

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041123\
 Data File : VX035001.D
 Acq On : 11 Apr 2023 11:02
 Operator : JC/MD
 Sample : 02215-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT2-2023-04

Quant Time: Apr 12 02:03:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 12 01:54:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	459875	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	397815	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	185327	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	148196	48.382	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.760%
7) Chloroethane-d5	1.673	69	114839	51.187	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.380%
11) 1,1-Dichloroethene-d2	2.307	63	232097	37.381	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.760%
21) 2-Butanone-d5	4.465	46	227891	111.942	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.940%
24) Chloroform-d	5.056	84	292509	50.112	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.220%
26) 1,2-Dichloroethane-d4	5.952	65	208438	52.020	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.040%
32) Benzene-d6	5.971	84	589984	53.126	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.260%
36) 1,2-Dichloropropane-d6	7.306	67	184977	54.146	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.300%
41) Toluene-d8	8.647	98	530576	52.162	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.320%
43) trans-1,3-Dichloroprop...	8.952	79	73484	46.840	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.680%
47) 2-Hexanone-d5	9.385	63	151533	110.978	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.980%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	224943	52.984	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.960%
66) 1,2-Dichlorobenzene-d4	12.317	152	187489	55.132	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.260%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	6897	1.727	ug/L	95
3) Chloromethane	1.295	50	6985	1.861	ug/L	88
5) Vinyl chloride	1.374	62	7114	1.870	ug/L #	73
6) Bromomethane	1.612	94	3974	1.848	ug/L	82
8) Chloroethane	1.691	64	4079	1.905	ug/L	100
9) Trichlorofluoromethane	1.886	101	9012	1.702	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	7987	2.431	ug/L #	78
12) 1,1-Dichloroethene	2.319	96	7189	2.459	ug/L #	1
13) Acetone	2.398	43	8612	4.278	ug/L	99
14) Carbon disulfide	2.508	76	12392	1.577	ug/L #	94
15) Methyl Acetate	2.709	43	6707	1.941	ug/L	96
16) Methylene chloride	2.794	84	6049	1.886	ug/L	93
17) trans-1,2-Dichloroethene	3.093	96	4938	1.642	ug/L	89
18) Methyl tert-butyl Ether	3.111	73	19039	1.812	ug/L	100
19) 1,1-Dichloroethane	3.605	63	10439	1.744	ug/L	92
20) cis-1,2-Dichloroethene	4.477	96	6054	1.760	ug/L	96
22) 2-Butanone	4.629	43	1095	0.426	ug/L	88
23) Bromochloromethane	4.910	128	3020	1.775	ug/L #	69
25) Chloroform	5.093	83	15380	2.505	ug/L	92

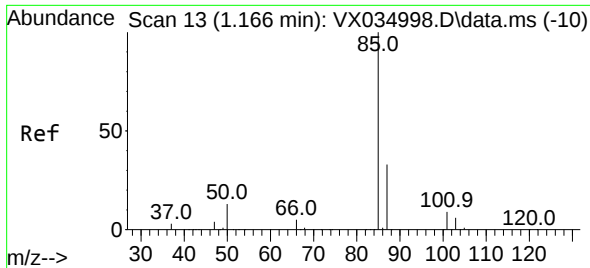
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041123\
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Quant Time: Apr 12 02:03:40 2023
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 Quant Title : VOC Analysis
 QLast Update : Wed Apr 12 01:54:54 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.092	62	9528	1.832	ug/L	95
29) Cyclohexane	5.471	56	9725	1.778	ug/L #	94
30) 1,1,1-Trichloroethane	5.385	97	8502	1.616	ug/L	98
31) Carbon tetrachloride	5.678	117	7424	1.637	ug/L	96
33) Benzene	6.038	78	23450	1.848	ug/L	100
34) Trichloroethene	7.123	95	6066	1.773	ug/L	90
35) Methylcyclohexane	7.379	83	8521	1.728	ug/L	99
37) 1,2-Dichloropropane	7.434	63	6100	1.815	ug/L	99
38) Bromodichloromethane	7.824	83	6682	1.571	ug/L	94
39) cis-1,3-Dichloropropene	8.366	75	8497	1.654	ug/L	95
40) 4-Methyl-2-pentanone	8.574	43	15285	3.422	ug/L	98
42) Toluene	8.720	91	23747	1.807	ug/L	96
44) trans-1,3-Dichloropropene	8.976	75	7938	1.678	ug/L	96
45) 1,1,2-Trichloroethane	9.153	97	5302	1.691	ug/L	97
46) Tetrachloroethene	9.275	164	4163	1.634	ug/L	91
48) 2-Hexanone	9.433	43	14667	4.189	ug/L	93
49) Dibromochloromethane	9.519	129	4574	1.483	ug/L	90
50) 1,2-Dibromoethane	9.610	107	5760	1.751	ug/L #	97
51) Chlorobenzene	10.080	112	15695	1.853	ug/L	99
52) Ethylbenzene	10.195	91	24980	1.675	ug/L	95
53) m,p-Xylene	10.299	106	9549	1.700	ug/L	97
54) o-Xylene	10.640	106	9279	1.676	ug/L	100
55) Styrene	10.659	104	14421	1.554	ug/L	91
57) 1,1,2,2-Tetrachloroethane	11.214	83	9405	2.021	ug/L	94
59) Bromoform	10.799	173	2916	1.476	ug/L	90
60) Isopropylbenzene	10.964	105	23875	1.764	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	7041	1.981	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	18827	1.678	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	18939	1.709	ug/L	95
64) 1,3-Dichlorobenzene	11.969	146	10925	1.812	ug/L	96
65) 1,4-Dichlorobenzene	12.043	146	11620	1.906	ug/L	92
67) 1,2-Dichlorobenzene	12.335	146	11562	1.947	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.945	75	1240	1.363	ug/L #	87
69) 1,3,5-Trichlorobenzene	13.116	180	6880	1.824	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	6199	1.767	ug/L	96
71) Naphthalene	13.780	128	19186	1.601	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	6308	1.791	ug/L	93

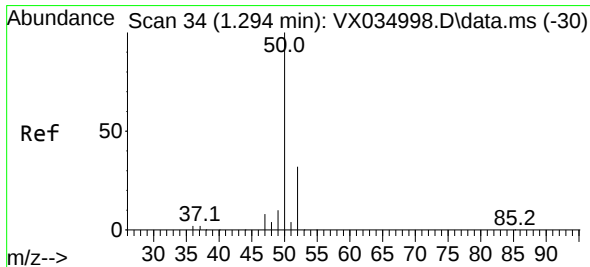
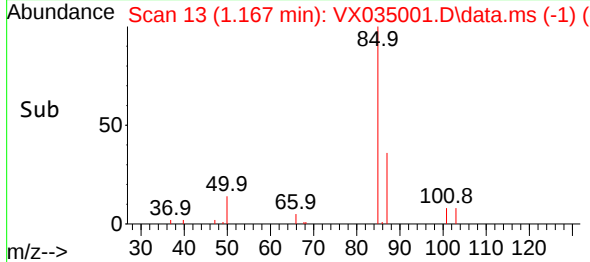
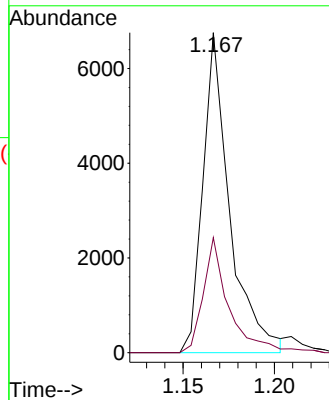
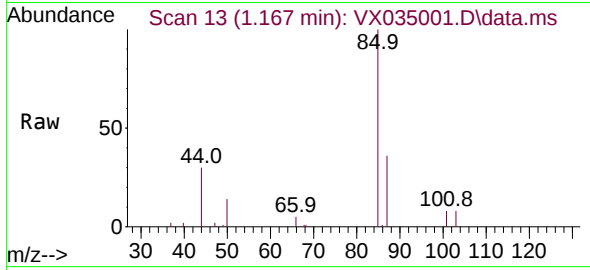
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 1.727 ug/L
RT: 1.167 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

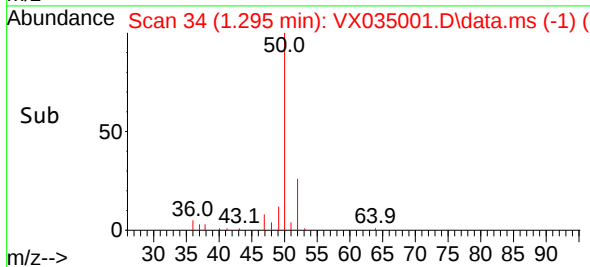
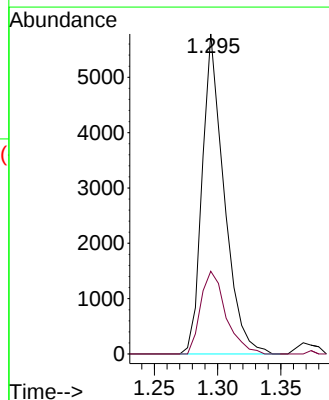
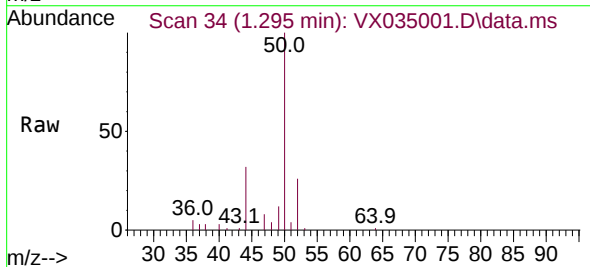
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04

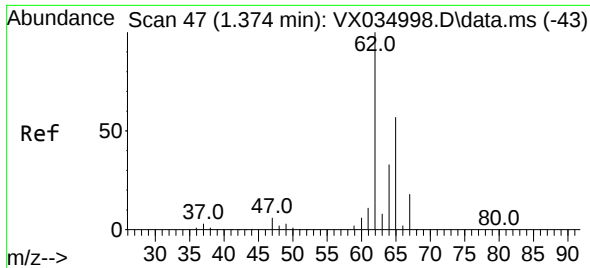
Tgt Ion: 85 Resp: 6897
Ion Ratio Lower Upper
85 100
87 34.7 25.7 38.5



#3
Chloromethane
Concen: 1.861 ug/L
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Tgt Ion: 50 Resp: 6985
Ion Ratio Lower Upper
50 100
52 25.8 22.9 42.5

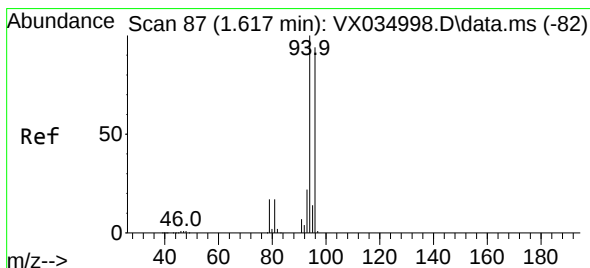
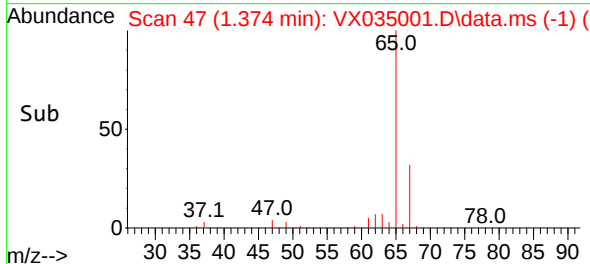
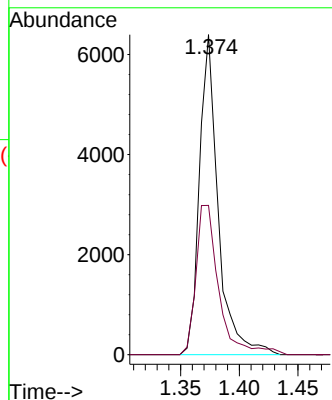
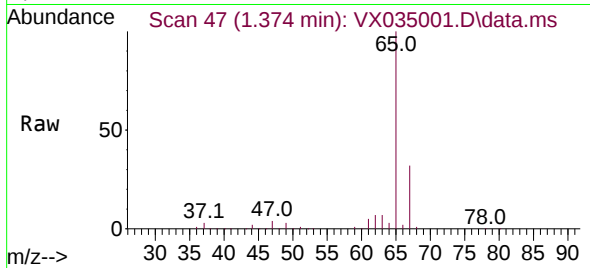




#5
 Vinyl chloride
 Concen: 1.870 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX035001.D
 Acq: 11 Apr 2023 11:02

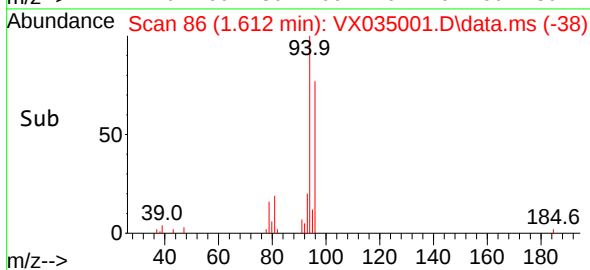
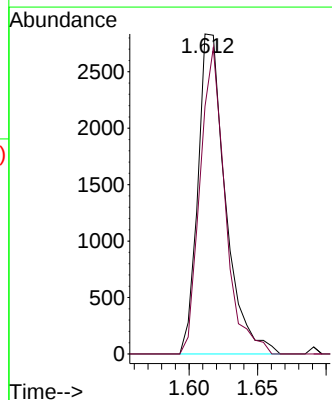
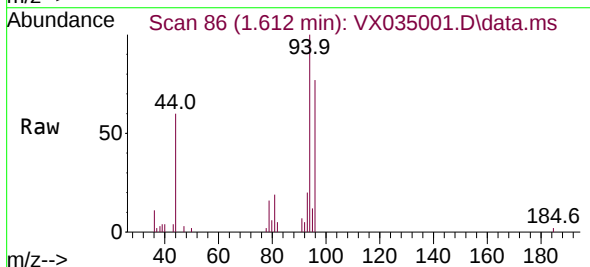
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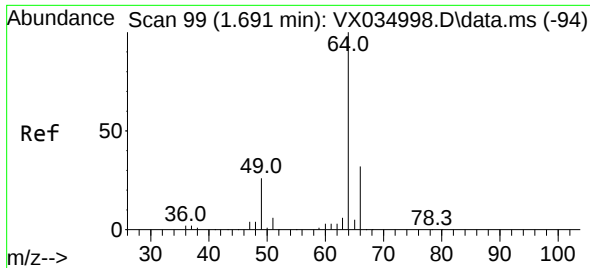
Tgt Ion: 62 Resp: 7114
 Ion Ratio Lower Upper
 62 100
 64 46.6 22.3 41.3#



#6
 Bromomethane
 Concen: 1.848 ug/L
 RT: 1.612 min Scan# 86
 Delta R.T. -0.006 min
 Lab File: VX035001.D
 Acq: 11 Apr 2023 11:02

Tgt Ion: 94 Resp: 3974
 Ion Ratio Lower Upper
 94 100
 96 77.4 66.6 123.6

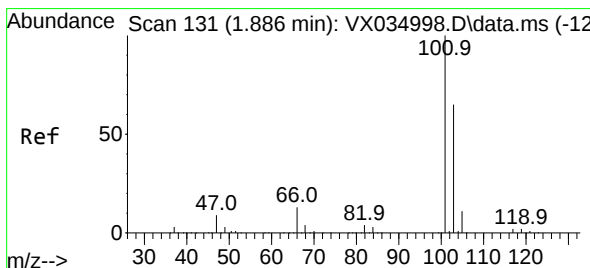
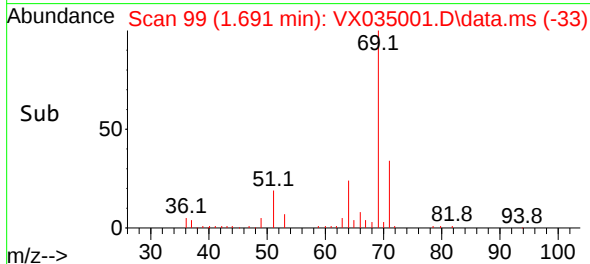
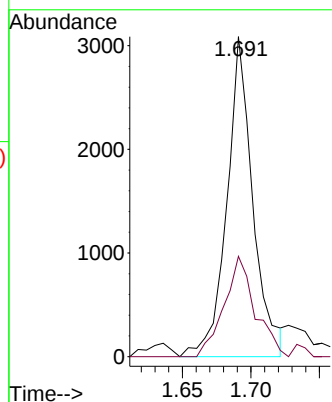
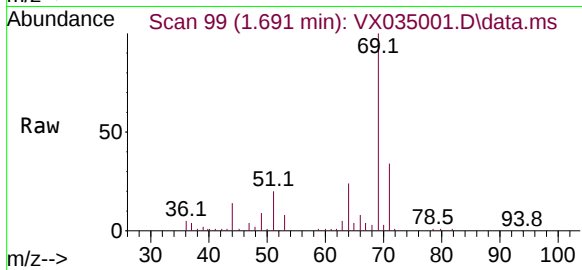




