

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW020223\
 Data File : VW030025.D
 Acq On : 02 Feb 2023 15:54
 Operator : SY/MD
 Sample : 01378-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Feb 03 01:14:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 03 01:11:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.606	114	258816	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.841	117	244871	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	121917	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	79042	4.026	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.600%
7) Chloroethane-d5	1.561	69	76637	4.709	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.200%
11) 1,1-Dichloroethene-d2	2.101	63	113768	3.179	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.600%
20) 2-Butanone-d5	3.883	46	166741	47.922	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.840%
24) Chloroform-d	4.336	84	152367	4.231	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
26) 1,2-Dichloroethane-d4	5.021	65	66114	4.335	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.800%
32) Benzene-d6	5.037	84	319123	4.393	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
36) 1,2-Dichloropropane-d6	6.059	67	102808	4.836	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.800%
41) Toluene-d8	7.304	98	270905	4.028	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.600%
43) trans-1,3-Dichloroprop...	7.612	79	32178	4.145	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.800%
46) 2-Hexanone-d5	8.082	63	146625	46.389	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.780%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	68279	4.383	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.600%
66) 1,2-Dichlorobenzene-d4	11.612	152	98039	4.423	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	4720	0.196	ug/L	98
3) Chloromethane	1.237	50	9998	0.394	ug/L	100
5) Vinyl chloride	1.304	62	6214	0.250	ug/L #	72
6) Bromomethane	1.516	94	2620	0.216	ug/L	88
8) Chloroethane	1.577	64	4020	0.267	ug/L	98
9) Trichlorofluoromethane	1.748	101	6950	0.213	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	5435	0.283	ug/L #	84
12) 1,1-Dichloroethene	2.111	96	5293	0.240	ug/L #	1
13) Acetone	2.175	43	14383	5.792	ug/L	97
14) Carbon disulfide	2.285	76	12187	0.192	ug/L	99
15) Methyl Acetate	2.436	43	1502	0.232	ug/L #	73
16) Methylene chloride	2.497	84	6006	0.219	ug/L	87
17) Methyl tert-butyl Ether	2.764	73	8175	0.214	ug/L #	92
18) trans-1,2-Dichloroethene	2.754	96	4221	0.205	ug/L	95
19) 1,1-Dichloroethane	3.179	63	8340	0.243	ug/L	97
22) cis-1,2-Dichloroethene	3.902	96	4658	0.213	ug/L	88
23) Bromochloromethane	4.243	128	1923	0.213	ug/L #	81
27) 1,2-Dichloroethane	5.127	62	4265	0.235	ug/L	96
29) 1,1,1-Trichloroethane	4.600	97	6459	0.203	ug/L	96

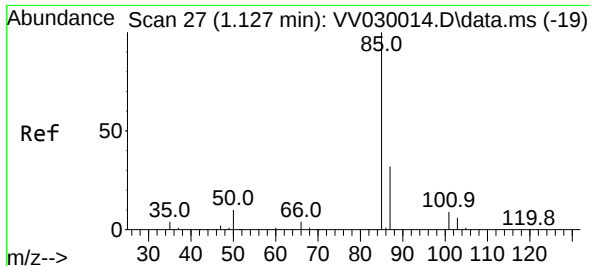
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 03 01:11:57 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Cyclohexane	4.667	56	7868	0.261	ug/L #	62
31) Carbon tetrachloride	4.818	117	5373	0.194	ug/L	93
33) Benzene	5.092	78	20465	0.253	ug/L	100
34) Trichloroethene	5.908	95	4357	0.212	ug/L	97
35) Methylcyclohexane	6.117	83	6745	0.195	ug/L	91
37) 1,2-Dichloropropane	6.166	63	4531	0.239	ug/L #	96
38) Bromodichloromethane	6.506	83	5666	0.231	ug/L	83
39) cis-1,3-Dichloropropene	7.024	75	6419	0.252	ug/L	99
40) 4-Methyl-2-pentanone	7.227	43	16821	2.079	ug/L #	85
42) Toluene	7.381	91	21951	0.251	ug/L	99
44) trans-1,3-Dichloropropene	7.645	75	5223	0.255	ug/L	98
45) 1,1,2-Trichloroethane	7.831	97	3075	0.225	ug/L	95
47) Tetrachloroethene	7.966	164	3783	0.219	ug/L	93
48) 2-Hexanone	8.140	43	16206	2.802	ug/L #	94
49) Dibromochloromethane	8.236	129	3416	0.213	ug/L	91
50) 1,2-Dibromoethane	8.346	107	2599	0.219	ug/L #	99
51) Chlorobenzene	8.873	112	12020	0.217	ug/L	98
52) Ethylbenzene	9.005	91	19197	0.210	ug/L	97
53) m,p-Xylene	9.130	106	7451	0.206	ug/L	77
54) o-Xylene	9.535	106	6728	0.196	ug/L	93
55) Styrene	9.555	104	10462	0.177	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.230	83	3897	0.257	ug/L #	94
59) Bromoform	9.725	173	1732	0.219	ug/L #	97
60) Isopropylbenzene	9.921	105	16245	0.208	ug/L	96
61) 1,2,3-Trichloropropane	10.262	75	2524	0.280	ug/L	95
62) 1,3,5-Trimethylbenzene	10.526	105	12599	0.189	ug/L	100
63) 1,2,4-Trimethylbenzene	10.902	105	13524	0.203	ug/L	97
64) 1,3-Dichlorobenzene	11.172	146	8731	0.221	ug/L	97
65) 1,4-Dichlorobenzene	11.262	146	9123	0.231	ug/L	97
67) 1,2-Dichlorobenzene	11.628	146	9017	0.253	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.416	75	560	0.262	ug/L #	73
69) 1,3,5-Trichlorobenzene	12.632	180	7006	0.220	ug/L	96
70) 1,2,4-trichlorobenzene	13.249	180	5568	0.224	ug/L	96
71) Naphthalene	13.493	128	7450	0.231	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	4771	0.231	ug/L	96

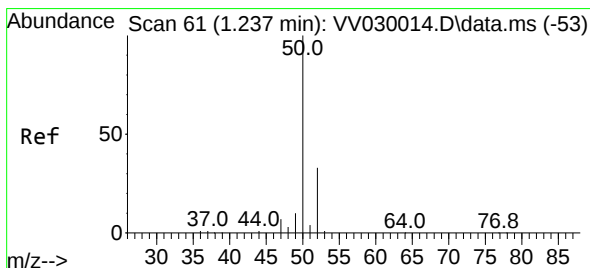
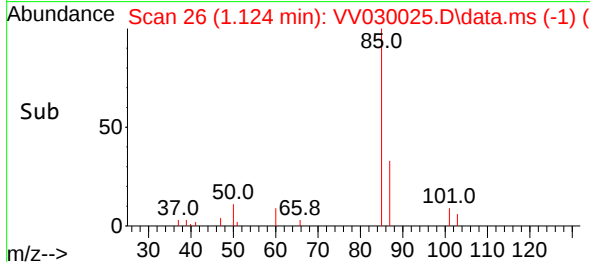
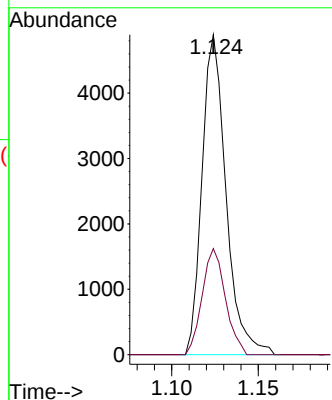
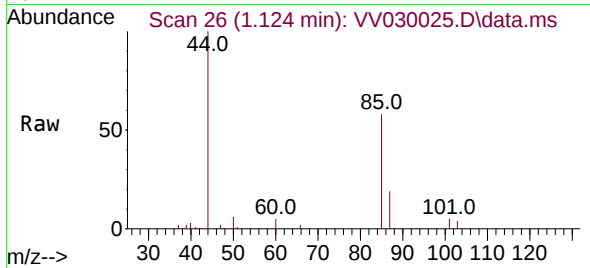
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#2
 Dichlorodifluoromethane
 Concen: 0.196 ug/L
 RT: 1.124 min Scan# 2
 Delta R.T. -0.003 min
 Lab File: VV030025.D
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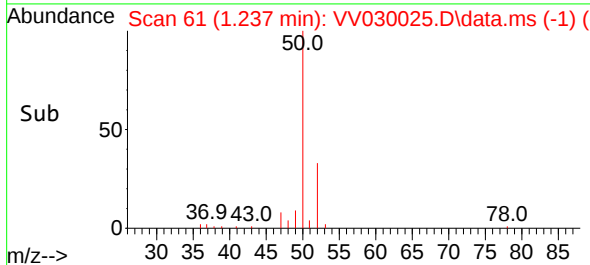
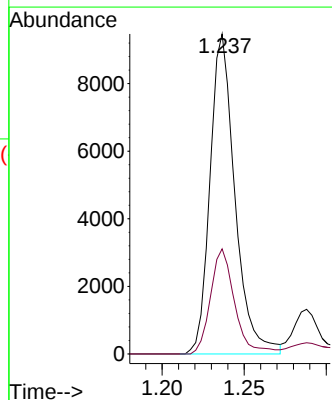
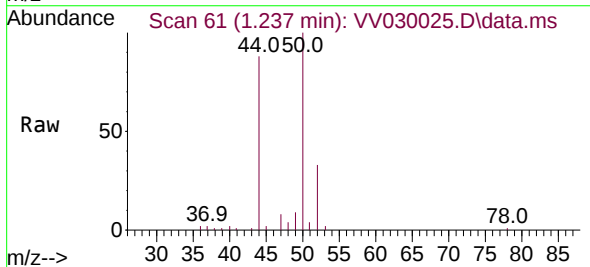
Instrument :
 MSVOA_V
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 MDL-WATER-QT1-2023-01

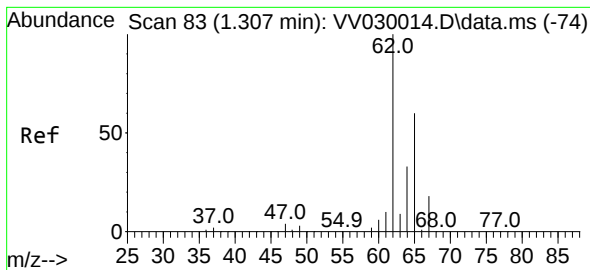
Tgt Ion: 85 Resp: 4720
 Ion Ratio Lower Upper
 85 100
 87 32.0 26.5 39.7



#3
 Chloromethane
 Concen: 0.394 ug/L
 RT: 1.237 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VV030025.D
 Acq: 02 Feb 2023 15:54

Tgt Ion: 50 Resp: 9998
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.1 42.9





#5

Vinyl chloride

Concen: 0.250 ug/L

RT: 1.304 min Scan# 81

Delta R.T. -0.003 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

Instrument :

MSVOA_V

ClientSampleId :

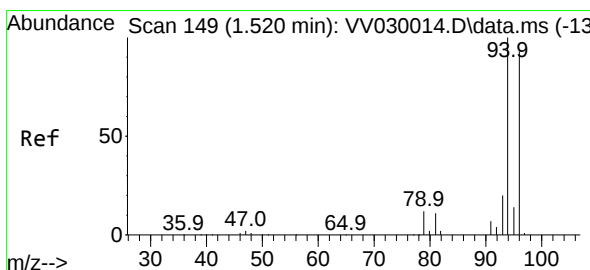
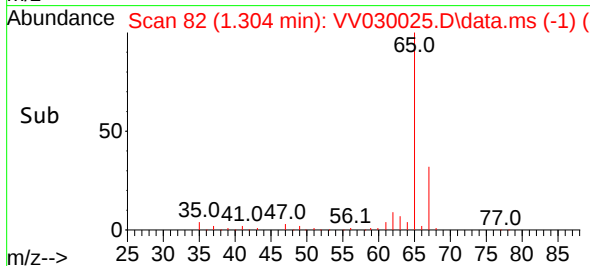
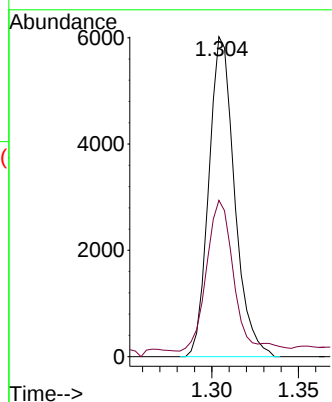
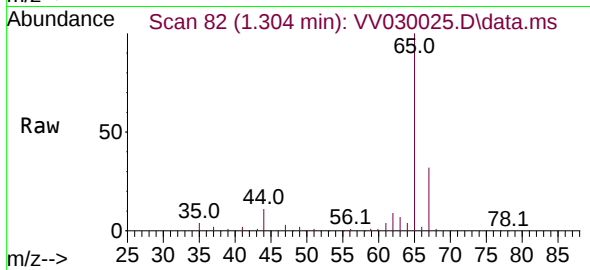
MDL-WATER-QT1-2023-01

Tgt Ion: 62 Resp: 6214

Ion Ratio Lower Upper

62 100

64 48.9 23.2 43.2#



#6

Bromomethane

Concen: 0.216 ug/L

RT: 1.516 min Scan# 148

Delta R.T. -0.003 min

Lab File: VV030025.D

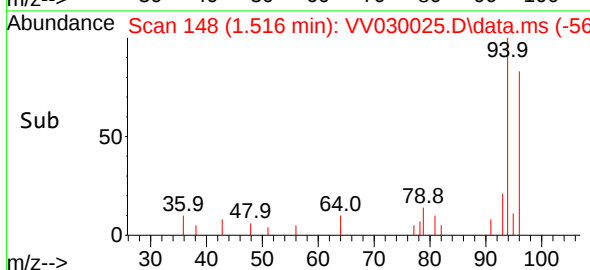
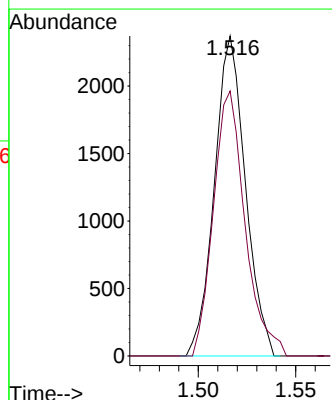
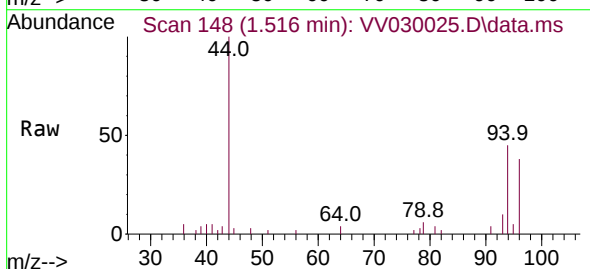
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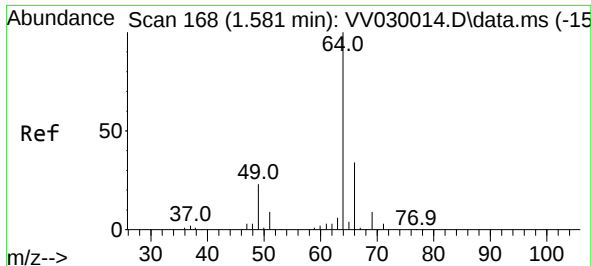
Tgt Ion: 94 Resp: 2620

