

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100323\
 Data File : VW032213.D
 Acq On : 03 Oct 2023 13:29
 Operator : SY/MD
 Sample : 04696-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2023-07

Quant Time: Oct 04 04:06:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 04 04:04:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	170269	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	169236	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	84975	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	58368	55.393	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 110.780%	
7) Chloroethane-d5	1.532	69	51332	56.480	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 112.960%	
11) 1,1-Dichloroethene-d2	2.060	65	24466	53.174	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 106.340%	
21) 2-Butanone-d5	3.786	46	104016	109.784	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 109.780%	
24) Chloroform-d	4.252	84	112609	51.069	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 102.140%	
26) 1,2-Dichloroethane-d4	4.944	65	76485	57.650	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 115.300%	
32) Benzene-d6	4.963	84	228287	51.313	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 102.620%	
36) 1,2-Dichloropropane-d6	5.992	67	81783	55.086	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 110.180%	
41) Toluene-d8	7.246	98	201833	49.729	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 99.460%	
43) trans-1,3-Dichloroprop...	7.555	79	35264	49.930	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 99.860%	
47) 2-Hexanone-d5	8.027	63	59925	93.470	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 93.470%	
56) 1,1,2,2-Tetrachloroeth...	10.156	84	103160	48.855	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 97.720%	
66) 1,2-Dichlorobenzene-d4	11.564	152	78929	51.219	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 102.440%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	3340	2.317	ug/L	99
3) Chloromethane	1.217	50	4410	2.821	ug/L	96
5) Vinyl chloride	1.282	62	4217	2.738	ug/L #	66
6) Bromomethane	1.484	94	2831	3.240	ug/L	100
8) Chloroethane	1.548	64	2925	3.051	ug/L	91
9) Trichlorofluoromethane	1.716	101	5263	2.663	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	3732	3.131	ug/L	87
12) 1,1-Dichloroethene	2.069	96	3504	3.177	ug/L #	1
13) Acetone	2.114	43	5931	6.691	ug/L	95
14) Carbon disulfide	2.243	76	8333	2.361	ug/L	100
15) Methyl Acetate	2.381	43	5360	3.390	ug/L #	75
16) Methylene chloride	2.449	84	4952	3.556	ug/L	94
17) trans-1,2-Dichloroethene	2.700	96	3272	2.632	ug/L	94
18) Methyl tert-butyl Ether	2.709	73	13118	3.154	ug/L	96
19) 1,1-Dichloroethane	3.117	63	7427	3.047	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	4026	2.876	ug/L	94
22) 2-Butanone	3.908	43	7450m	6.261	ug/L	
23) Bromochloromethane	4.156	128	2071m	2.954	ug/L	
25) Chloroform	4.285	83	8441	3.547	ug/L	99

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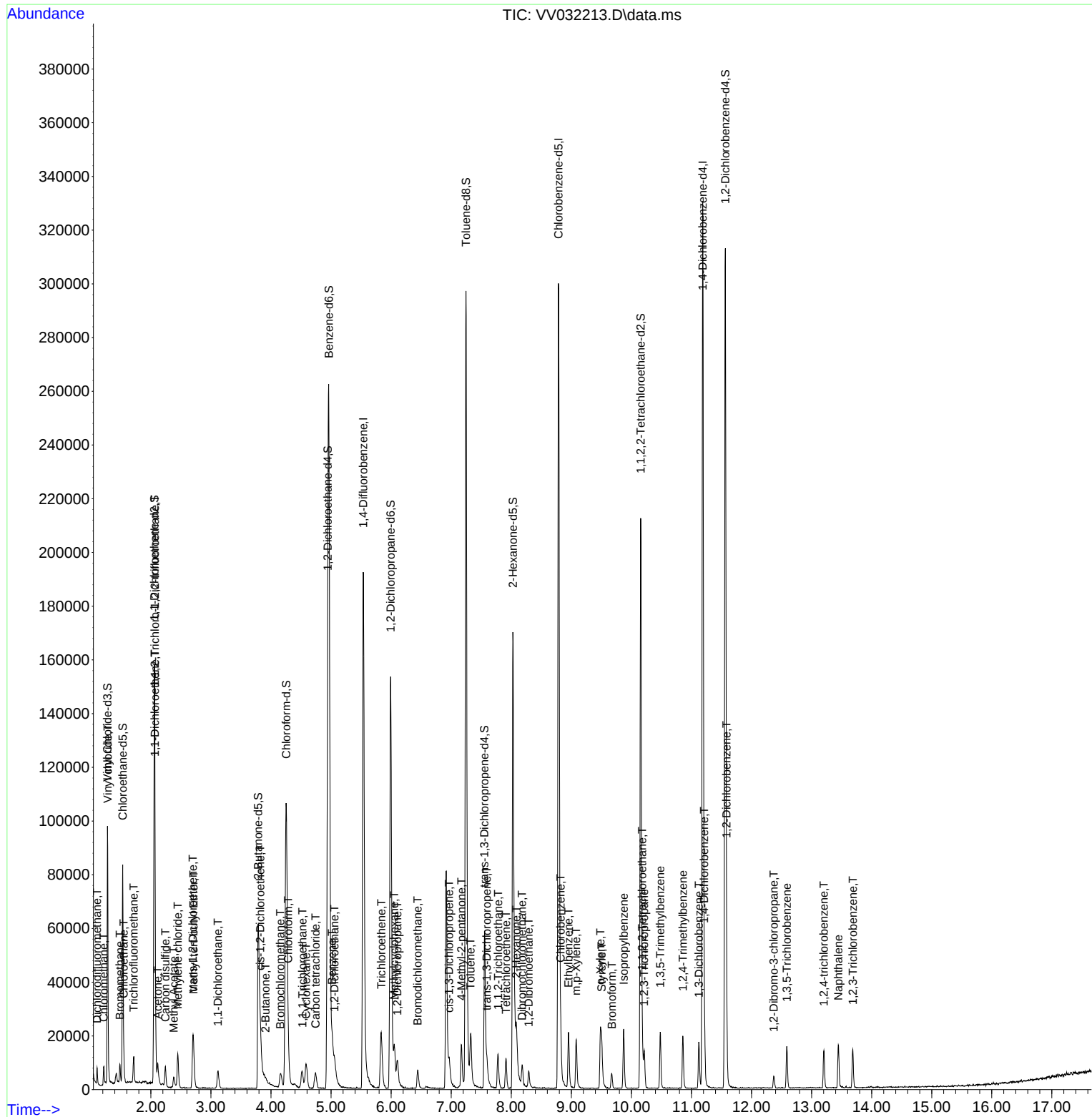
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.056	62	6063	3.371	ug/L #	93
29) Cyclohexane	4.584	56	5206	2.204	ug/L	91
30) 1,1,1-Trichloroethane	4.523	97	5538	2.624	ug/L	95
31) Carbon tetrachloride	4.741	117	4501	2.470	ug/L	100
33) Benzene	5.015	78	14915	2.763	ug/L	100
34) Trichloroethene	5.838	95	4260	2.866	ug/L	95
35) Methylcyclohexane	6.053	83	5987m	2.520	ug/L	
37) 1,2-Dichloropropane	6.104	63	3899	2.632	ug/L #	86
38) Bromodichloromethane	6.442	83	5261	2.825	ug/L	92
39) cis-1,3-Dichloropropene	6.966	75	6501m	2.767	ug/L	
40) 4-Methyl-2-pentanone	7.172	43	11699	5.299	ug/L	99
42) Toluene	7.323	91	14166	2.458	ug/L	97
44) trans-1,3-Dichloropropene	7.593	75	6190	2.877	ug/L	95
45) 1,1,2-Trichloroethane	7.780	97	4221	2.987	ug/L	98
46) Tetrachloroethene	7.912	164	2739	2.536	ug/L	88
48) 2-Hexanone	8.085	43	15902m	9.221	ug/L	
49) Dibromochloromethane	8.182	129	4071	2.898	ug/L	94
50) 1,2-Dibromoethane	8.291	107	4489	2.984	ug/L #	100
51) Chlorobenzene	8.821	112	9750	2.622	ug/L	98
52) Ethylbenzene	8.953	91	15433	2.397	ug/L	92
53) m,p-Xylene	9.082	106	5555	2.316	ug/L	91
54) o-Xylene	9.484	106	5595	2.368	ug/L	100
55) Styrene	9.506	104	9434	2.340	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.182	83	6879	3.124	ug/L	93
59) Bromoform	9.674	173	2617	2.772	ug/L #	96
60) Isopropylbenzene	9.873	105	13990	2.365	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	5199	3.147	ug/L #	91
62) 1,3,5-Trimethylbenzene	10.481	105	11094	2.283	ug/L	97
63) 1,2,4-Trimethylbenzene	10.857	105	10463	2.189	ug/L	98
64) 1,3-Dichlorobenzene	11.124	146	7093	2.565	ug/L	97
65) 1,4-Dichlorobenzene	11.214	146	7789	2.789	ug/L	96
67) 1,2-Dichlorobenzene	11.583	146	7809	2.871	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	1218	2.671	ug/L	92
69) 1,3,5-Trichlorobenzene	12.587	180	4835	2.415	ug/L	97
70) 1,2,4-trichlorobenzene	13.204	180	4537	2.410	ug/L	96
71) Naphthalene	13.445	128	13518	2.179	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	4206	2.248	ug/L	93

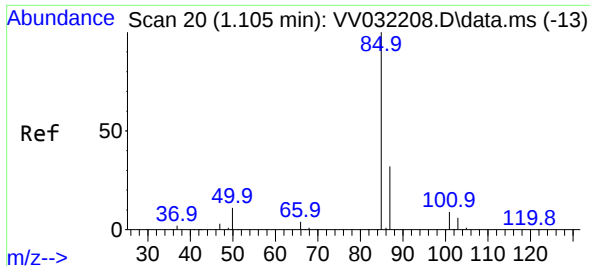
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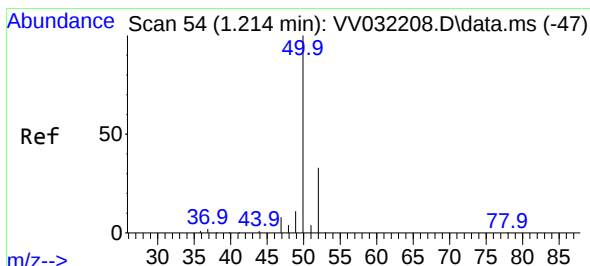
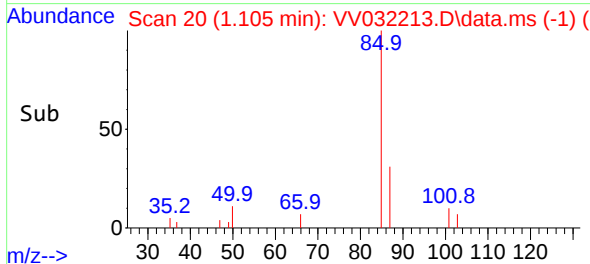
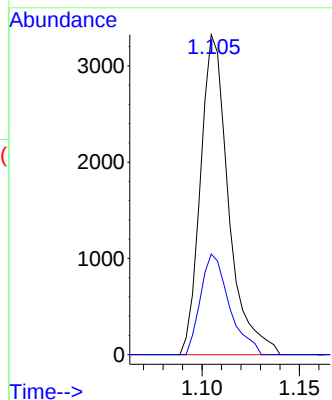
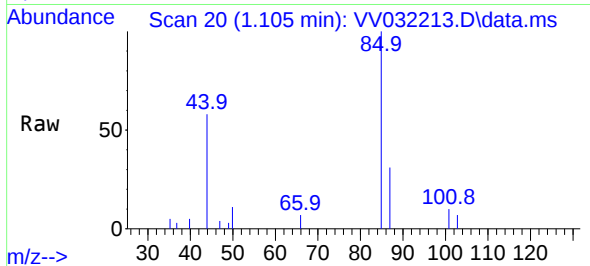




#2
 Dichlorodifluoromethane
 Concen: 2.317 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV032213.D
 Acq: 03 Oct 2023 13:29

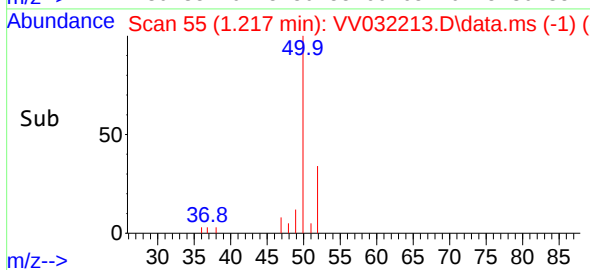
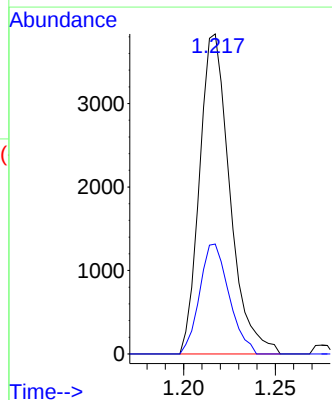
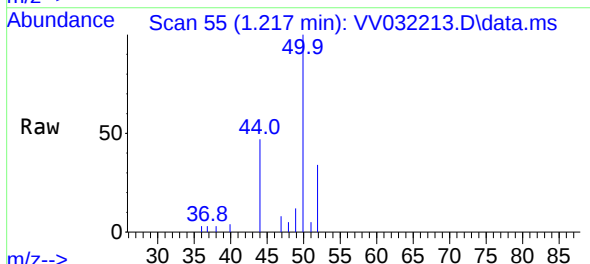
Instrument : MSVOA_V
 ClientSampleId : MDL-WATER-QT4-2023-07

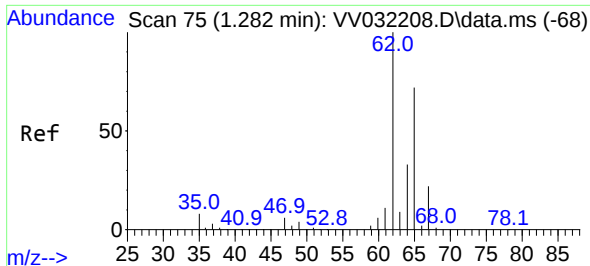
Tgt Ion: 85 Resp: 3340
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.4 38.0



#3
 Chloromethane
 Concen: 2.821 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.003 min
 Lab File: VV032213.D
 Acq: 03 Oct 2023 13:29

Tgt Ion: 50 Resp: 4410
 Ion Ratio Lower Upper
 50 100
 52 34.4 22.4 41.6

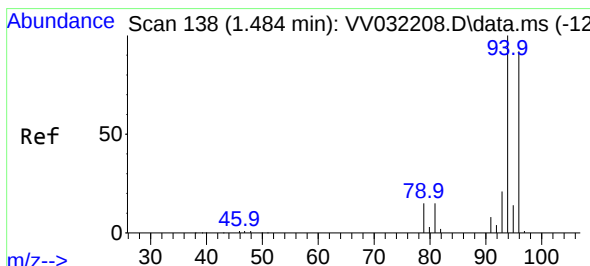
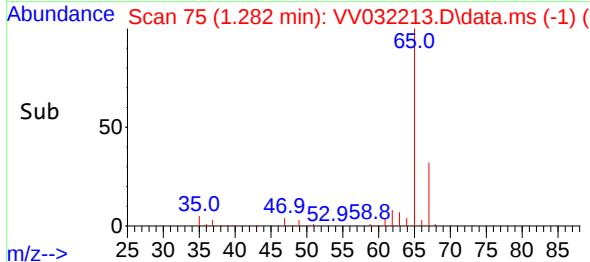
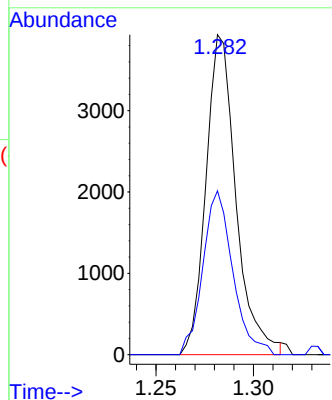
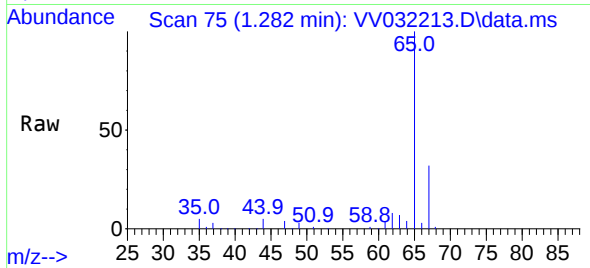