#8
Chloroethane
Concen: 1.905 ug/L
RT: 1.691 min Scan# 99
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

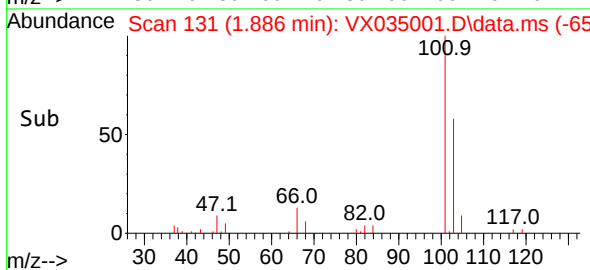
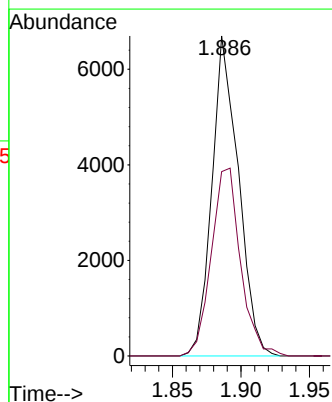
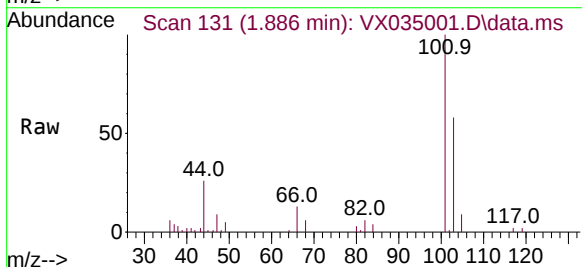
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04

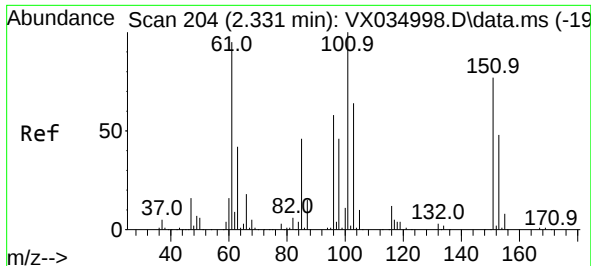
Tgt Ion: 64 Resp: 4079
Ion Ratio Lower Upper
64 100
66 31.3 21.8 40.4



#9
Trichlorofluoromethane
Concen: 1.702 ug/L
RT: 1.886 min Scan# 131
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Tgt Ion: 101 Resp: 9012
Ion Ratio Lower Upper
101 100
103 64.8 51.9 77.9





#10

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

Concen: 2.431 ug/L

RT: 2.331 min Scan# 204

Delta R.T. 0.000 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2023-04

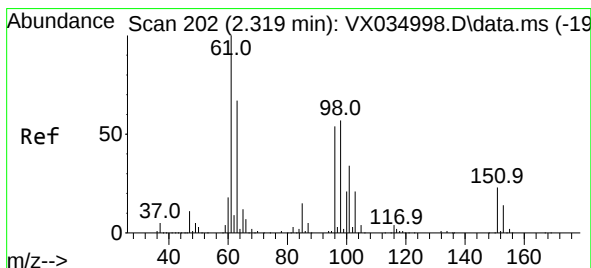
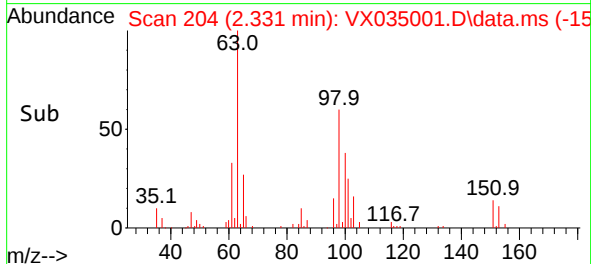
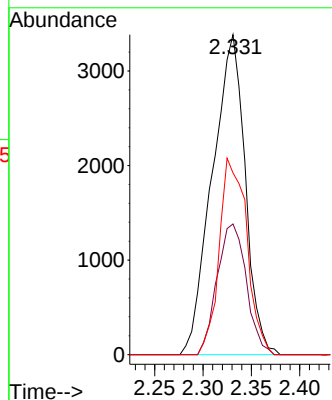
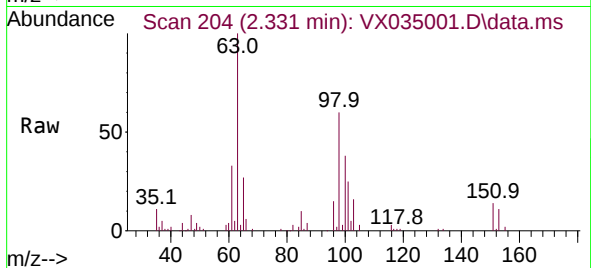
Tgt Ion:101 Resp: 7987

Ion Ratio Lower Upper

101 100

85 36.3 36.4 54.6#

151 51.5 59.7 89.5#



#12

1,1-Dichloroethene

Concen: 2.459 ug/L

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

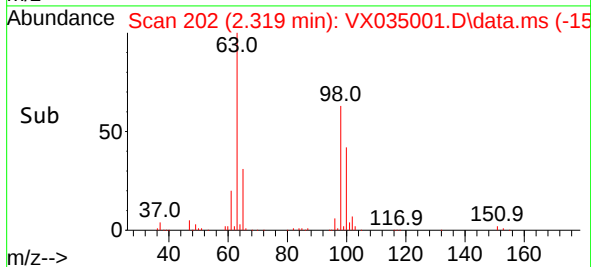
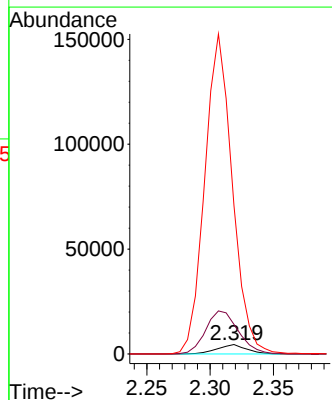
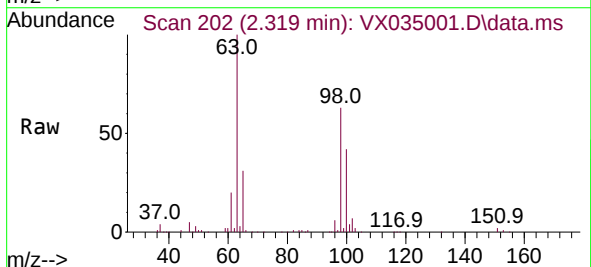
Tgt Ion: 96 Resp: 7189

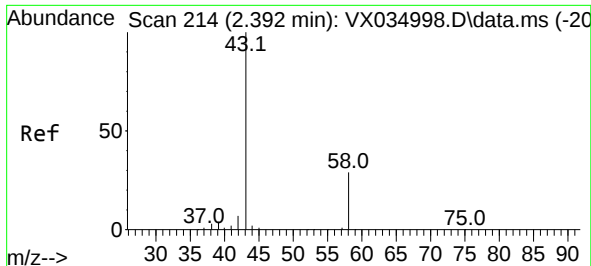
Ion Ratio Lower Upper

96 100

61 316.1 132.4 245.8#

63 1583.2 105.5 195.9#





#13

Acetone

Concen: 4.278 ug/L

RT: 2.398 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX035001.D

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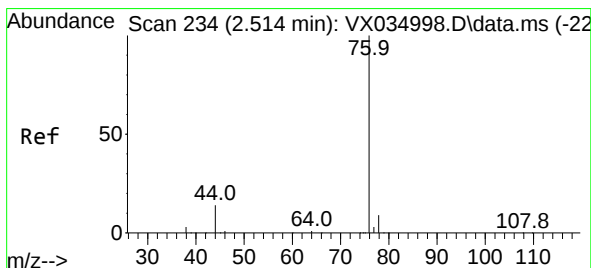
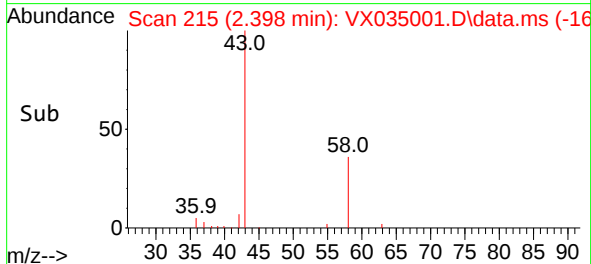
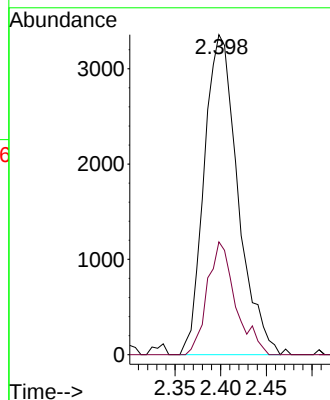
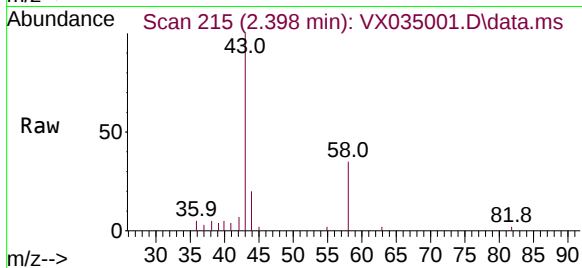
MDL-WATER-QT2-2023-04

Tgt Ion: 43 Resp: 8612

Ion Ratio Lower Upper

43 100

58 29.4 0.0 57.4



#14

Carbon disulfide

Concen: 1.577 ug/L

RT: 2.508 min Scan# 233

Delta R.T. -0.006 min

Lab File: VX035001.D

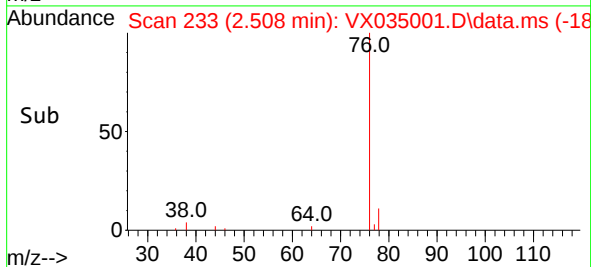
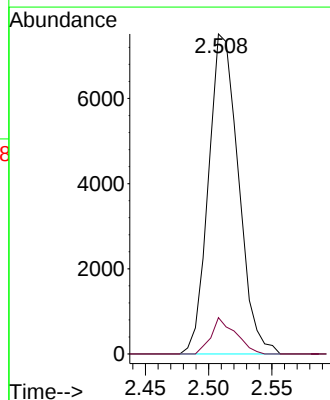
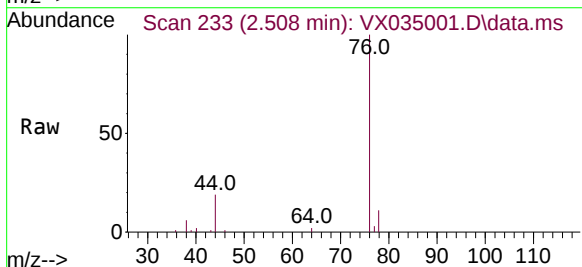
Acq: 11 Apr 2023 11:02

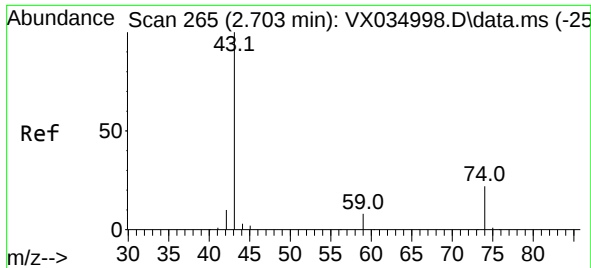
Tgt Ion: 76 Resp: 12392

Ion Ratio Lower Upper

76 100

78 11.3 7.4 11.2#

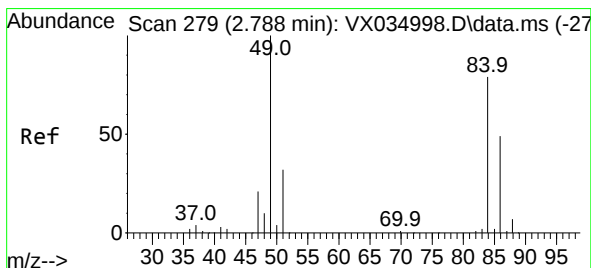
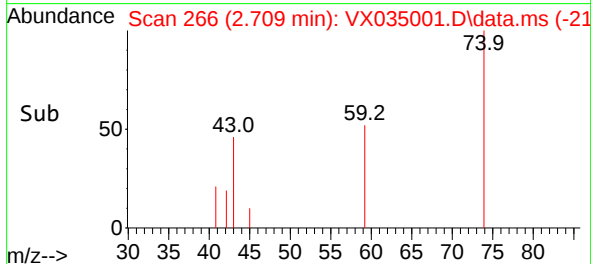
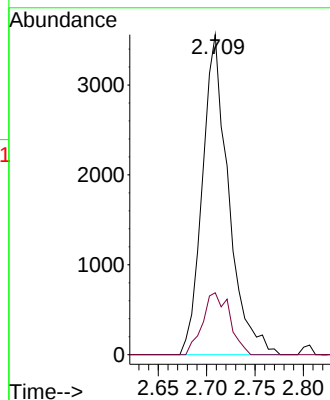
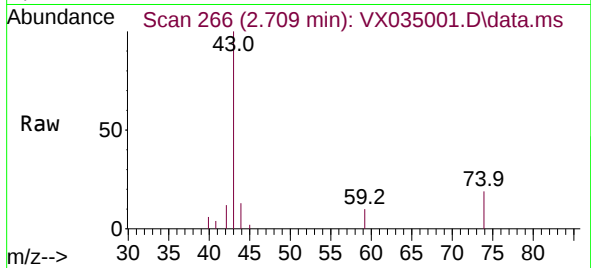




#15
Methyl Acetate
Concen: 1.941 ug/L
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

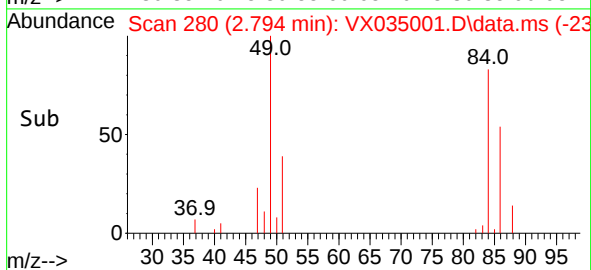
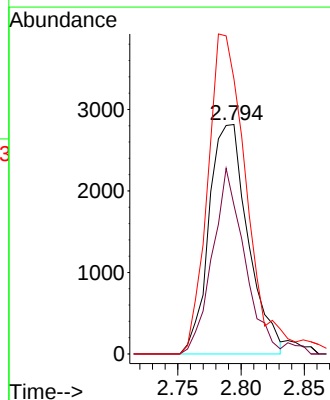
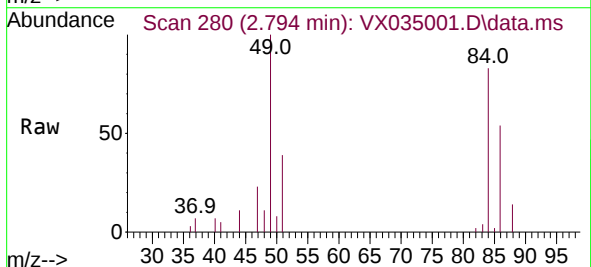
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04

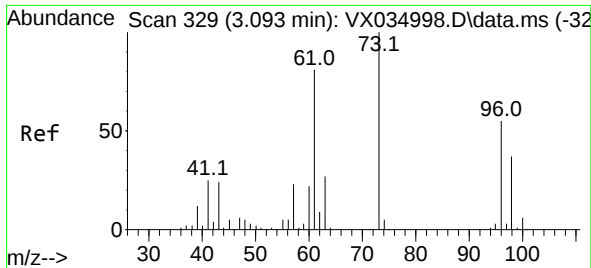
Tgt Ion: 43 Resp: 6707
Ion Ratio Lower Upper
43 100
74 20.1 17.5 26.3