Ion Ratio Lower Upper

94 100

96 82.8 65.9 122.5

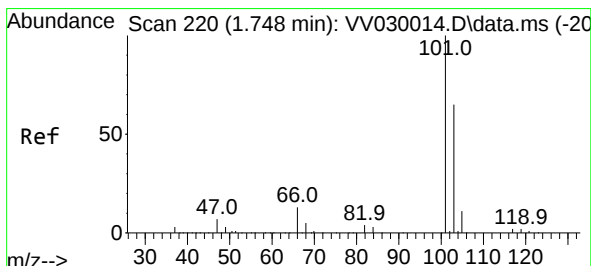
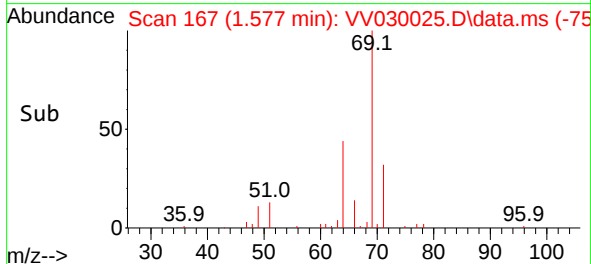
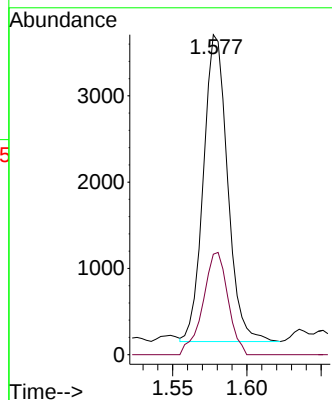
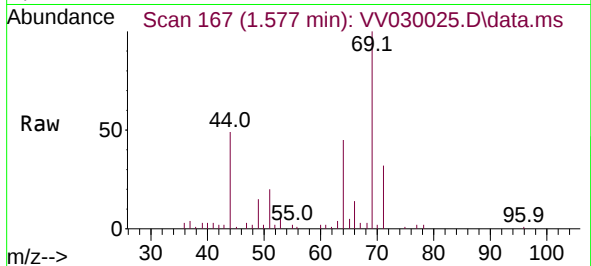




#8
Chloroethane
Concen: 0.267 ug/L
RT: 1.577 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

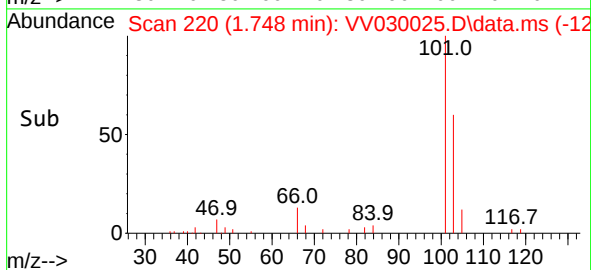
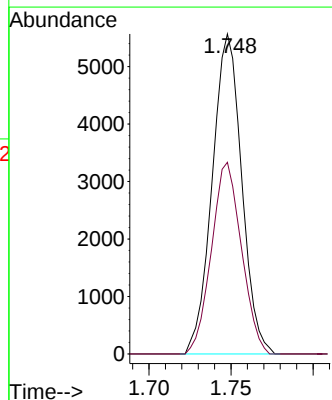
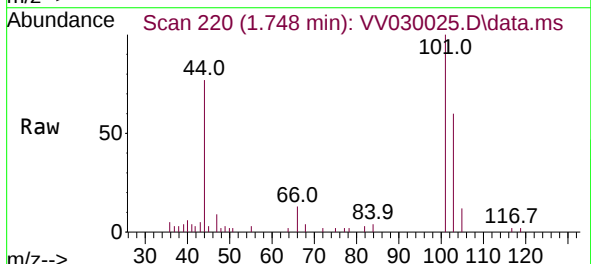
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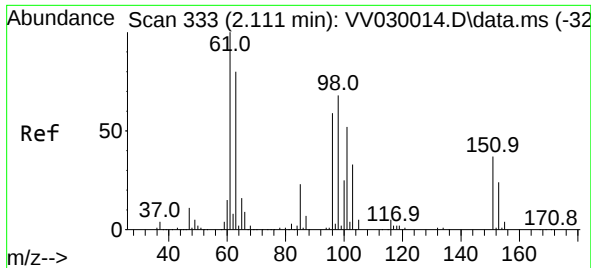
Tgt Ion: 64 Resp: 4020
Ion Ratio Lower Upper
64 100
66 31.4 22.9 42.5



#9
Trichlorofluoromethane
Concen: 0.213 ug/L
RT: 1.748 min Scan# 220
Delta R.T. -0.000 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Tgt Ion:101 Resp: 6950
Ion Ratio Lower Upper
101 100
103 60.9 51.8 77.8

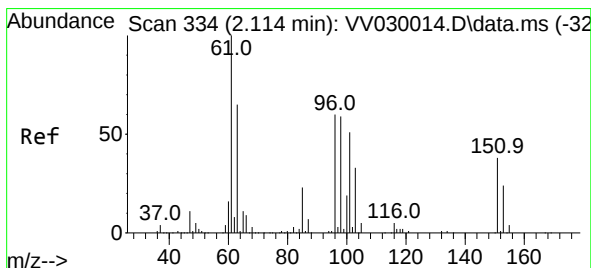
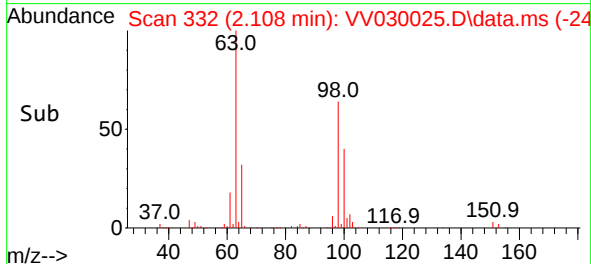
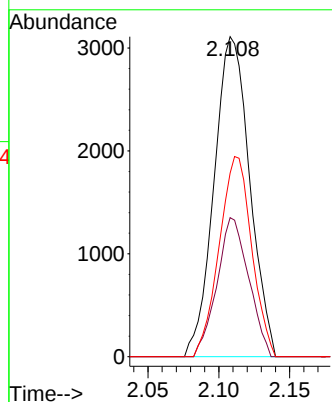
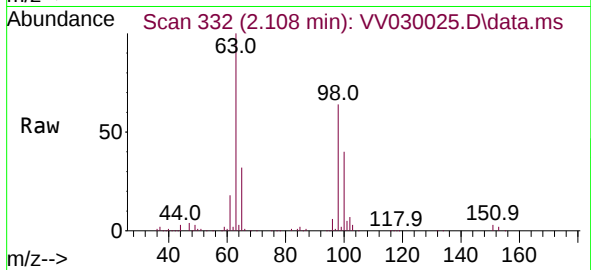




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.283 ug/L
RT: 2.108 min Scan# 311
Delta R.T. -0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

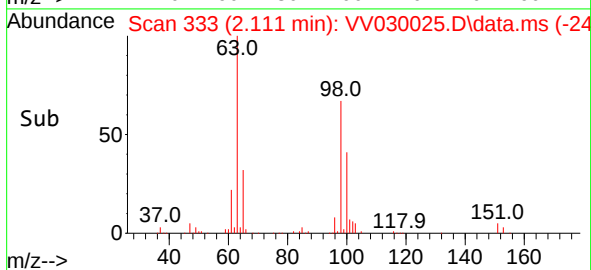
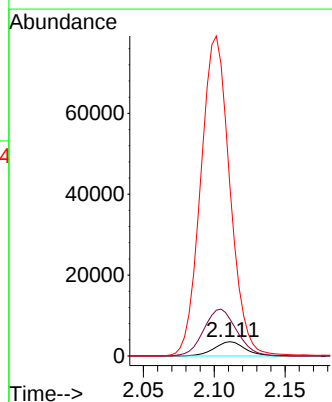
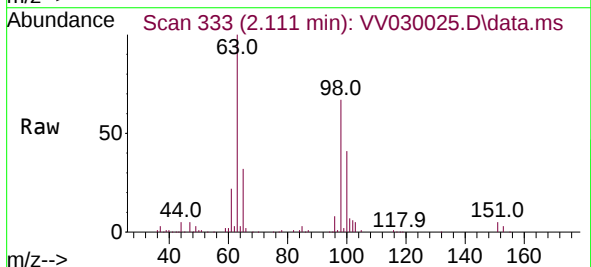
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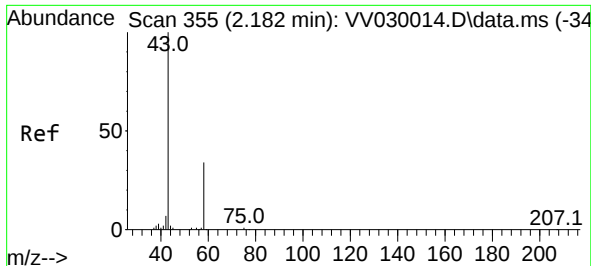
Tgt Ion:101 Resp: 5435
Ion Ratio Lower Upper
101 100
85 38.6 32.9 49.3
151 57.1 60.9 91.3#



#12
1,1-Dichloroethene
Concen: 0.240 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Tgt Ion: 96 Resp: 5293
Ion Ratio Lower Upper
96 100
61 258.5 106.1 197.1#
63 1189.8 76.4 141.8#





#13

Acetone

Concen: 5.792 ug/L

RT: 2.175 min Scan# 3

Delta R.T. -0.006 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

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MSVOA_V

ClientSampleId :

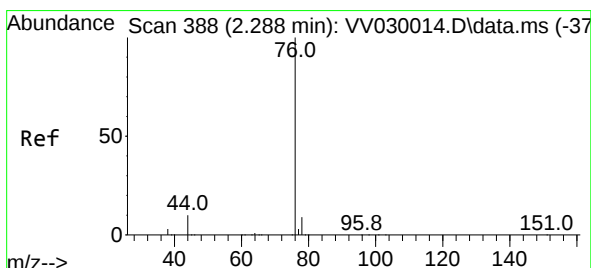
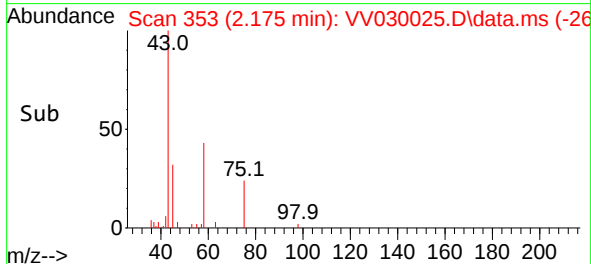
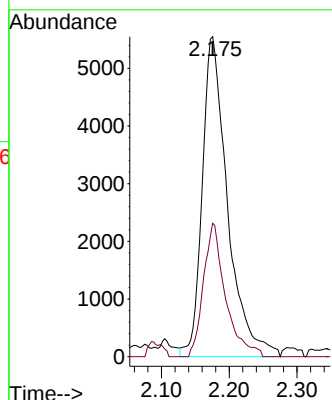
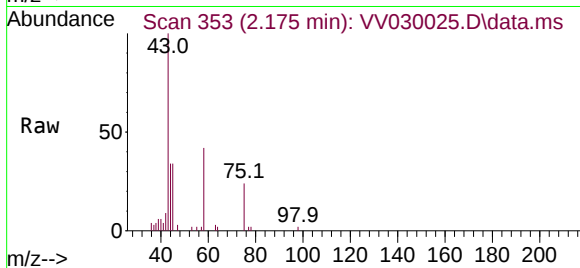
MDL-WATER-QT1-2023-01

Tgt Ion: 43 Resp: 14383

Ion Ratio Lower Upper

43 100

58 36.3 0.0 68.8



#14

Carbon disulfide

Concen: 0.192 ug/L

RT: 2.285 min Scan# 387

Delta R.T. -0.003 min

Lab File: VV030025.D

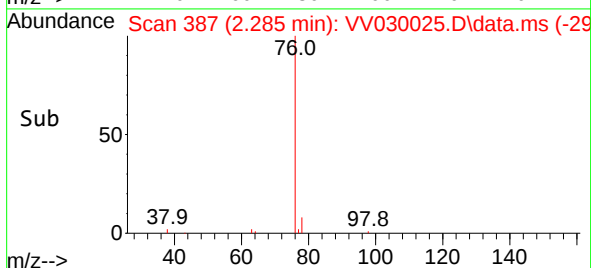
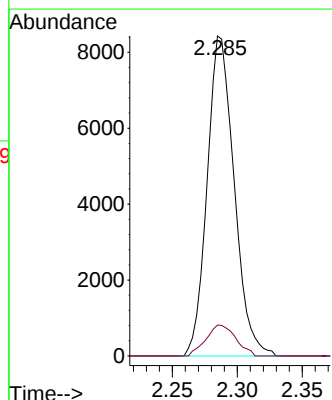
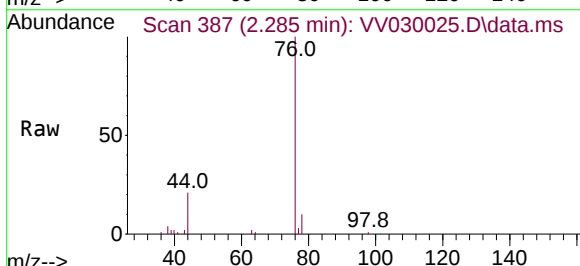
Acq: 02 Feb 2023 15:54

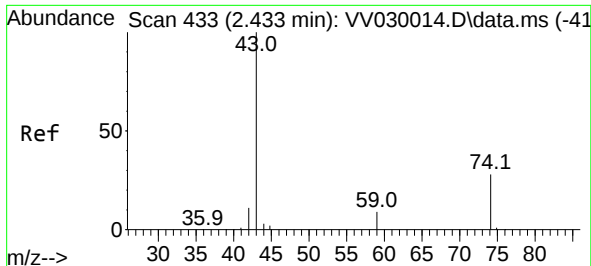
Tgt Ion: 76 Resp: 12187

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.0

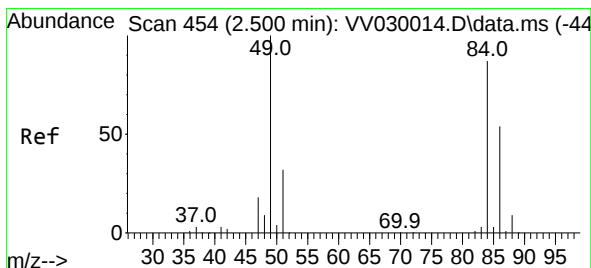
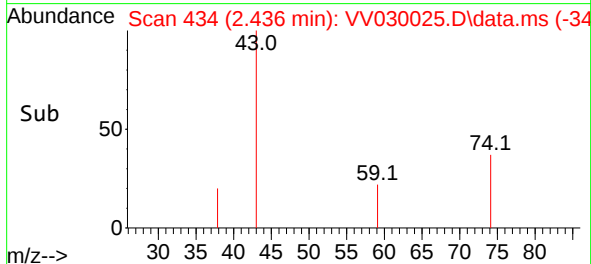
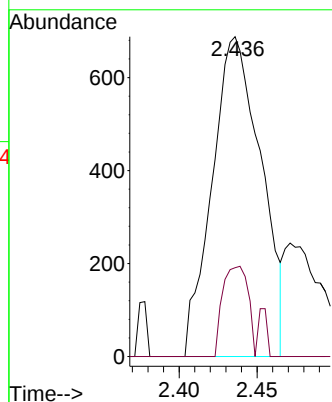
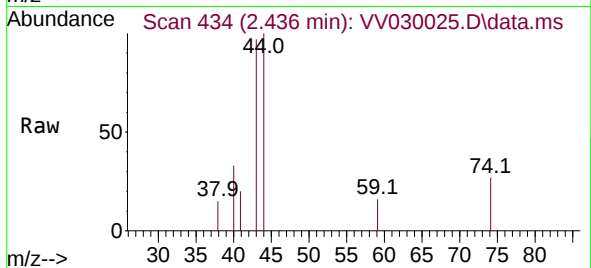




#15
Methyl Acetate
Concen: 0.232 ug/L
RT: 2.436 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

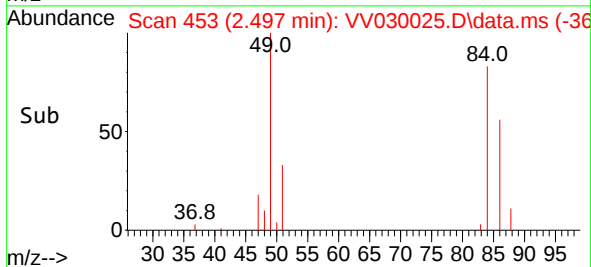
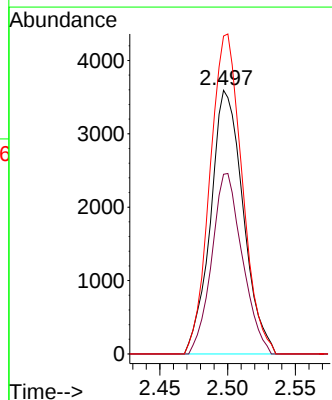
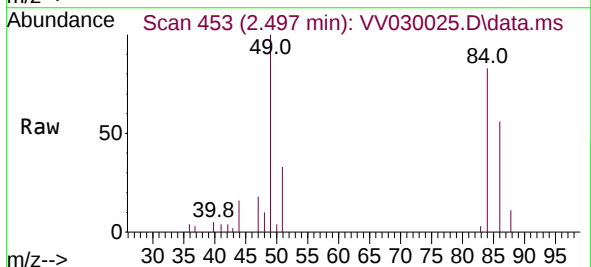
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01

