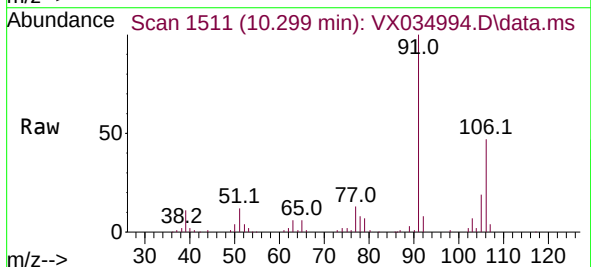
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-03

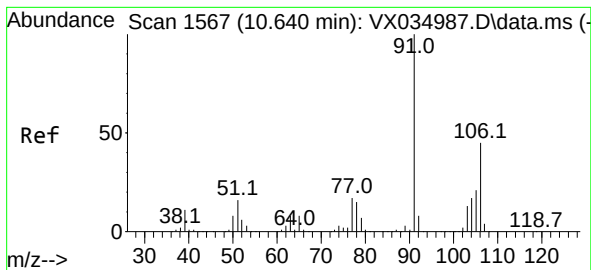
Tgt Ion: 91 Resp: 48180
Ion Ratio Lower Upper
91 100
106 30.8 21.3 39.6



#53
m,p-Xylene
Concen: 2.650 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX034994.D
Acq: 10 Apr 2023 14:47

Tgt Ion: 106 Resp: 17634
Ion Ratio Lower Upper
106 100
91 212.8 146.4 272.0





#54

o-Xylene

Concen: 2.600 ug/L

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX034994.D

Acq: 10 Apr 2023 14:47

Instrument :

MSVOA_X

ClientSampleId :

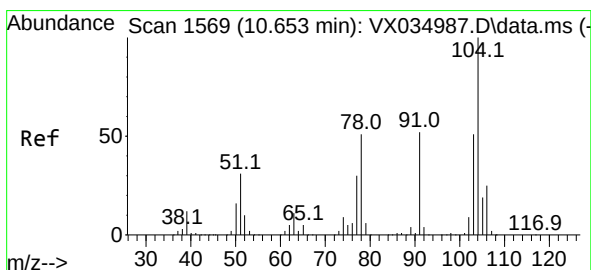
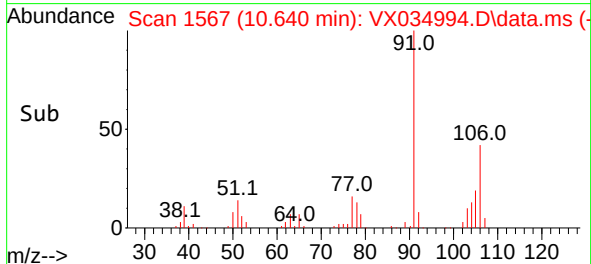
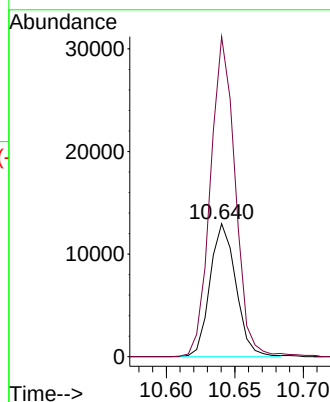
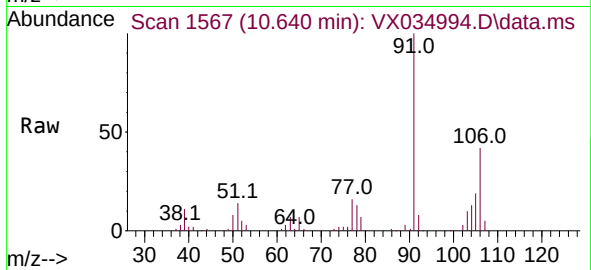
MDL-WATER-QT2-2023-03