#16
Methylene chloride
Concen: 1.886 ug/L
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Tgt Ion: 84 Resp: 6049
Ion Ratio Lower Upper
84 100
86 64.9 44.7 82.9
49 119.8 92.3 171.5

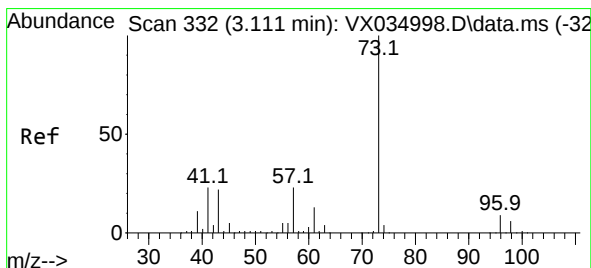
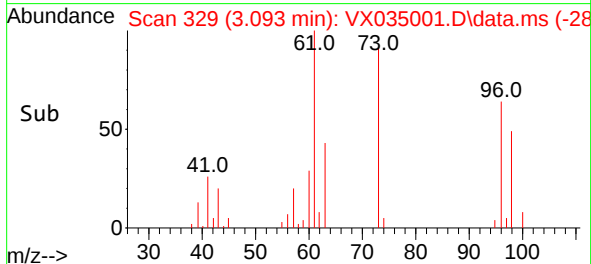
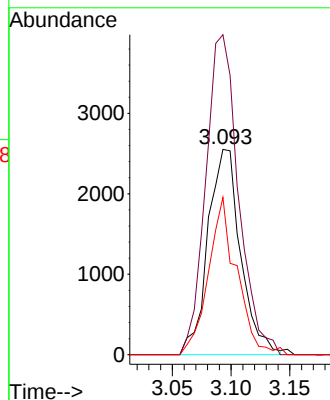
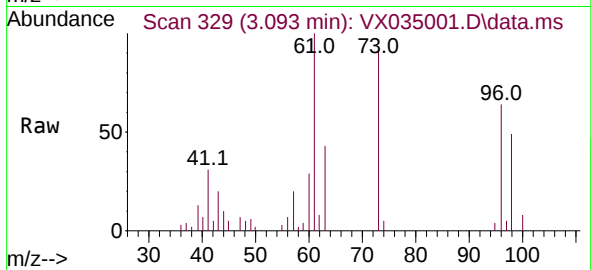




#17
trans-1,2-Dichloroethene
Concen: 1.642 ug/L
RT: 3.093 min Scan# 329
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

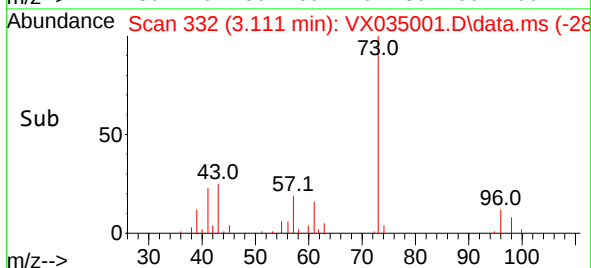
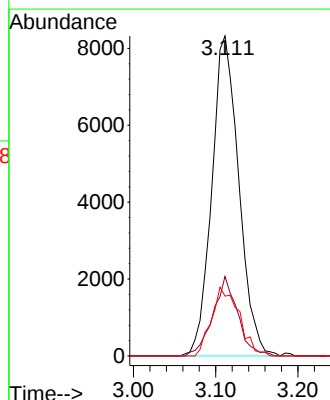
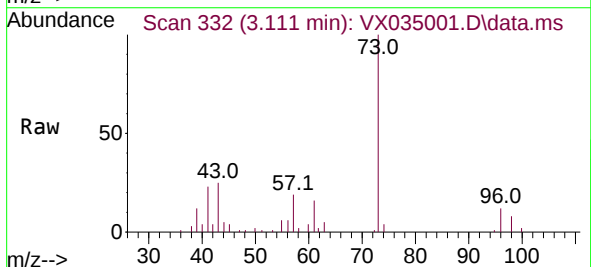
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04

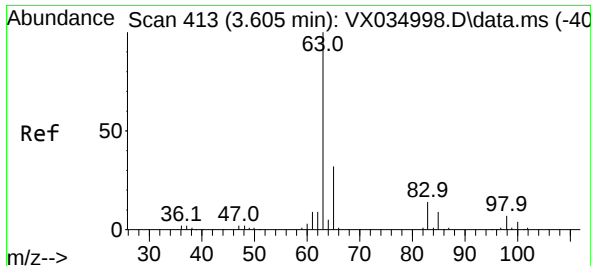
Tgt Ion: 96 Resp: 4938
Ion Ratio Lower Upper
96 100
61 155.8 102.0 189.4
98 76.6 44.2 82.0



#18
Methyl tert-butyl Ether
Concen: 1.812 ug/L
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Tgt Ion: 73 Resp: 19039
Ion Ratio Lower Upper
73 100
43 22.7 18.2 27.2
57 21.8 17.7 26.5





#19

1,1-Dichloroethane

Concen: 1.744 ug/L

RT: 3.605 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2023-04

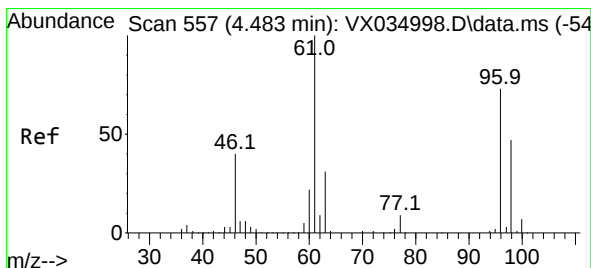
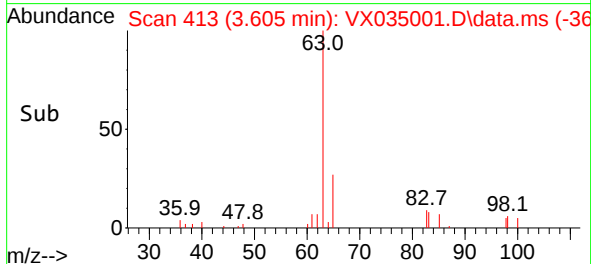
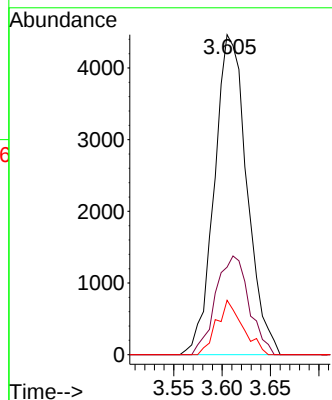
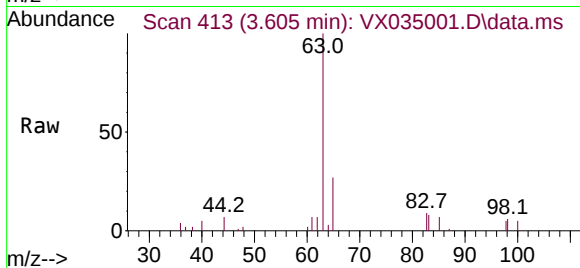
Tgt Ion: 63 Resp: 10439

Ion Ratio Lower Upper

63 100

65 27.3 22.1 41.1

83 17.0 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 1.760 ug/L

RT: 4.477 min Scan# 556

Delta R.T. -0.006 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

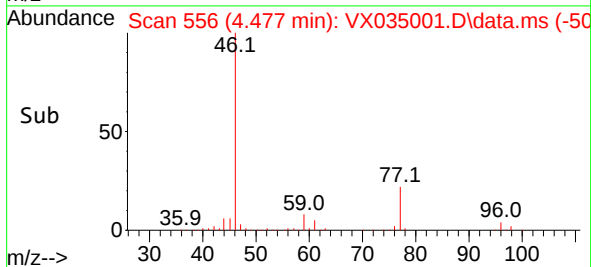
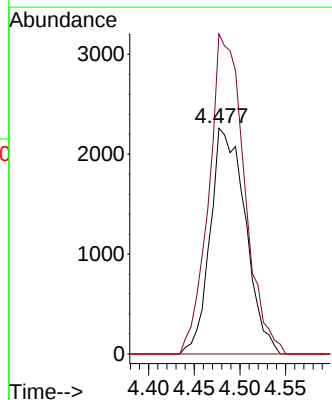
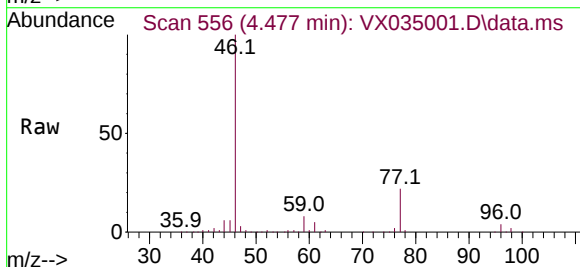
Tgt Ion: 96 Resp: 6054

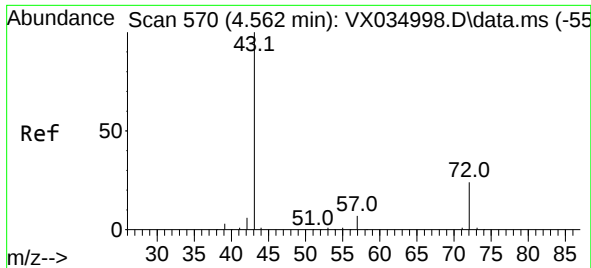
Ion Ratio Lower Upper

96 100

61 141.7 95.7 177.7

68 0.0 0.0 0.0

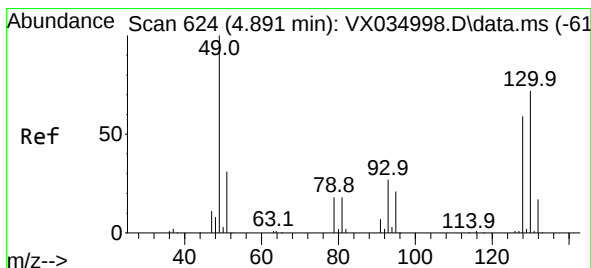
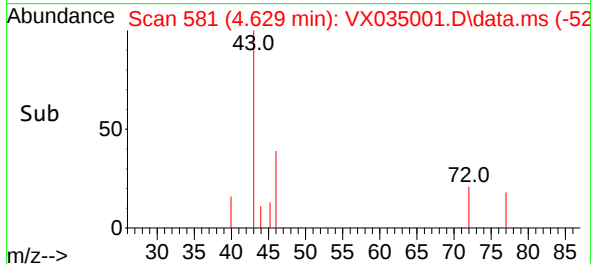
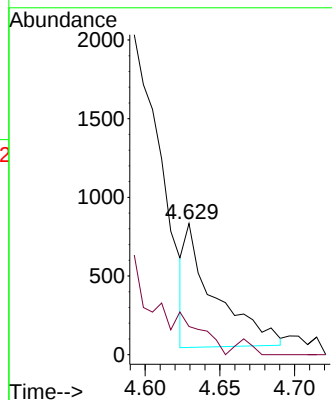
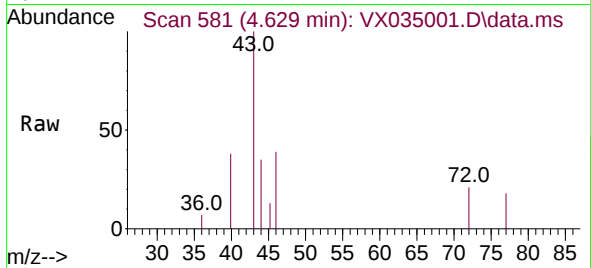




#22
2-Butanone
Concen: 0.426 ug/L
RT: 4.629 min Scan# 581
Delta R.T. 0.067 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

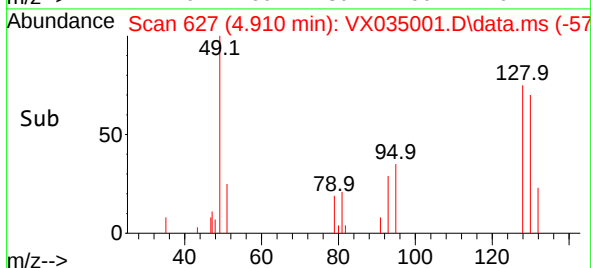
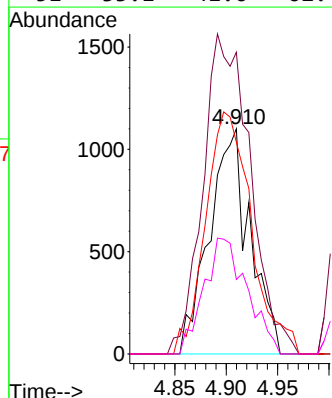
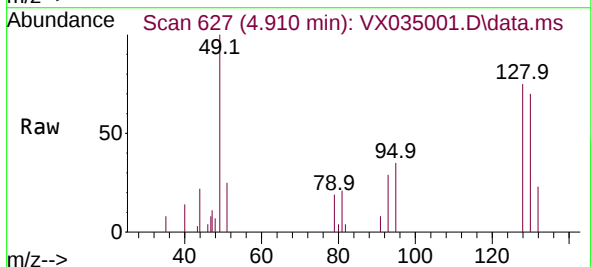
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04

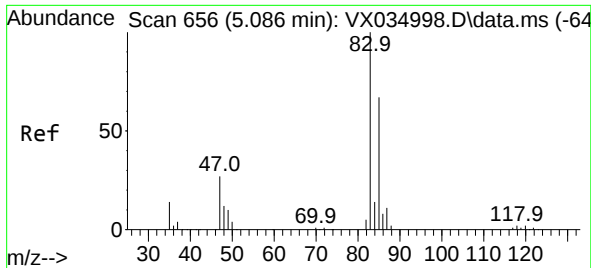
Tgt Ion: 43 Resp: 1095
Ion Ratio Lower Upper
43 100
72 28.6 11.5 34.5



#23
Bromochloromethane
Concen: 1.775 ug/L
RT: 4.910 min Scan# 627
Delta R.T. 0.019 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Tgt Ion: 128 Resp: 3020
Ion Ratio Lower Upper
128 100
49 134.1 123.9 230.1
130 94.1 92.1 171.1
51 33.1 41.6 62.4#

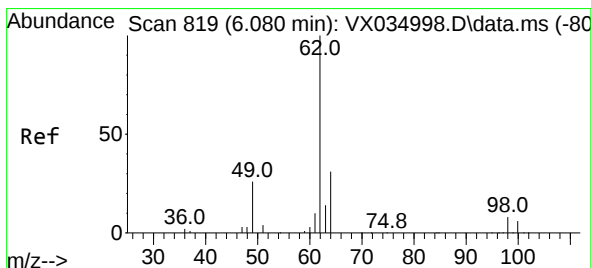
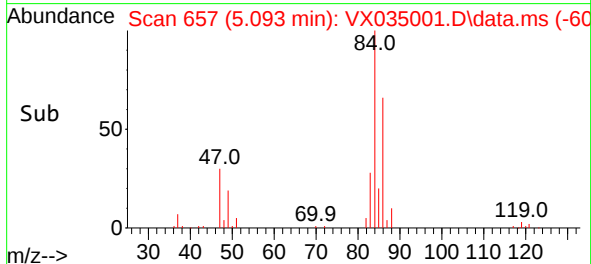
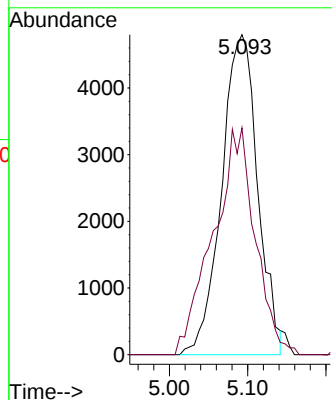
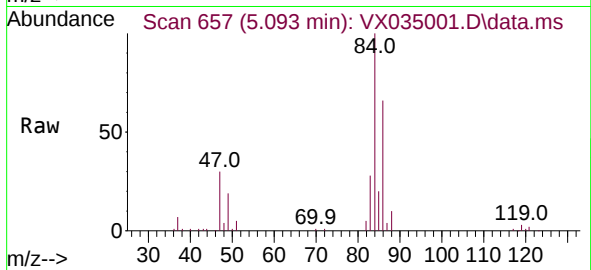




#25
Chloroform
Concen: 2.505 ug/L
RT: 5.093 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