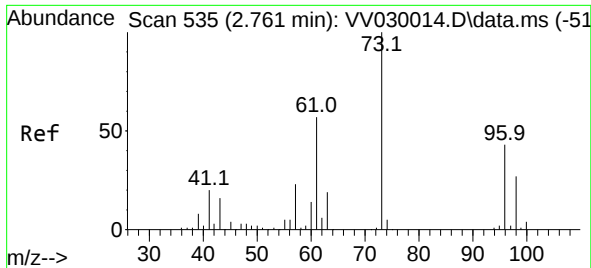
Tgt Ion: 43 Resp: 1502
Ion Ratio Lower Upper
43 100
74 14.6 23.4 35.0#



#16
Methylene chloride
Concen: 0.219 ug/L
RT: 2.497 min Scan# 453
Delta R.T. -0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Tgt Ion: 84 Resp: 6006
Ion Ratio Lower Upper
84 100
86 68.1 45.0 83.6
49 120.6 71.5 132.7

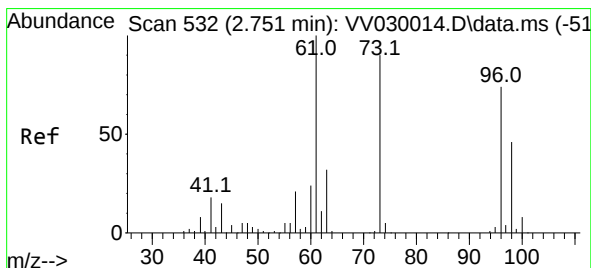
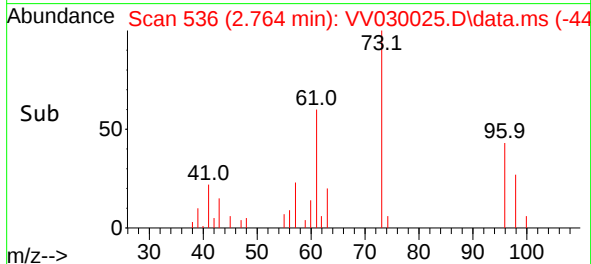
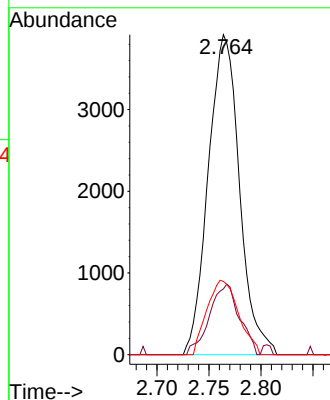
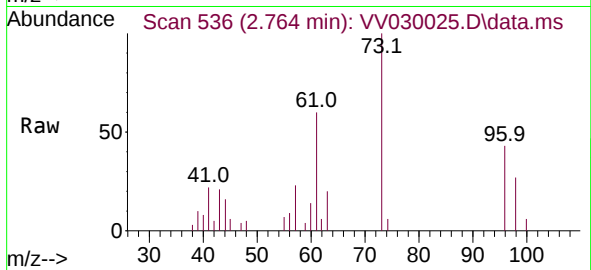




#17
Methyl tert-butyl Ether
Concen: 0.214 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

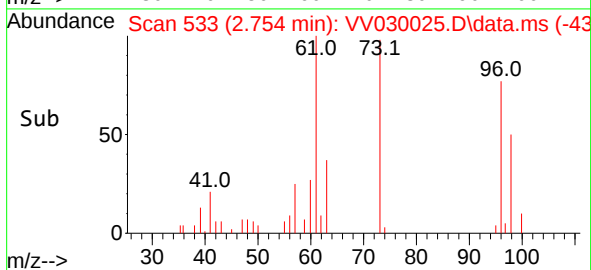
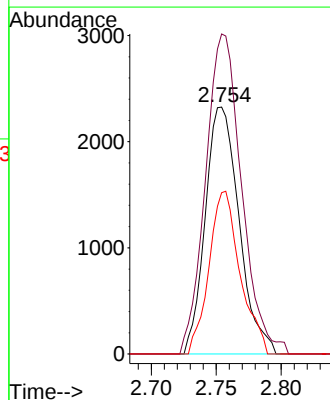
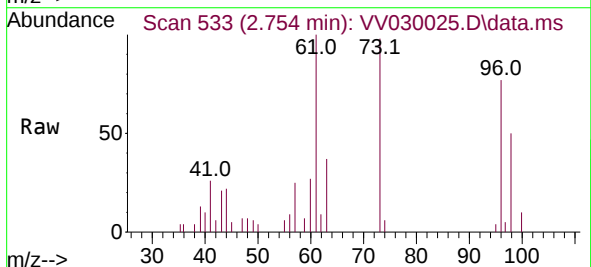
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01

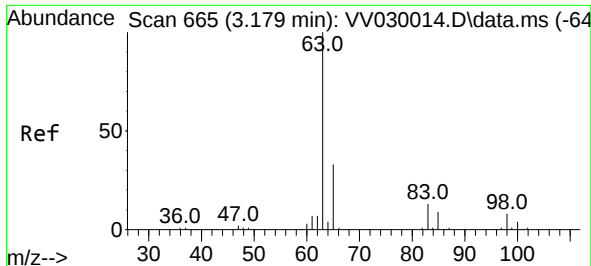
Tgt Ion: 73 Resp: 8175
Ion Ratio Lower Upper
73 100
43 21.1 13.0 19.4#
57 23.5 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 0.205 ug/L
RT: 2.754 min Scan# 533
Delta R.T. 0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Tgt Ion: 96 Resp: 4221
Ion Ratio Lower Upper
96 100
61 129.6 86.1 159.9
98 65.3 43.9 81.5





#19

1,1-Dichloroethane

Concen: 0.243 ug/L

RT: 3.179 min Scan# 6

Delta R.T. -0.000 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-01

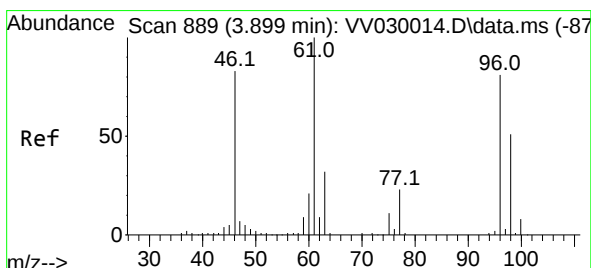
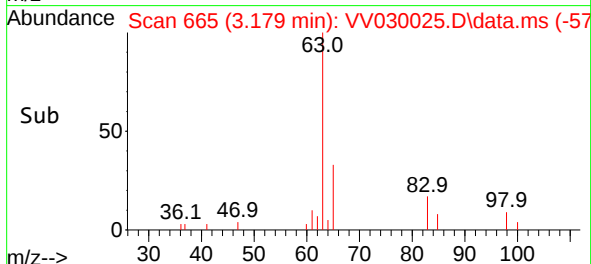
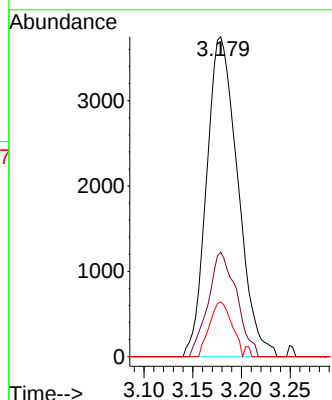
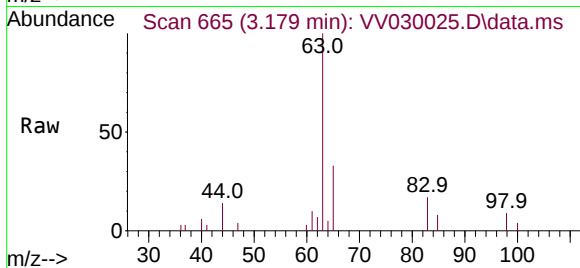
Tgt Ion: 63 Resp: 8340

Ion Ratio Lower Upper

63 100

65 32.6 22.4 41.6

83 17.1 10.2 19.0



#22

cis-1,2-Dichloroethene

Concen: 0.213 ug/L

RT: 3.902 min Scan# 890

Delta R.T. 0.003 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

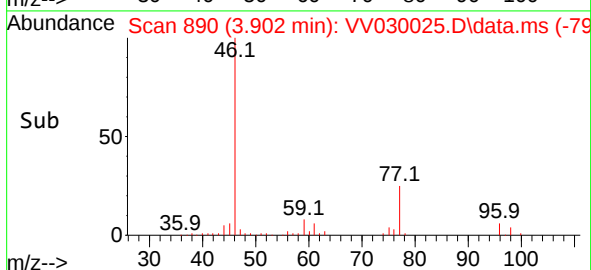
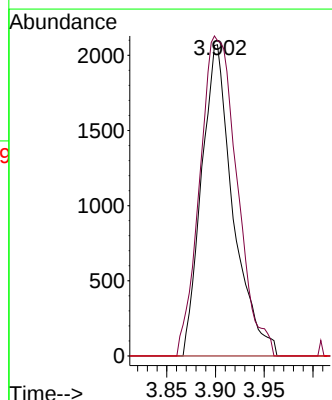
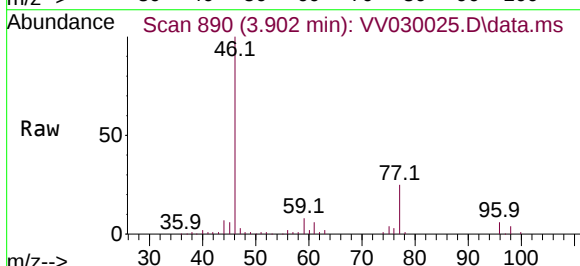
Tgt Ion: 96 Resp: 4658

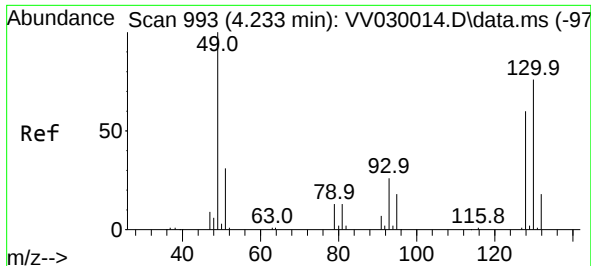
Ion Ratio Lower Upper

96 100

61 101.4 80.0 148.6

68 0.0 0.0 0.0





#23

Bromochloromethane

Concen: 0.213 ug/L

RT: 4.243 min Scan# 993

Delta R.T. 0.010 min

Lab File: VV030025.D

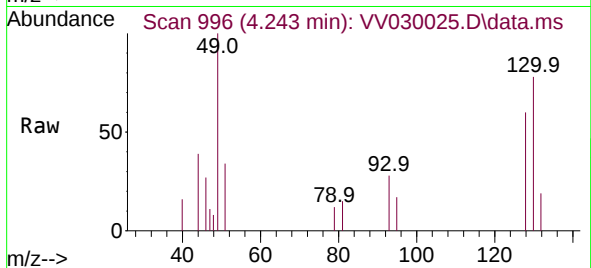
Acq: 02 Feb 2023 15:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-01



Tgt Ion:128 Resp: 1923

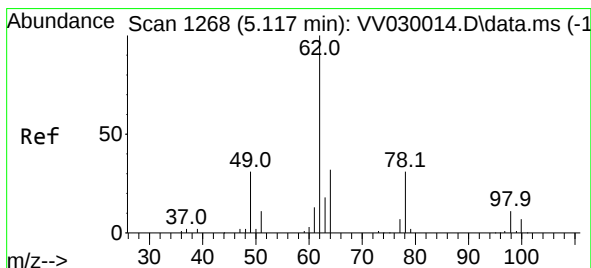
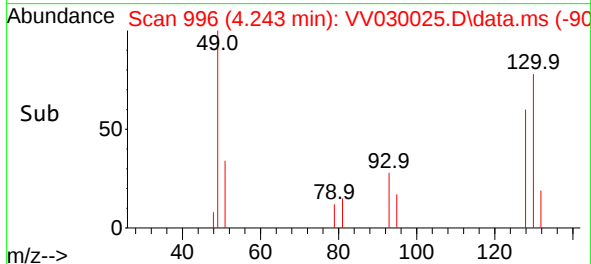
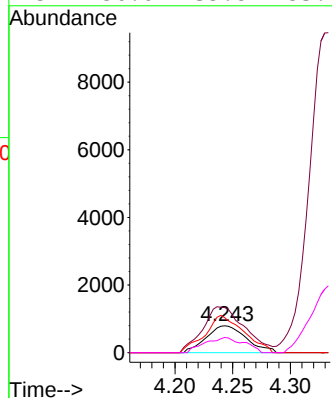
Ion Ratio Lower Upper

128 100

49 167.5 91.2 169.4

130 131.2 87.0 161.6

51 56.6 35.8 53.6#



#27

1,2-Dichloroethane

Concen: 0.235 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. 0.010 min

Lab File: VV030025.D

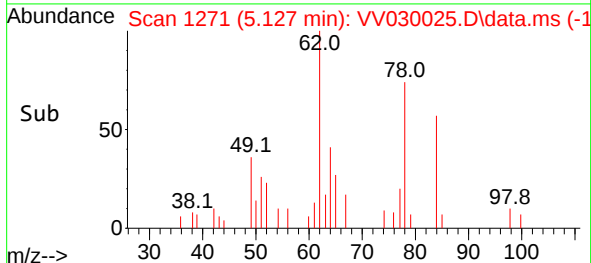
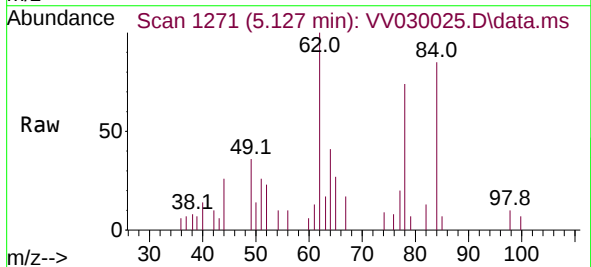
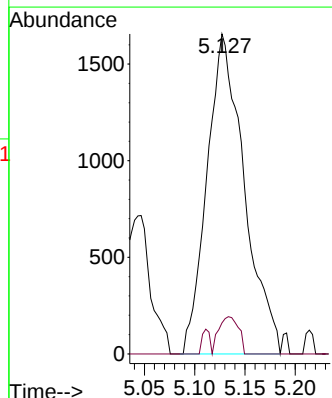
Acq: 02 Feb 2023 15:54