Tgt Ion:106 Resp: 17045

Ion Ratio Lower Upper

106 100

91 240.5 154.0 286.0



#55

Styrene

Concen: 2.560 ug/L

RT: 10.653 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX034994.D

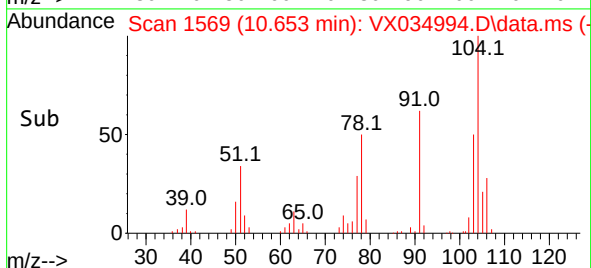
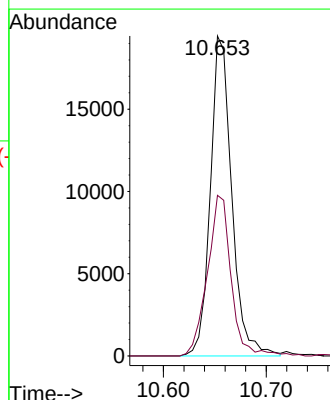
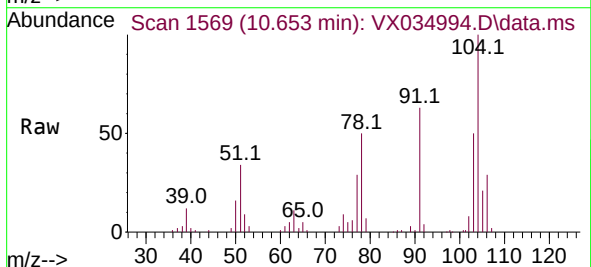
Acq: 10 Apr 2023 14:47

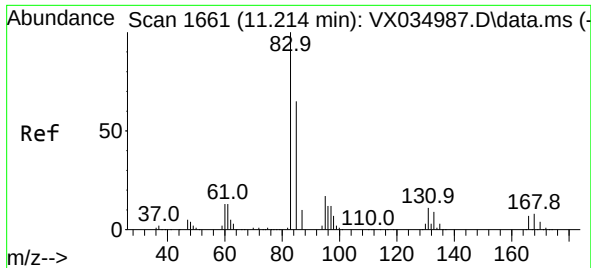
Tgt Ion:104 Resp: 28132

Ion Ratio Lower Upper

104 100

78 50.2 35.4 65.8





#57

1,1,2,2-Tetrachloroethane

Concen: 2.878 ug/L

RT: 11.213 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX034994.D

Acq: 10 Apr 2023 14:47

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2023-03

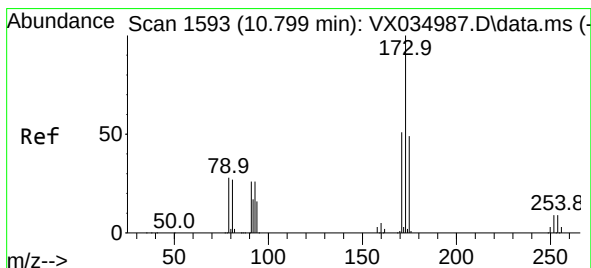
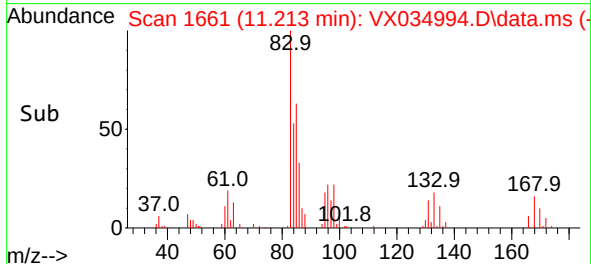
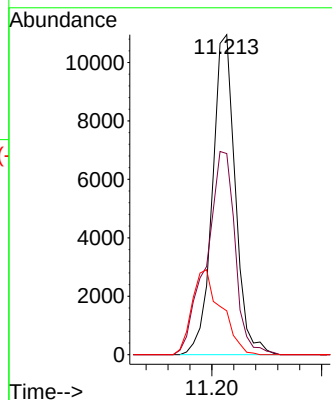
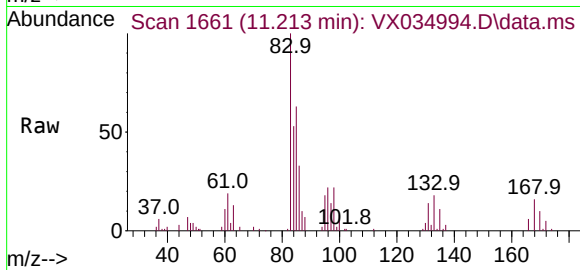
Tgt Ion: 83 Resp: 15866