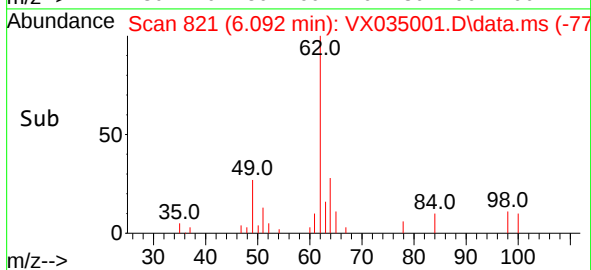
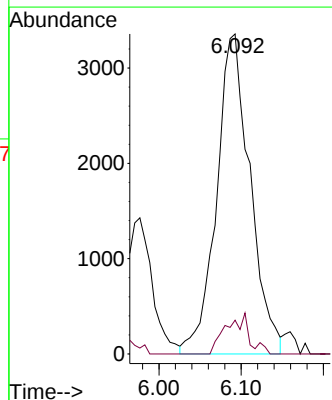
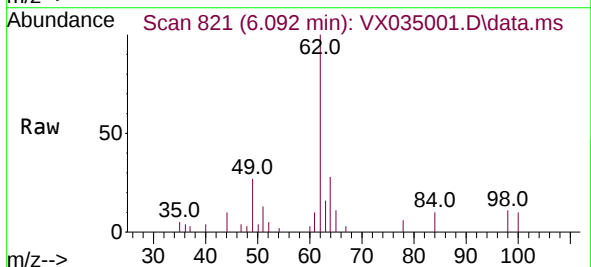
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04

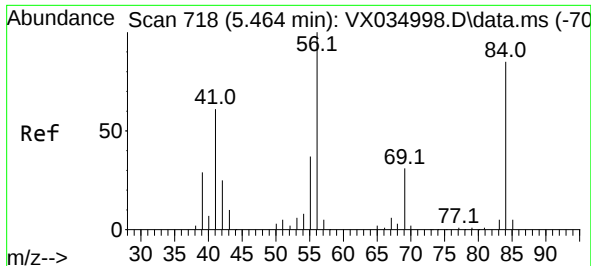
Tgt Ion: 83 Resp: 15380
Ion Ratio Lower Upper
83 100
85 70.9 45.1 83.9



#27
1,2-Dichloroethane
Concen: 1.832 ug/L
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Tgt Ion: 62 Resp: 9528
Ion Ratio Lower Upper
62 100
98 10.5 7.0 10.6





#29

Cyclohexane

Concen: 1.778 ug/L

RT: 5.471 min Scan# 718

Delta R.T. 0.006 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2023-04

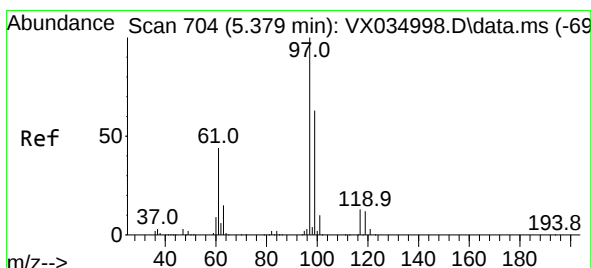
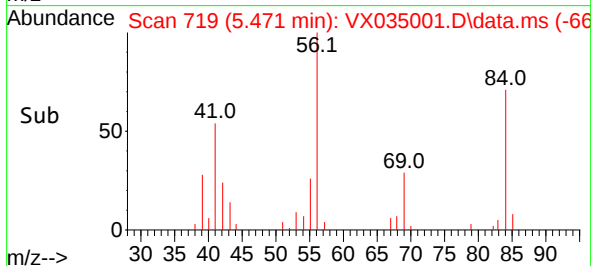
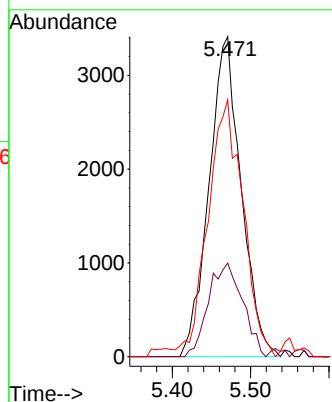
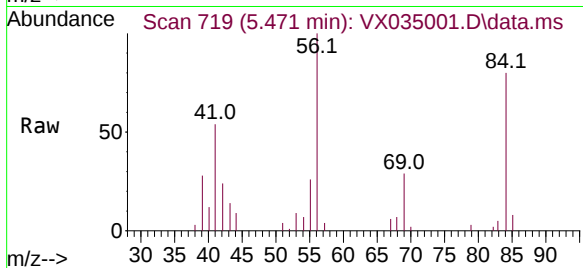
Tgt Ion: 56 Resp: 9725

Ion Ratio Lower Upper

56 100

69 19.5 24.5 36.7#

84 87.4 69.4 104.2



#30

1,1,1-Trichloroethane

Concen: 1.616 ug/L

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

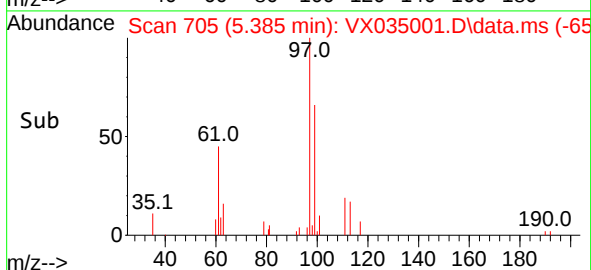
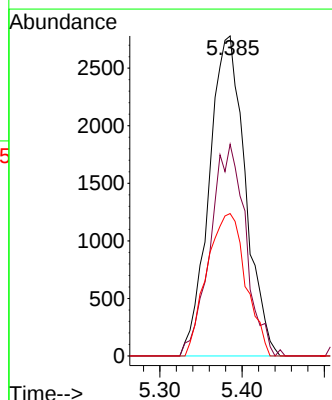
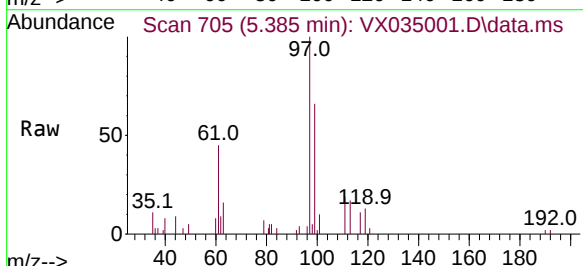
Tgt Ion: 97 Resp: 8502

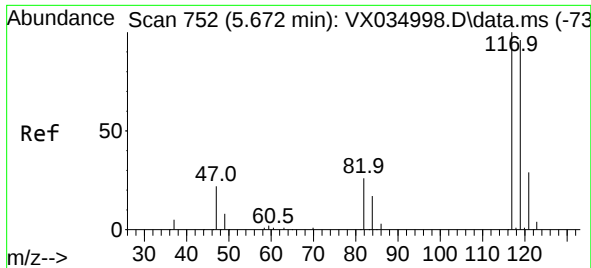
Ion Ratio Lower Upper

97 100

99 64.5 51.0 76.4

61 47.9 36.8 55.2

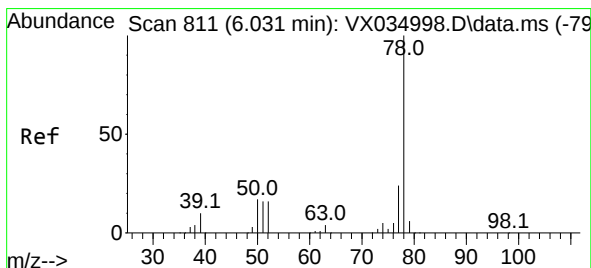
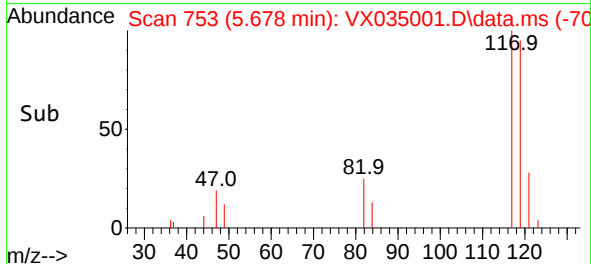
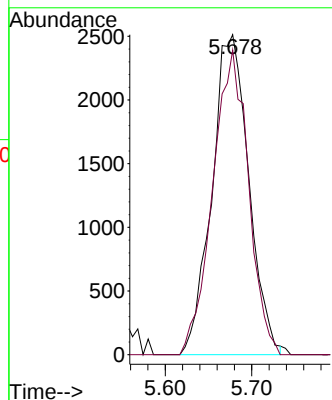
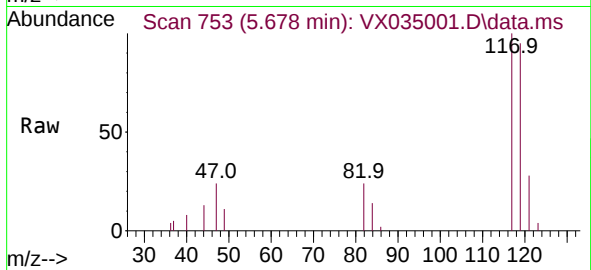




#31
Carbon tetrachloride
Concen: 1.637 ug/L
RT: 5.678 min Scan# 711
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

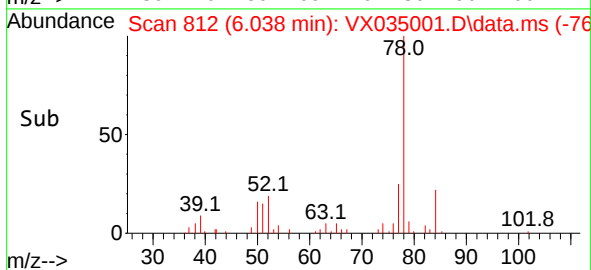
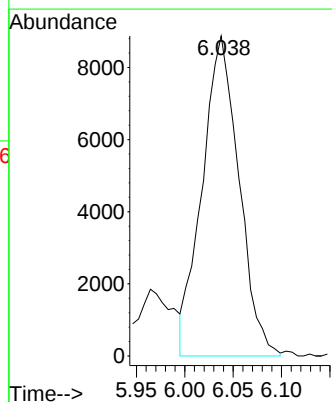
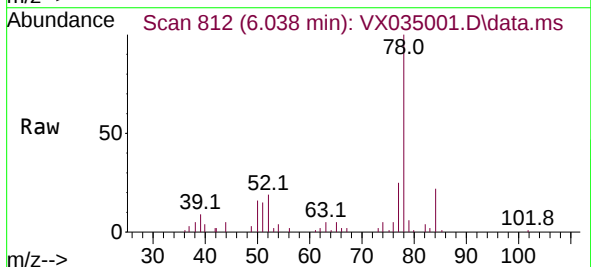
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04

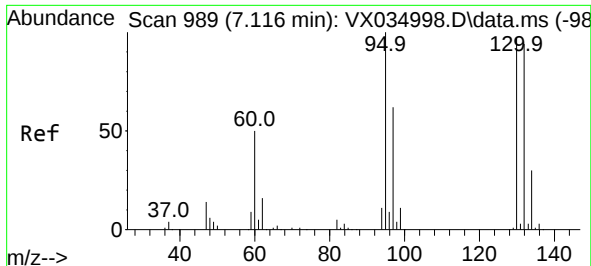
Tgt Ion:117 Resp: 7424
Ion Ratio Lower Upper
117 100
119 92.3 76.7 115.1



#33
Benzene
Concen: 1.848 ug/L
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Tgt Ion: 78 Resp: 23450



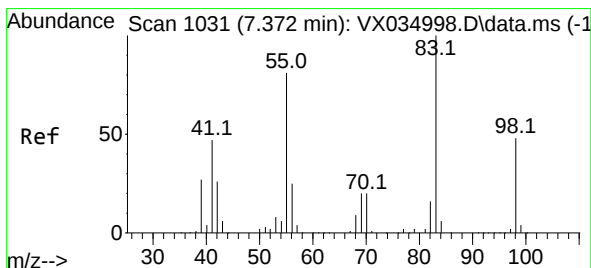
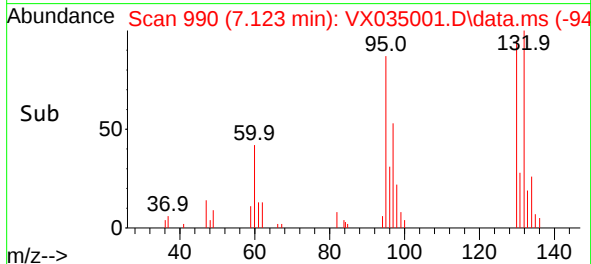
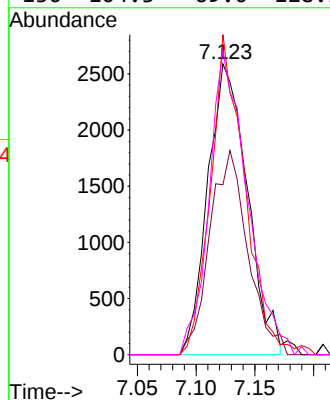
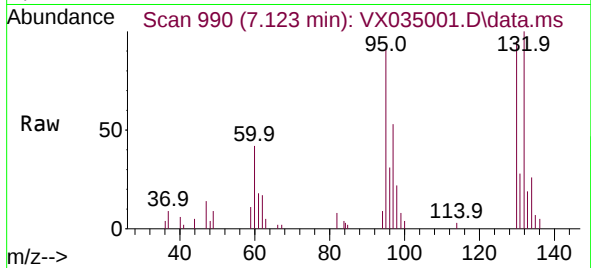


#34
Trichloroethene
Concen: 1.773 ug/L
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04

Tgt Ion: 95 Resp: 6066

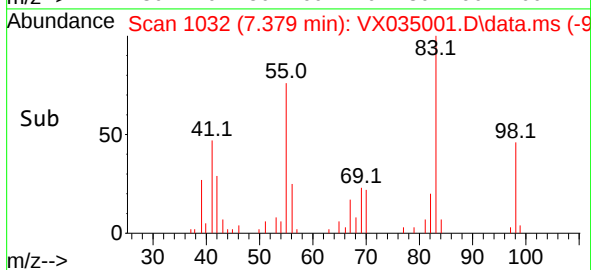
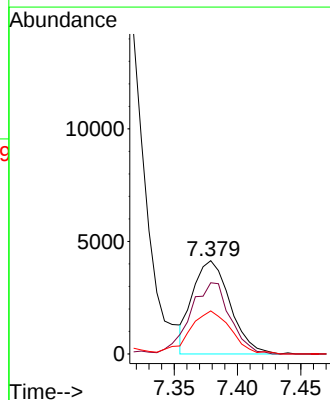
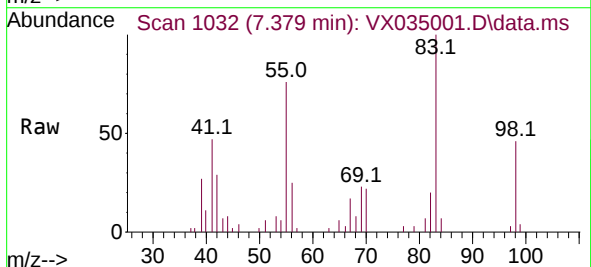
Ion	Ratio	Lower	Upper
95	100		
97	58.4	45.4	84.2
132	110.0	66.8	124.0
130	104.3	69.0	128.1

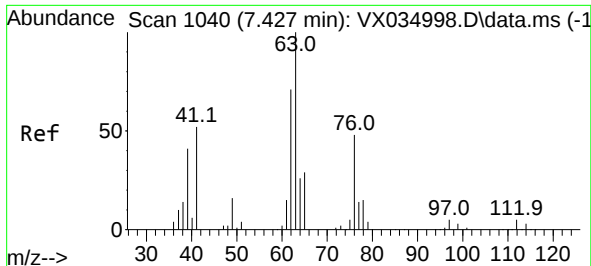


#35
Methylcyclohexane
Concen: 1.728 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Tgt Ion: 83 Resp: 8521

Ion	Ratio	Lower	Upper
83	100		
55	81.0	65.0	97.6
98	49.9	38.7	58.1





#37

1,2-Dichloropropane

Concen: 1.815 ug/L

RT: 7.434 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

Instrument :

MSVOA_X

ClientSampleId :