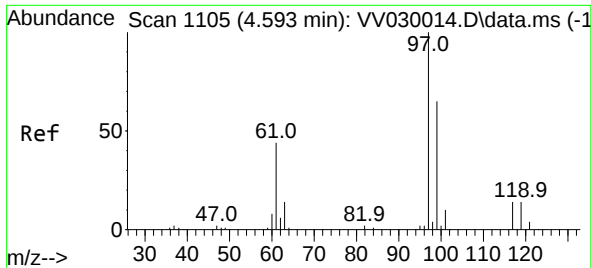
Tgt Ion: 62 Resp: 4265

Ion Ratio Lower Upper

62 100

98 9.7 8.9 13.3





#29

1,1,1-Trichloroethane

Concen: 0.203 ug/L

RT: 4.600 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-01

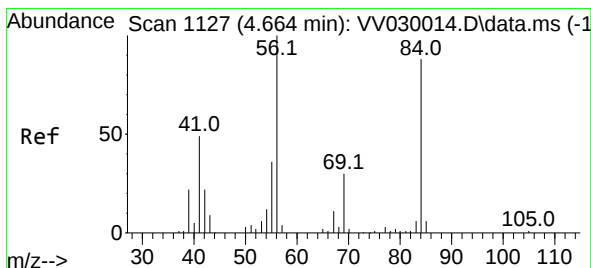
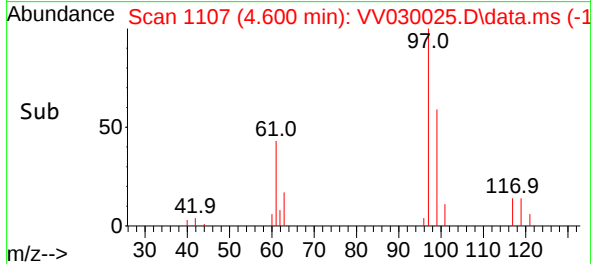
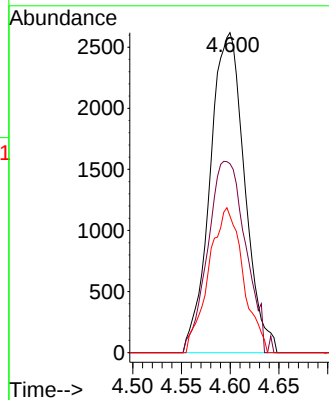
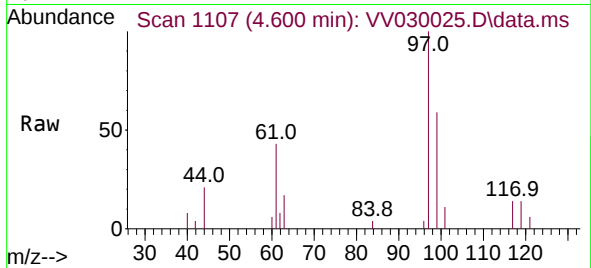
Tgt Ion: 97 Resp: 6459

Ion Ratio Lower Upper

97 100

99 65.0 51.3 76.9

61 45.1 31.6 47.4



#30

Cyclohexane

Concen: 0.261 ug/L

RT: 4.667 min Scan# 1128

Delta R.T. 0.003 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

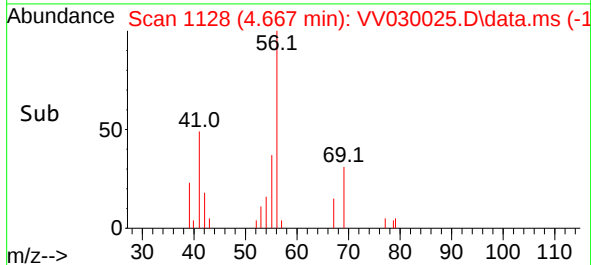
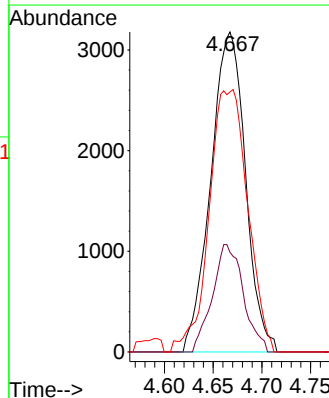
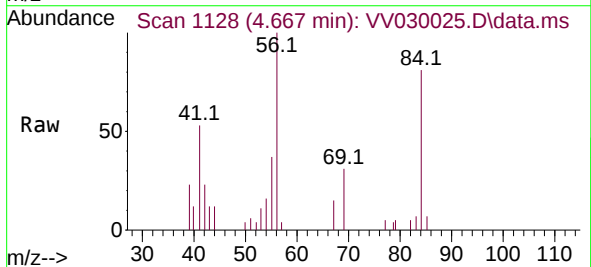
Tgt Ion: 56 Resp: 7868

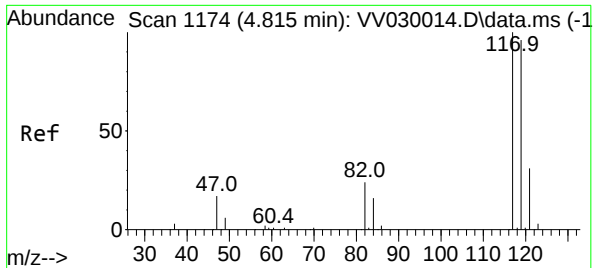
Ion Ratio Lower Upper

56 100

69 30.0 26.7 40.1

84 45.2 73.8 110.8#

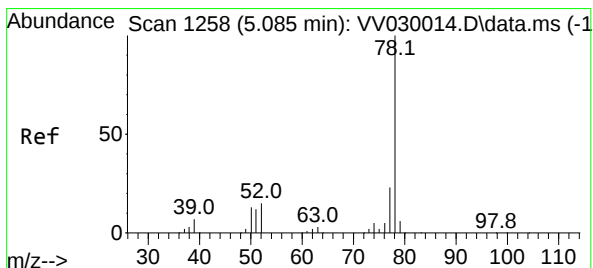
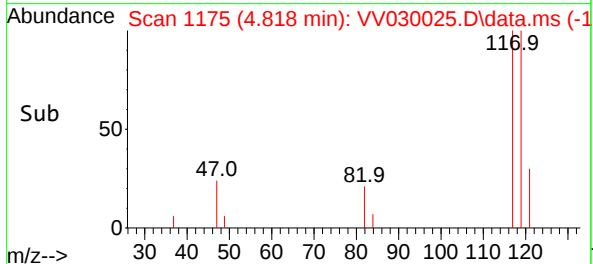
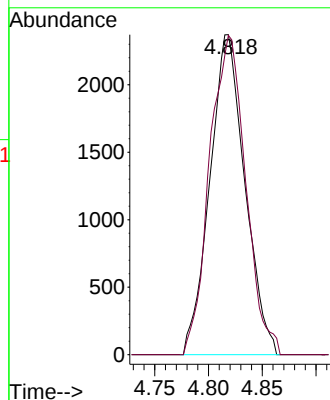
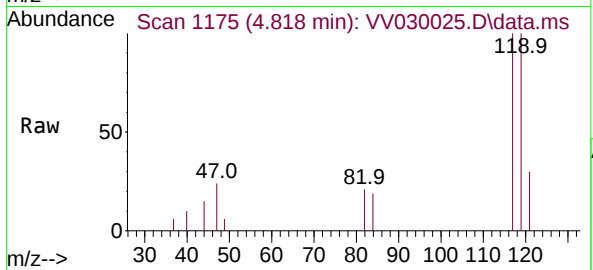




#31
Carbon tetrachloride
Concen: 0.194 ug/L
RT: 4.818 min Scan# 1174
Delta R.T. 0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

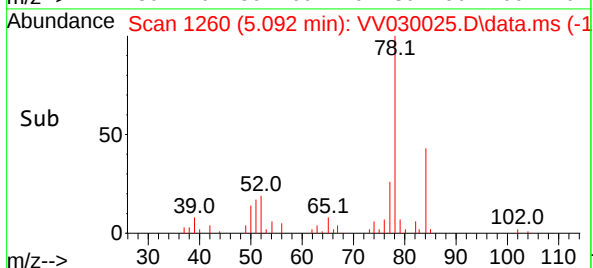
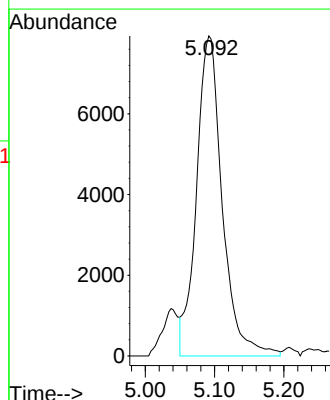
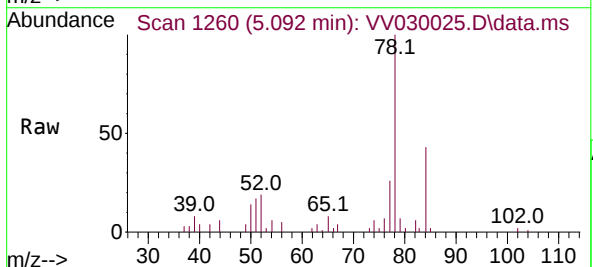
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01

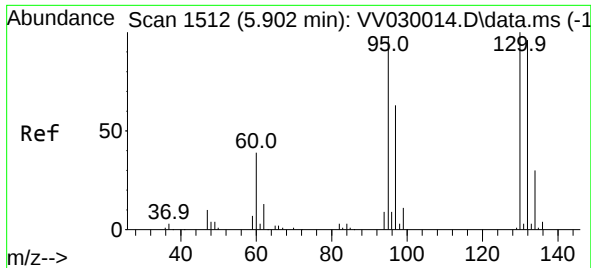
Tgt Ion:117 Resp: 5373
Ion Ratio Lower Upper
117 100
119 102.8 76.6 114.8



#33
Benzene
Concen: 0.253 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. 0.006 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Tgt Ion: 78 Resp: 20465





#34

Trichloroethene

Concen: 0.212 ug/L

RT: 5.908 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-01

Tgt Ion: 95 Resp: 4357

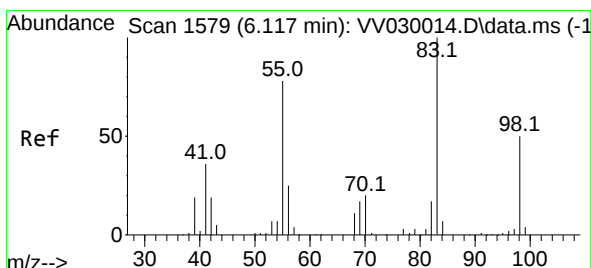
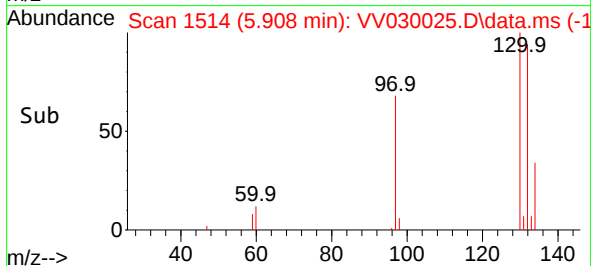
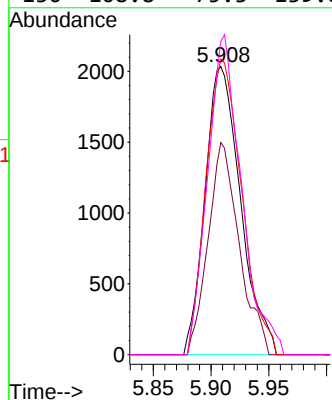
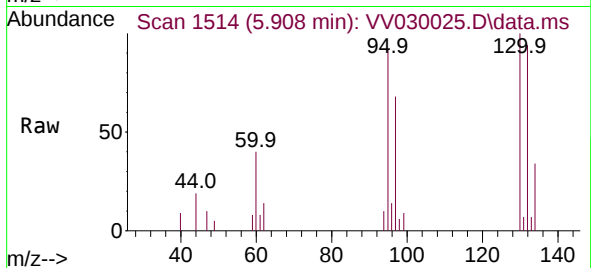
Ion Ratio Lower Upper

95 100

97 73.6 44.9 83.3

132 102.6 71.8 133.4

130 108.8 75.3 139.8



#35

Methylcyclohexane

Concen: 0.195 ug/L

RT: 6.117 min Scan# 1579

Delta R.T. -0.000 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

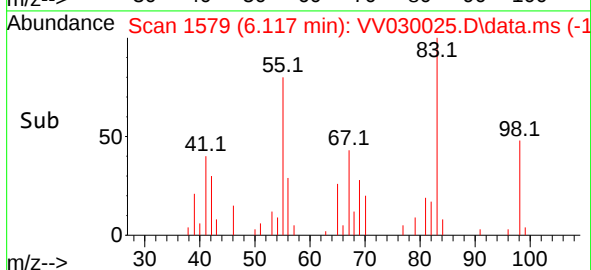
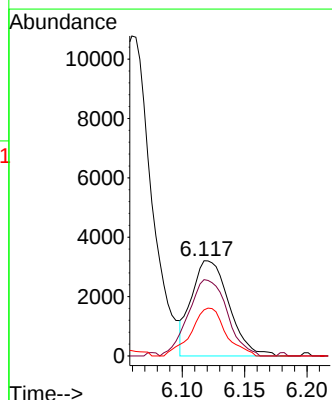
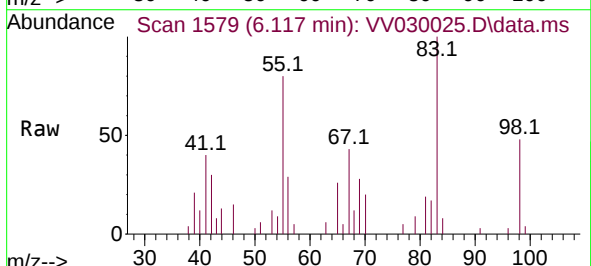
Tgt Ion: 83 Resp: 6745

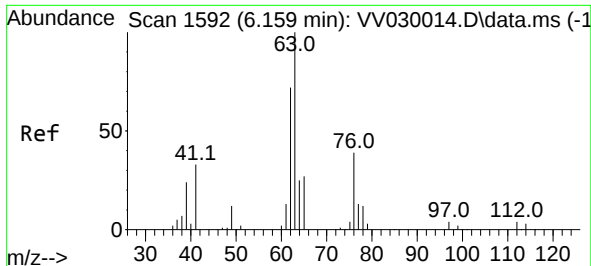
Ion Ratio Lower Upper

83 100

55 82.4 57.3 85.9

98 45.9 39.0 58.6





#37

1,2-Dichloropropane

Concen: 0.239 ug/L

RT: 6.166 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

Instrument :

MSVOA_V

ClientSampleId :

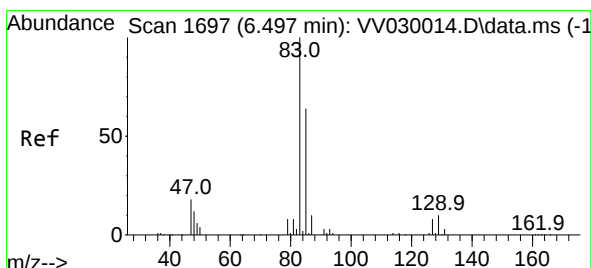
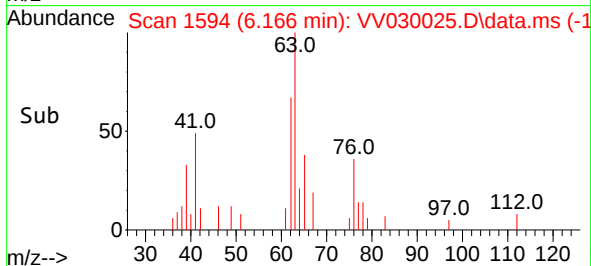
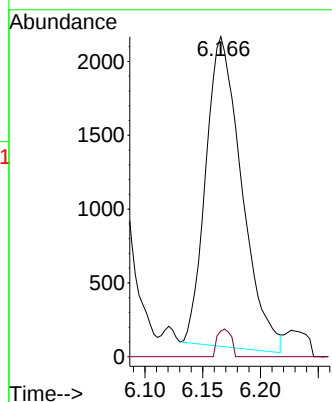
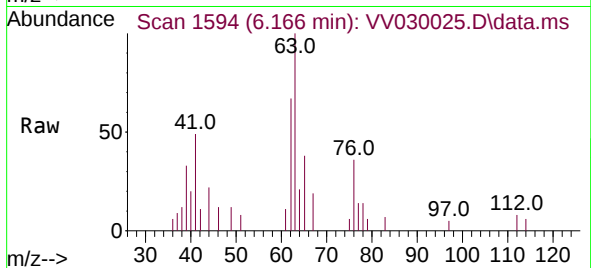
MDL-WATER-QT1-2023-01

Tgt Ion: 63 Resp: 4531

Ion Ratio Lower Upper

63 100

112 3.4 3.9 5.9#



#38

Bromodichloromethane

Concen: 0.231 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.010 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