#5
 Vinyl chloride
 Concen: 2.738 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV032213.D
 Acq: 03 Oct 2023 13:29

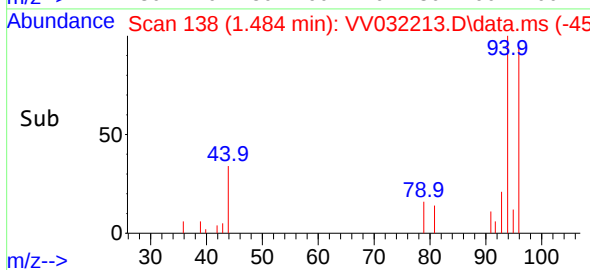
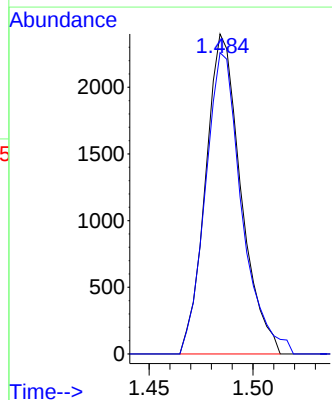
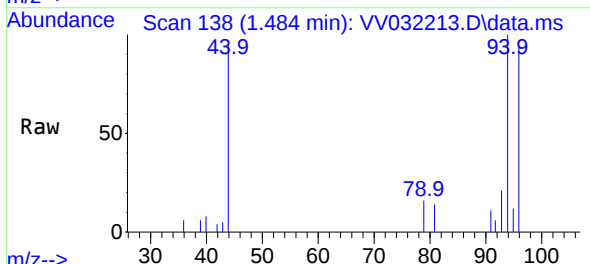
Instrument :
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 ClientSampleId :
 MDL-WATER-QT4-2023-07

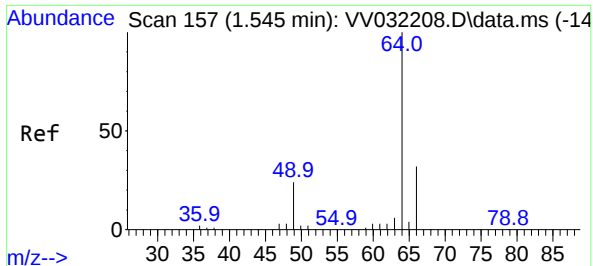
Tgt Ion: 62 Resp: 4217
 Ion Ratio Lower Upper
 62 100
 64 51.2 22.5 41.9#



#6
 Bromomethane
 Concen: 3.240 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV032213.D
 Acq: 03 Oct 2023 13:29

Tgt Ion: 94 Resp: 2831
 Ion Ratio Lower Upper
 94 100
 96 94.2 65.7 122.1





#8

Chloroethane

Concen: 3.051 ug/L

RT: 1.548 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV032213.D

Acq: 03 Oct 2023 13:29

Instrument :

MSVOA_V

ClientSampleId :

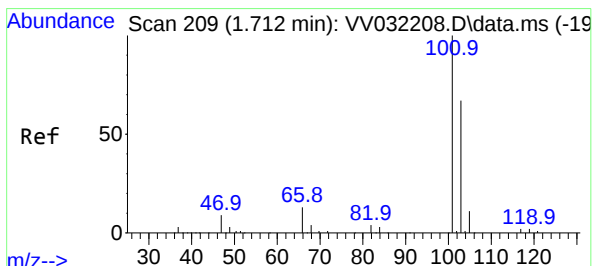
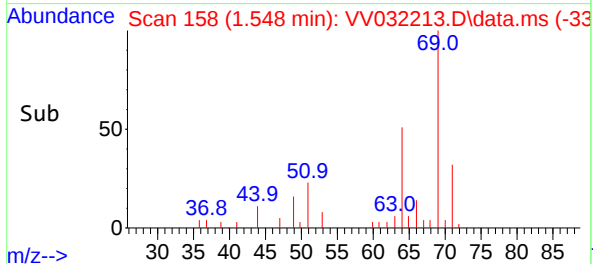
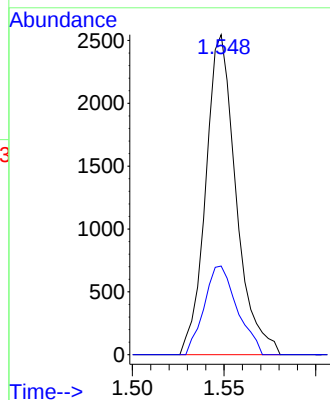
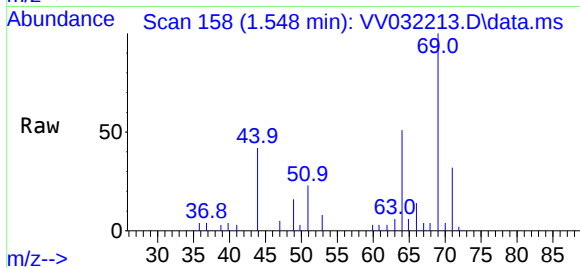
MDL-WATER-QT4-2023-07

Tgt Ion: 64 Resp: 2925

Ion Ratio Lower Upper

64 100

66 27.7 23.0 42.6



#9

Trichlorofluoromethane

Concen: 2.663 ug/L

RT: 1.716 min Scan# 210

Delta R.T. 0.003 min

Lab File: VV032213.D

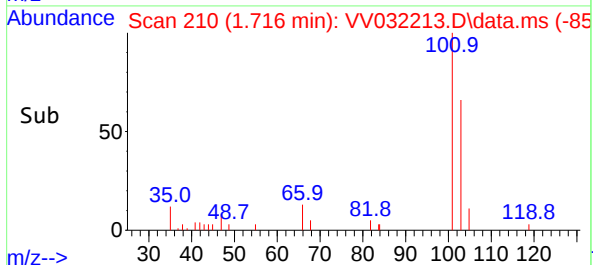
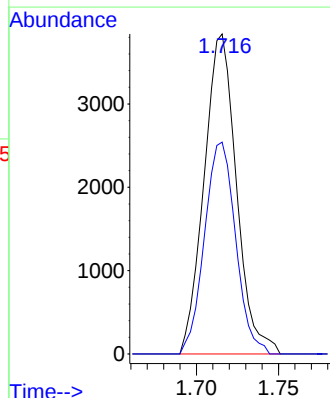
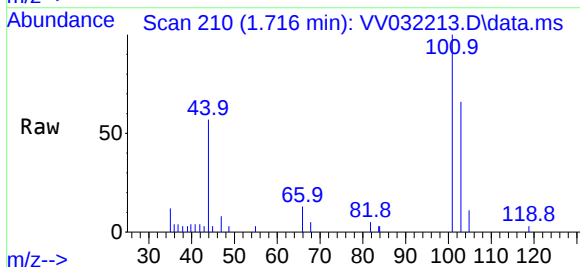
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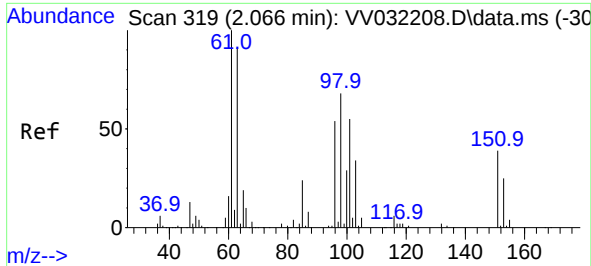
Tgt Ion:101 Resp: 5263

Ion Ratio Lower Upper

101 100

103 63.7 52.1 78.1

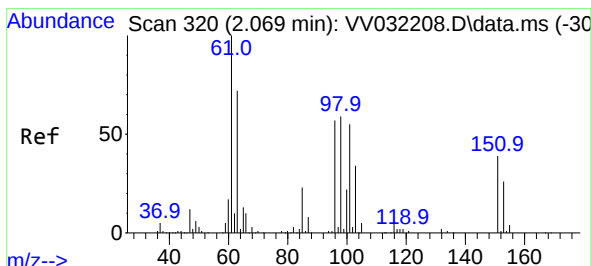
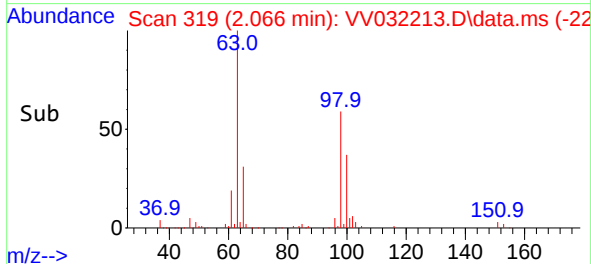
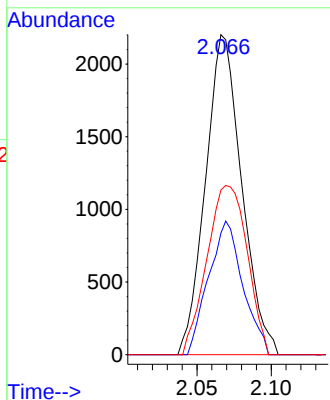
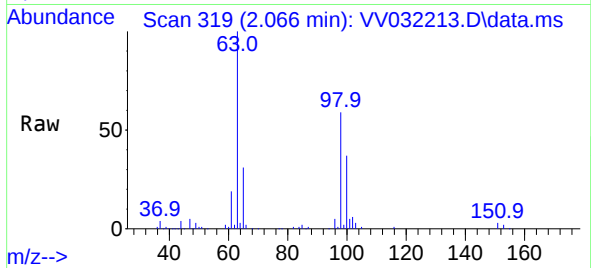




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.131 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. 0.000 min
 Lab File: VV032213.D
 Acq: 03 Oct 2023 13:29

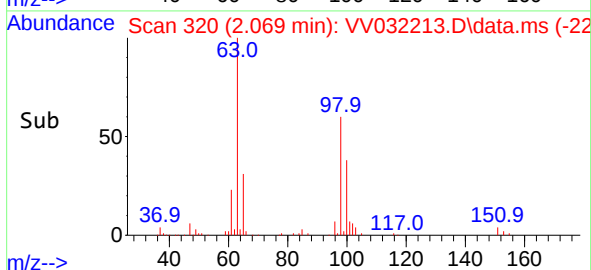
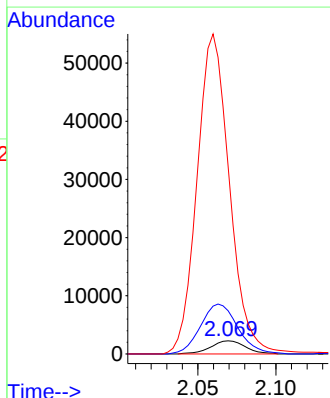
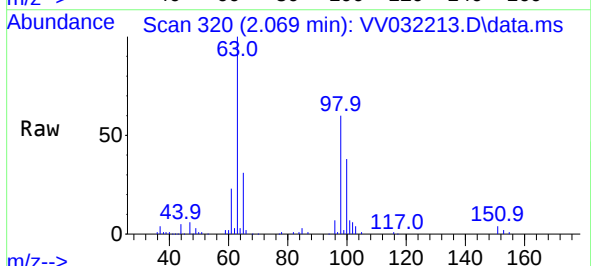
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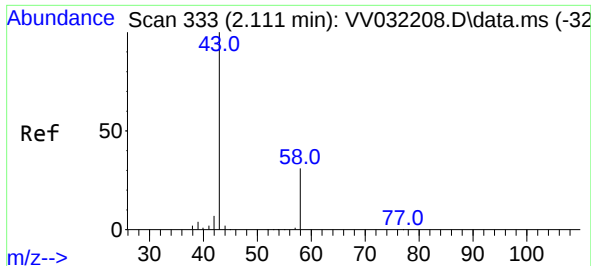
Tgt Ion:	101	Resp:	3732
Ion	Ratio	Lower	Upper
101	100		
85	39.6	35.4	53.2
151	58.9	57.6	86.4



#12
 1,1-Dichloroethene
 Concen: 3.177 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV032213.D
 Acq: 03 Oct 2023 13:29

Tgt Ion:	96	Resp:	3504
Ion	Ratio	Lower	Upper
96	100		
61	327.7	123.7	229.7#
63	1425.1	89.9	167.0#





#13

Acetone

Concen: 6.691 ug/L

RT: 2.114 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV032213.D

Acq: 03 Oct 2023 13:29

Instrument :

MSVOA_V

ClientSampleId :

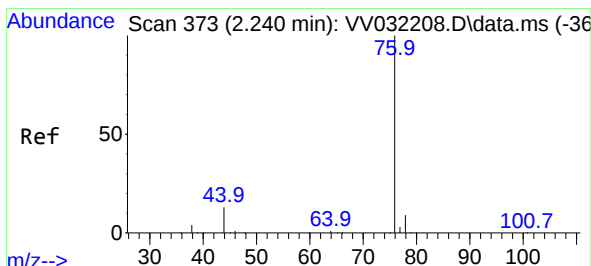
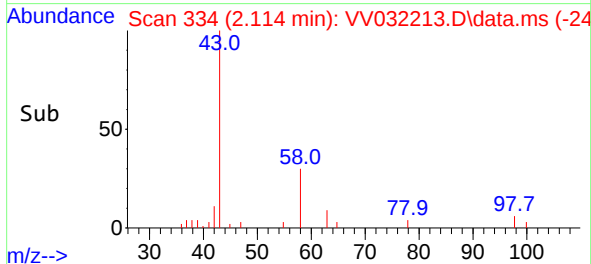
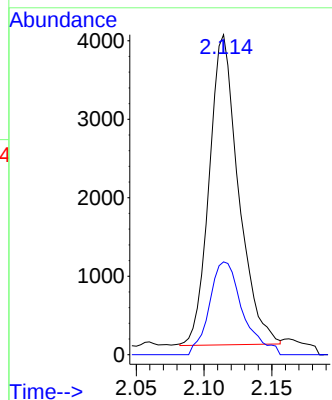
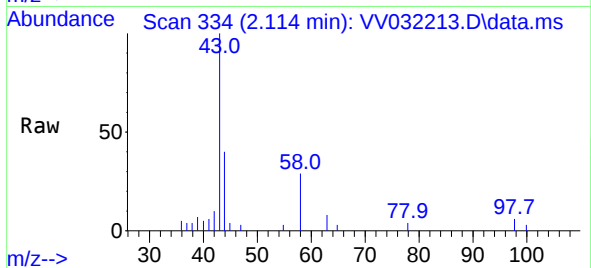
MDL-WATER-QT4-2023-07