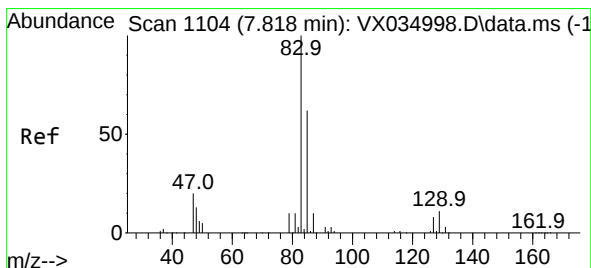
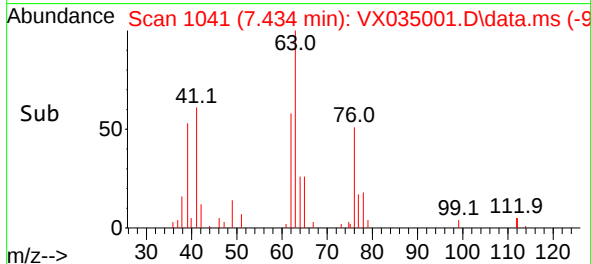
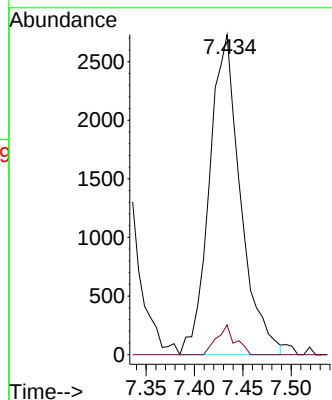
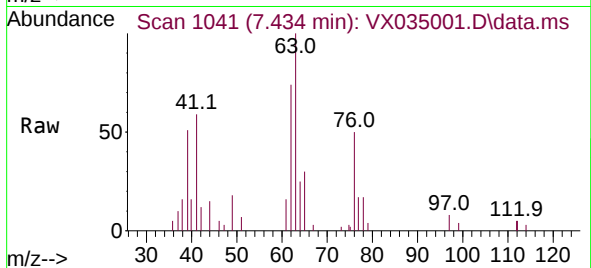
MDL-WATER-QT2-2023-04

Tgt Ion: 63 Resp: 6100

Ion Ratio Lower Upper

63 100

112 4.3 3.6 5.4



#38

Bromodichloromethane

Concen: 1.571 ug/L

RT: 7.824 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

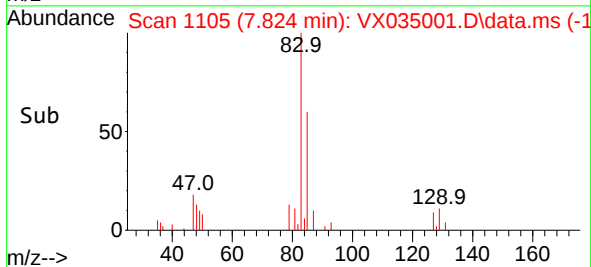
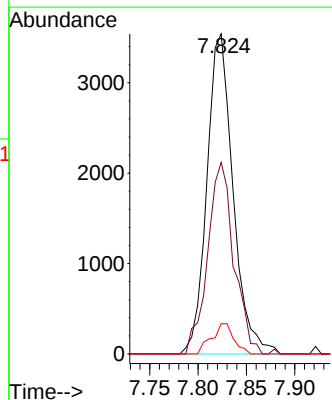
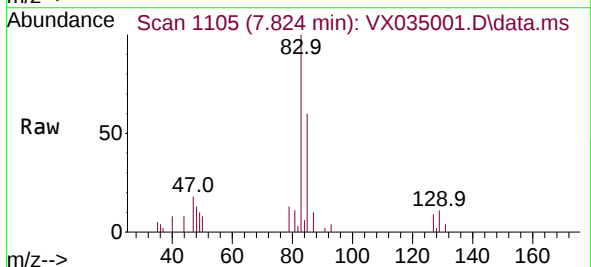
Tgt Ion: 83 Resp: 6682

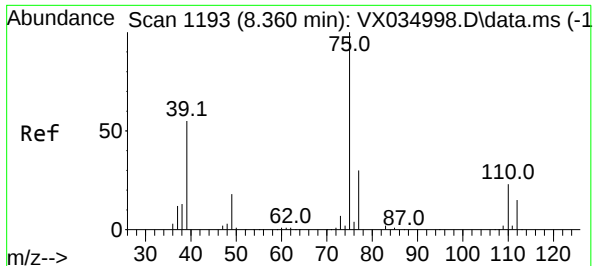
Ion Ratio Lower Upper

83 100

85 59.8 45.6 84.6

127 9.4 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 1.654 ug/L

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

Instrument :

MSVOA_X

ClientSampleId :

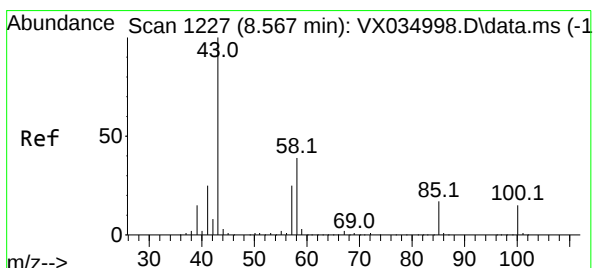
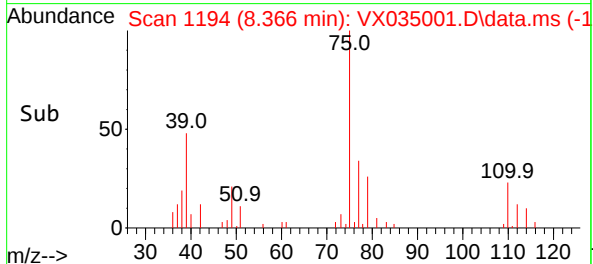
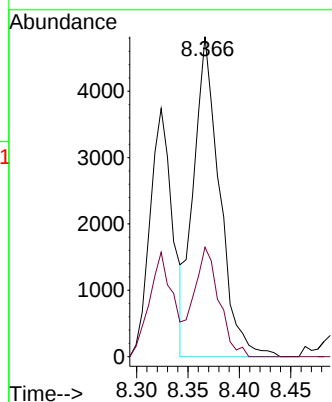
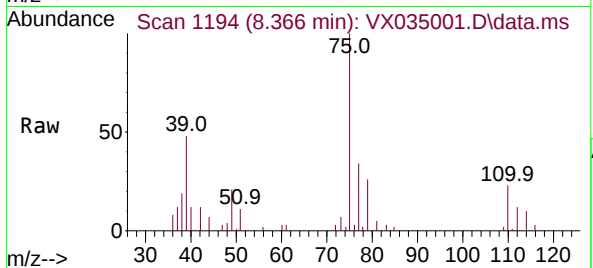
MDL-WATER-QT2-2023-04

Tgt Ion: 75 Resp: 8497

Ion Ratio Lower Upper

75 100

77 34.2 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 3.422 ug/L

RT: 8.574 min Scan# 1228

Delta R.T. 0.006 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

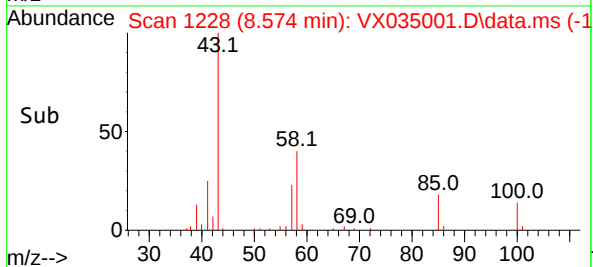
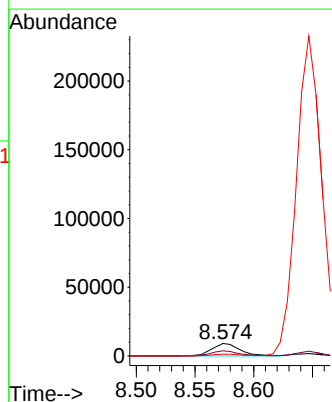
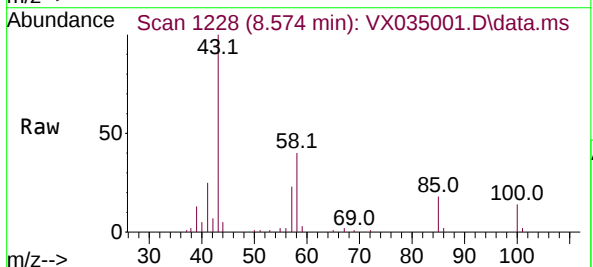
Tgt Ion: 43 Resp: 15285

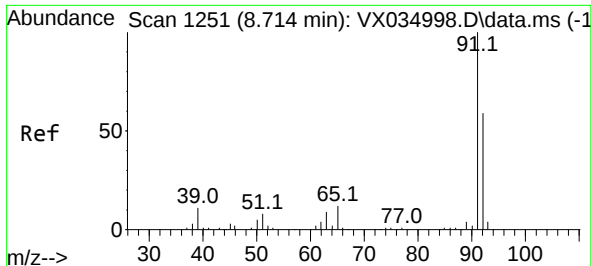
Ion Ratio Lower Upper

43 100

58 39.5 30.1 45.1

100 14.8 11.9 17.9





#42

Toluene

Concen: 1.807 ug/L

RT: 8.720 min Scan# 1251

Delta R.T. 0.006 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

Instrument :

MSVOA_X

ClientSampleId :

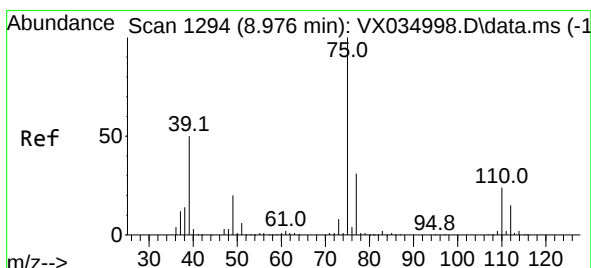
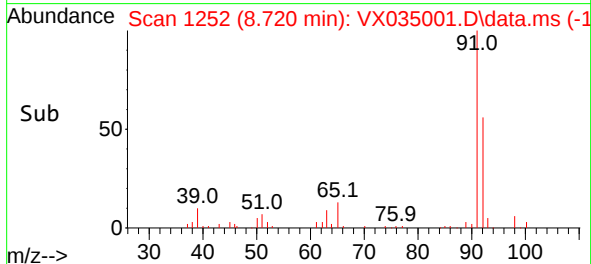
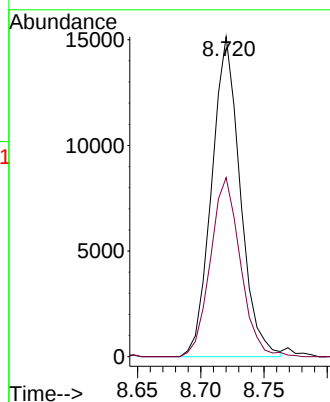
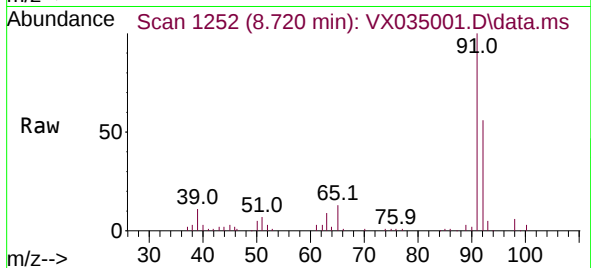
MDL-WATER-QT2-2023-04

Tgt Ion: 91 Resp: 23747

Ion Ratio Lower Upper

91 100

92 56.0 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 1.678 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX035001.D

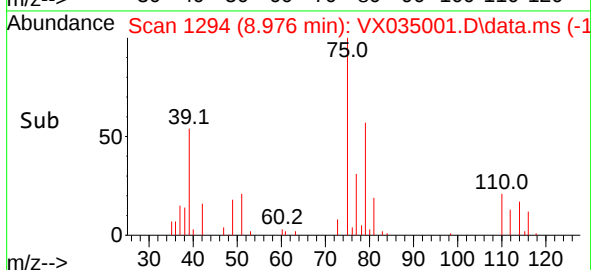
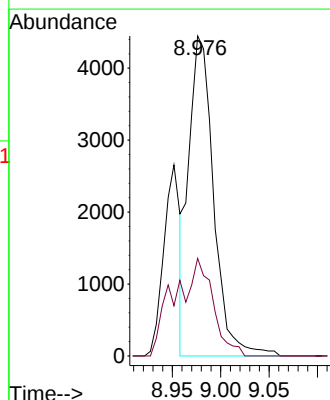
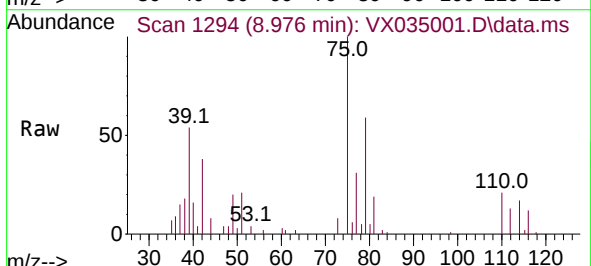
Acq: 11 Apr 2023 11:02

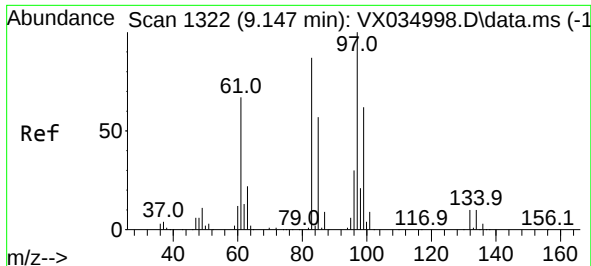
Tgt Ion: 75 Resp: 7938

Ion Ratio Lower Upper

75 100

77 30.5 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 1.691 ug/L

RT: 9.153 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2023-04

Tgt Ion: 97 Resp: 5302

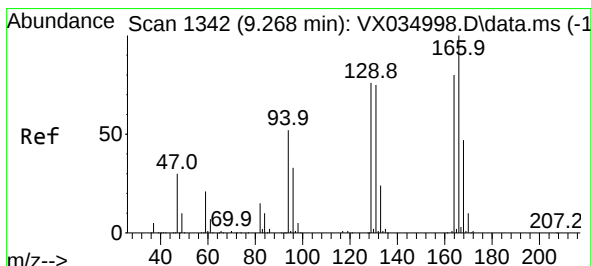
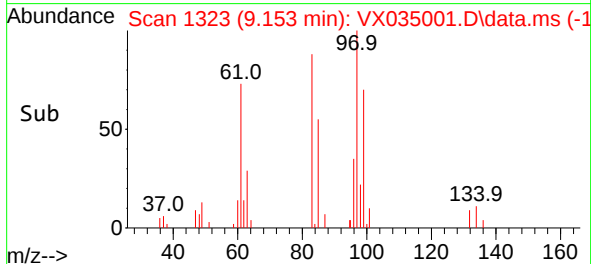
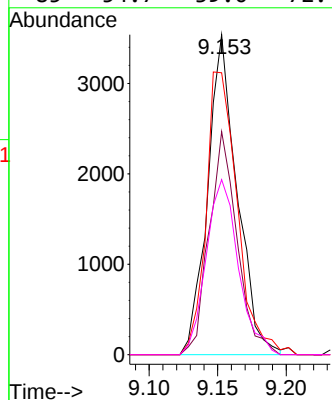
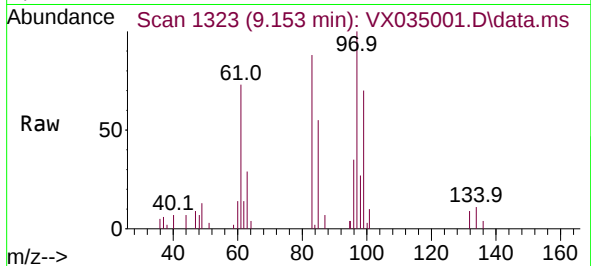
Ion Ratio Lower Upper

97 100

99 69.7 44.8 83.2

83 88.1 60.5 112.3

85 54.7 39.0 72.4



#46

Tetrachloroethene

Concen: 1.634 ug/L

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

Tgt Ion:164 Resp: 4163

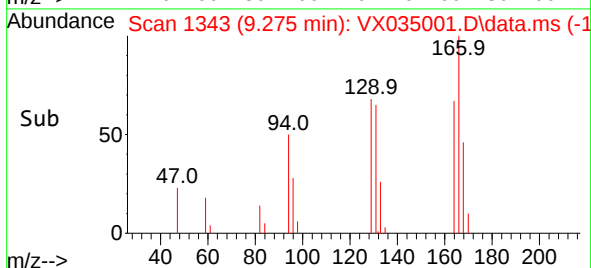
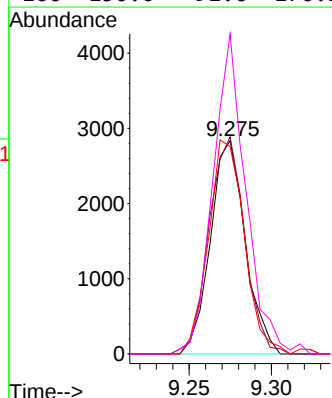
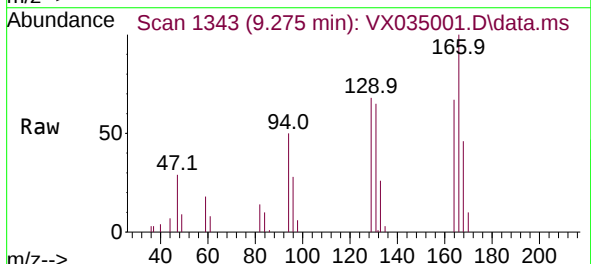
Ion Ratio Lower Upper