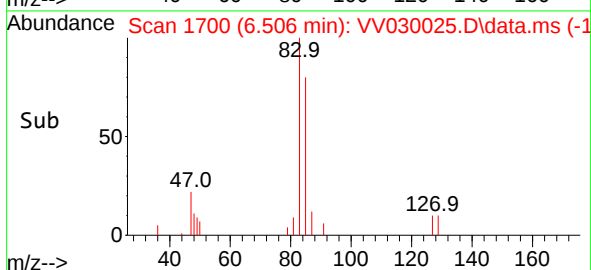
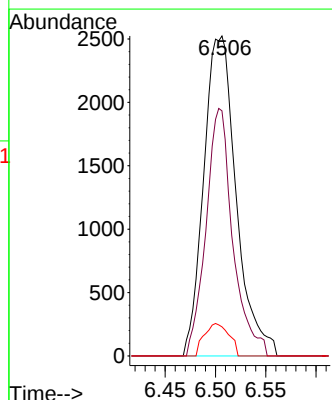
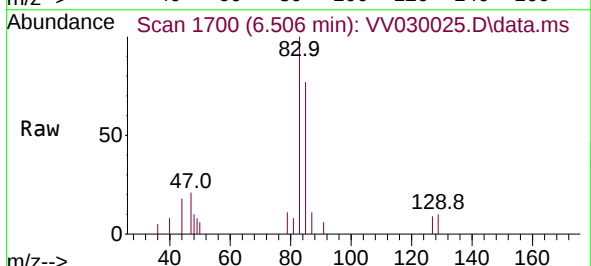
Tgt Ion: 83 Resp: 5666

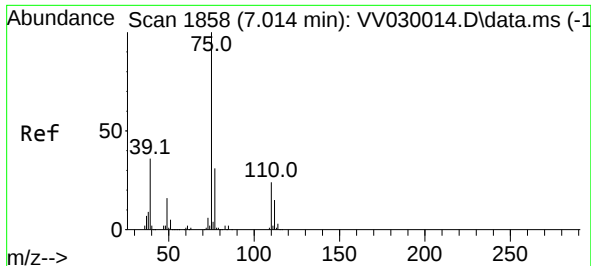
Ion Ratio Lower Upper

83 100

85 76.6 43.2 80.2

127 9.1 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 0.252 ug/L

RT: 7.024 min Scan# 1858

Delta R.T. 0.010 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

Instrument :

MSVOA_V

ClientSampleId :

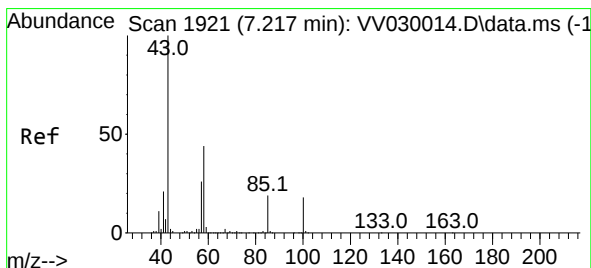
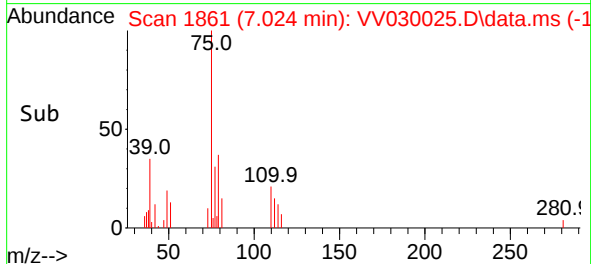
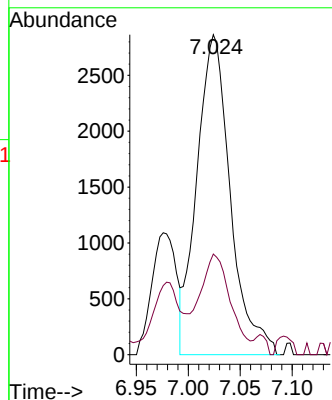
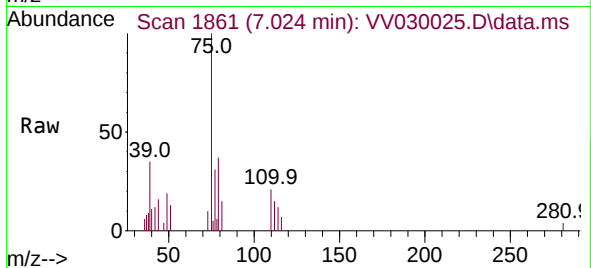
MDL-WATER-QT1-2023-01

Tgt Ion: 75 Resp: 6419

Ion Ratio Lower Upper

75 100

77 31.5 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 2.079 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.010 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

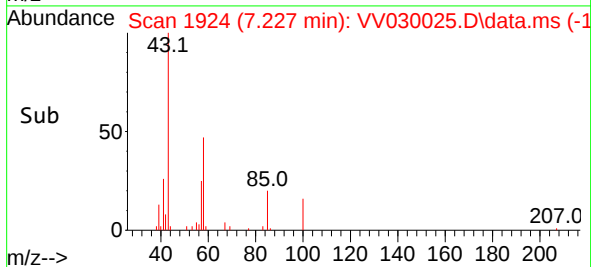
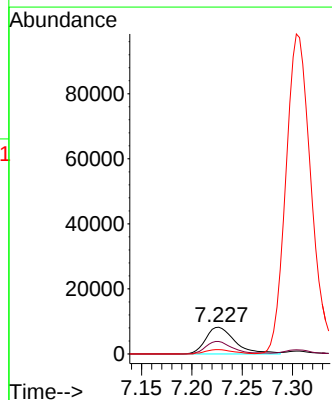
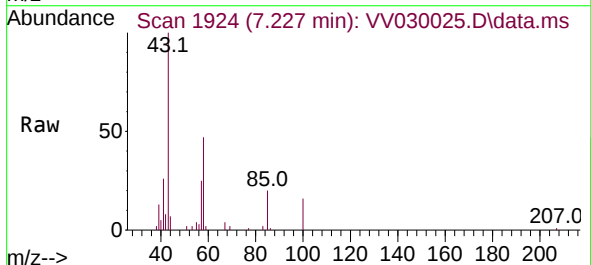
Tgt Ion: 43 Resp: 16821

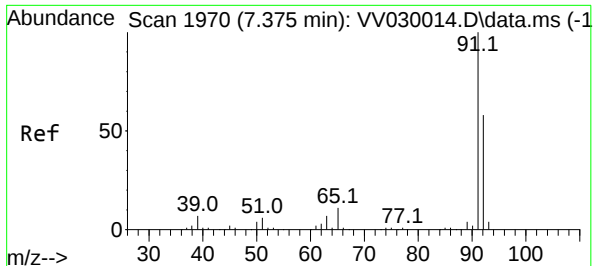
Ion Ratio Lower Upper

43 100

58 43.5 36.7 55.1

100 0.0 15.6 23.4#





#42

Toluene

Concen: 0.251 ug/L

RT: 7.381 min Scan# 1970

Delta R.T. 0.006 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

Instrument :

MSVOA_V

ClientSampleId :

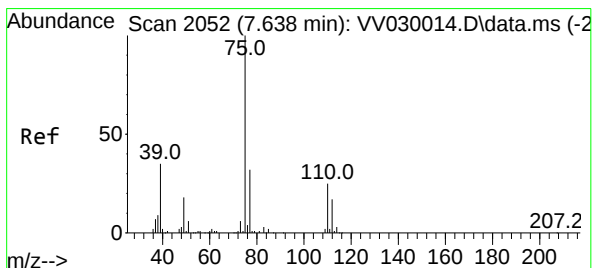
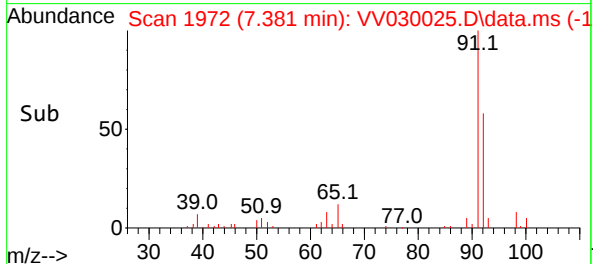
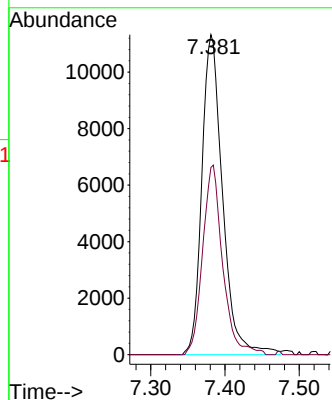
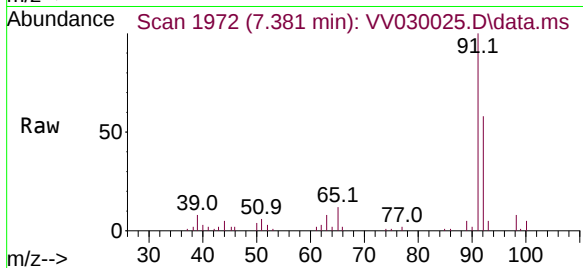
MDL-WATER-QT1-2023-01

Tgt Ion: 91 Resp: 21951

Ion Ratio Lower Upper

91 100

92 58.5 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 0.255 ug/L

RT: 7.645 min Scan# 2054

Delta R.T. 0.006 min

Lab File: VV030025.D

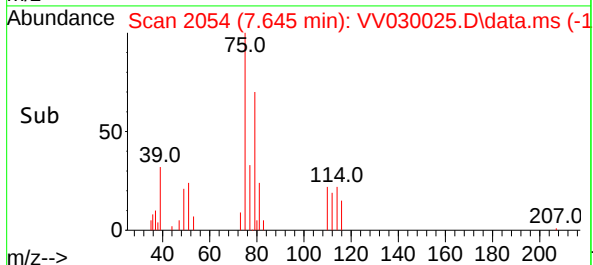
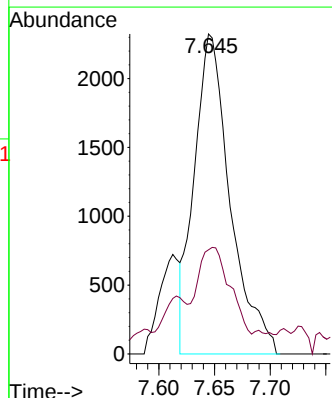
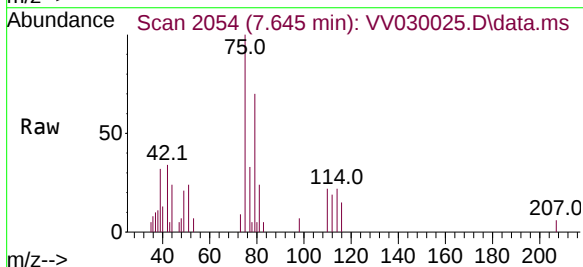
Acq: 02 Feb 2023 15:54

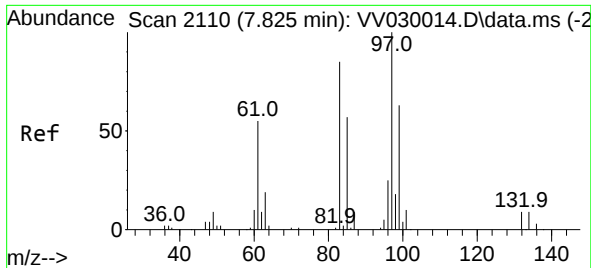
Tgt Ion: 75 Resp: 5223

Ion Ratio Lower Upper

75 100

77 32.5 21.9 40.7

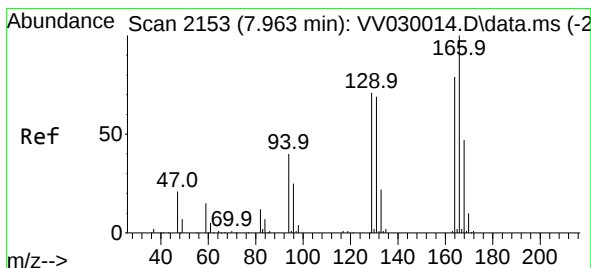
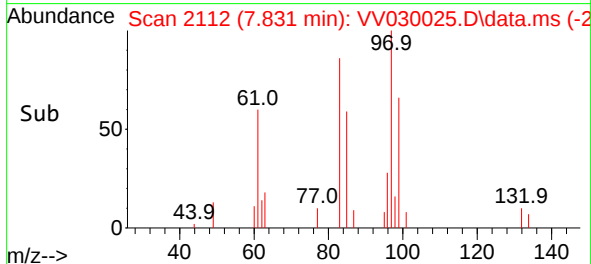
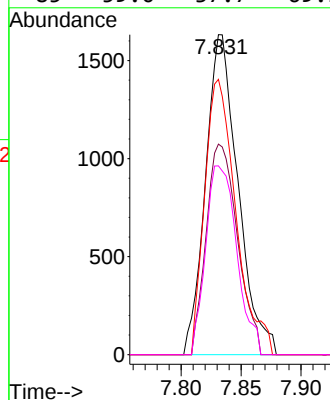
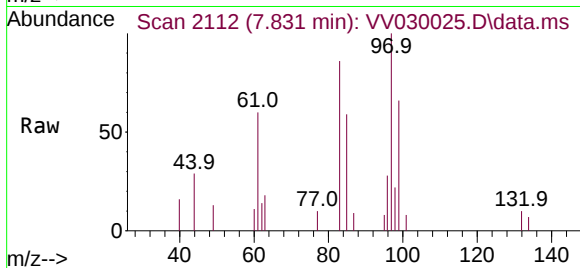




#45
1,1,2-Trichloroethane
Concen: 0.225 ug/L
RT: 7.831 min Scan# 2110
Delta R.T. 0.006 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

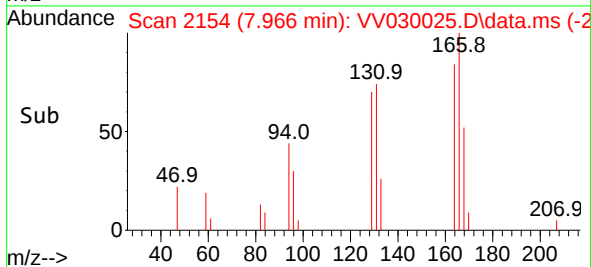
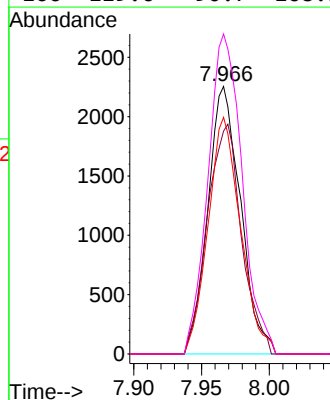
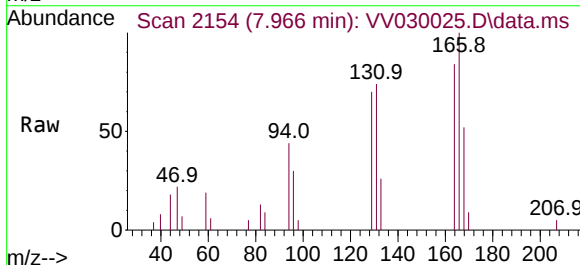
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01

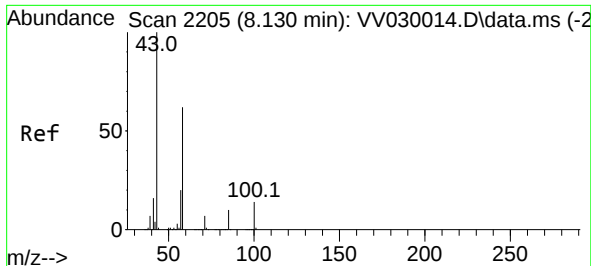
Tgt Ion: 97	Resp: 3075
Ion Ratio	Lower Upper
97 100	
99 65.8	41.9 77.7
83 86.0	58.7 109.1
85 59.0	37.7 69.9



#47
Tetrachloroethene
Concen: 0.219 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. 0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Tgt Ion:164	Resp: 3783
Ion Ratio	Lower Upper
164 100	
129 83.3	64.5 119.7
131 88.4	62.9 116.7
166 119.6	90.7 168.5