Tgt Ion: 43 Resp: 5931

Ion Ratio Lower Upper

43 100

58 33.2 0.0 61.4



#14

Carbon disulfide

Concen: 2.361 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

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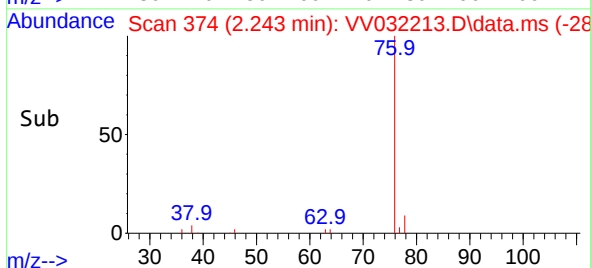
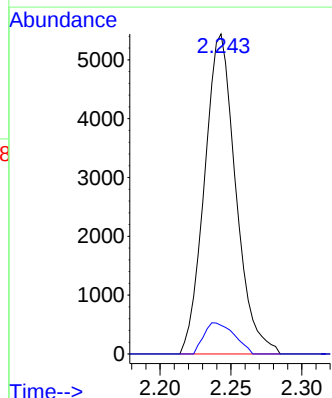
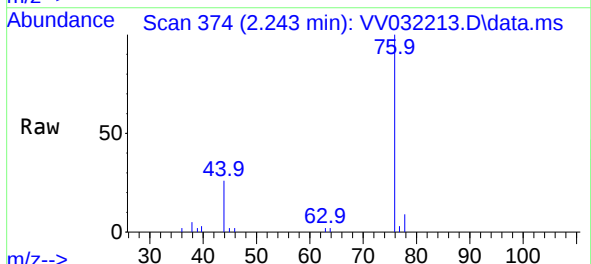
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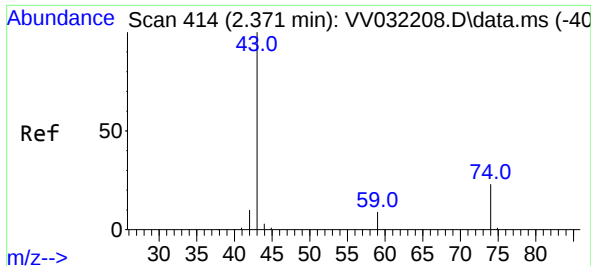
Tgt Ion: 76 Resp: 8333

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

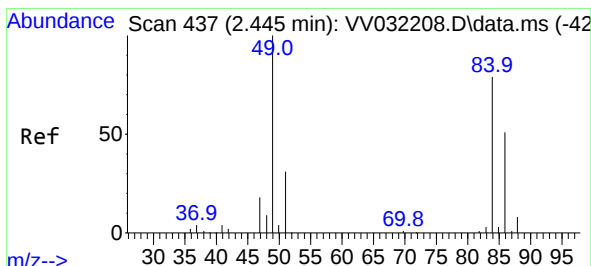
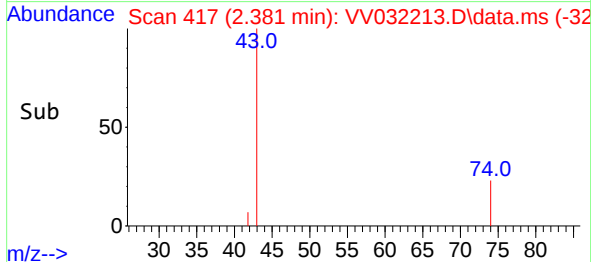
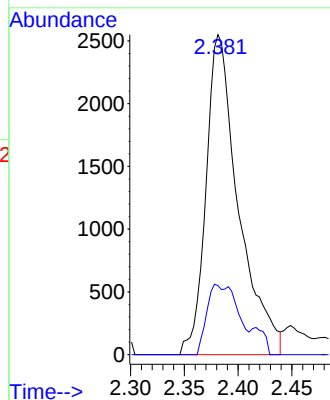
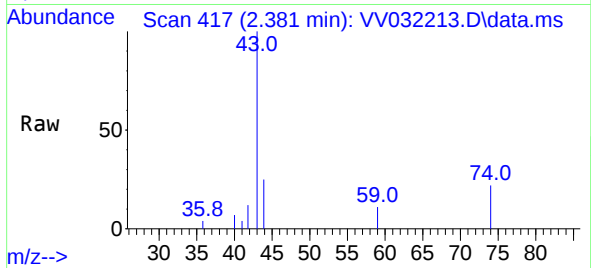




#15
Methyl Acetate
Concen: 3.390 ug/L
RT: 2.381 min Scan# 414
Delta R.T. 0.010 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

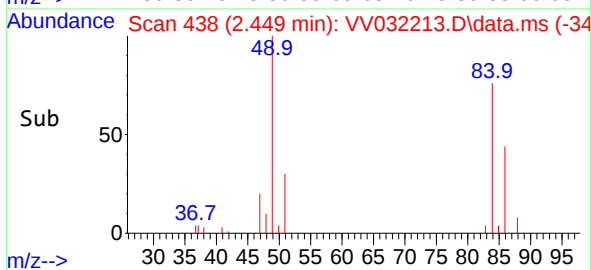
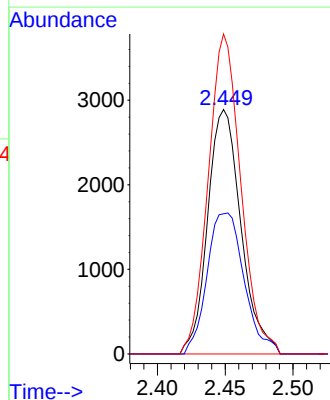
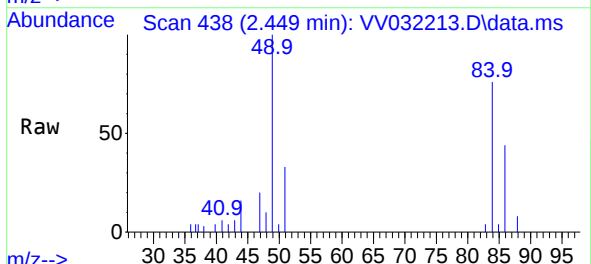
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07

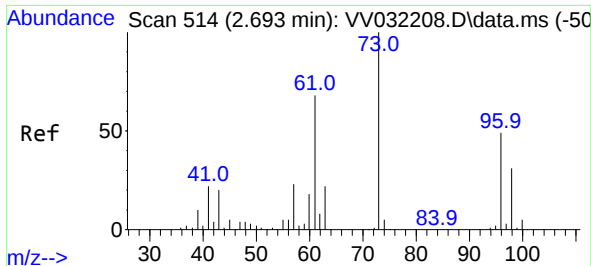
Tgt Ion: 43 Resp: 5360
Ion Ratio Lower Upper
43 100
74 10.2 17.8 26.8#



#16
Methylene chloride
Concen: 3.556 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

Tgt Ion: 84 Resp: 4952
Ion Ratio Lower Upper
84 100
86 57.3 45.4 84.4
49 130.9 88.5 164.4

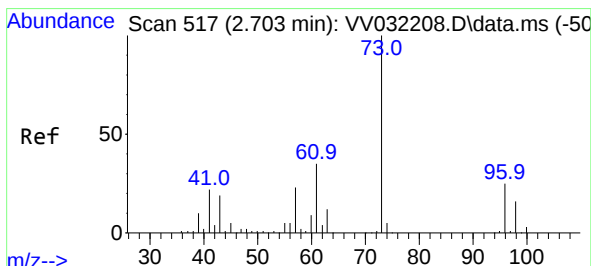
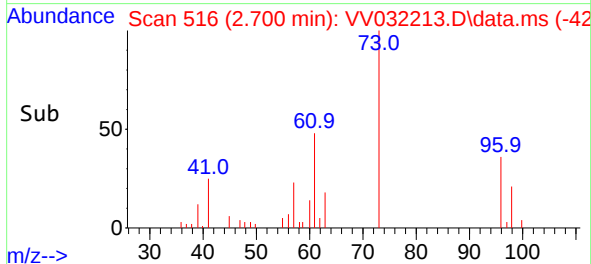
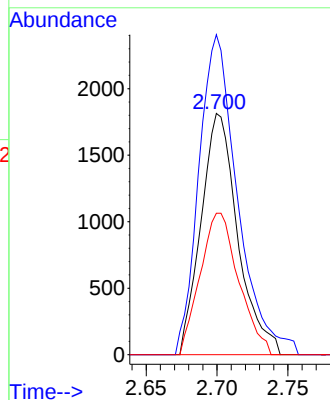
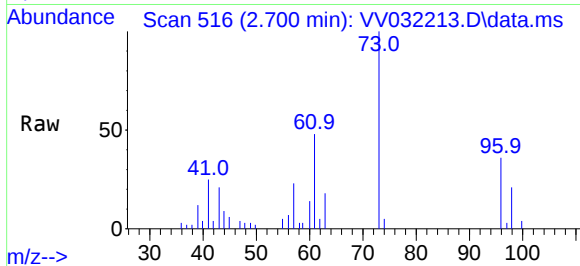




#17
trans-1,2-Dichloroethene
Concen: 2.632 ug/L
RT: 2.700 min Scan# 514
Delta R.T. 0.006 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

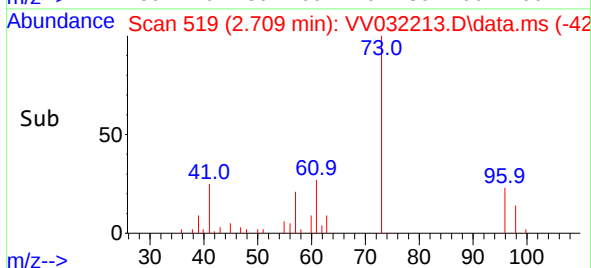
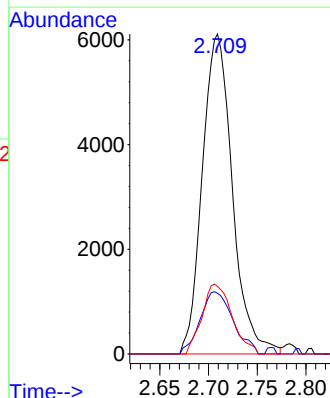
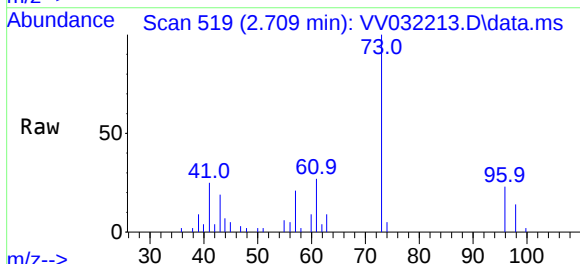
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07

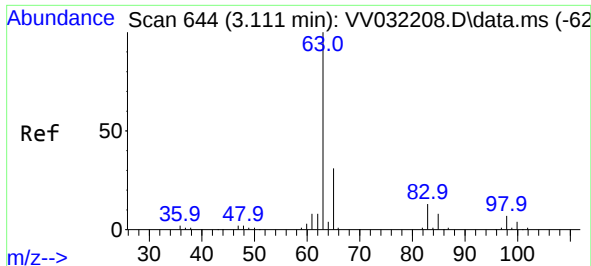
Tgt Ion: 96 Resp: 3272
Ion Ratio Lower Upper
96 100
61 132.6 97.4 180.8
98 58.6 45.2 84.0



#18
Methyl tert-butyl Ether
Concen: 3.154 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.006 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

Tgt Ion: 73 Resp: 13118
Ion Ratio Lower Upper
73 100
43 21.3 15.3 22.9
57 21.8 18.6 28.0





#19

1,1-Dichloroethane

Concen: 3.047 ug/L

RT: 3.117 min Scan# 644

Delta R.T. 0.006 min

Lab File: VV032213.D

Acq: 03 Oct 2023 13:29

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-07

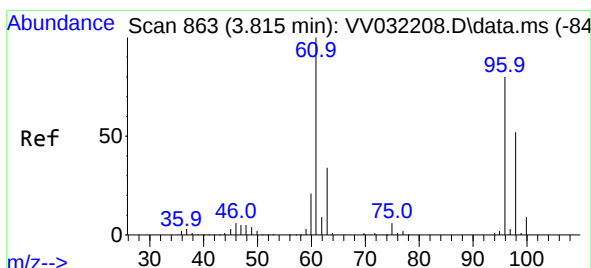
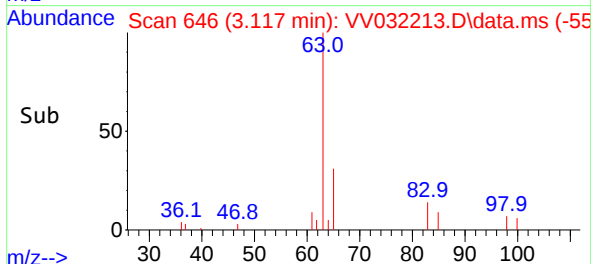
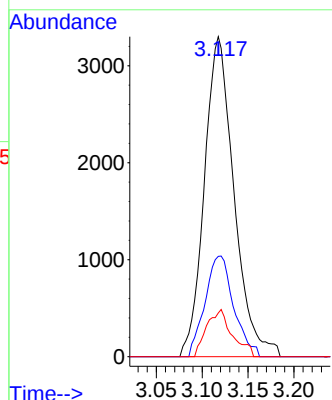
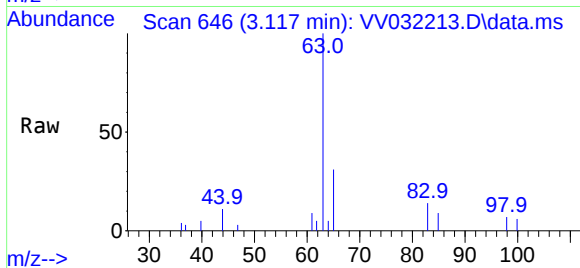
Tgt Ion: 63 Resp: 7427

Ion Ratio Lower Upper

63 100

65 31.3 22.7 42.3

83 13.6 9.4 17.6



#20

cis-1,2-Dichloroethene

Concen: 2.876 ug/L

RT: 3.822 min Scan# 865

Delta R.T. 0.006 min

Lab File: VV032213.D

Acq: 03 Oct 2023 13:29

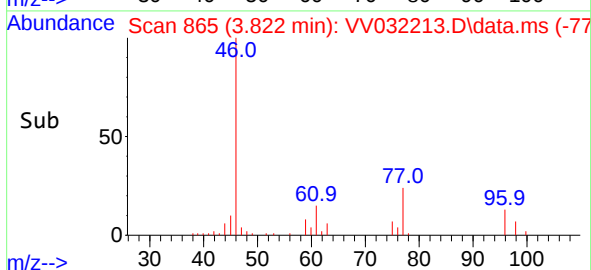
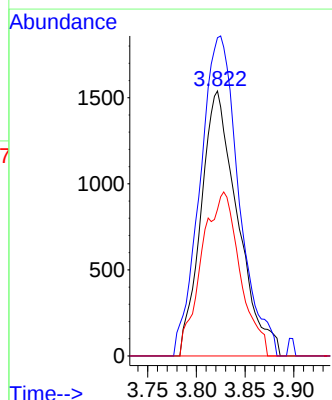
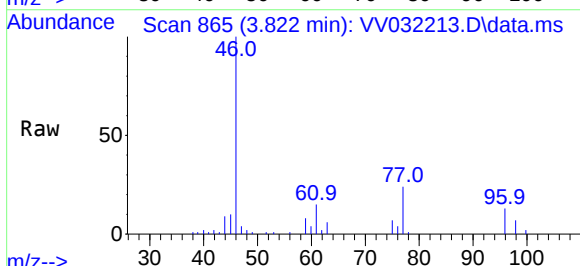
Tgt Ion: 96 Resp: 4026