Ion Ratio Lower Upper

83 100

85 62.8 45.5 84.5

131 13.7 8.6 12.8#



#59

Bromoform

Concen: 2.078 ug/L

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX034994.D

Acq: 10 Apr 2023 14:47

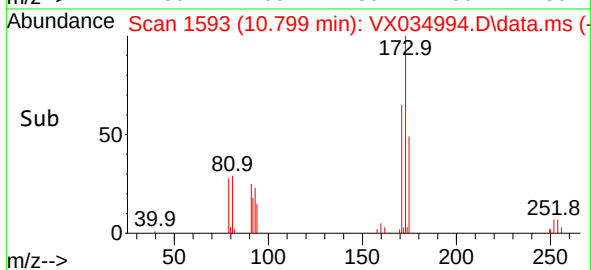
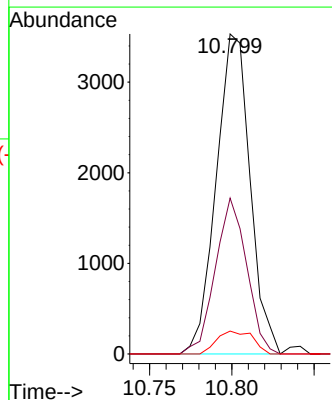
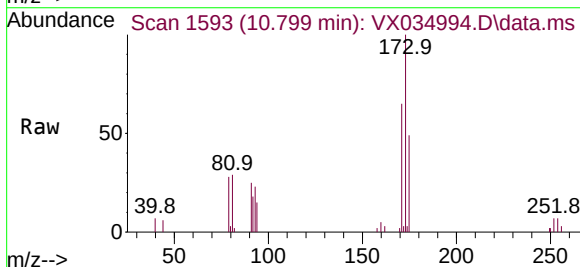
Tgt Ion:173 Resp: 5054

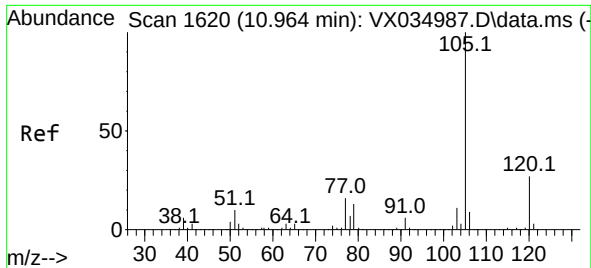
Ion Ratio Lower Upper

173 100

175 45.2 39.0 58.4

254 7.6 7.3 10.9

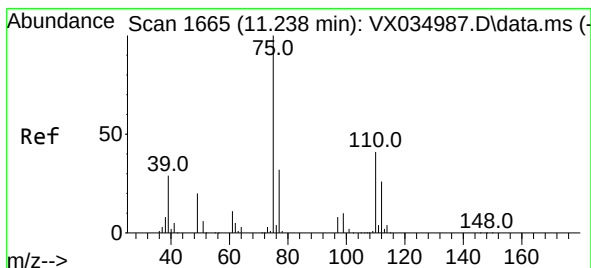
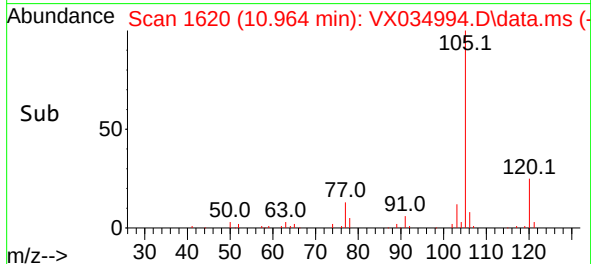
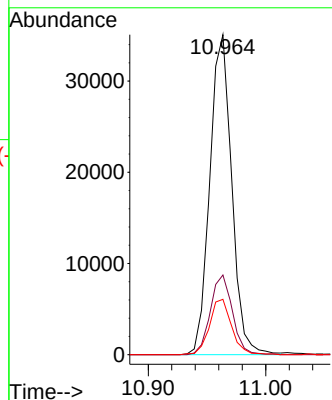
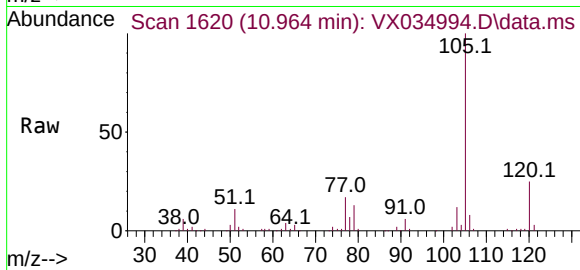




#60
Isopropylbenzene
Concen: 2.732 ug/L
RT: 10.964 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX034994.D
Acq: 10 Apr 2023 14:47