#48

2-Hexanone

Concen: 2.802 ug/L

RT: 8.140 min Scan# 2205

Delta R.T. 0.010 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-01

Tgt Ion: 43 Resp: 16206

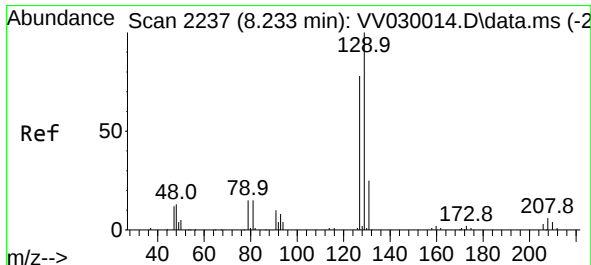
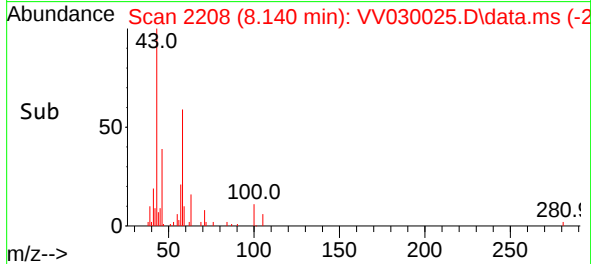
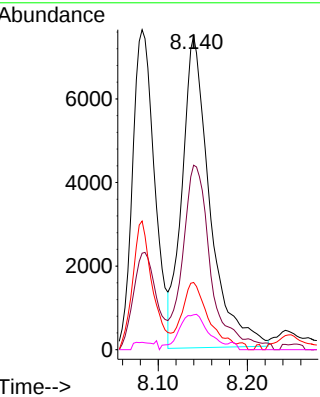
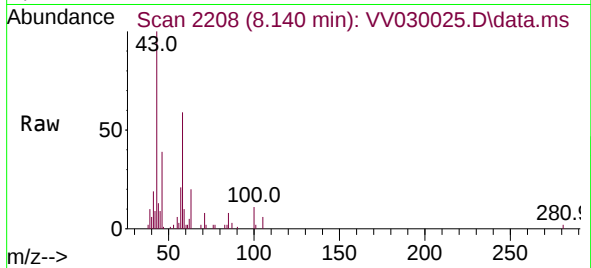
Ion Ratio Lower Upper

43 100

58 59.9 51.4 77.2

57 18.0 17.0 25.6

100 11.9 12.5 18.7#



#49

Dibromochloromethane

Concen: 0.213 ug/L

RT: 8.236 min Scan# 2238

Delta R.T. 0.003 min

Lab File: VV030025.D

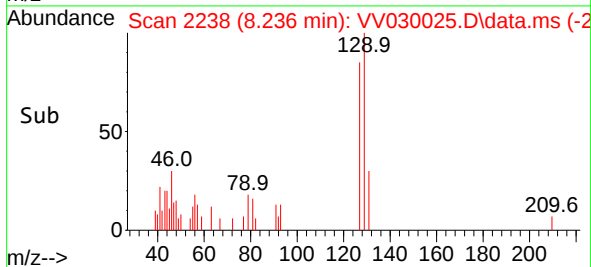
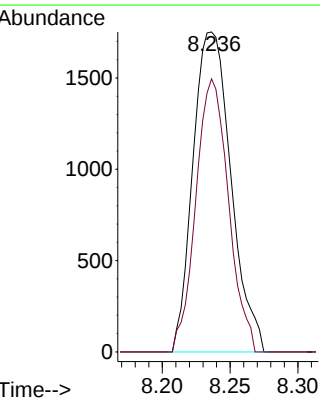
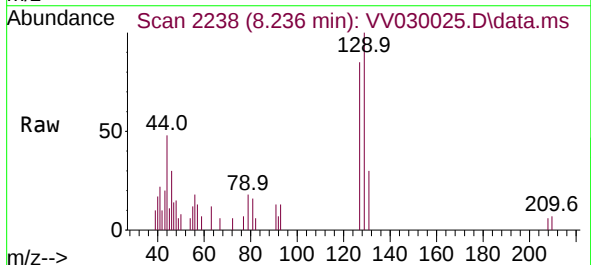
Acq: 02 Feb 2023 15:54

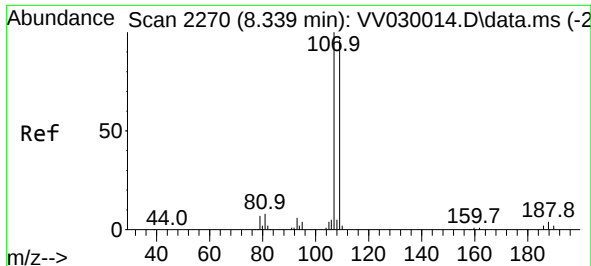
Tgt Ion: 129 Resp: 3416

Ion Ratio Lower Upper

129 100

127 85.3 54.1 100.5





#50

1,2-Dibromoethane

Concen: 0.219 ug/L

RT: 8.346 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

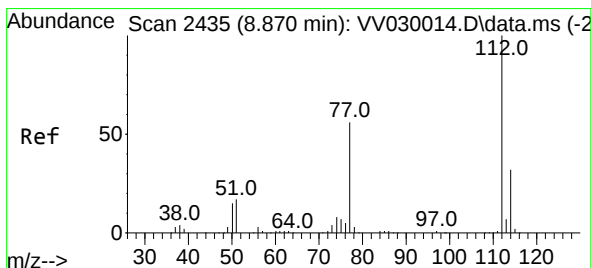
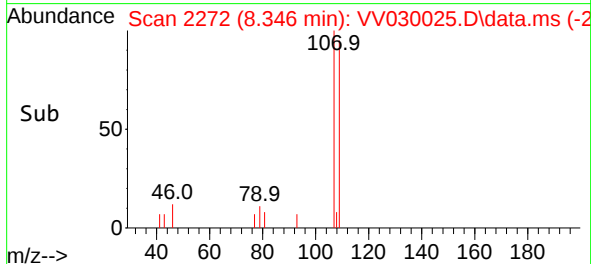
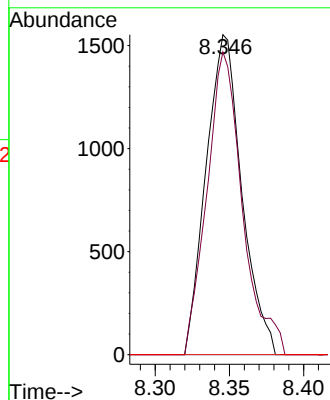
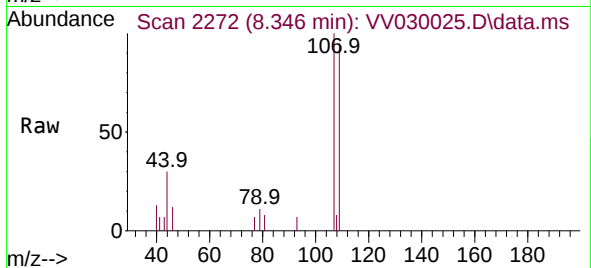
Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-01

Tgt Ion:107	Resp:	2599
Ion	Ratio	Lower Upper
107	100	
109	94.6	66.1 122.7
188	0.0	2.9 4.3#



#51

Chlorobenzene

Concen: 0.217 ug/L

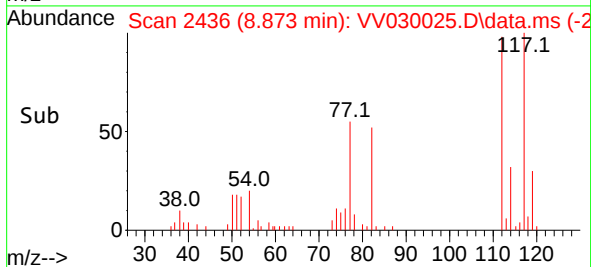
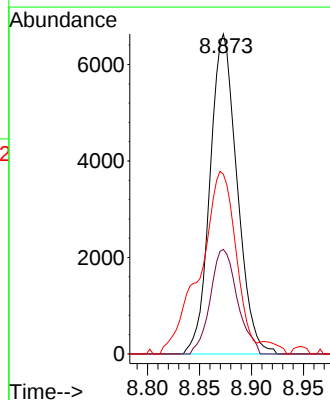
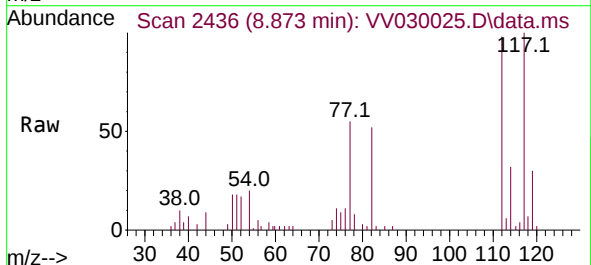
RT: 8.873 min Scan# 2436

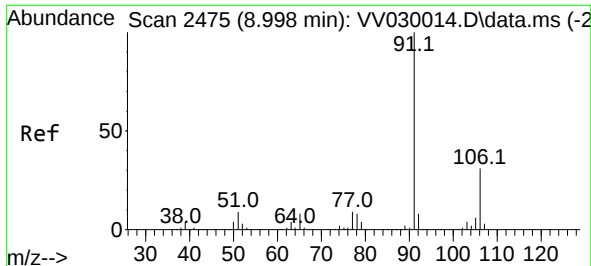
Delta R.T. 0.003 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

Tgt Ion:112	Resp:	12020
Ion	Ratio	Lower Upper
112	100	
114	32.6	22.5 41.9
77	56.2	46.1 69.1





#52

Ethylbenzene

Concen: 0.210 ug/L

RT: 9.005 min Scan# 2475

Delta R.T. 0.006 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

Instrument :

MSVOA_V

ClientSampleId :

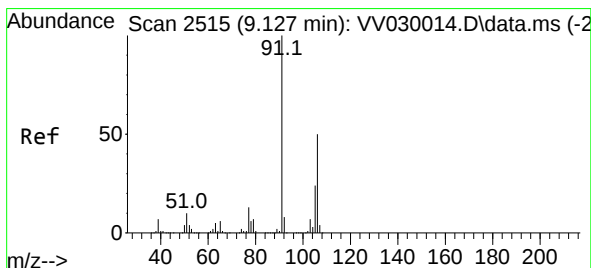
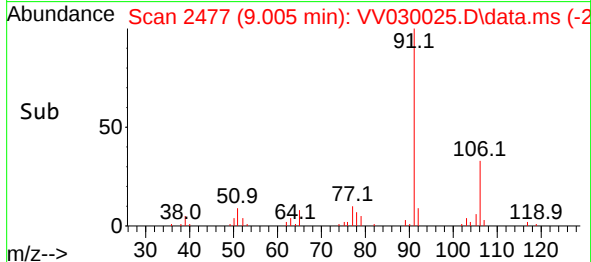
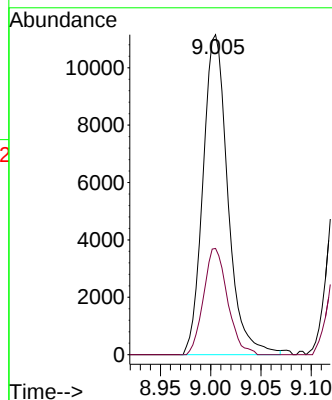
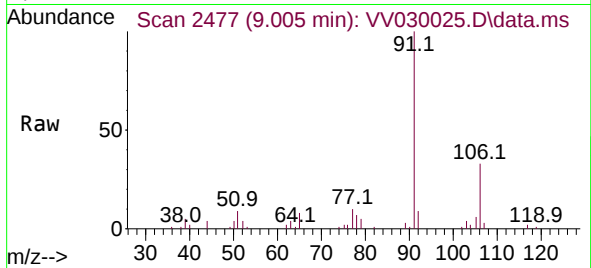
MDL-WATER-QT1-2023-01

Tgt Ion: 91 Resp: 19197

Ion Ratio Lower Upper

91 100

106 33.2 21.9 40.7



#53

m,p-Xylene

Concen: 0.206 ug/L

RT: 9.130 min Scan# 2516

Delta R.T. 0.003 min

Lab File: VV030025.D

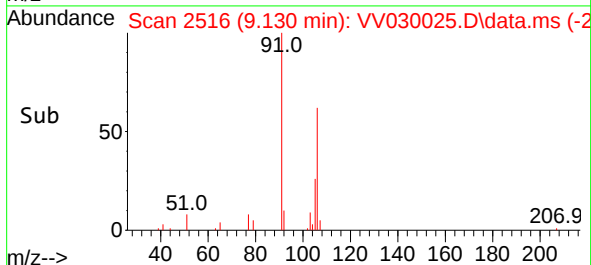
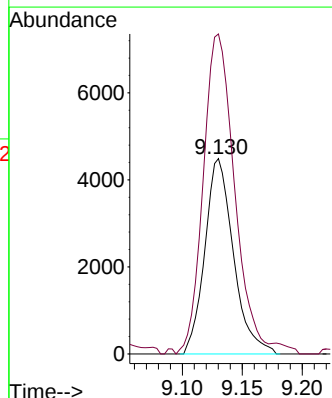
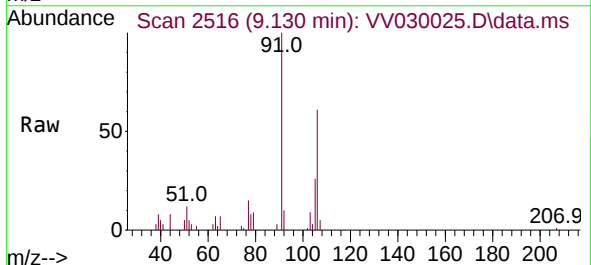
Acq: 02 Feb 2023 15:54

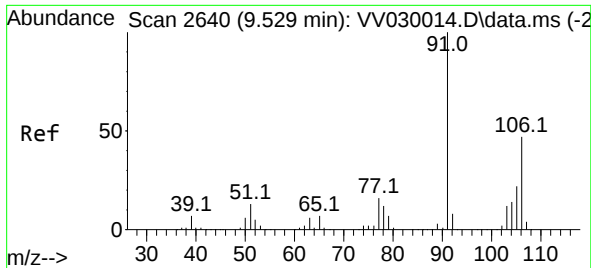
Tgt Ion: 106 Resp: 7451

Ion Ratio Lower Upper

106 100

91 163.9 138.7 257.7

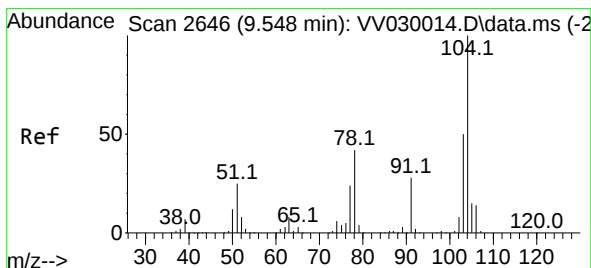
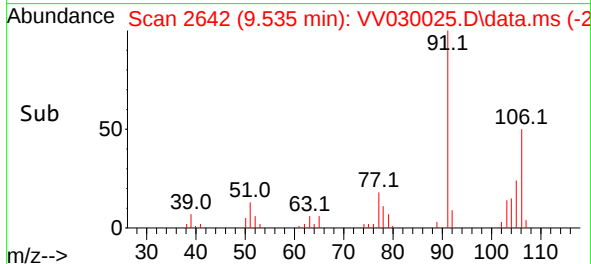
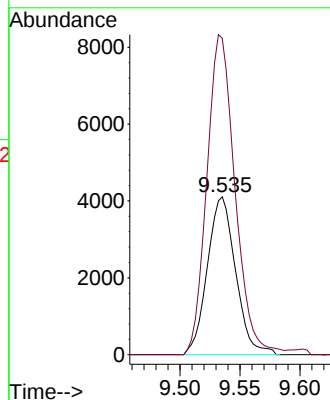
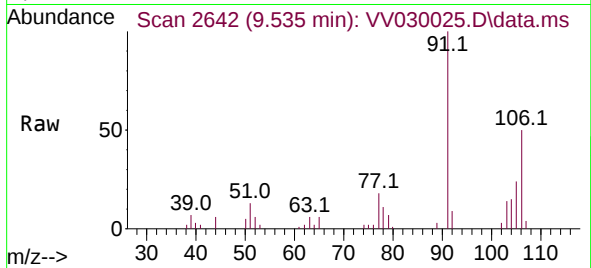




#54
o-Xylene
Concen: 0.196 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.006 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