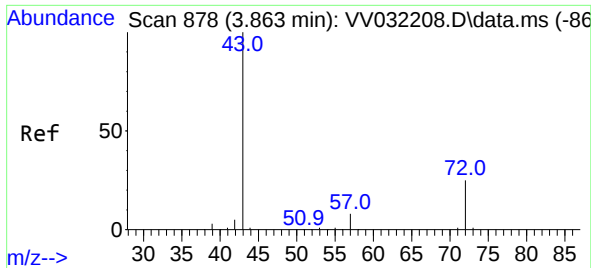
Ion Ratio Lower Upper

96 100

61 120.1 88.3 164.1

98 55.3 43.3 80.3

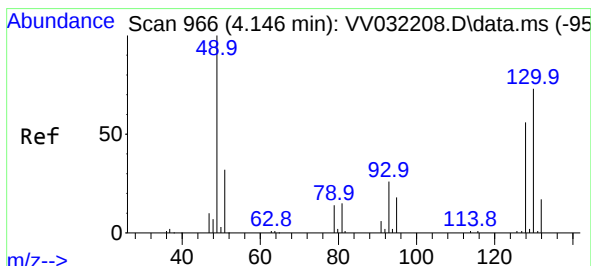
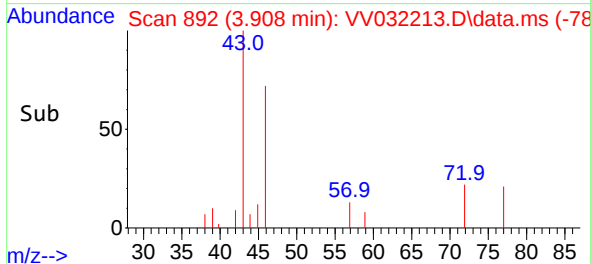
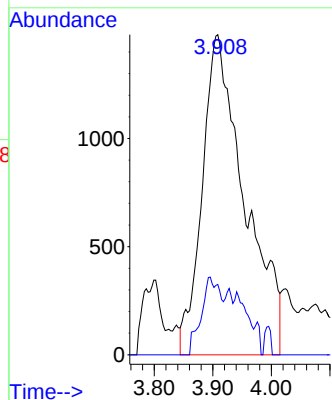
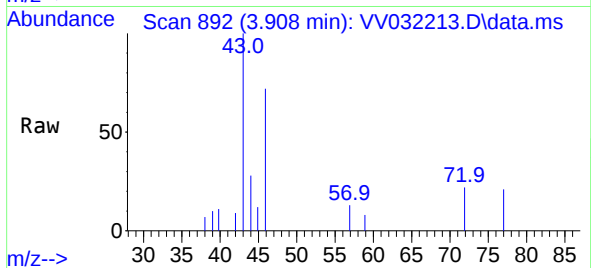




#22
2-Butanone
Concen: 6.261 ug/L m
RT: 3.908 min Scan# 892
Delta R.T. 0.045 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

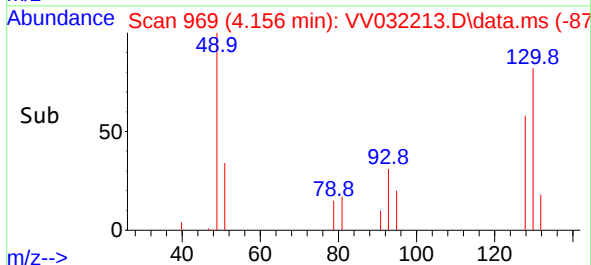
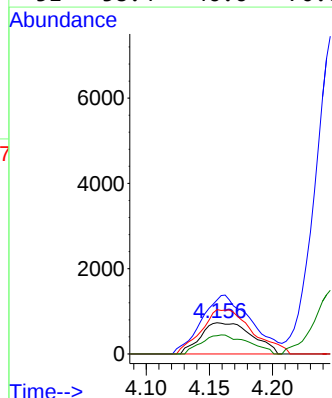
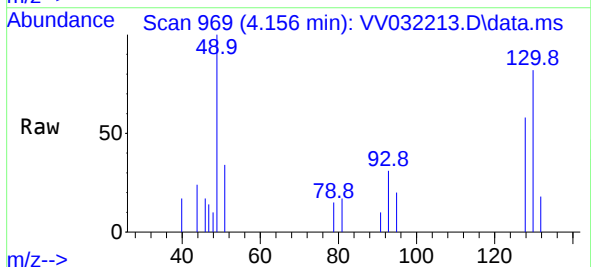
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07

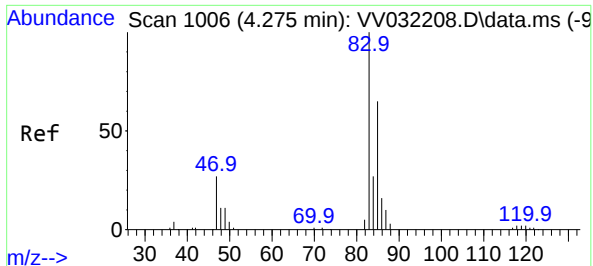
Tgt Ion: 43 Resp: 7450
Ion Ratio Lower Upper
43 100
72 0.0 12.0 36.0#



#23
Bromochloromethane
Concen: 2.954 ug/L m
RT: 4.156 min Scan# 969
Delta R.T. 0.010 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

Tgt Ion: 128 Resp: 2071
Ion Ratio Lower Upper
128 100
49 172.7 125.0 232.2
130 142.0 92.3 171.5
51 58.4 46.6 70.0





#25

Chloroform

Concen: 3.547 ug/L

RT: 4.285 min Scan# 1006

Delta R.T. 0.010 min

Lab File: VV032213.D

Acq: 03 Oct 2023 13:29

Instrument :

MSVOA_V

ClientSampleId :

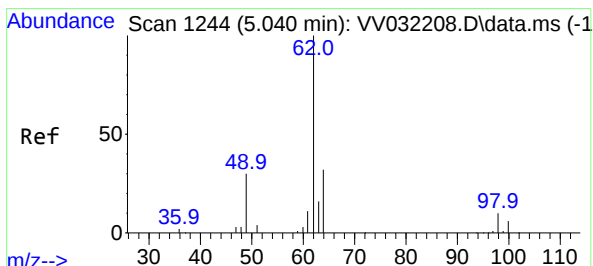
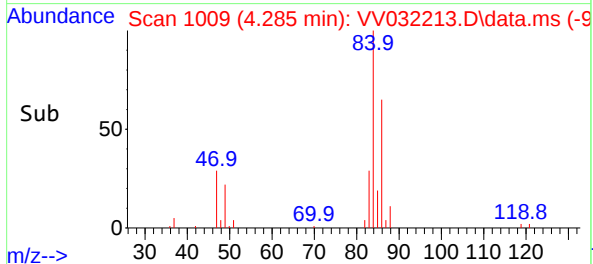
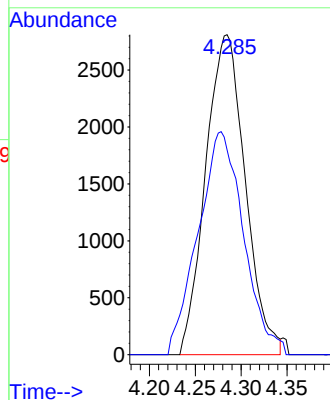
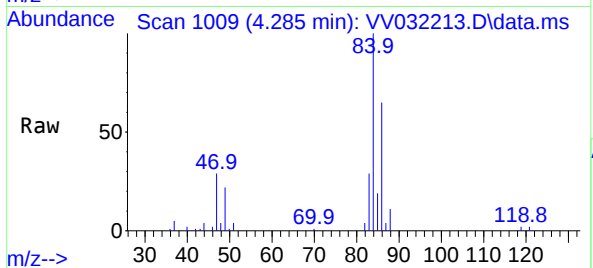
MDL-WATER-QT4-2023-07

Tgt Ion: 83 Resp: 8441

Ion Ratio Lower Upper

83 100

85 64.0 45.6 84.6



#27

1,2-Dichloroethane

Concen: 3.371 ug/L

RT: 5.056 min Scan# 1249

Delta R.T. 0.016 min

Lab File: VV032213.D

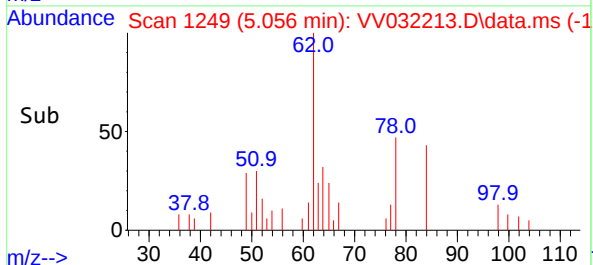
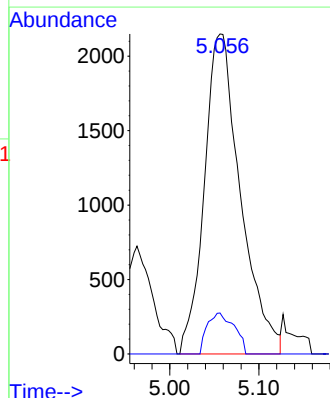
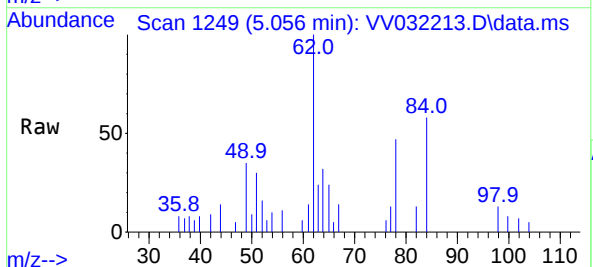
Acq: 03 Oct 2023 13:29

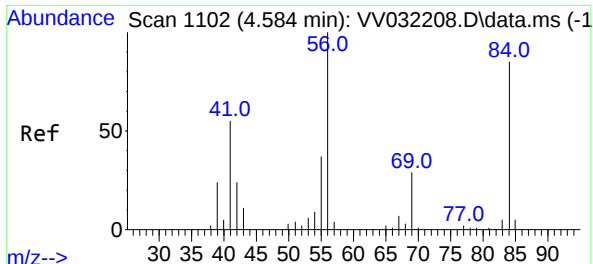
Tgt Ion: 62 Resp: 6063

Ion Ratio Lower Upper

62 100

98 12.8 8.1 12.1#





#29

Cyclohexane

Concen: 2.204 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV032213.D

Acq: 03 Oct 2023 13:29

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2023-07

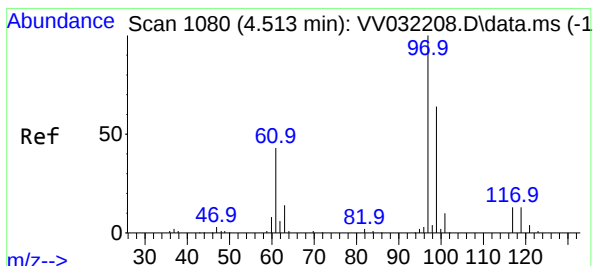
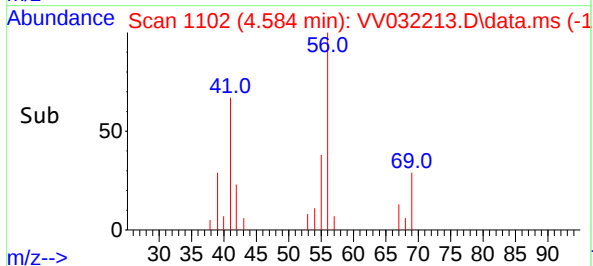
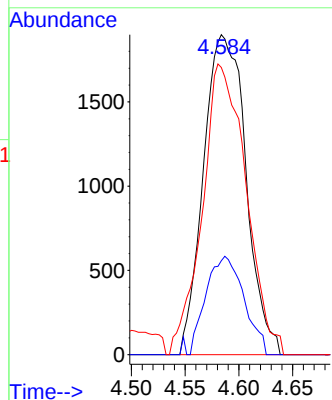
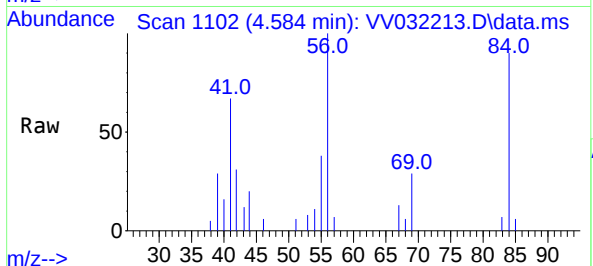
Tgt Ion: 56 Resp: 5206

Ion Ratio Lower Upper

56 100

69 27.6 23.3 34.9

84 93.1 66.2 99.2



#30

1,1,1-Trichloroethane

Concen: 2.624 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. 0.010 min

Lab File: VV032213.D

Acq: 03 Oct 2023 13:29

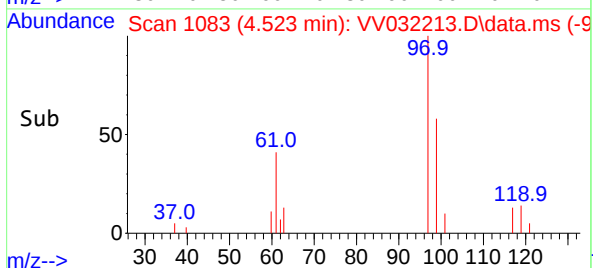
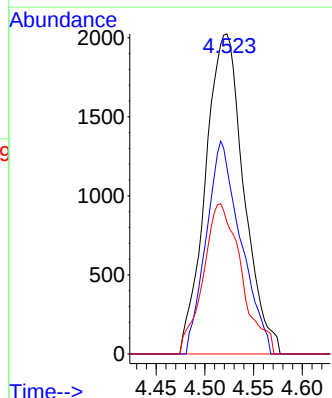
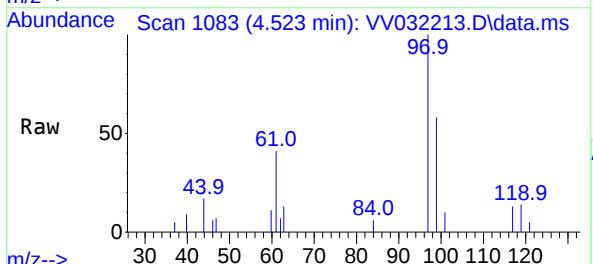
Tgt Ion: 97 Resp: 5538