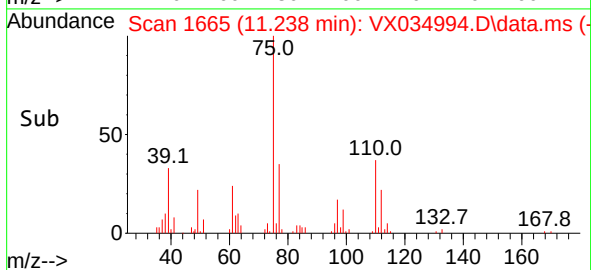
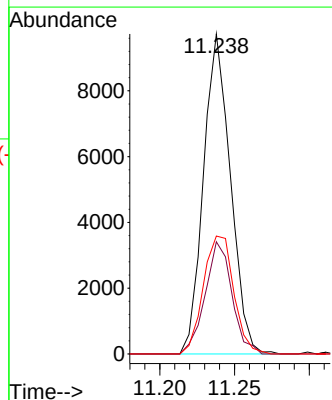
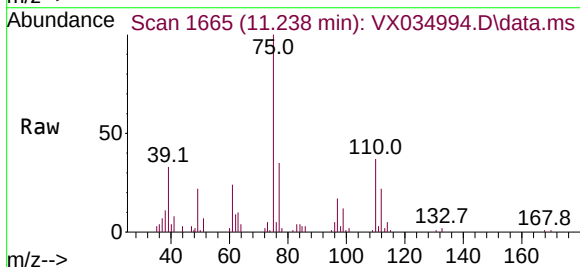
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-03

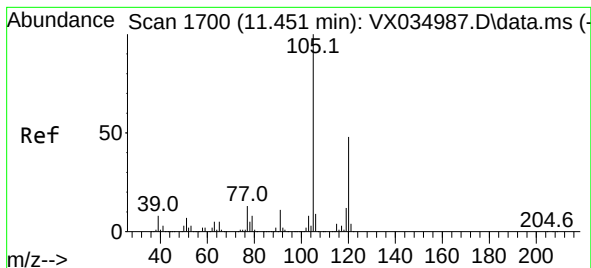
Tgt Ion:105 Resp: 45504
Ion Ratio Lower Upper
105 100
120 25.0 21.1 31.7
77 17.5 13.3 19.9



#61
1,2,3-Trichloropropane
Concen: 2.787 ug/L
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX034994.D
Acq: 10 Apr 2023 14:47

Tgt Ion: 75 Resp: 12187
Ion Ratio Lower Upper
75 100
77 34.8 25.3 37.9
110 41.6 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 2.653 ug/L

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX034994.D

Acq: 10 Apr 2023 14:47

Instrument :

MSVOA_X

ClientSampleId :

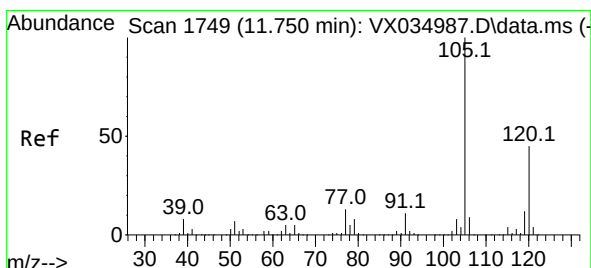
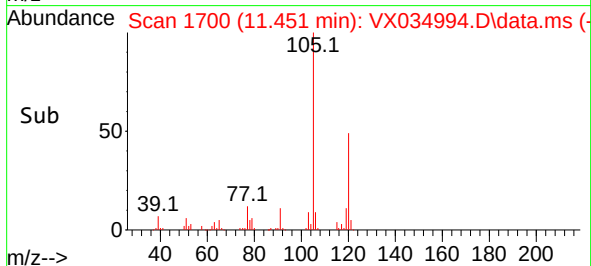
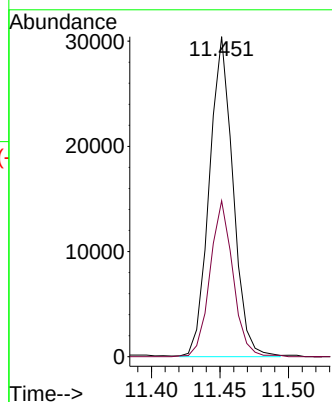
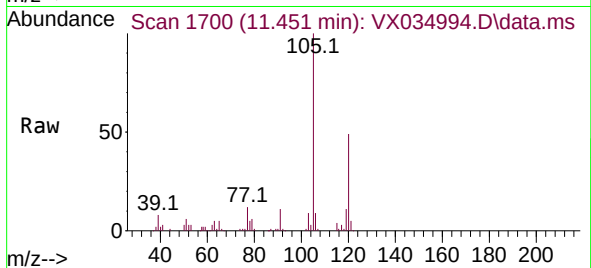
MDL-WATER-QT2-2023-03