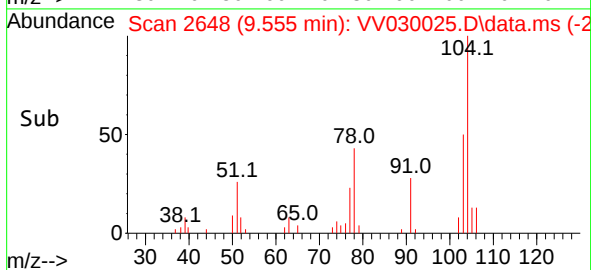
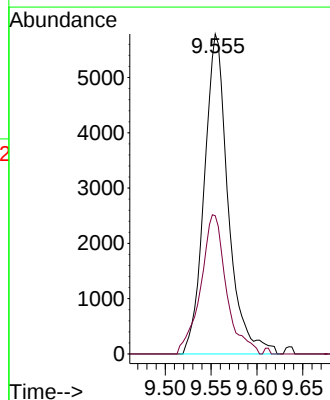
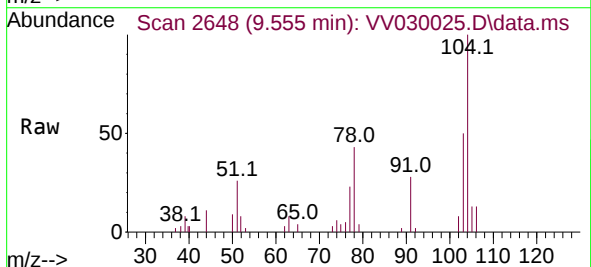
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT1-2023-01

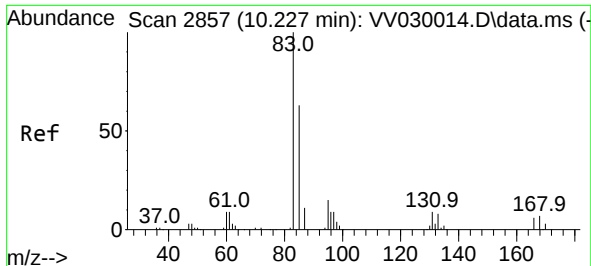
Tgt Ion:106 Resp: 6728
Ion Ratio Lower Upper
106 100
91 200.3 147.7 274.3



#55
Styrene
Concen: 0.177 ug/L
RT: 9.555 min Scan# 2648
Delta R.T. 0.006 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Tgt Ion:104 Resp: 10462
Ion Ratio Lower Upper
104 100
78 43.2 28.6 53.2





#57

1,1,2,2-Tetrachloroethane

Concen: 0.257 ug/L

RT: 10.230 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-01

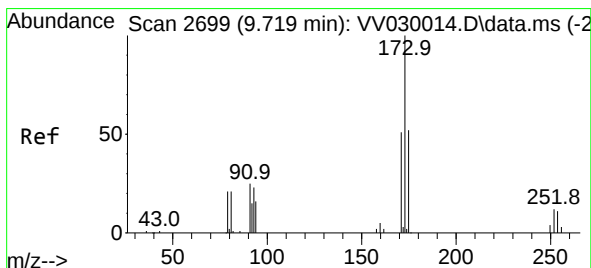
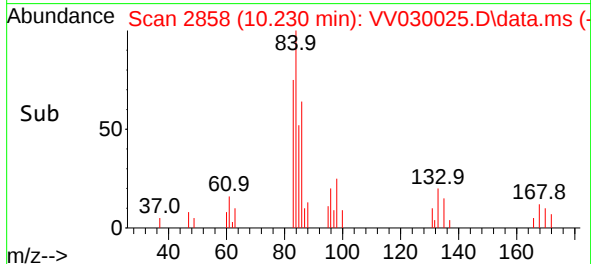
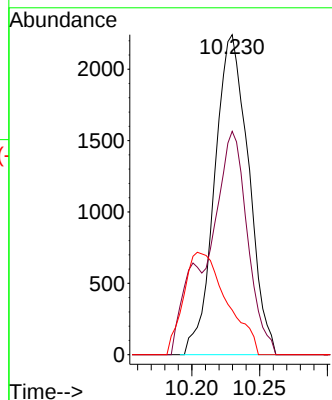
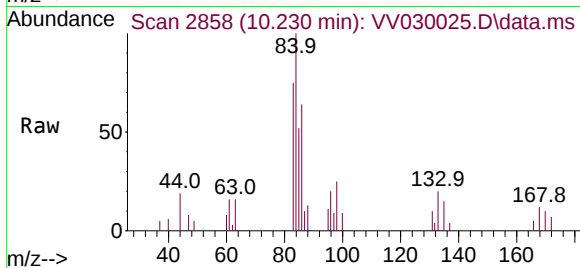
Tgt Ion: 83 Resp: 3897

Ion Ratio Lower Upper

83 100

85 69.8 46.0 85.4

131 14.0 8.4 12.6#



#59

Bromoform

Concen: 0.219 ug/L

RT: 9.725 min Scan# 2701

Delta R.T. 0.006 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

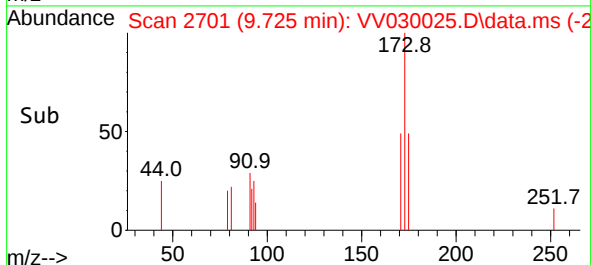
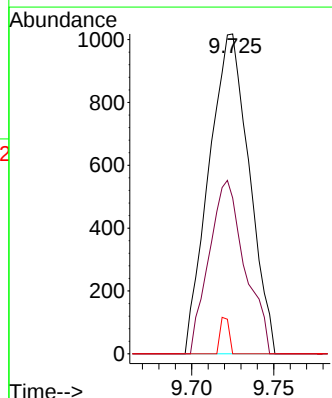
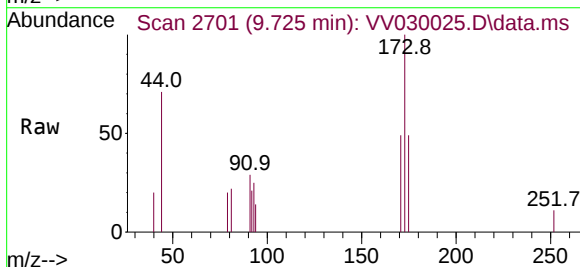
Tgt Ion: 173 Resp: 1732

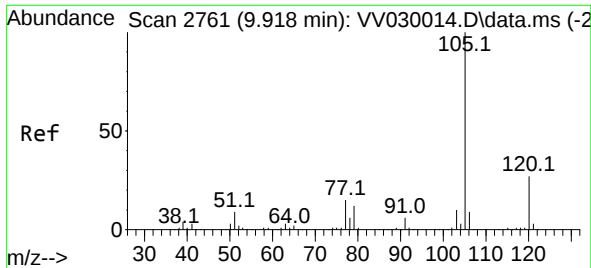
Ion Ratio Lower Upper

173 100

175 48.2 38.6 57.8

254 2.5 7.9 11.9#

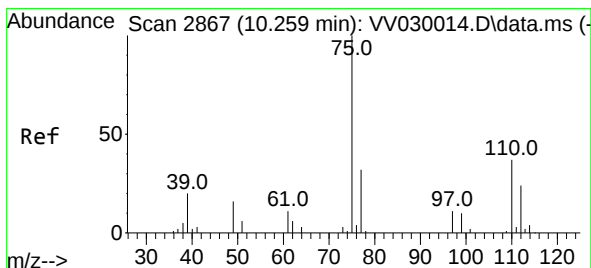
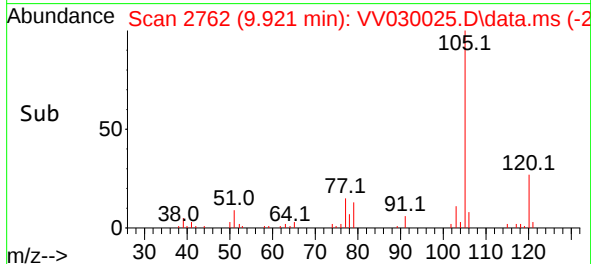
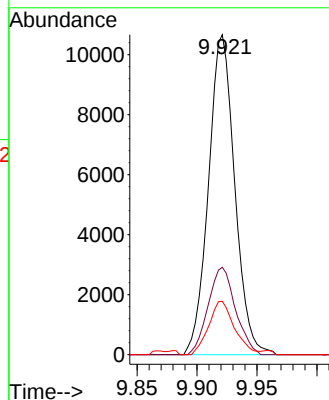
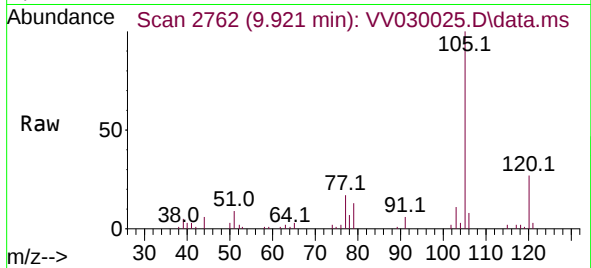




#60
Isopropylbenzene
Concen: 0.208 ug/L
RT: 9.921 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

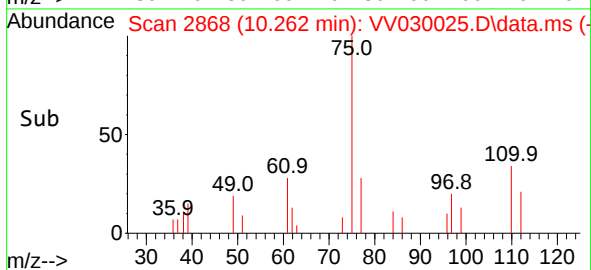
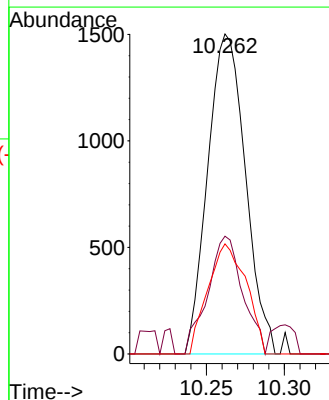
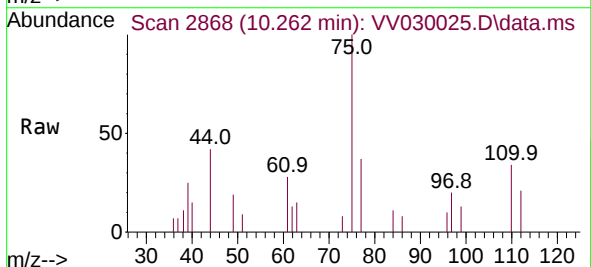
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01

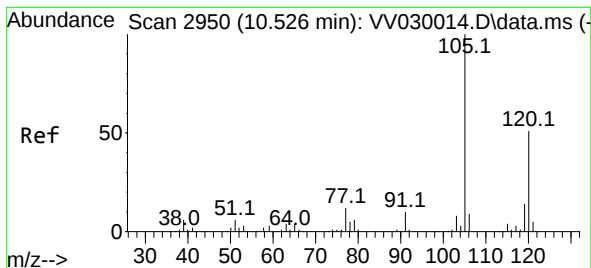
Tgt Ion:	105	Resp:	16245
Ion	Ratio	Lower	Upper
105	100		
120	28.4	21.2	31.8
77	16.4	11.8	17.8



#61
1,2,3-Trichloropropane
Concen: 0.280 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. 0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Tgt Ion:	75	Resp:	2524
Ion	Ratio	Lower	Upper
75	100		
77	34.3	26.5	39.7
110	35.0	31.8	47.8





#62

1,3,5-Trimethylbenzene

Concen: 0.189 ug/L

RT: 10.526 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

Instrument :

MSVOA_V

ClientSampleId :

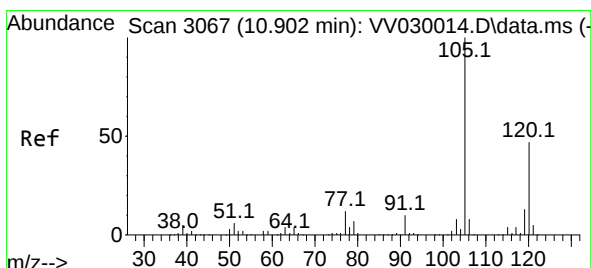
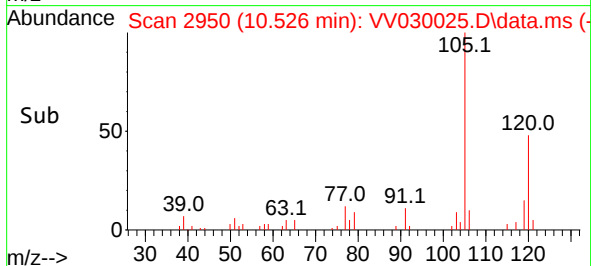
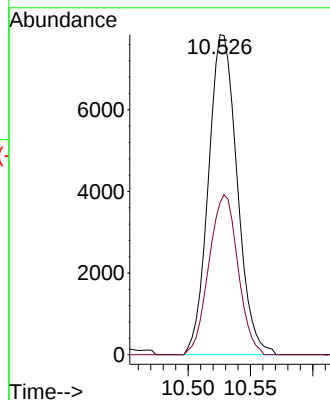
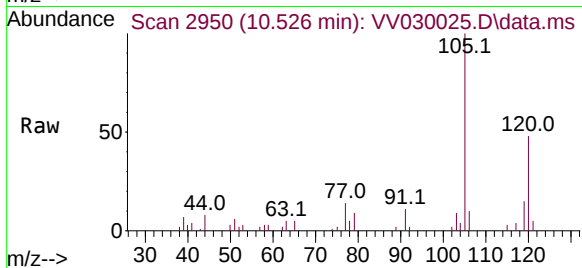
MDL-WATER-QT1-2023-01

Tgt Ion:105 Resp: 12599

Ion Ratio Lower Upper

105 100

120 50.3 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 0.203 ug/L

RT: 10.902 min Scan# 3067

Delta R.T. -0.000 min

Lab File: VV030025.D

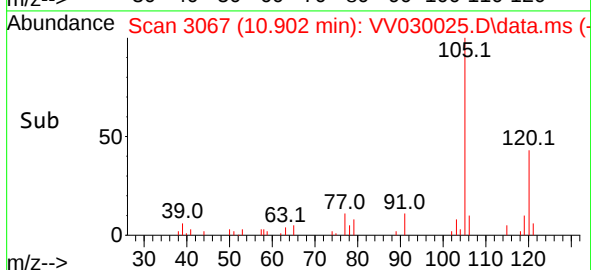
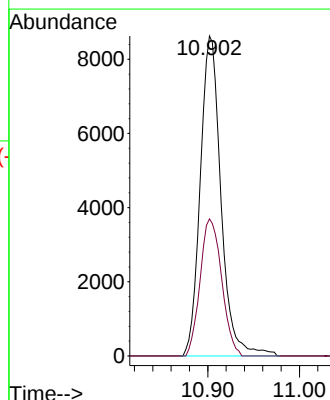
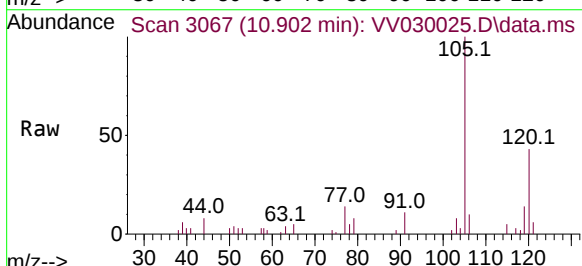
Acq: 02 Feb 2023 15:54