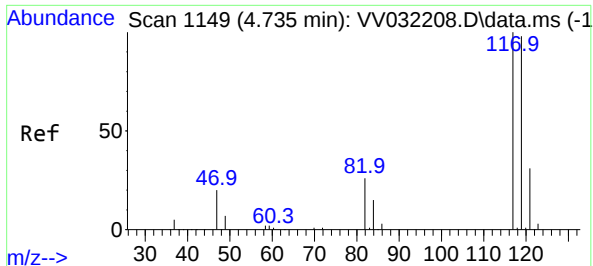
Ion Ratio Lower Upper

97 100

99 60.0 51.3 76.9

61 46.8 35.0 52.6

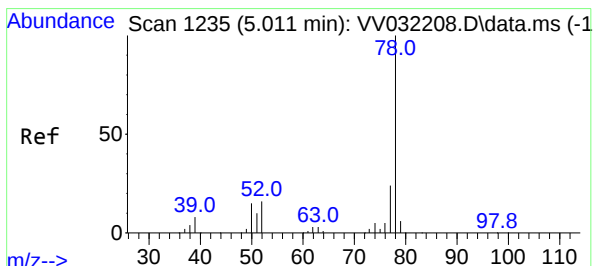
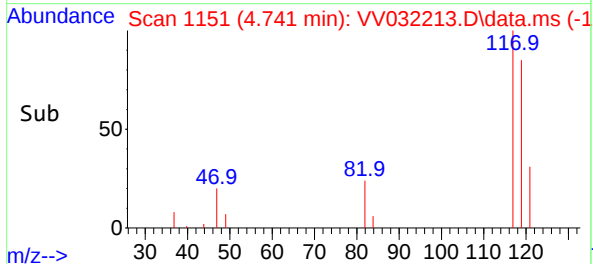
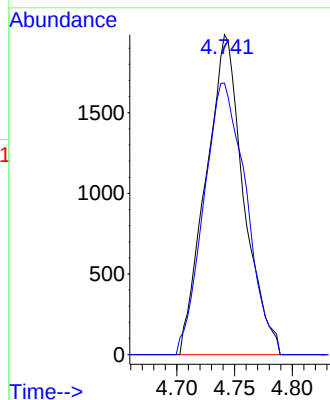
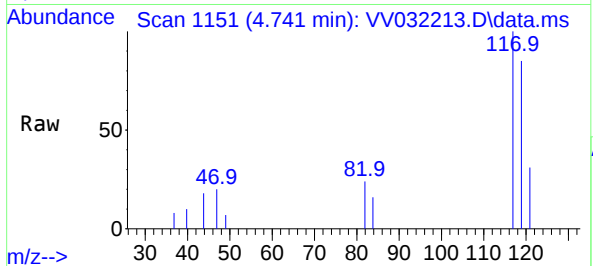




#31
Carbon tetrachloride
Concen: 2.470 ug/L
RT: 4.741 min Scan# 1149
Delta R.T. 0.006 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

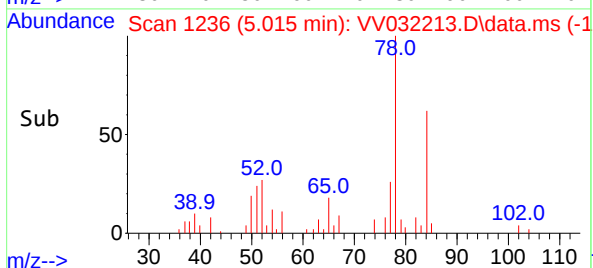
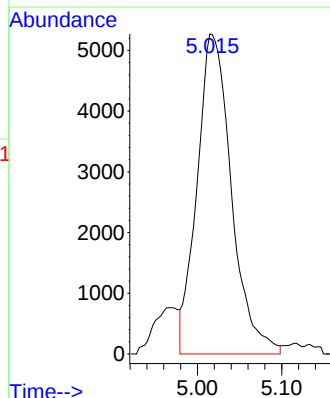
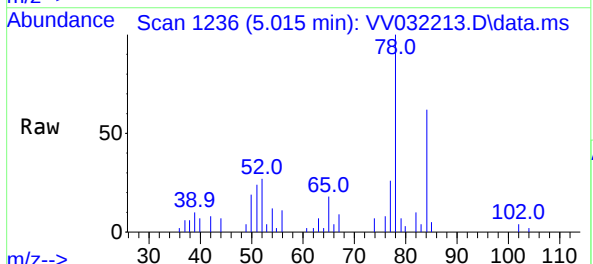
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07

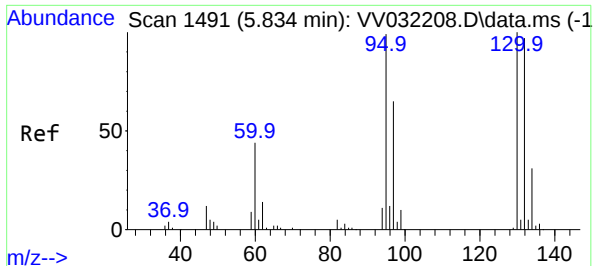
Tgt Ion:117 Resp: 4501
Ion Ratio Lower Upper
117 100
119 95.4 76.6 115.0



#33
Benzene
Concen: 2.763 ug/L
RT: 5.015 min Scan# 1236
Delta R.T. 0.003 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

Tgt Ion: 78 Resp: 14915



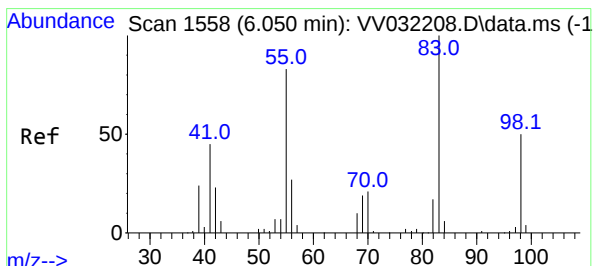
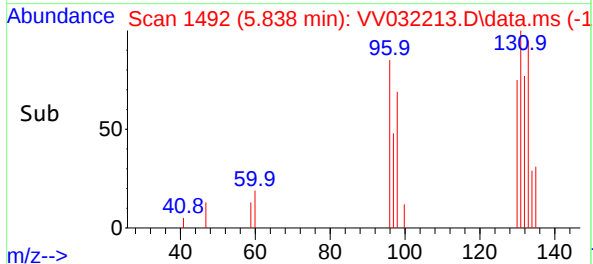
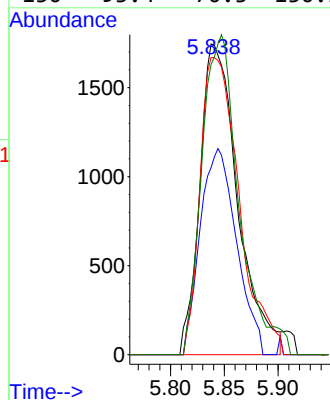
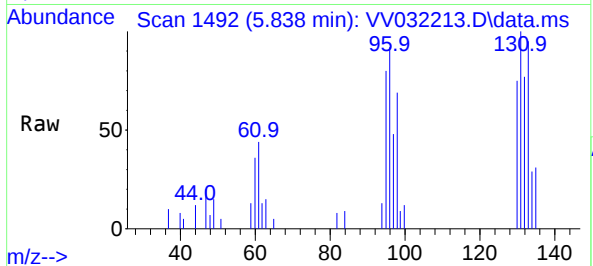


#34
Trichloroethene
Concen: 2.866 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. 0.003 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2023-07

Tgt Ion: 95 Resp: 4260

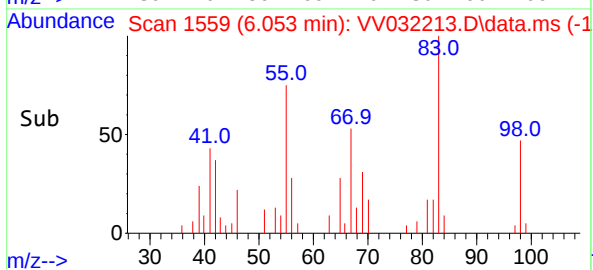
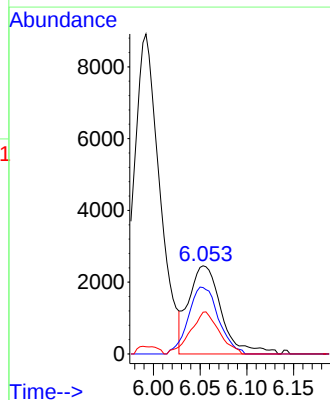
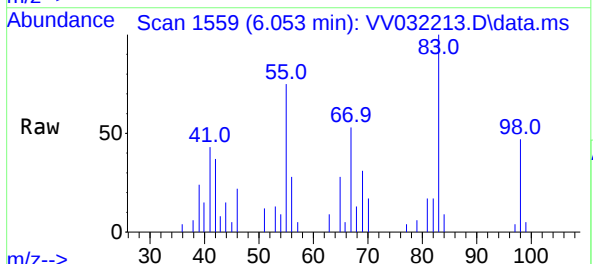
Ion	Ratio	Lower	Upper
95	100		
97	60.3	45.4	84.4
132	95.6	66.1	122.7
130	93.4	70.3	130.5

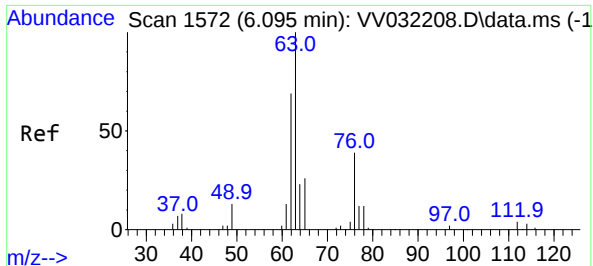


#35
Methylcyclohexane
Concen: 2.520 ug/L m
RT: 6.053 min Scan# 1559
Delta R.T. 0.003 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

Tgt Ion: 83 Resp: 5987

Ion	Ratio	Lower	Upper
83	100		
55	69.9	62.9	94.3
98	41.8	38.9	58.3





#37

1,2-Dichloropropane

Concen: 2.632 ug/L

RT: 6.104 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV032213.D

Acq: 03 Oct 2023 13:29

Instrument :

MSVOA_V

ClientSampleId :

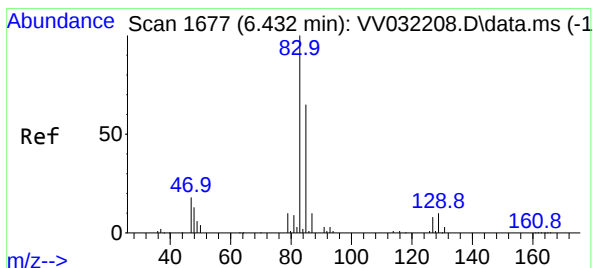
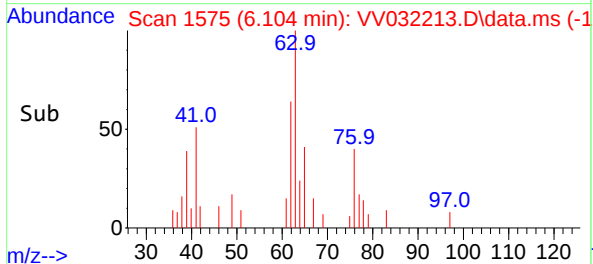
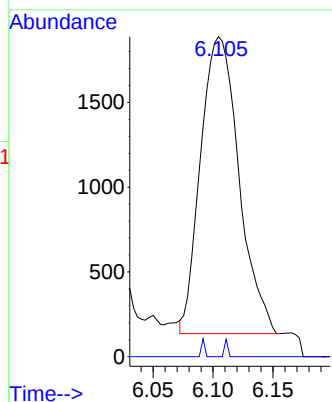
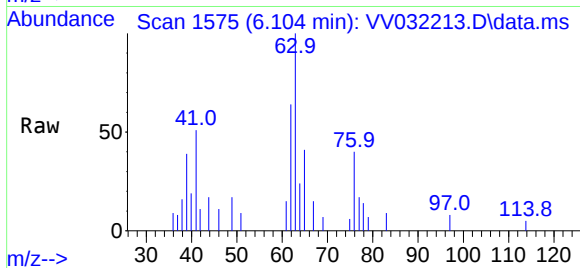
MDL-WATER-QT4-2023-07

Tgt Ion: 63 Resp: 3899

Ion Ratio Lower Upper

63 100

112 0.0 3.7 5.5#



#38

Bromodichloromethane

Concen: 2.825 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.010 min

Lab File: VV032213.D

Acq: 03 Oct 2023 13:29

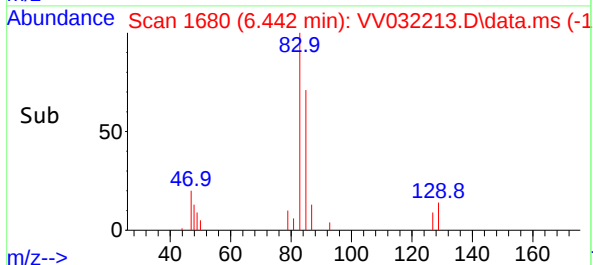
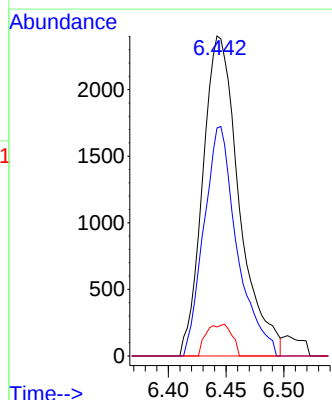
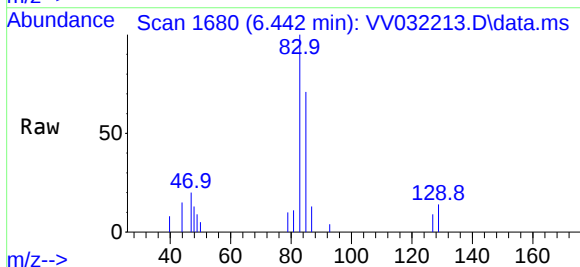
Tgt Ion: 83 Resp: 5261

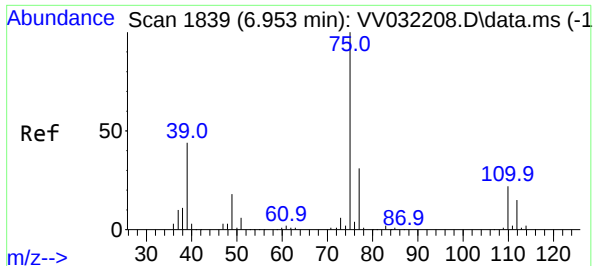
Ion Ratio Lower Upper

83 100

85 71.2 45.1 83.9

127 9.0 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 2.767 ug/L m

RT: 6.966 min Scan# 1

Delta R.T. 0.013 min

Lab File: VV032213.D

Acq: 03 Oct 2023 13:29

Instrument :

MSVOA_V

ClientSampleId :

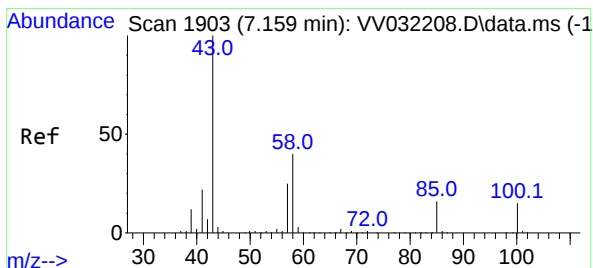
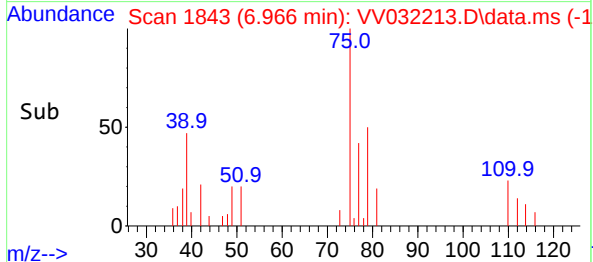
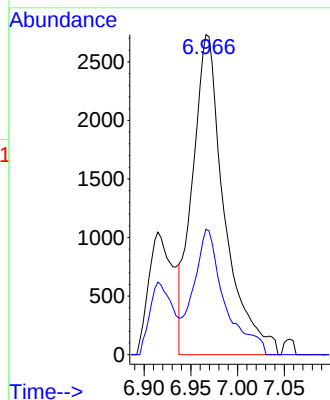
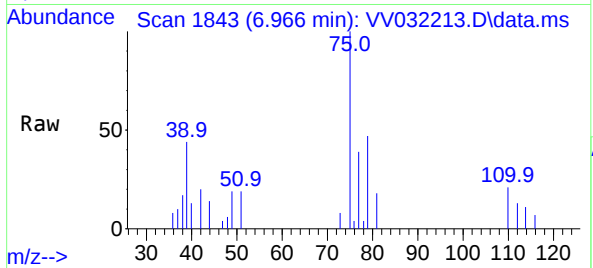
MDL-WATER-QT4-2023-07