Tgt Ion:105 Resp: 36632

Ion Ratio Lower Upper

105 100

120 46.0 38.0 57.0



#63

1,2,4-Trimethylbenzene

Concen: 2.600 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX034994.D

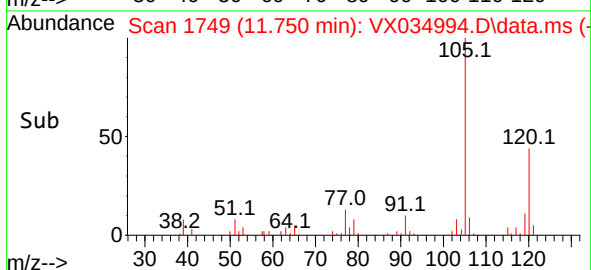
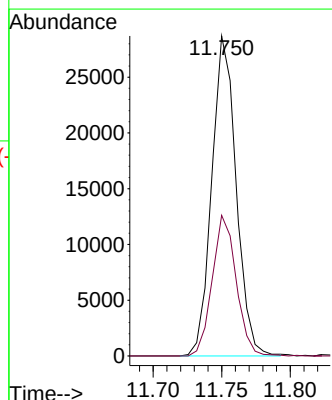
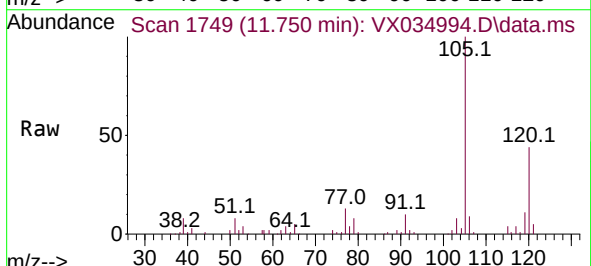
Acq: 10 Apr 2023 14:47

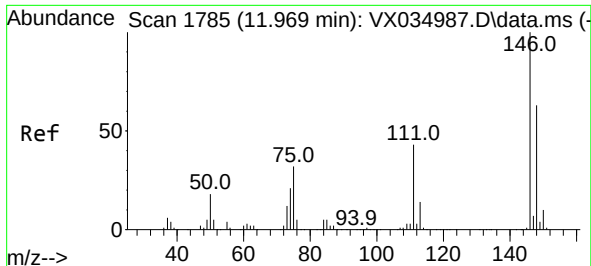
Tgt Ion:105 Resp: 35458

Ion Ratio Lower Upper

105 100

120 43.2 35.6 53.4

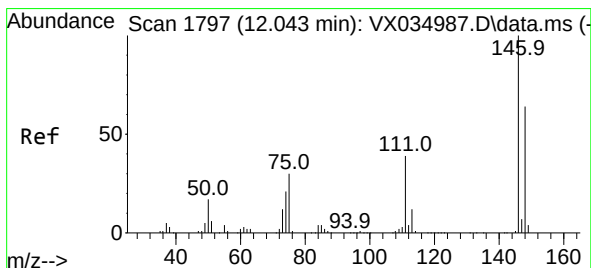
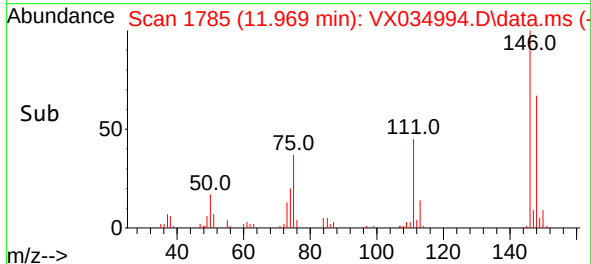
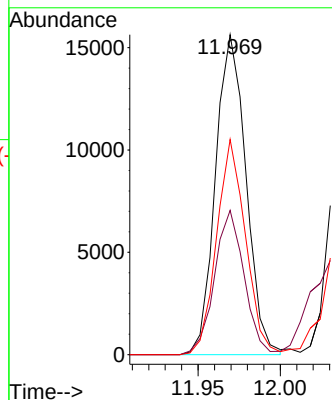
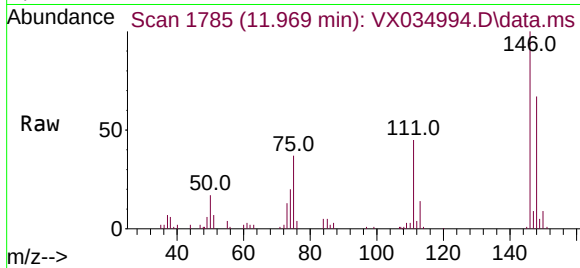




#64
1,3-Dichlorobenzene
Concen: 2.717 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX034994.D
Acq: 10 Apr 2023 14:47