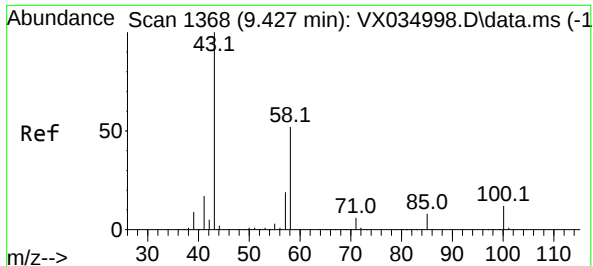
164 100

129 101.8 67.7 125.7

131 97.2 65.8 122.2

166 150.0 91.6 170.2

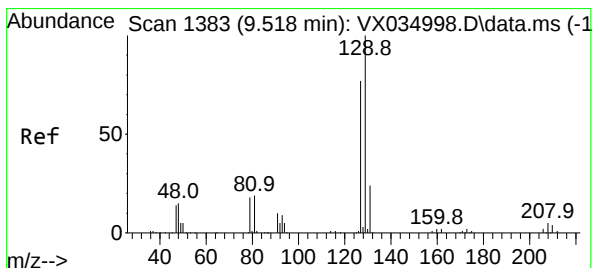
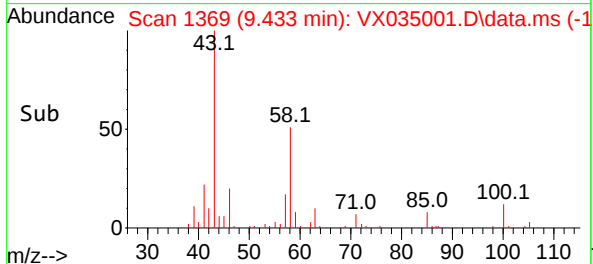
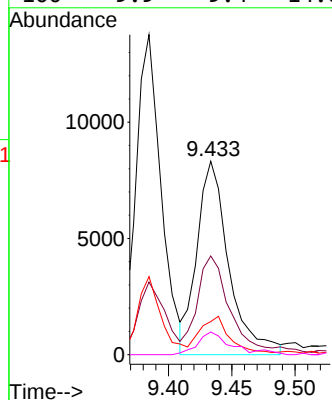
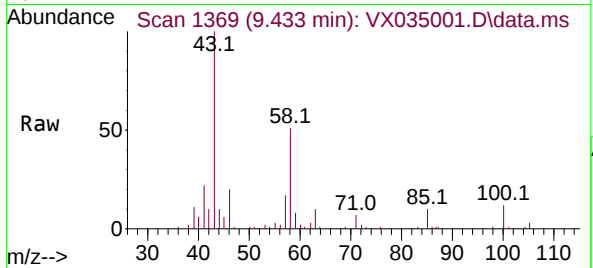




#48
2-Hexanone
Concen: 4.189 ug/L
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

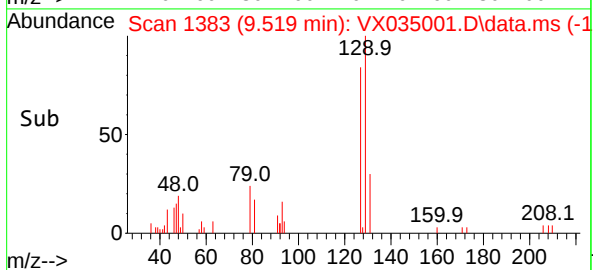
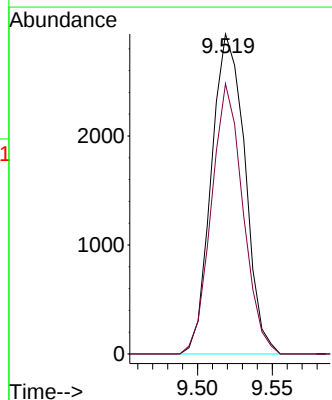
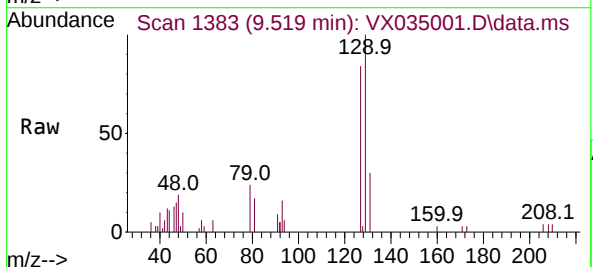
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT2-2023-04

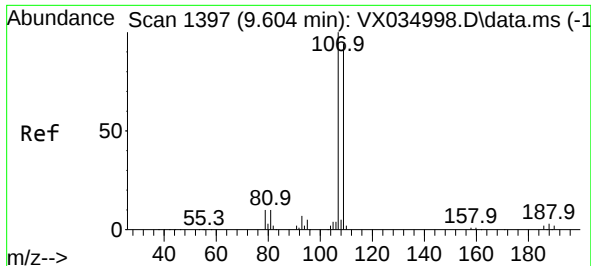
Tgt Ion:	43	Resp:	14667
Ion	Ratio	Lower	Upper
43	100		
58	45.6	42.1	63.1
57	18.7	15.0	22.6
100	9.9	9.4	14.0



#49
Dibromochloromethane
Concen: 1.483 ug/L
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Tgt Ion:	129	Resp:	4574
Ion	Ratio	Lower	Upper
129	100		
127	87.1	55.0	102.2





#50

1,2-Dibromoethane

Concen: 1.751 ug/L

RT: 9.610 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

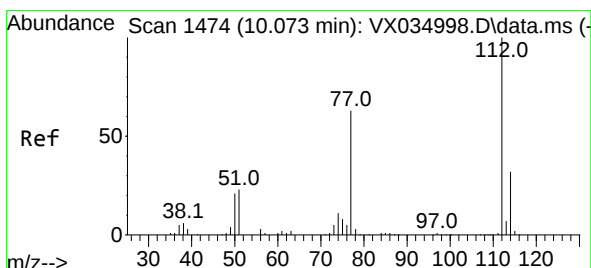
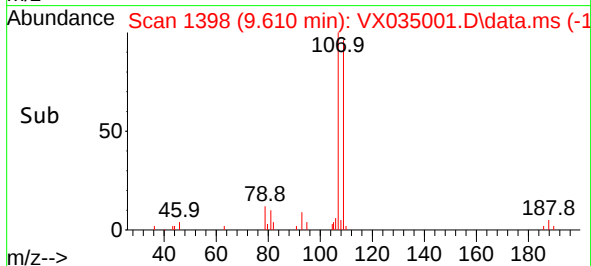
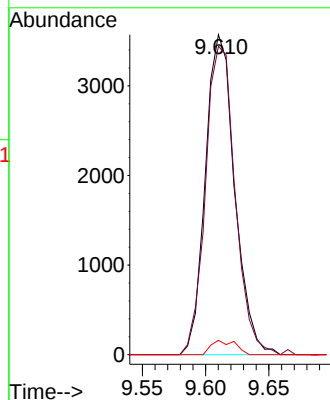
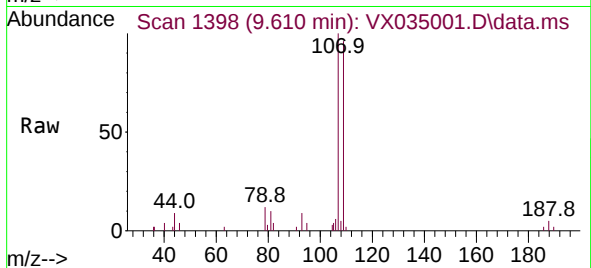
Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2023-04

Tgt Ion:	107	Resp:	5760
Ion	Ratio	Lower	Upper
107	100		
109	96.4	65.4	121.4
188	4.5	2.7	4.1#



#51

Chlorobenzene

Concen: 1.853 ug/L

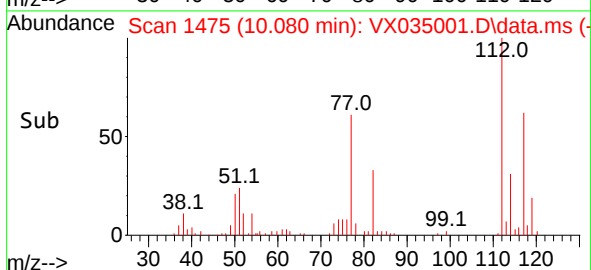
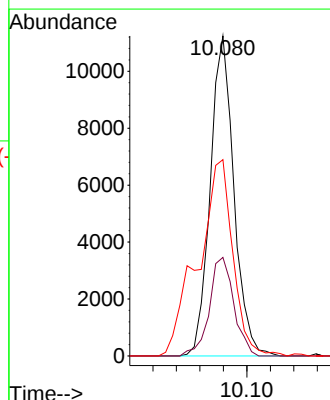
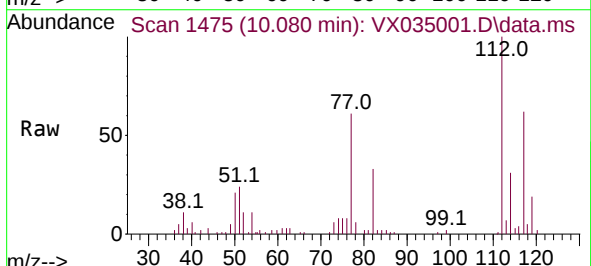
RT: 10.080 min Scan# 1475

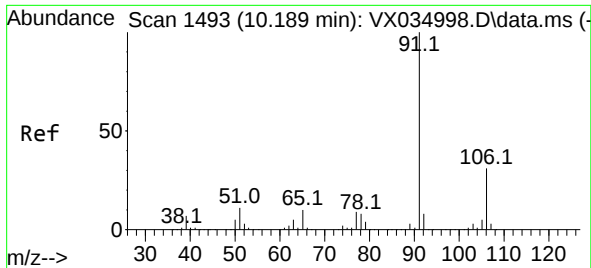
Delta R.T. 0.006 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

Tgt Ion:	112	Resp:	15695
Ion	Ratio	Lower	Upper
112	100		
114	30.8	22.6	42.0
77	61.4	48.8	73.2

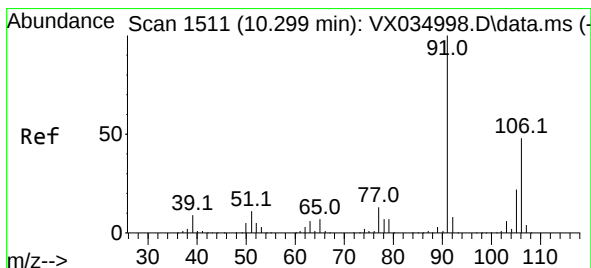
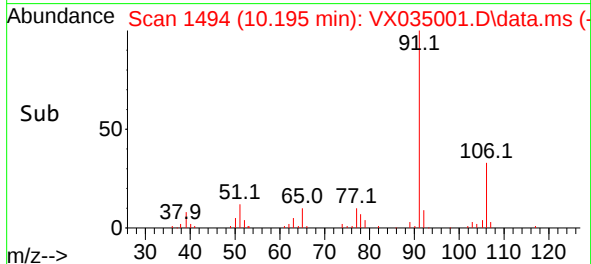
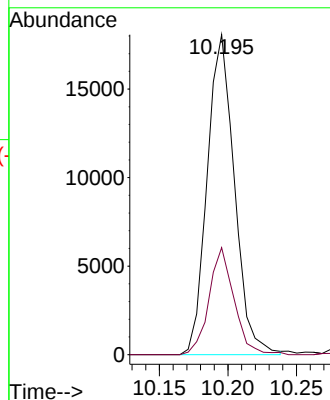
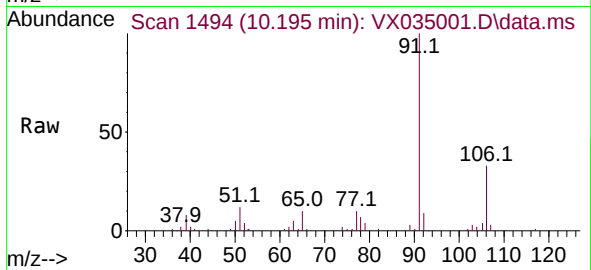




#52
Ethylbenzene
Concen: 1.675 ug/L
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

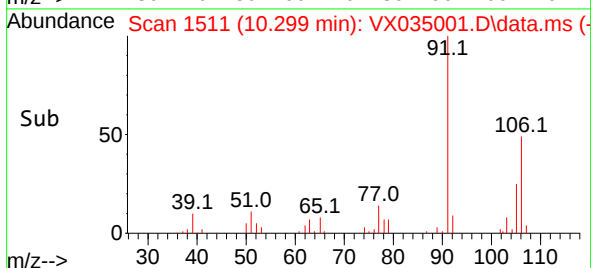
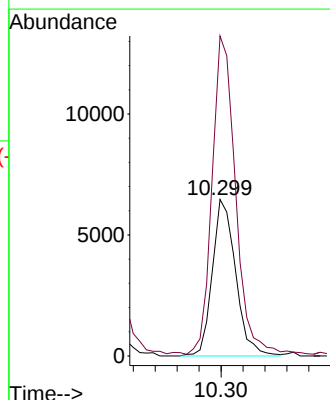
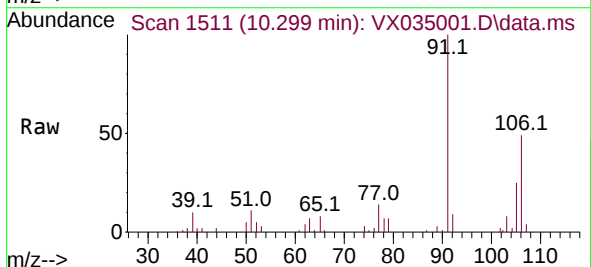
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04

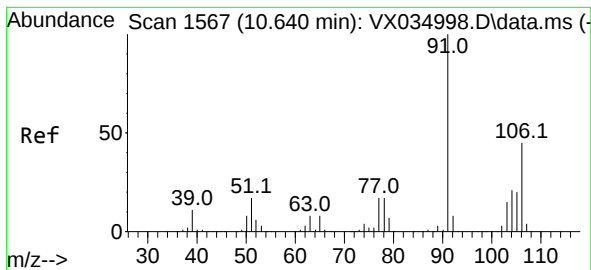
Tgt Ion: 91 Resp: 24980
Ion Ratio Lower Upper
91 100
106 33.5 21.3 39.6



#53
m,p-Xylene
Concen: 1.700 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Tgt Ion:106 Resp: 9549
Ion Ratio Lower Upper
106 100
91 204.4 146.4 272.0





#54

o-Xylene

Concen: 1.676 ug/L

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

Instrument :

MSVOA_X

ClientSampleId :

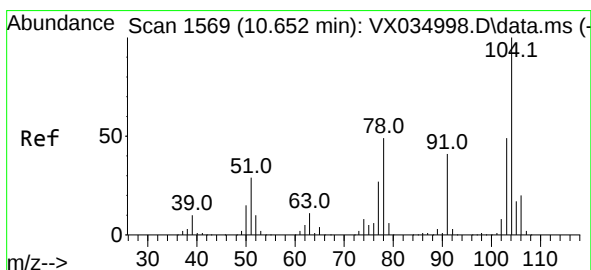
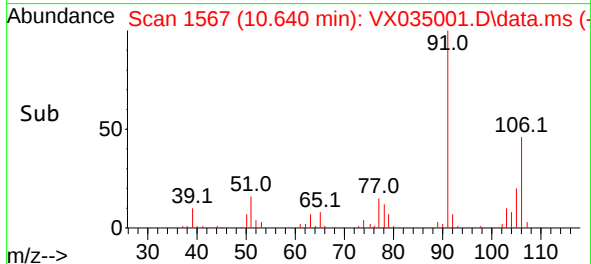
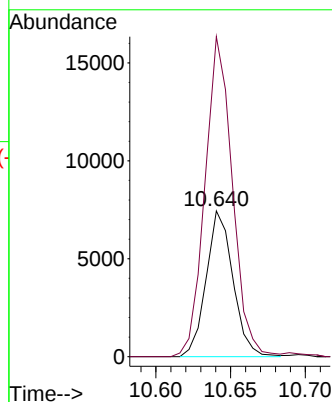
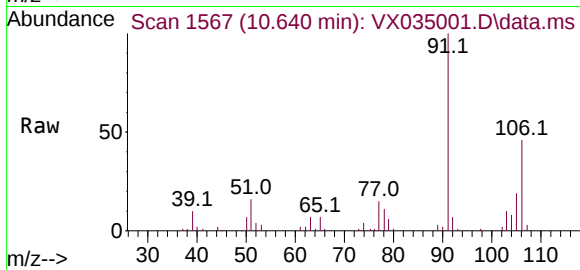
MDL-WATER-QT2-2023-04