Tgt Ion: 75 Resp: 6501

Ion Ratio Lower Upper

75 100

77 39.2 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 5.299 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.013 min

Lab File: VV032213.D

Acq: 03 Oct 2023 13:29

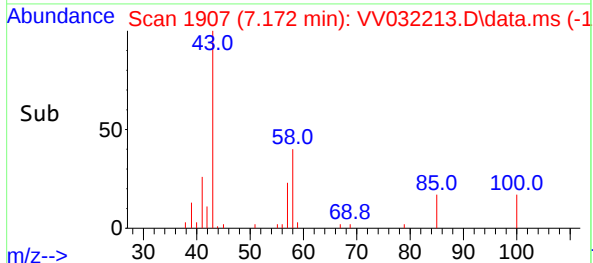
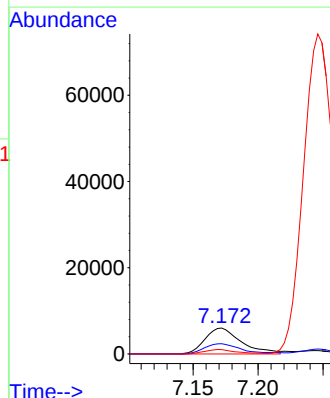
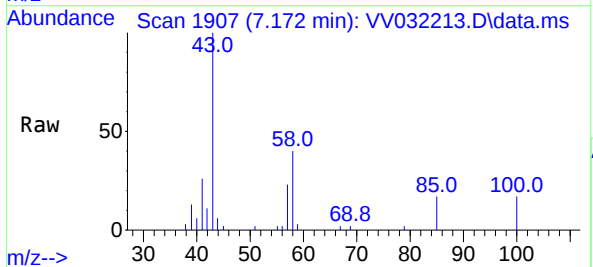
Tgt Ion: 43 Resp: 11699

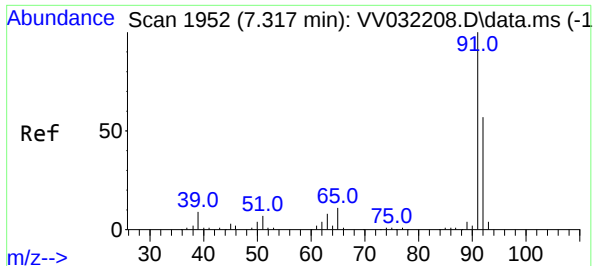
Ion Ratio Lower Upper

43 100

58 38.6 31.0 46.6

100 15.4 11.6 17.4





#42

Toluene

Concen: 2.458 ug/L

RT: 7.323 min Scan# 1952

Delta R.T. 0.006 min

Lab File: VV032213.D

Acq: 03 Oct 2023 13:29

Instrument :

MSVOA_V

ClientSampleId :

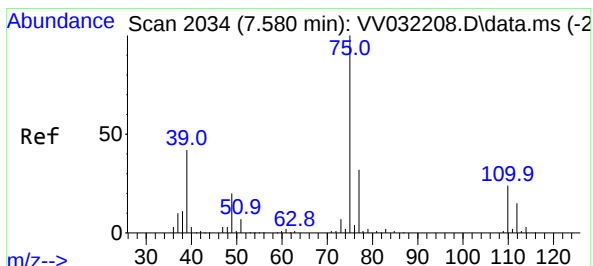
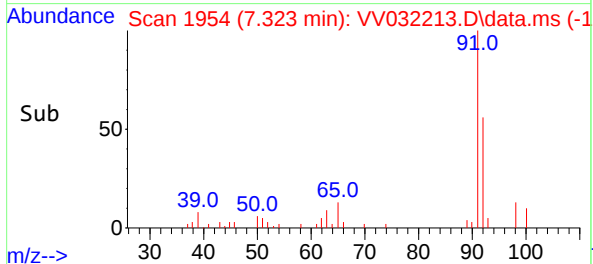
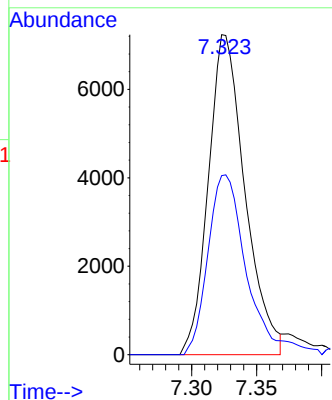
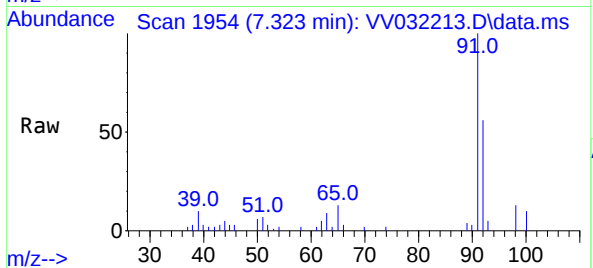
MDL-WATER-QT4-2023-07

Tgt Ion: 91 Resp: 14166

Ion Ratio Lower Upper

91 100

92 56.0 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 2.877 ug/L

RT: 7.593 min Scan# 2038

Delta R.T. 0.013 min

Lab File: VV032213.D

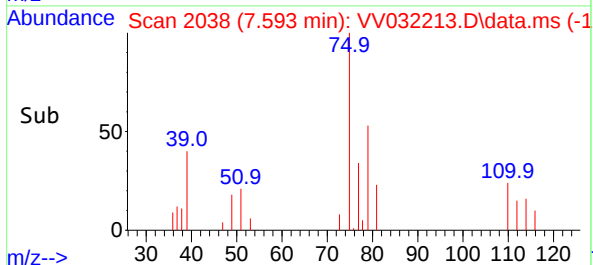
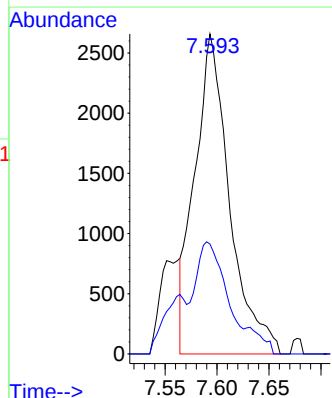
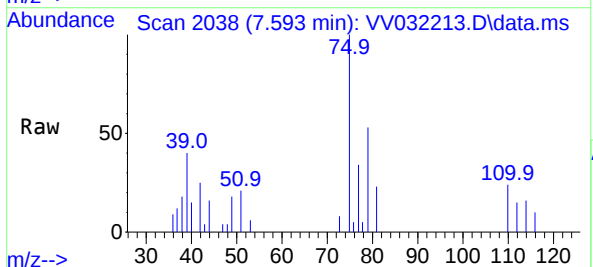
Acq: 03 Oct 2023 13:29

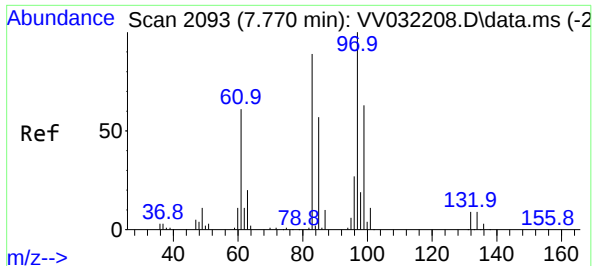
Tgt Ion: 75 Resp: 6190

Ion Ratio Lower Upper

75 100

77 34.3 22.0 40.8



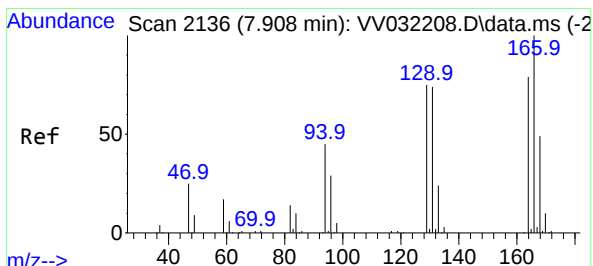
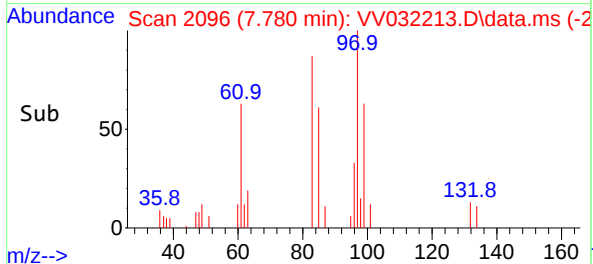
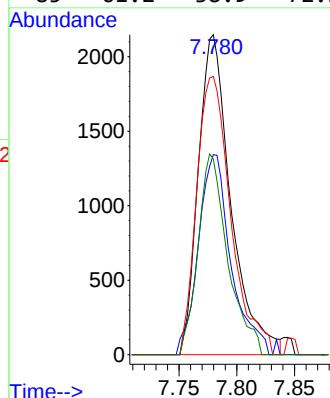
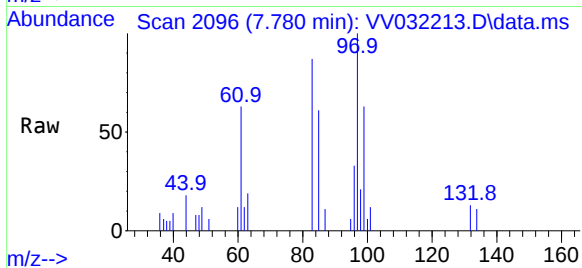


#45
1,1,2-Trichloroethane
Concen: 2.987 ug/L
RT: 7.780 min Scan# 2093
Delta R.T. 0.010 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07

Tgt Ion: 97 Resp: 4221

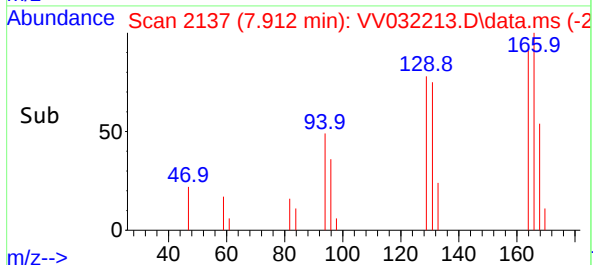
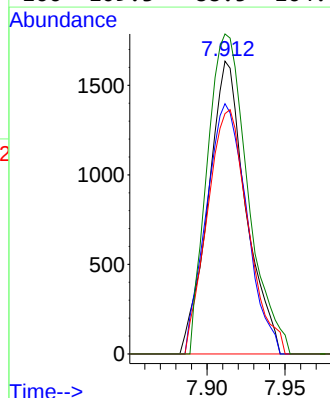
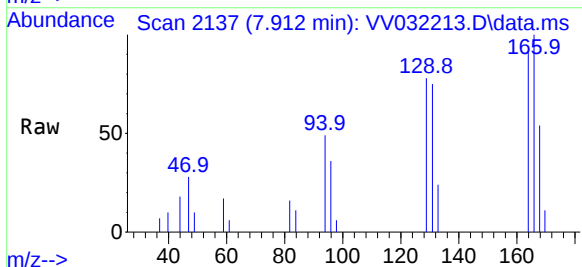
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.3	80.3
83	87.0	60.8	113.0
85	61.2	38.9	72.2

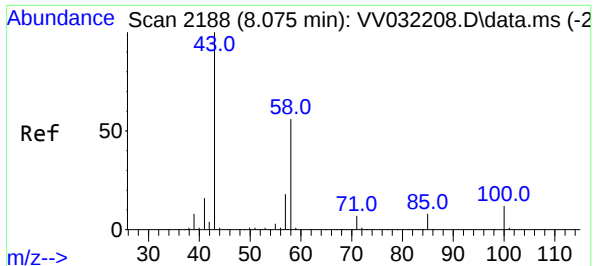


#46
Tetrachloroethene
Concen: 2.536 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

Tgt Ion: 164 Resp: 2739

Ion	Ratio	Lower	Upper
164	100		
129	85.4	67.5	125.3
131	82.1	63.8	118.4
166	109.3	88.5	164.4

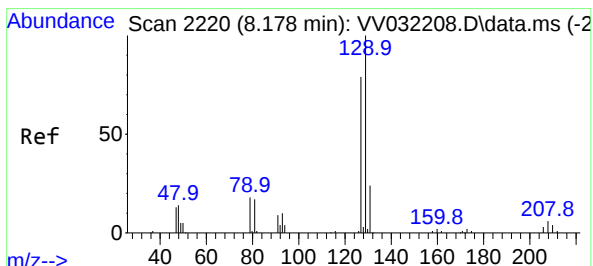
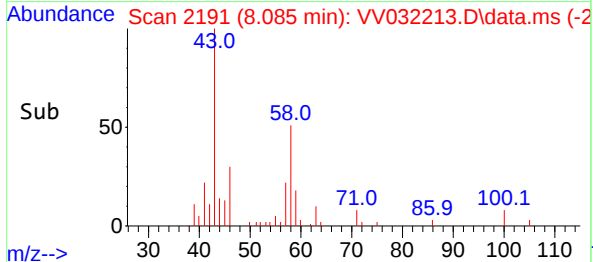
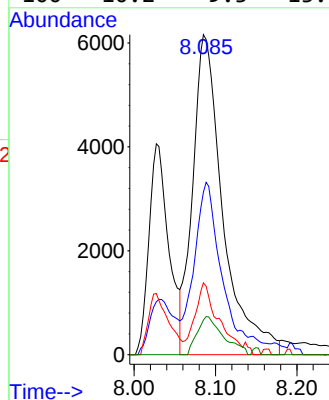
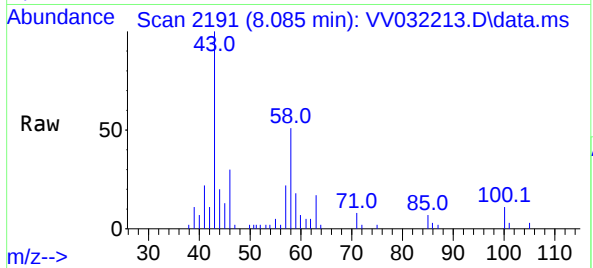




#48
2-Hexanone
Concen: 9.221 ug/L m
RT: 8.085 min Scan# 2188
Delta R.T. 0.010 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