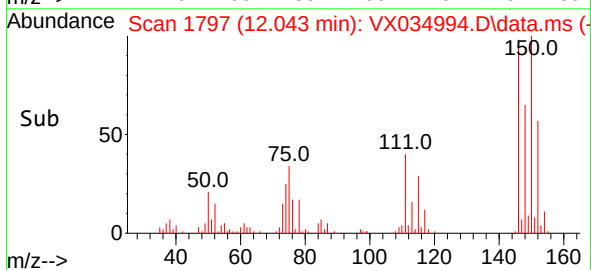
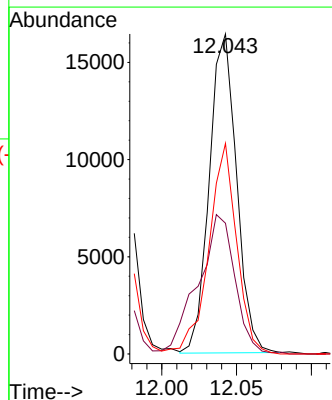
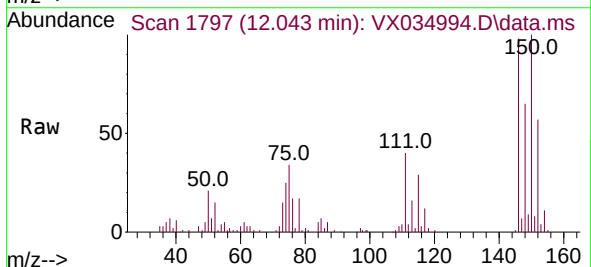
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-03

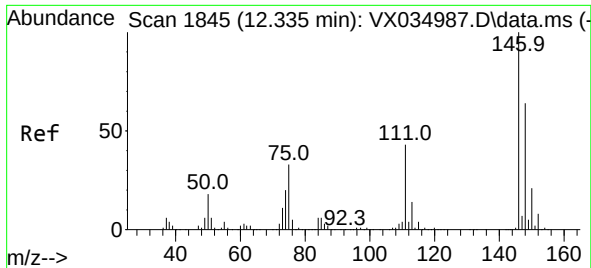
Tgt Ion:146 Resp: 20159
Ion Ratio Lower Upper
146 100
111 45.1 30.3 56.3
148 67.2 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 2.780 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX034994.D
Acq: 10 Apr 2023 14:47

Tgt Ion:146 Resp: 20857
Ion Ratio Lower Upper
146 100
111 40.9 27.5 51.1
148 65.8 44.4 82.4

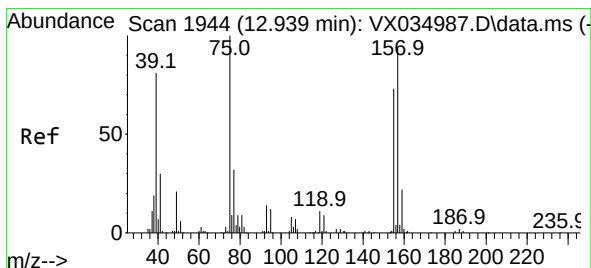
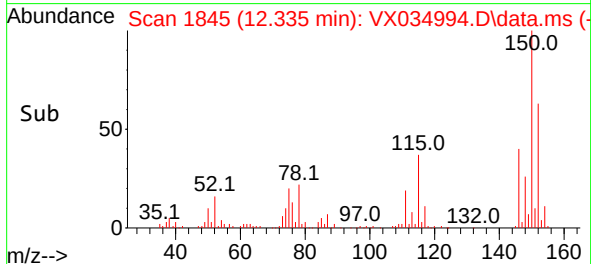
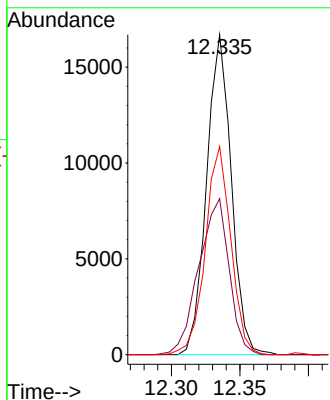
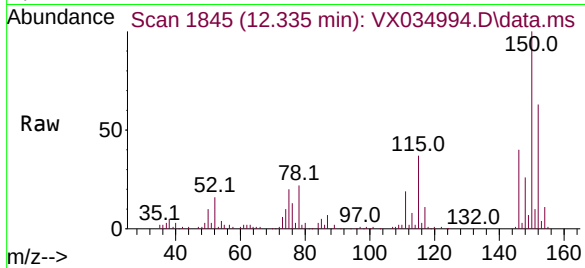




#67
1,2-Dichlorobenzene
Concen: 2.867 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX034994.D
Acq: 10 Apr 2023 14:47