Tgt Ion:106 Resp: 9279

Ion Ratio Lower Upper

106 100

91 219.6 154.0 286.0



#55

Styrene

Concen: 1.554 ug/L

RT: 10.659 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX035001.D

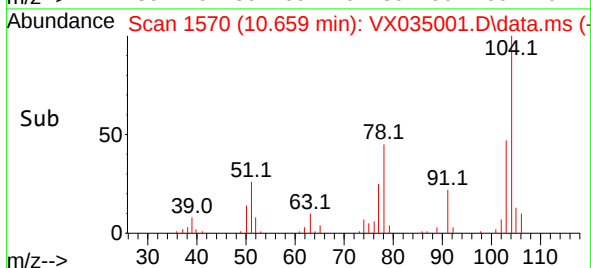
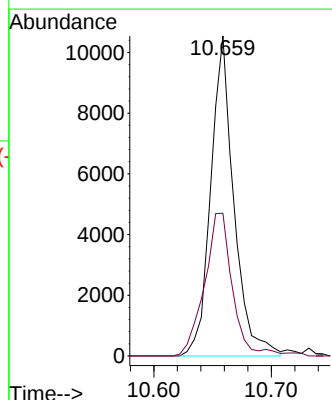
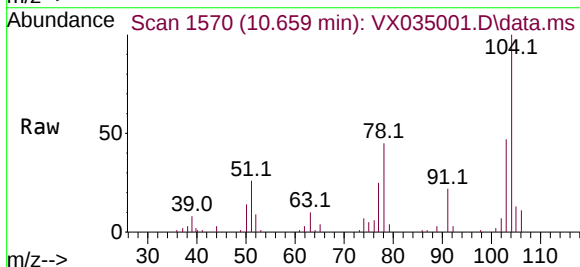
Acq: 11 Apr 2023 11:02

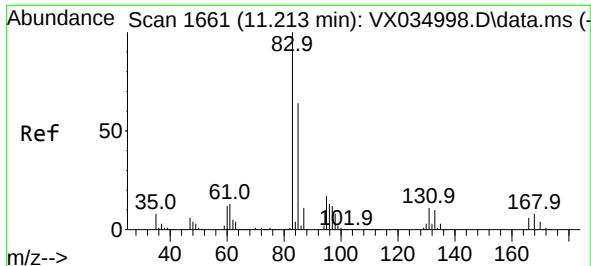
Tgt Ion:104 Resp: 14421

Ion Ratio Lower Upper

104 100

78 44.6 35.4 65.8

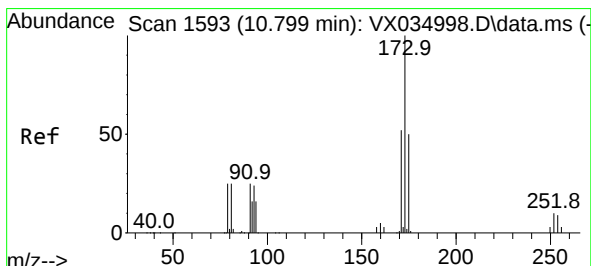
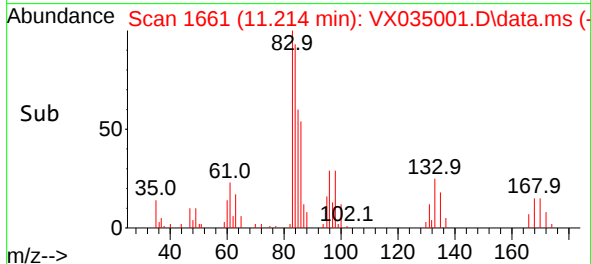
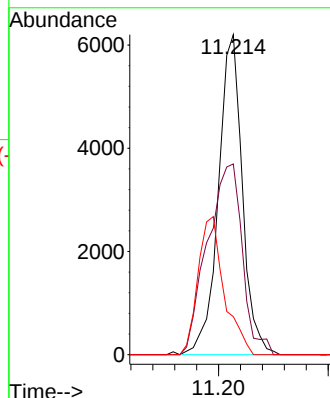
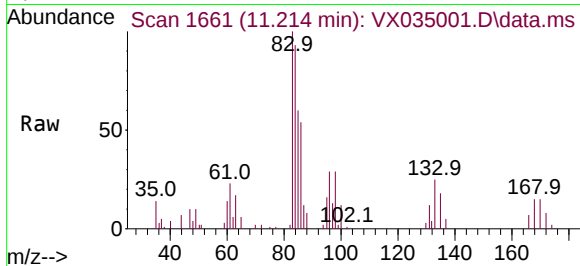




#57
1,1,2,2-Tetrachloroethane
Concen: 2.021 ug/L
RT: 11.214 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

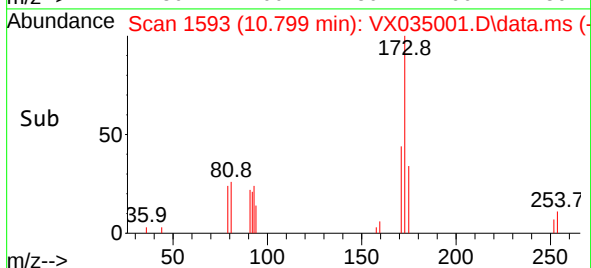
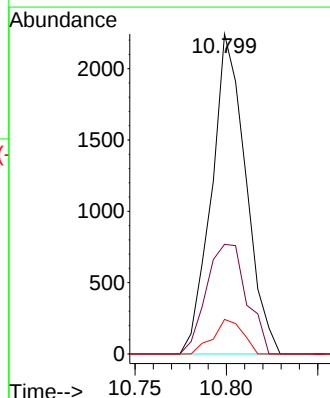
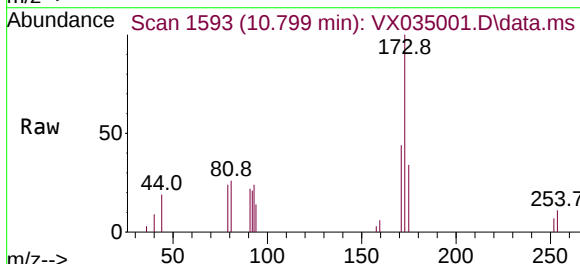
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04

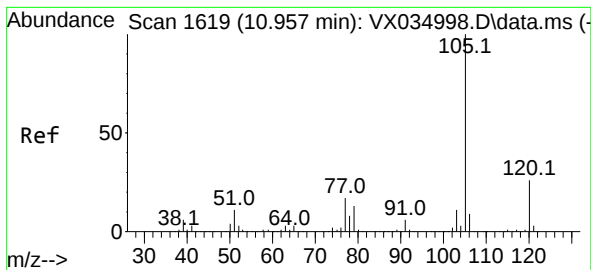
Tgt Ion:	83	Resp:	9405
Ion	Ratio	Lower	Upper
83	100		
85	59.6	45.5	84.5
131	11.9	8.6	12.8



#59
Bromoform
Concen: 1.476 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Tgt Ion:	173	Resp:	2916
Ion	Ratio	Lower	Upper
173	100		
175	40.5	39.0	58.4
254	9.4	7.3	10.9





#60

Isopropylbenzene

Concen: 1.764 ug/L

RT: 10.964 min Scan# 1620

Delta R.T. 0.006 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

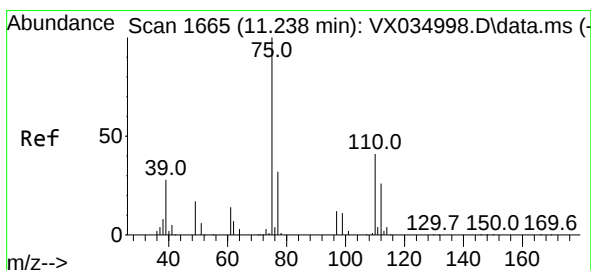
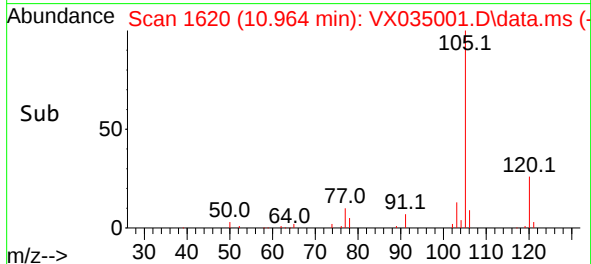
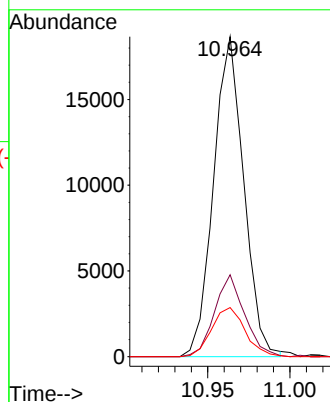
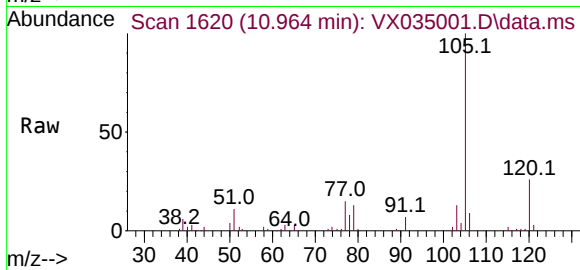
Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT2-2023-04

Tgt Ion:	105	Resp:	23875
Ion Ratio	Lower	Upper	
105	100		
120	25.4	21.1	31.7
77	17.0	13.3	19.9



#61

1,2,3-Trichloropropane

Concen: 1.981 ug/L

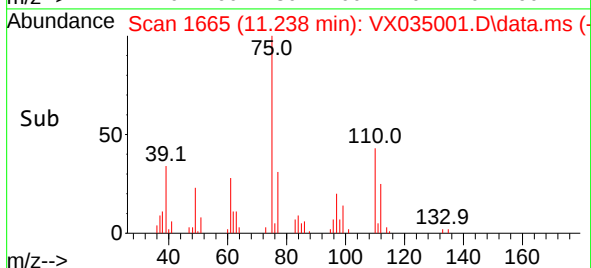
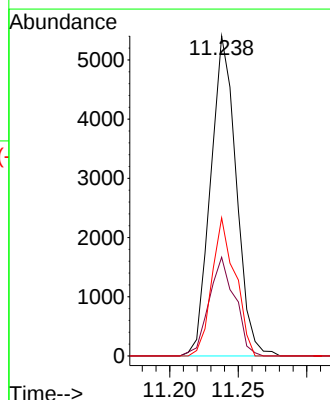
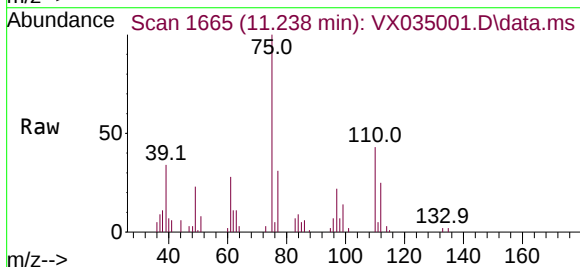
RT: 11.238 min Scan# 1665

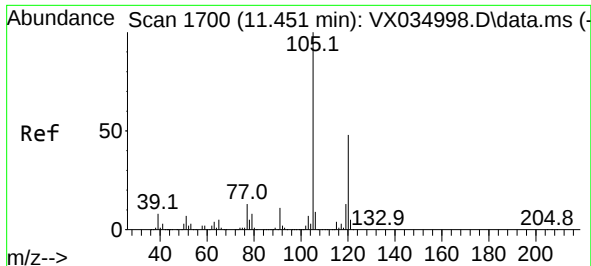
Delta R.T. 0.000 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

Tgt Ion:	75	Resp:	7041
Ion Ratio	Lower	Upper	
75	100		
77	31.2	25.3	37.9
110	39.4	31.8	47.8





#62

1,3,5-Trimethylbenzene

Concen: 1.678 ug/L

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX035001.D

Acq: 11 Apr 2023 11:02

Instrument :

MSVOA_X

ClientSampleId :

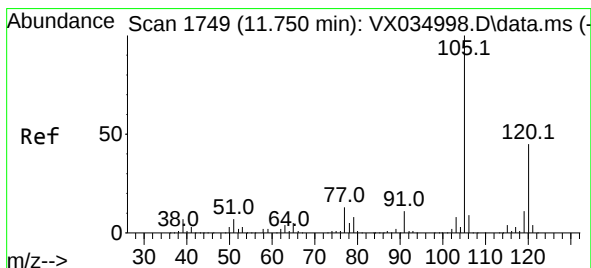
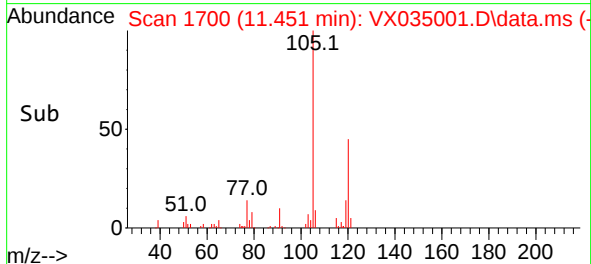
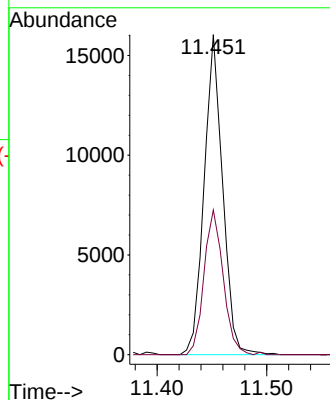
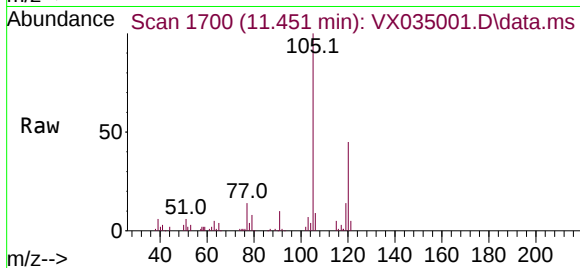
MDL-WATER-QT2-2023-04

Tgt Ion:105 Resp: 18827

Ion Ratio Lower Upper

105 100

120 46.8 38.0 57.0



#63

1,2,4-Trimethylbenzene

Concen: 1.709 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX035001.D

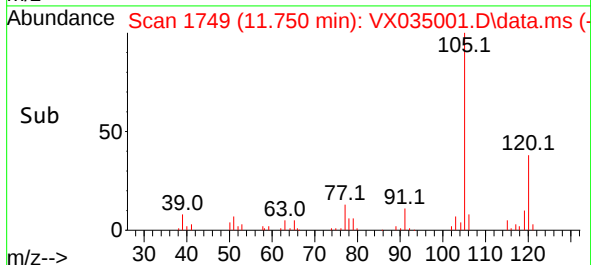
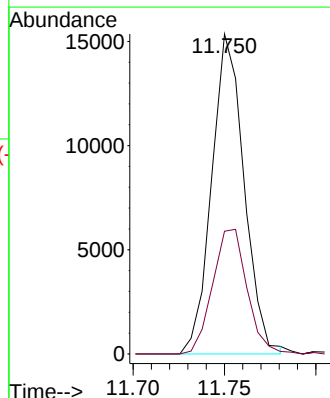
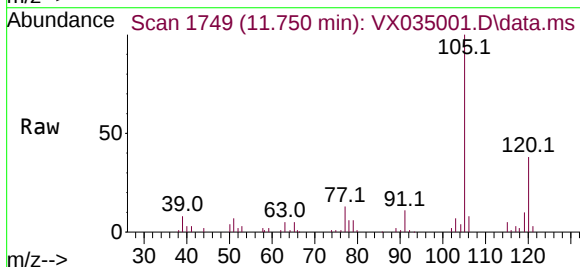
Acq: 11 Apr 2023 11:02