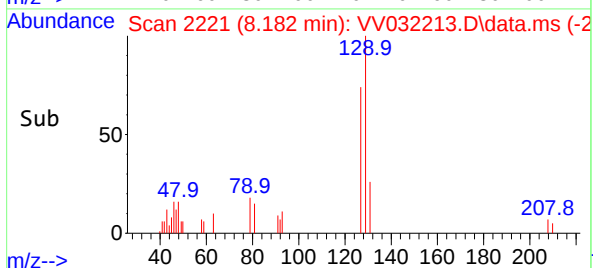
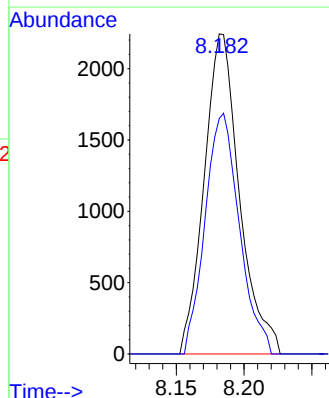
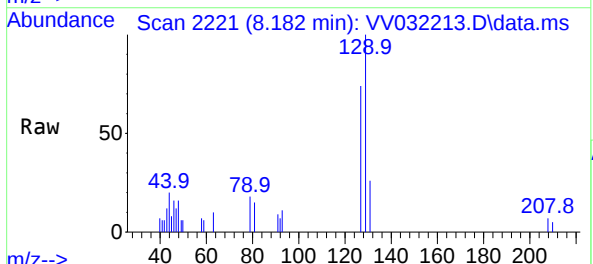
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2023-07

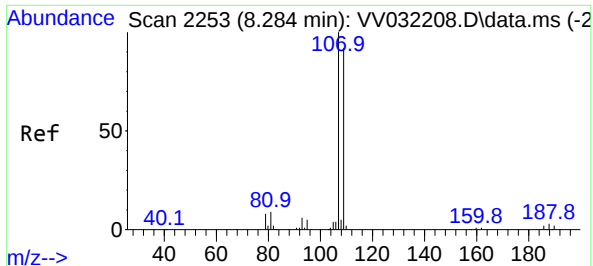
Tgt Ion: 43 Resp: 15902
Ion Ratio Lower Upper
43 100
58 37.6 44.5 66.7#
57 9.1 13.9 20.9#
100 10.2 9.3 13.9



#49
Dibromochloromethane
Concen: 2.898 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.003 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

Tgt Ion: 129 Resp: 4071
Ion Ratio Lower Upper
129 100
127 73.6 54.9 101.9

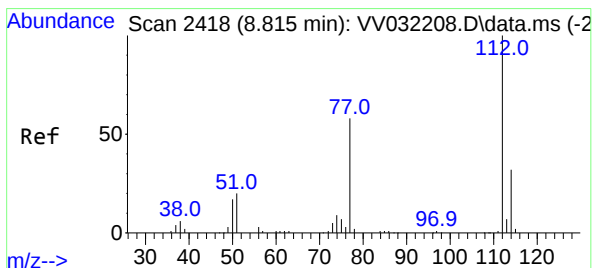
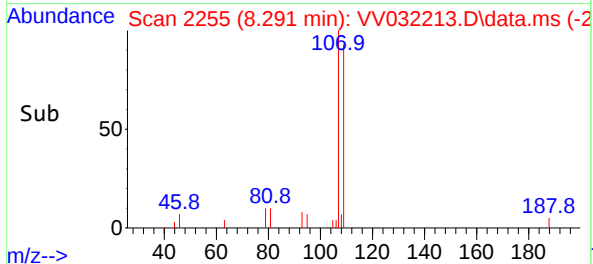
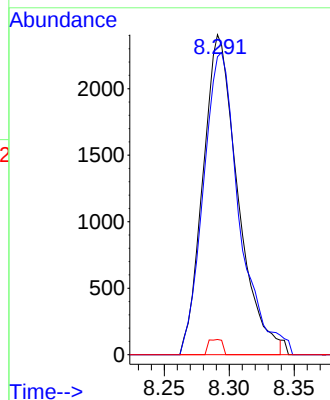
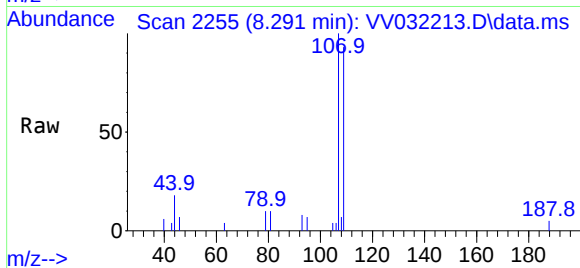




#50
1,2-Dibromoethane
Concen: 2.984 ug/L
RT: 8.291 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

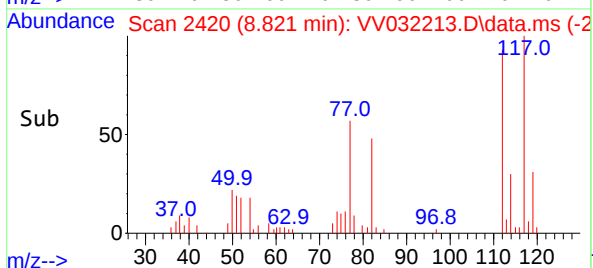
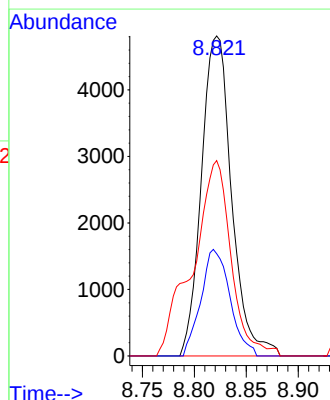
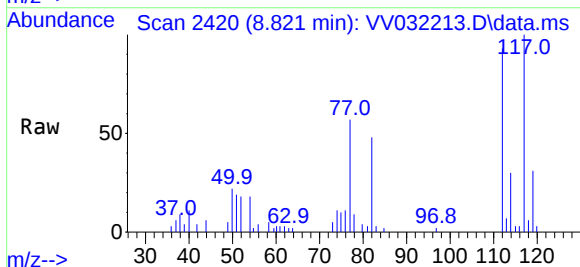
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07

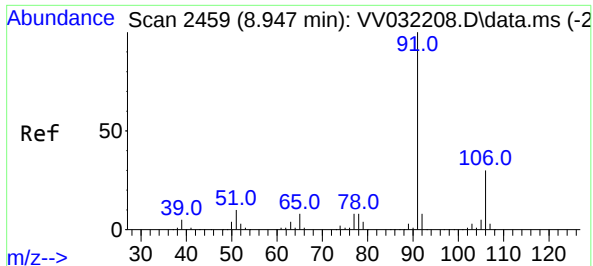
Tgt Ion:107 Resp: 4489
Ion Ratio Lower Upper
107 100
109 93.1 65.2 121.2
188 4.7 3.0 4.6#



#51
Chlorobenzene
Concen: 2.622 ug/L
RT: 8.821 min Scan# 2420
Delta R.T. 0.006 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

Tgt Ion:112 Resp: 9750
Ion Ratio Lower Upper
112 100
114 32.0 22.5 41.9
77 61.1 46.7 70.1

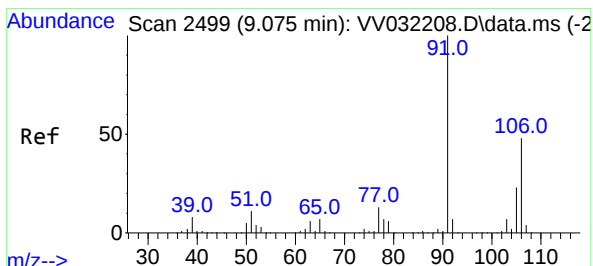
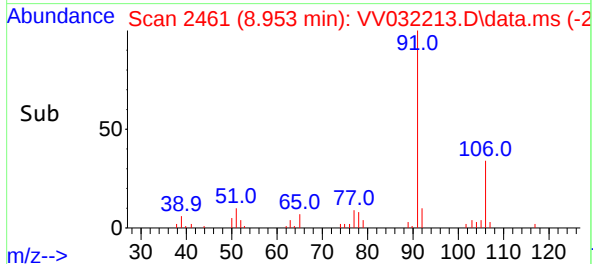
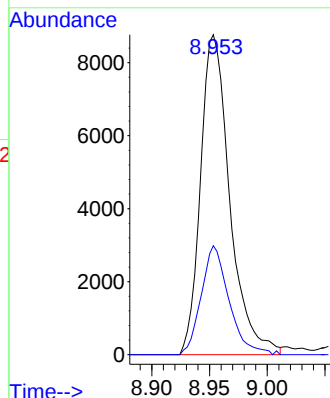
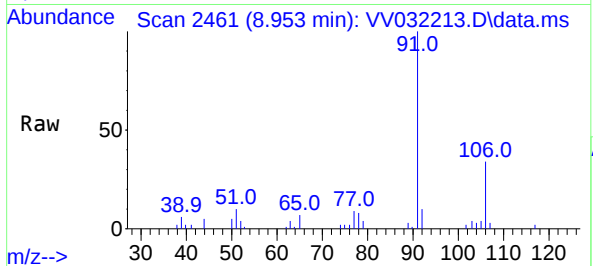




#52
Ethylbenzene
Concen: 2.397 ug/L
RT: 8.953 min Scan# 2459
Delta R.T. 0.006 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

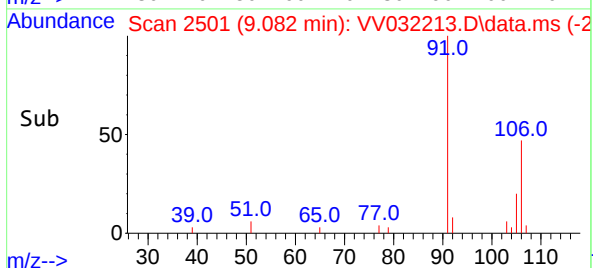
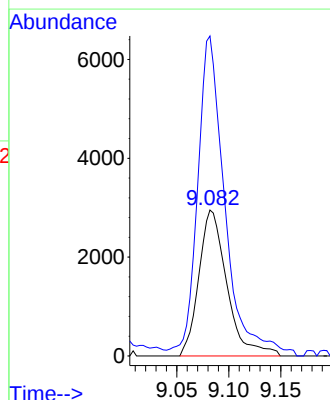
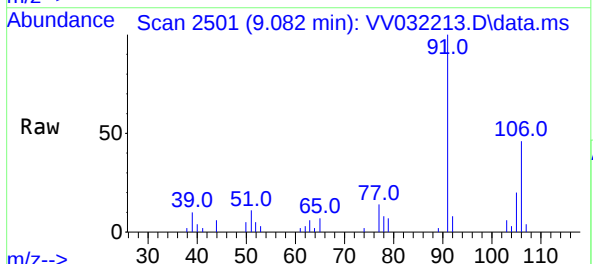
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07

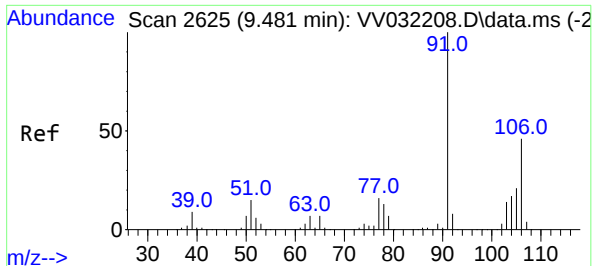
Tgt Ion: 91 Resp: 15433
Ion Ratio Lower Upper
91 100
106 34.0 20.9 38.7



#53
m,p-Xylene
Concen: 2.316 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.006 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

Tgt Ion: 106 Resp: 5555
Ion Ratio Lower Upper
106 100
91 219.3 143.8 267.0

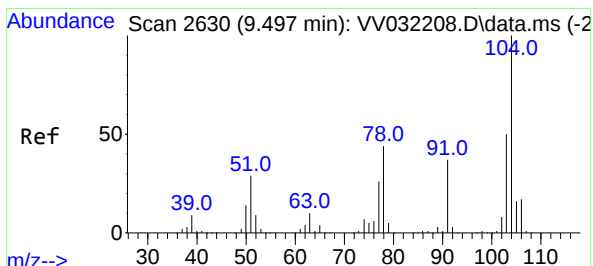
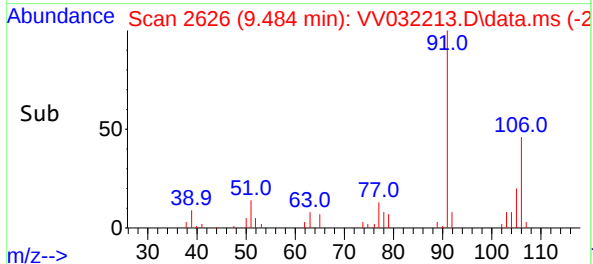
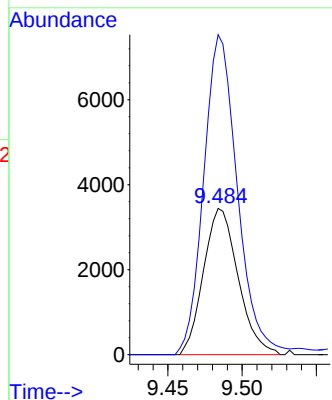
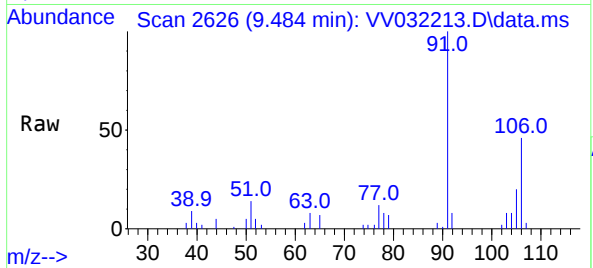




#54
o-Xylene
Concen: 2.368 ug/L
RT: 9.484 min Scan# 2625
Delta R.T. 0.003 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

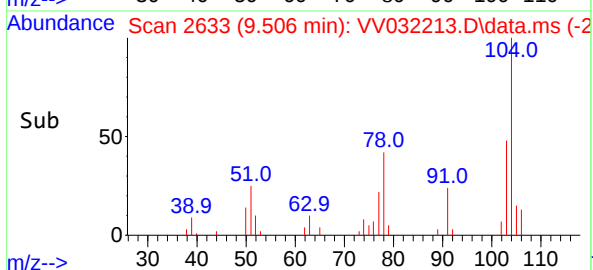
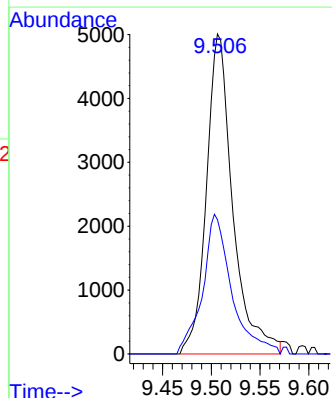
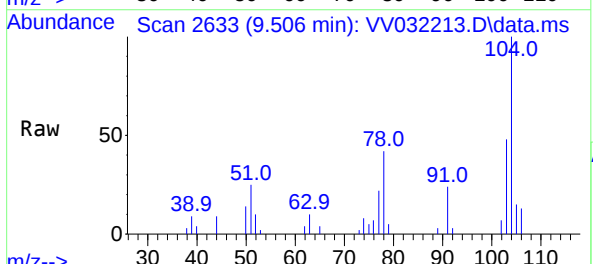
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07

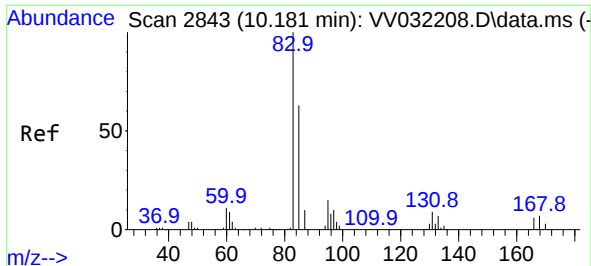
Tgt Ion:106 Resp: 5595
Ion Ratio Lower Upper
106 100
91 218.8 153.4 284.8