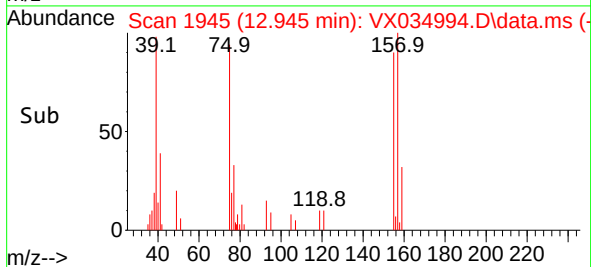
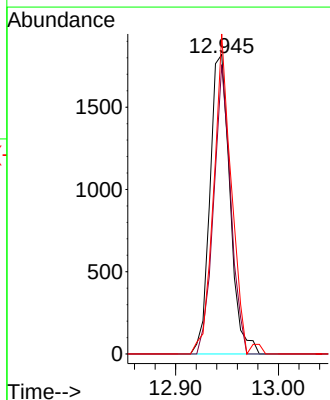
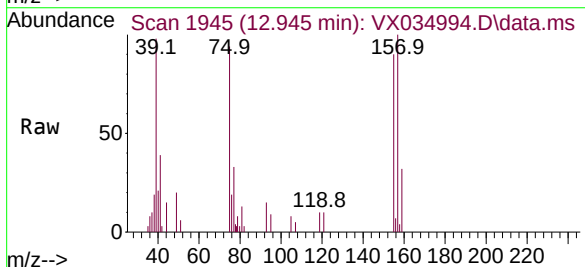
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-03

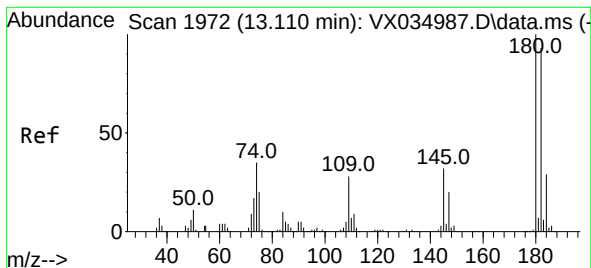
Tgt Ion:146 Resp: 20956
Ion Ratio Lower Upper
146 100
111 48.7 34.4 51.6
148 65.0 51.0 76.4



#68
1,2-Dibromo-3-chloropropane
Concen: 2.197 ug/L
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX034994.D
Acq: 10 Apr 2023 14:47

Tgt Ion: 75 Resp: 2459
Ion Ratio Lower Upper
75 100
155 96.6 58.0 87.0#
157 106.9 75.3 112.9





#69

1,3,5-Trichlorobenzene

Concen: 2.702 ug/L

RT: 13.109 min Scan# 1972

Delta R.T. -0.000 min

Lab File: VX034994.D

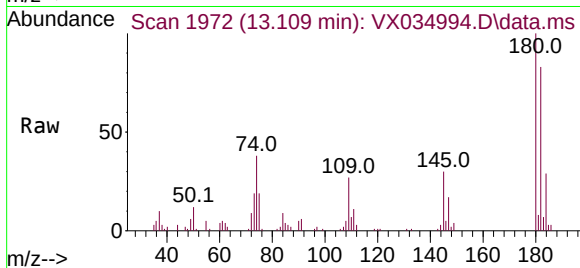
Acq: 10 Apr 2023 14:47

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2023-03



Tgt Ion:180 Resp: 12541

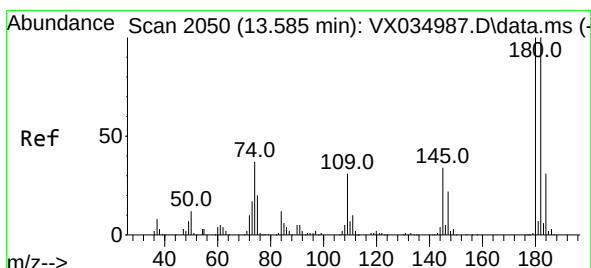
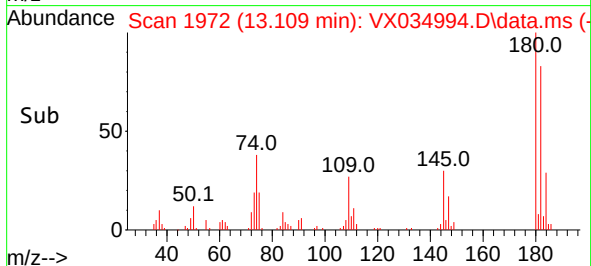
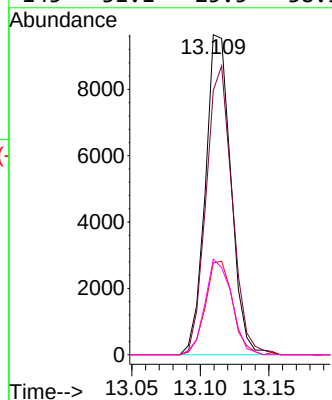
Ion Ratio Lower Upper