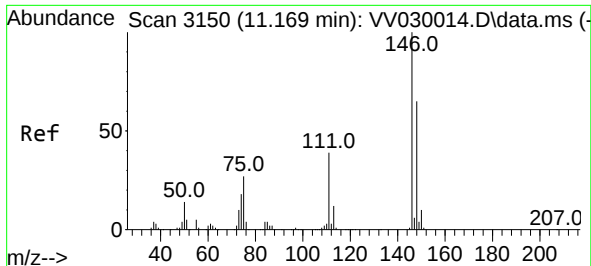
Tgt Ion:105 Resp: 13524

Ion Ratio Lower Upper

105 100

120 44.5 37.4 56.0

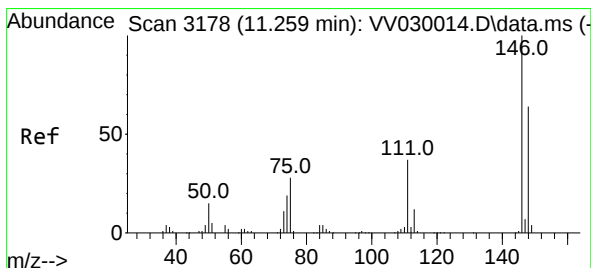
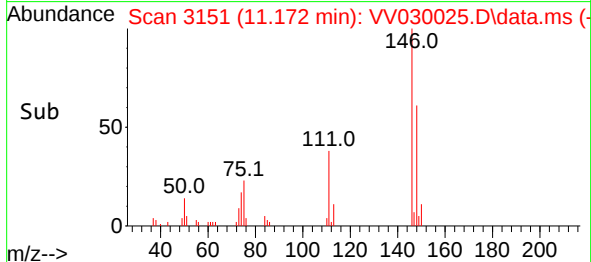
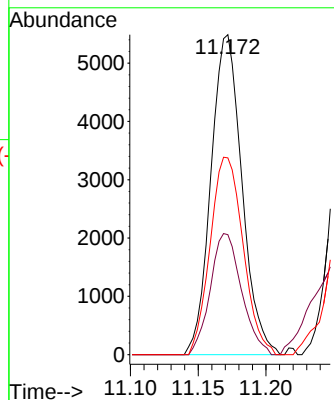
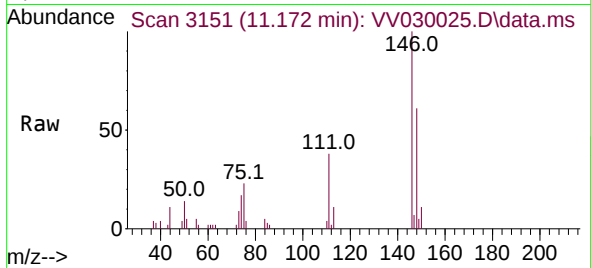




#64
1,3-Dichlorobenzene
Concen: 0.221 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

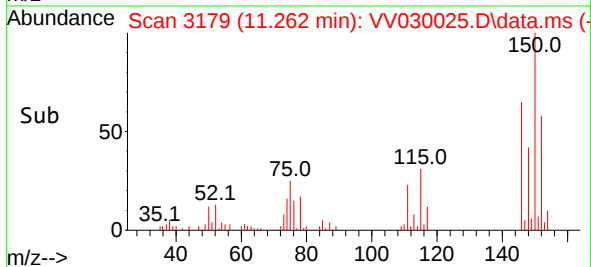
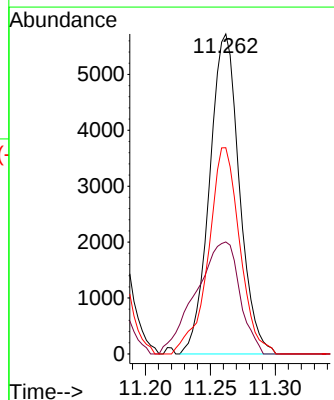
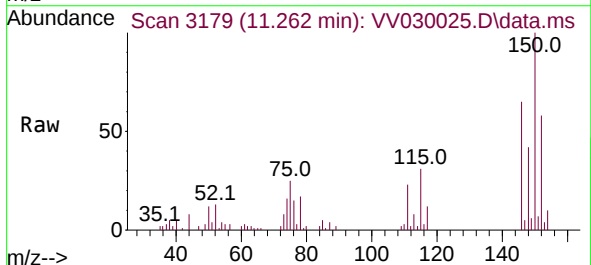
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01

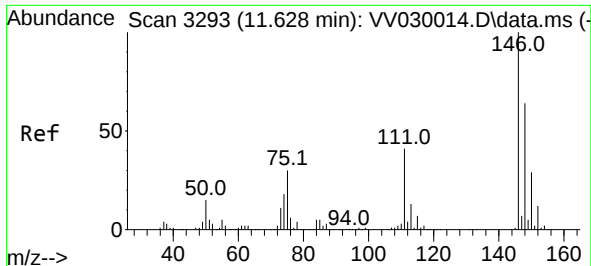
Tgt Ion:146	Resp:	8731
Ion Ratio	Lower	Upper
146	100	
111	37.5	27.2 50.6
148	61.5	44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 0.231 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. 0.003 min
Lab File: VV030025.D
Acq: 02 Feb 2023 15:54

Tgt Ion:146	Resp:	9123
Ion Ratio	Lower	Upper
146	100	
111	35.0	26.5 49.1
148	64.5	45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 0.253 ug/L

RT: 11.628 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-01

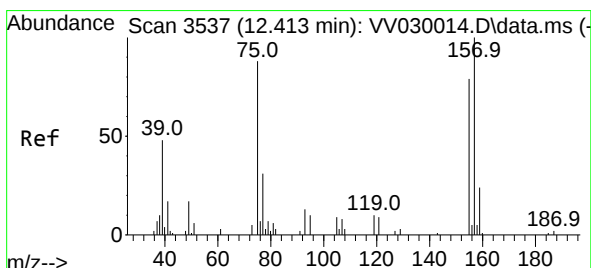
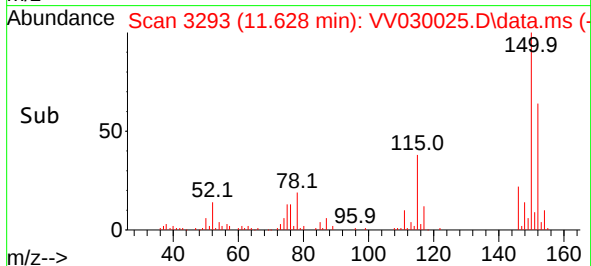
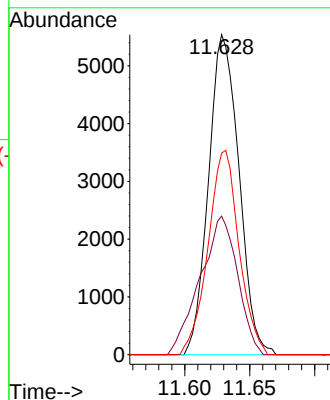
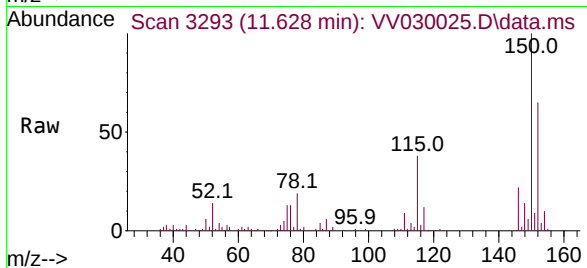
Tgt Ion:146 Resp: 9017

Ion Ratio Lower Upper

146 100

111 43.3 31.8 47.8

148 63.0 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 0.262 ug/L

RT: 12.416 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

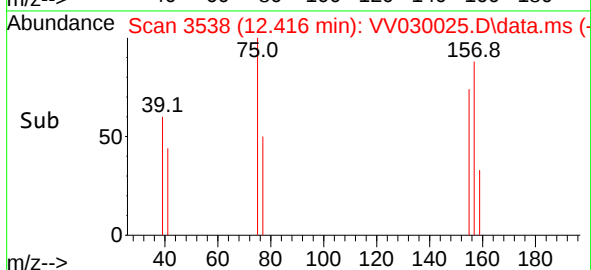
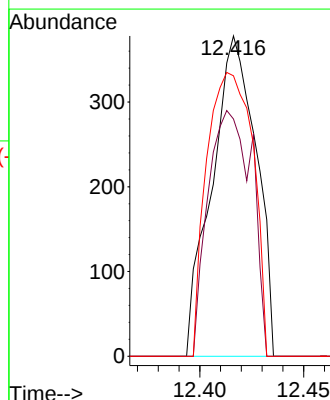
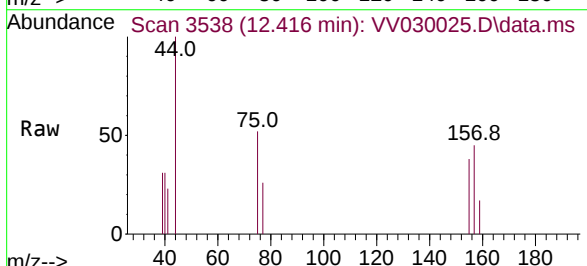
Tgt Ion: 75 Resp: 560

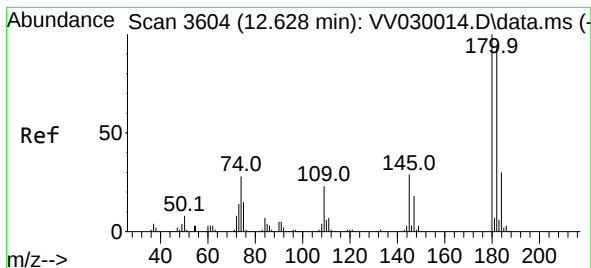
Ion Ratio Lower Upper

75 100

155 74.1 75.5 113.3#

157 87.6 99.2 148.8#





#69

1,3,5-Trichlorobenzene

Concen: 0.220 ug/L

RT: 12.632 min Scan# 3605

Delta R.T. 0.003 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-01

Tgt Ion:180 Resp: 7006

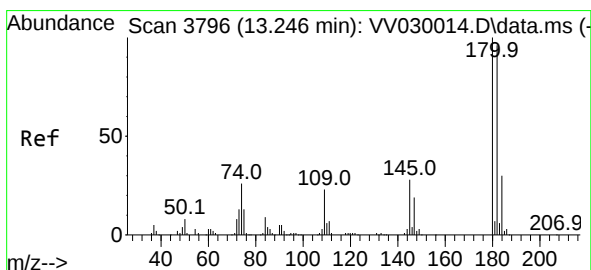
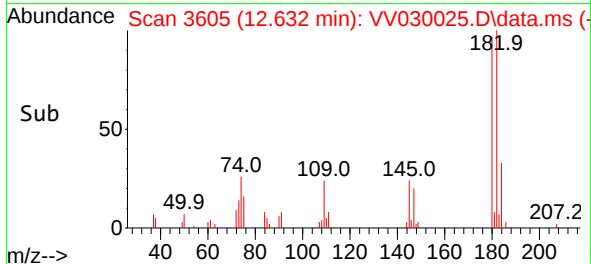
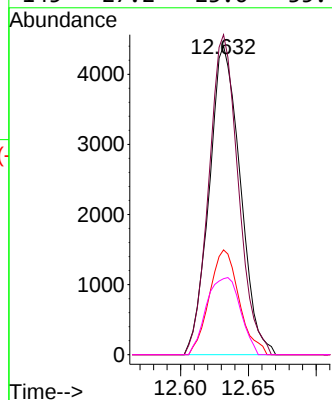
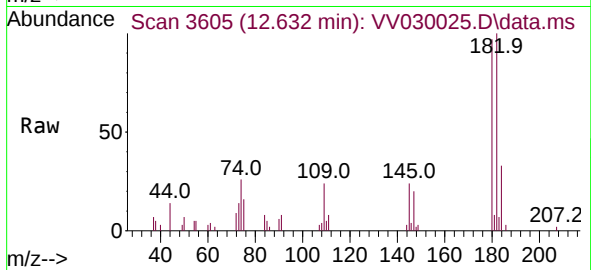
Ion Ratio Lower Upper

180 100

182 98.2 75.4 113.2

184 32.5 23.9 35.9

145 27.2 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 0.224 ug/L

RT: 13.249 min Scan# 3797

Delta R.T. 0.003 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

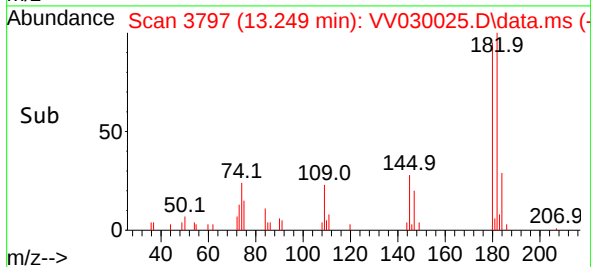
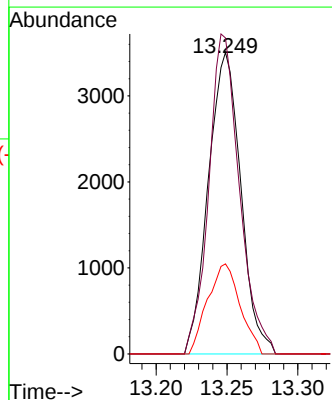
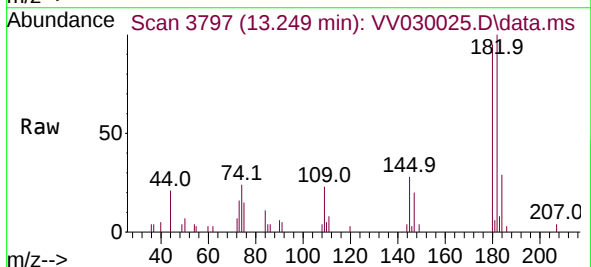
Tgt Ion:180 Resp: 5568

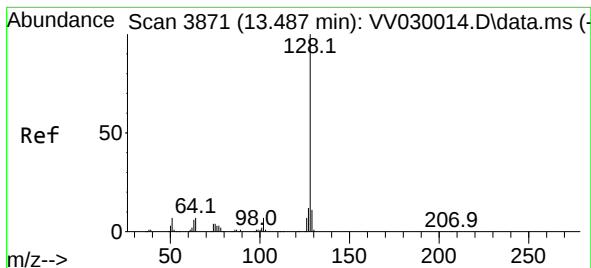
Ion Ratio Lower Upper

180 100

182 100.3 75.8 113.8

145 29.9 23.7 35.5





#71

Naphthalene

Concen: 0.231 ug/L

RT: 13.493 min Scan# 3871

Delta R.T. 0.006 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

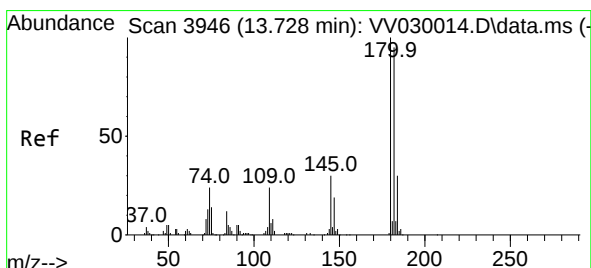
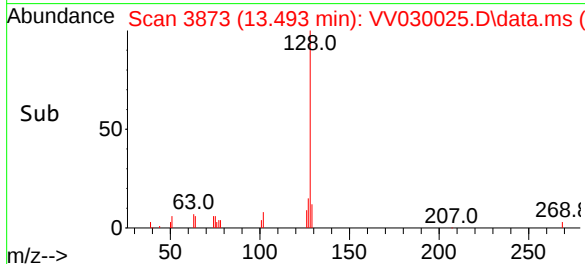
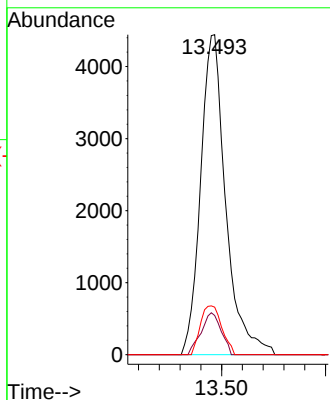
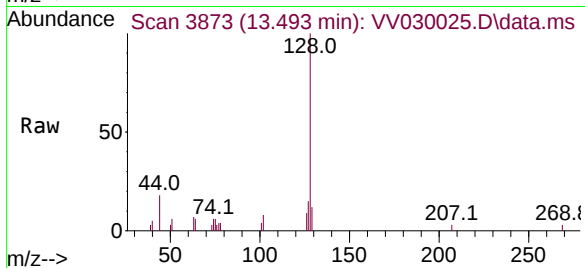
Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-01

Tgt Ion:128	Resp:	7450
Ion	Ratio	Lower Upper
128	100	
129	10.4	8.6 12.8
127	13.0	10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 0.231 ug/L

RT: 13.731 min Scan# 3947

Delta R.T. 0.003 min

Lab File: VV030025.D

Acq: 02 Feb 2023 15:54

Tgt Ion:180	Resp:	4771
Ion	Ratio	Lower Upper
180	100	
182	90.4	75.5 113.3
145	29.2	25.0 37.6