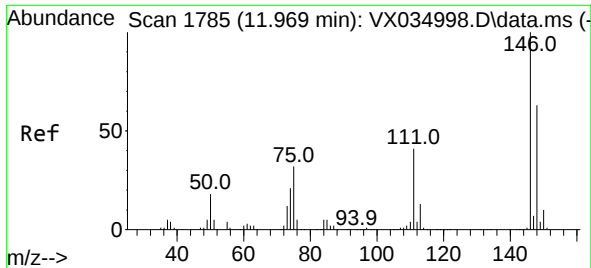
Tgt Ion:105 Resp: 18939

Ion Ratio Lower Upper

105 100

120 41.5 35.6 53.4

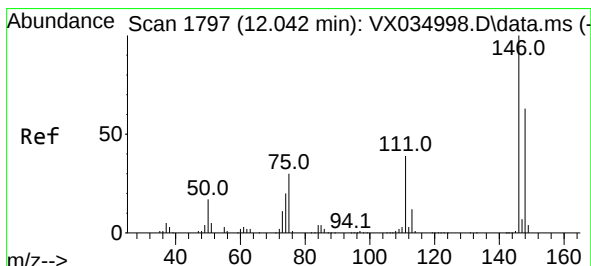
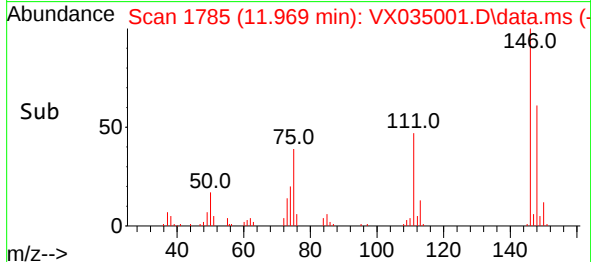
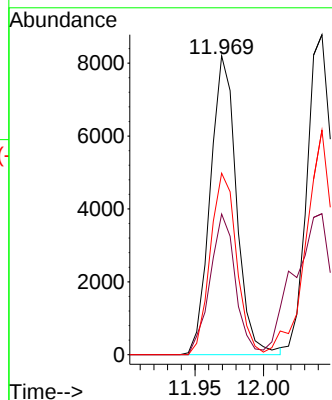
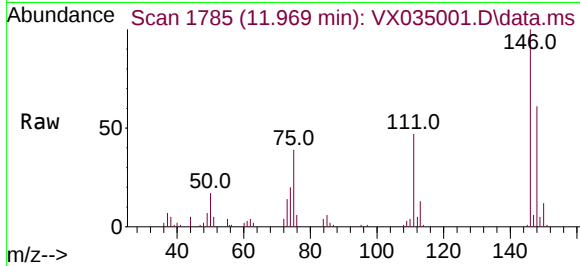




#64
1,3-Dichlorobenzene
Concen: 1.812 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

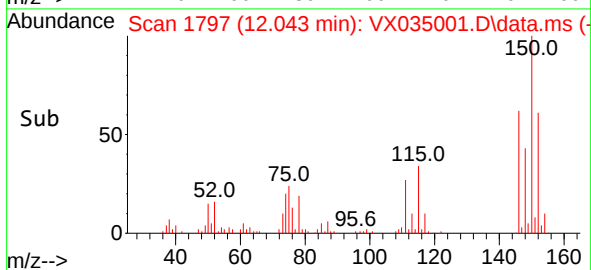
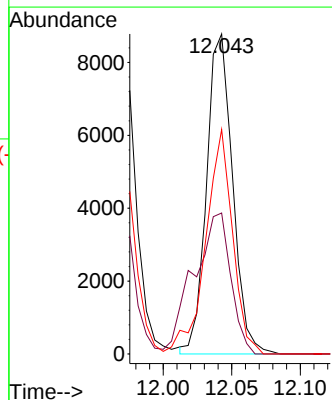
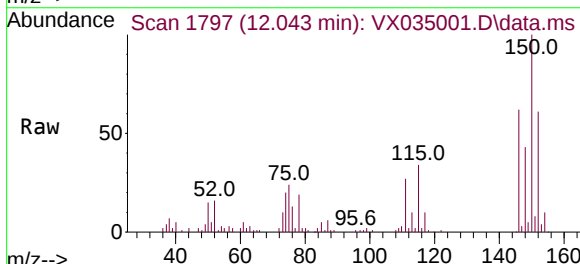
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04

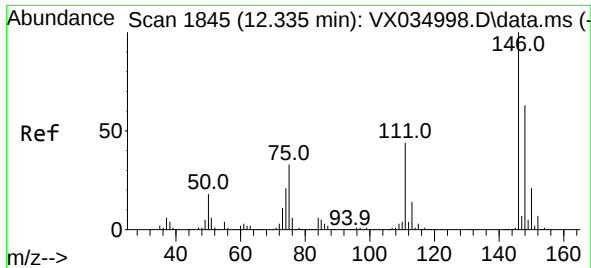
Tgt Ion:146 Resp: 10925
Ion Ratio Lower Upper
146 100
111 47.0 30.3 56.3
148 60.7 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 1.906 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Tgt Ion:146 Resp: 11620
Ion Ratio Lower Upper
146 100
111 44.1 27.5 51.1
148 70.2 44.4 82.4

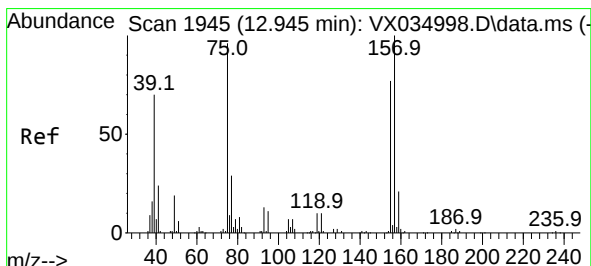
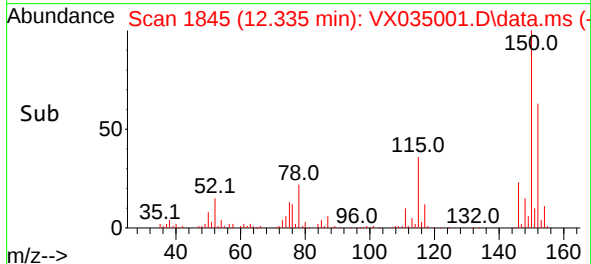
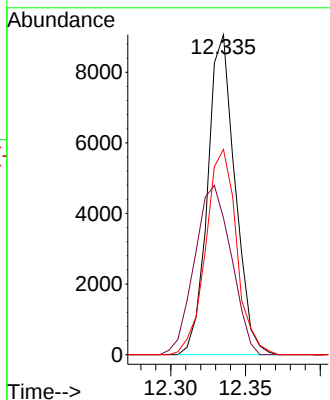
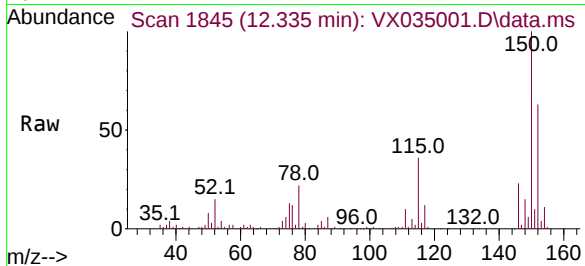




#67
1,2-Dichlorobenzene
Concen: 1.947 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

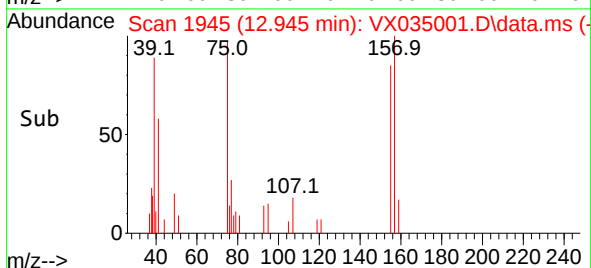
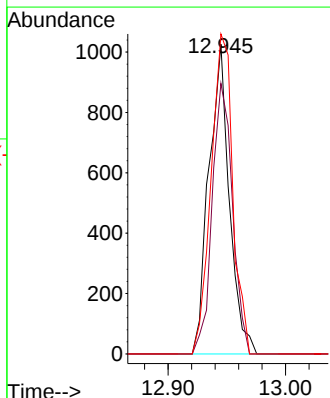
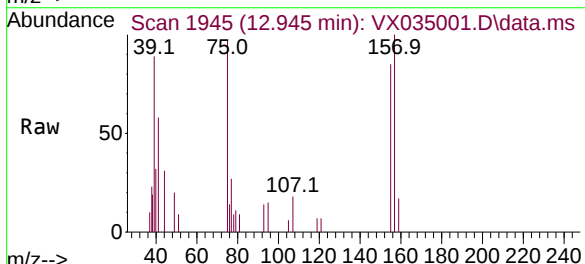
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04

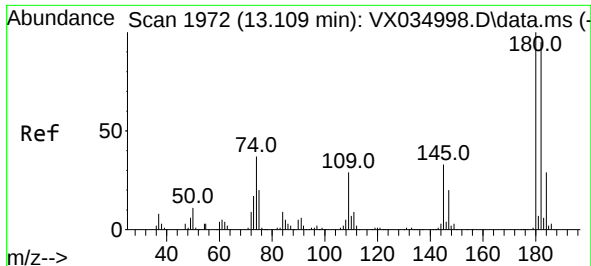
Tgt Ion:146 Resp: 11562
Ion Ratio Lower Upper
146 100
111 42.7 34.4 51.6
148 64.2 51.0 76.4



#68
1,2-Dibromo-3-chloropropane
Concen: 1.363 ug/L
RT: 12.945 min Scan# 1945
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Tgt Ion: 75 Resp: 1240
Ion Ratio Lower Upper
75 100
155 87.3 58.0 87.0#
157 103.3 75.3 112.9

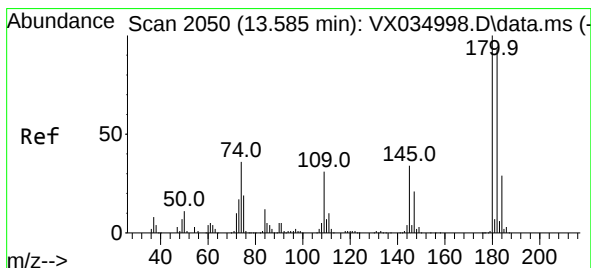
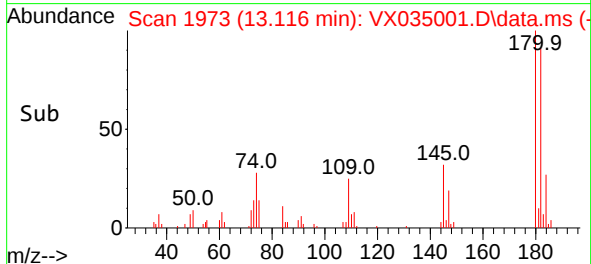
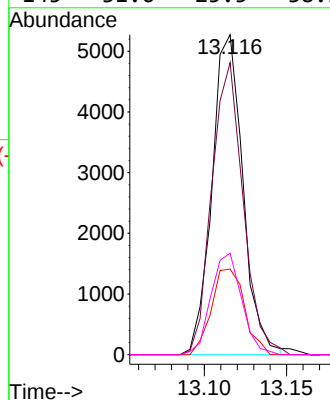
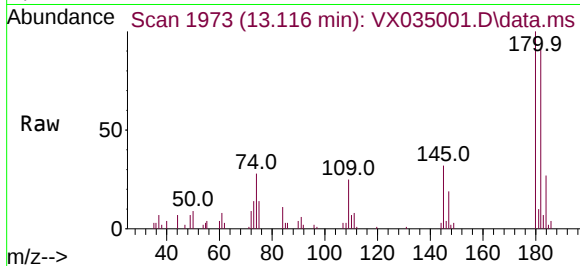




#69
1,3,5-Trichlorobenzene
Concen: 1.824 ug/L
RT: 13.116 min Scan# 1972
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

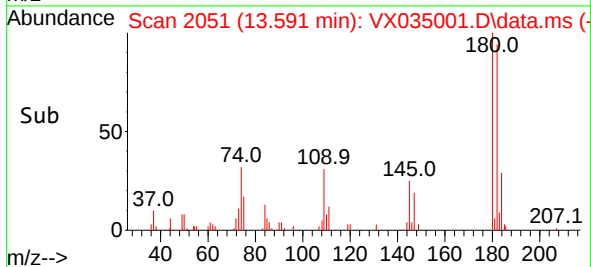
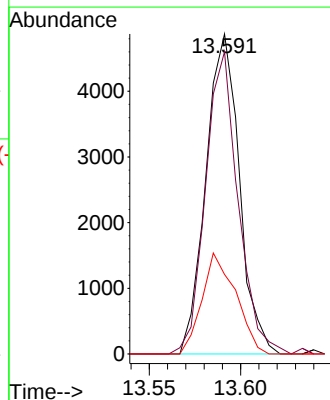
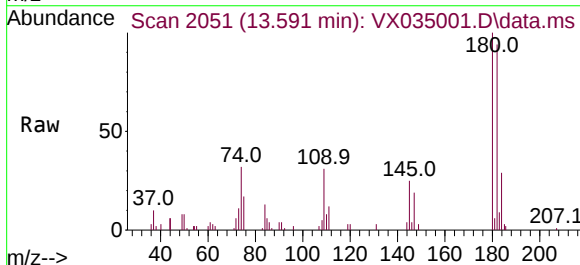
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04

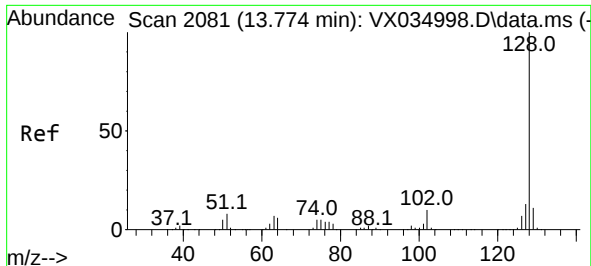
Tgt Ion:180	Resp:	6880
Ion Ratio	Lower	Upper
180	100	
182	92.3	76.8 115.2
184	28.7	23.8 35.8
145	31.6	25.5 38.3



#70
1,2,4-trichlorobenzene
Concen: 1.767 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Tgt Ion:180	Resp:	6199
Ion Ratio	Lower	Upper
180	100	
182	91.8	77.0 115.4
145	31.9	26.7 40.1

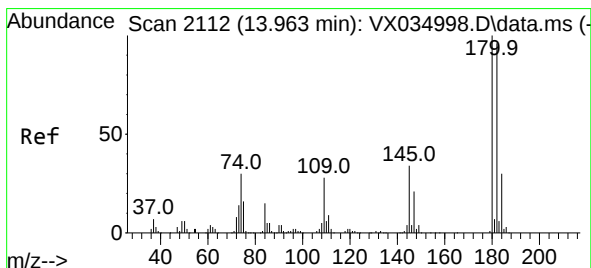
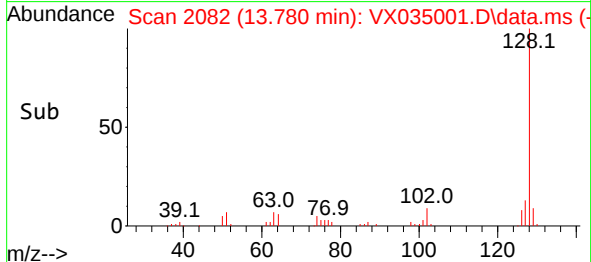
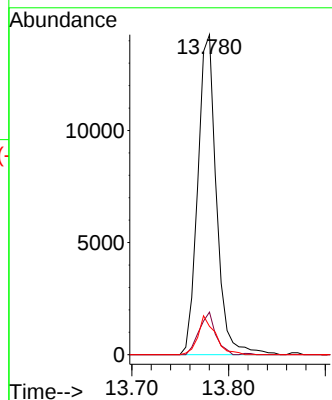
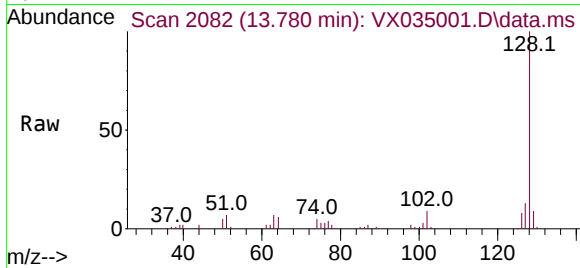




#71
Naphthalene
Concen: 1.601 ug/L
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT2-2023-04

Tgt Ion:128	Resp:	19186
Ion Ratio	Lower	Upper
128	100	
127	11.8	10.2 15.4
129	11.2	8.9 13.3



#72
1,2,3-Trichlorobenzene
Concen: 1.791 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX035001.D
Acq: 11 Apr 2023 11:02

Tgt Ion:180	Resp:	6308
Ion Ratio	Lower	Upper
180	100	
182	87.3	76.6 114.8
145	35.4	28.0 42.0