180 100

182 91.9 76.8 115.2

184 30.8 23.8 35.8

145 31.1 25.5 38.3



#70

1,2,4-trichlorobenzene

Concen: 2.550 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX034994.D

Acq: 10 Apr 2023 14:47

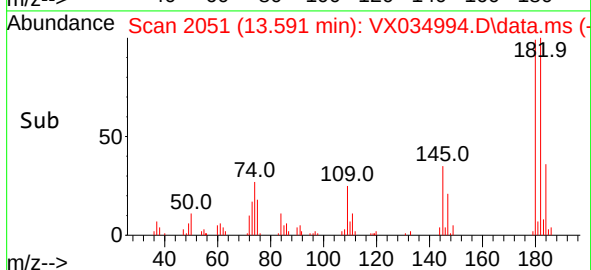
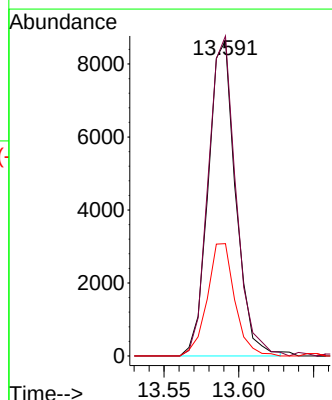
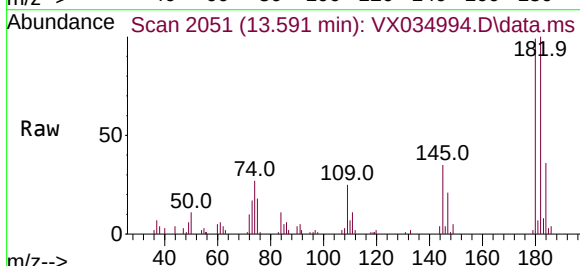
Tgt Ion:180 Resp: 11007

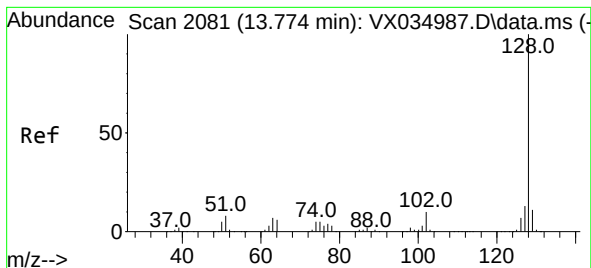
Ion Ratio Lower Upper

180 100

182 102.2 77.0 115.4

145 35.9 26.7 40.1





#71

Naphthalene

Concen: 2.445 ug/L

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX034994.D

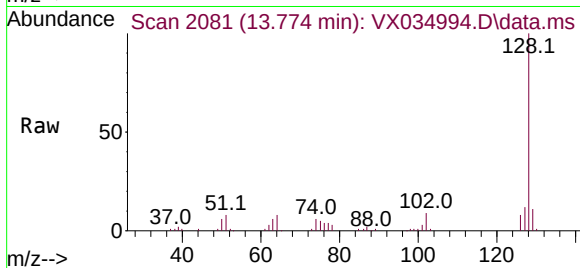
Acq: 10 Apr 2023 14:47

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2023-03



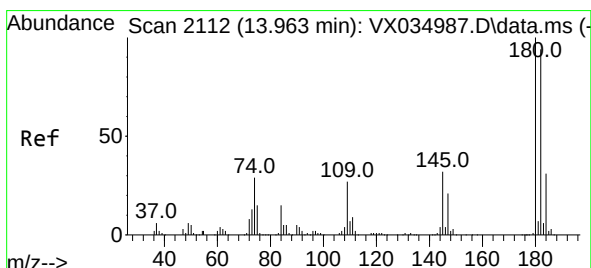
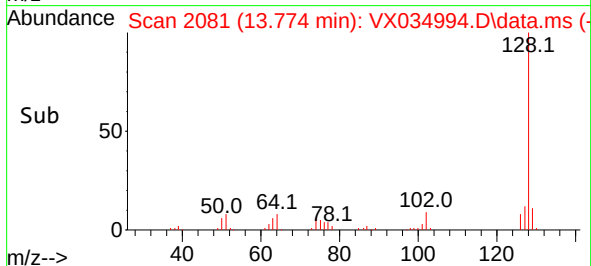
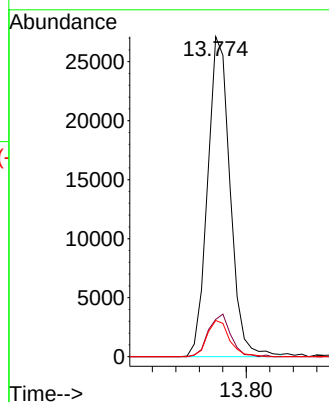
Tgt Ion:128 Resp: 36067

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 11.3 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 2.546 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX034994.D

Acq: 10 Apr 2023 14:47

Tgt Ion:180 Resp: 11035

Ion Ratio Lower Upper

180 100

182 97.6 76.6 114.8

145 37.0 28.0 42.0