#55
Styrene
Concen: 2.340 ug/L
RT: 9.506 min Scan# 2633
Delta R.T. 0.010 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

Tgt Ion:104 Resp: 9434
Ion Ratio Lower Upper
104 100
78 41.9 30.4 56.5

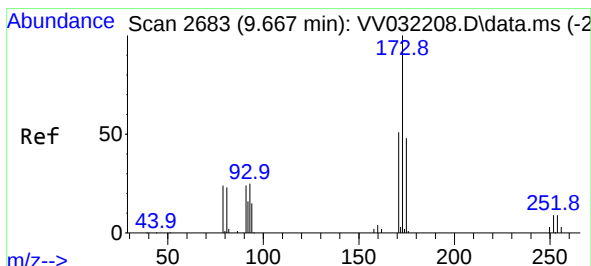
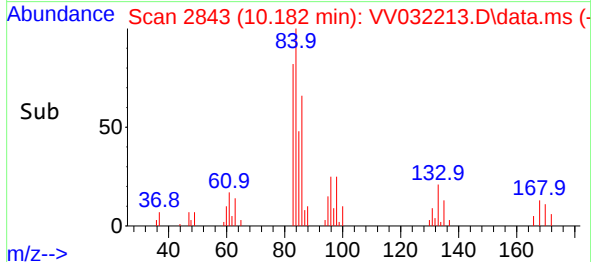
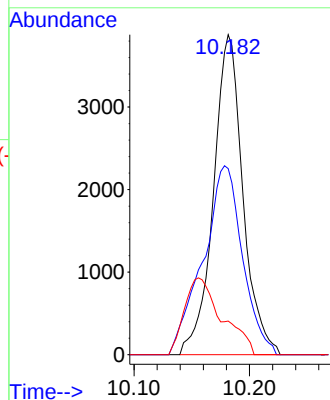
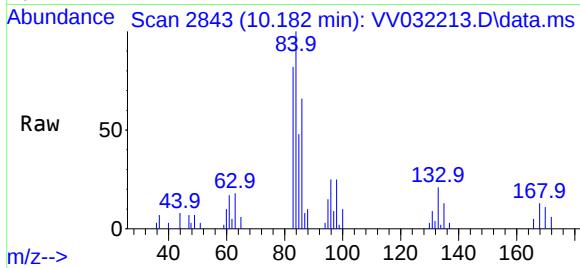




#57
1,1,2,2-Tetrachloroethane
Concen: 3.124 ug/L
RT: 10.182 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

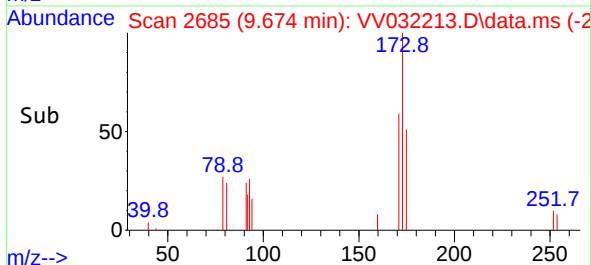
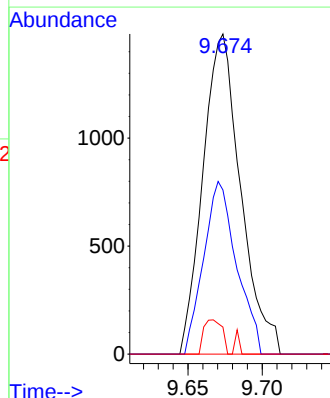
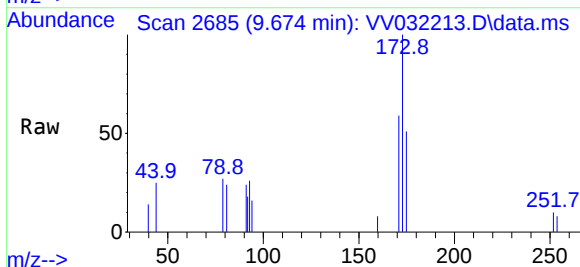
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2023-07

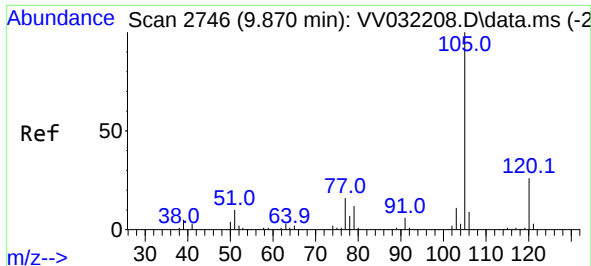
Tgt Ion:	83	Resp:	6879
Ion	Ratio	Lower	Upper
83	100		
85	58.2	44.7	82.9
131	10.5	7.4	11.0



#59
Bromoform
Concen: 2.772 ug/L
RT: 9.674 min Scan# 2685
Delta R.T. 0.006 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

Tgt Ion:	173	Resp:	2617
Ion	Ratio	Lower	Upper
173	100		
175	47.1	39.5	59.3
254	5.2	7.0	10.4

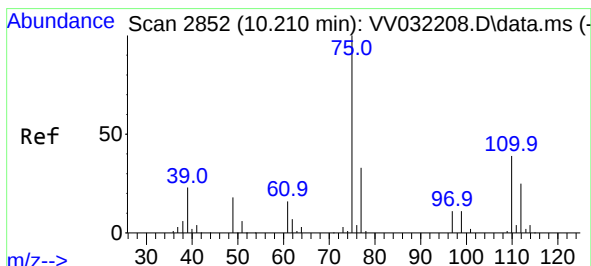
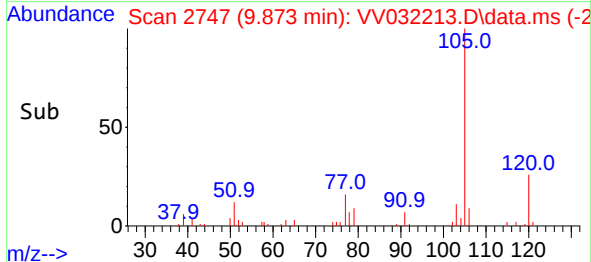
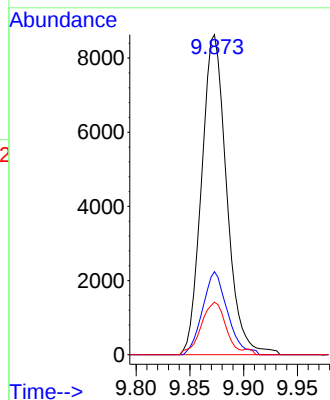
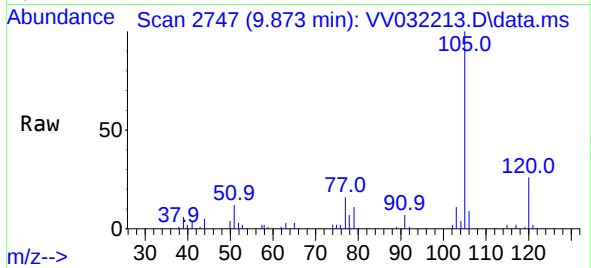




#60
Isopropylbenzene
Concen: 2.365 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

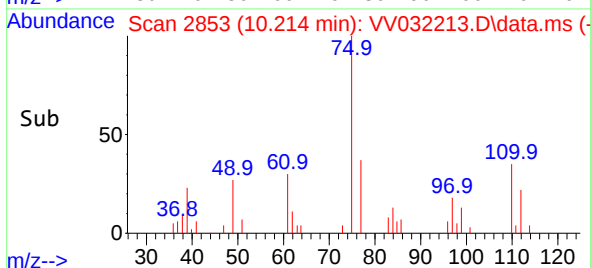
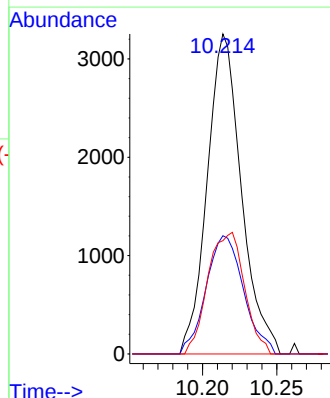
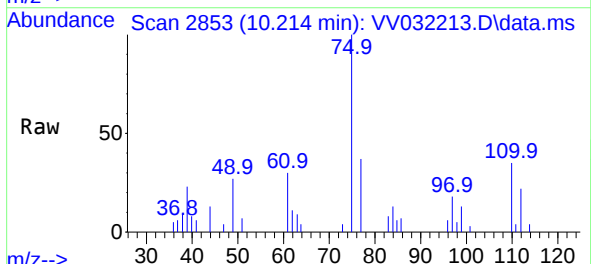
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07

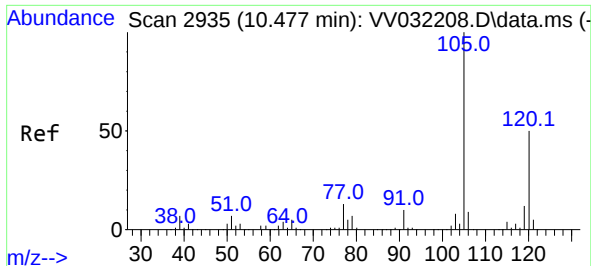
Tgt Ion:105 Resp: 13990
Ion Ratio Lower Upper
105 100
120 25.6 21.0 31.6
77 16.1 12.7 19.1



#61
1,2,3-Trichloropropane
Concen: 3.147 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.003 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

Tgt Ion: 75 Resp: 5199
Ion Ratio Lower Upper
75 100
77 40.6 26.1 39.1#
110 40.7 30.5 45.7





#62

1,3,5-Trimethylbenzene

Concen: 2.283 ug/L

RT: 10.481 min Scan# 2935

Delta R.T. 0.003 min

Lab File: VV032213.D

Acq: 03 Oct 2023 13:29

Instrument :

MSVOA_V

ClientSampleId :

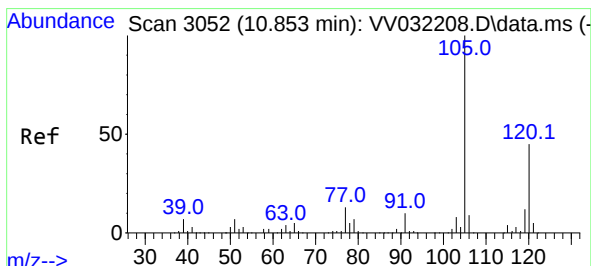
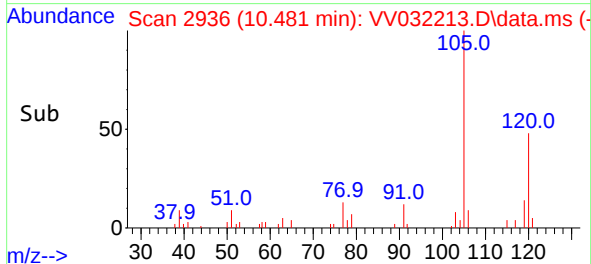
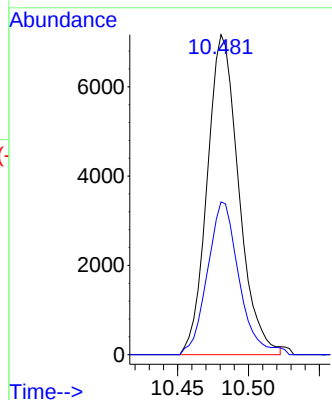
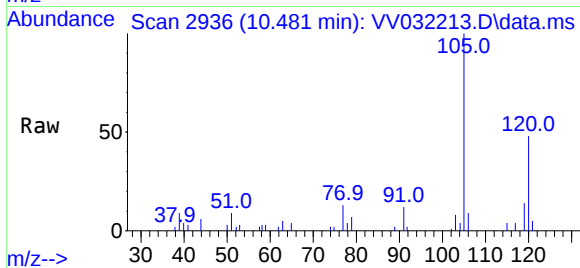
MDL-WATER-QT4-2023-07

Tgt Ion:105 Resp: 11094

Ion Ratio Lower Upper

105 100

120 47.1 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 2.189 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.003 min

Lab File: VV032213.D

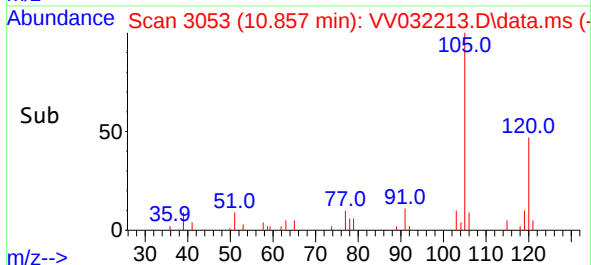
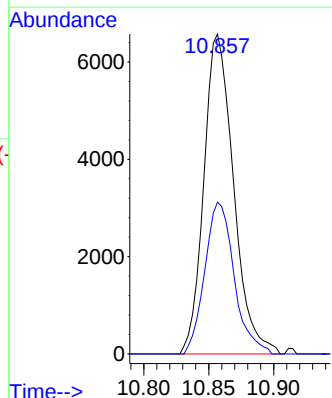
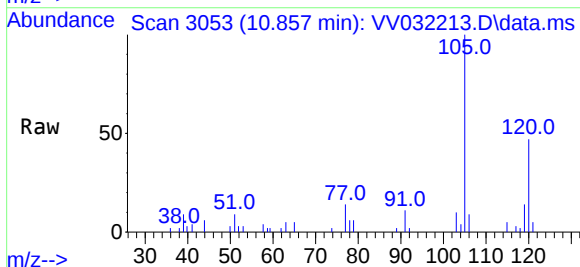
Acq: 03 Oct 2023 13:29

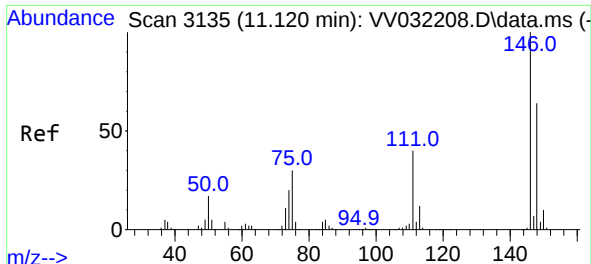
Tgt Ion:105 Resp: 10463

Ion Ratio Lower Upper

105 100

120 46.9 36.5 54.7



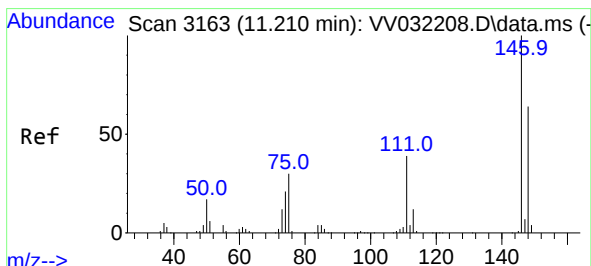
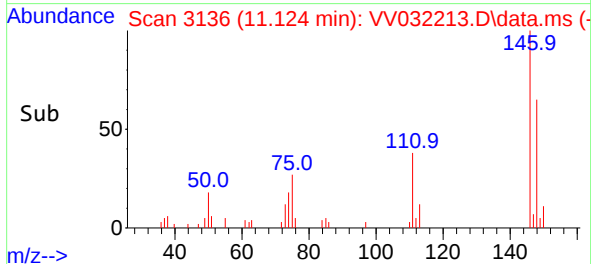
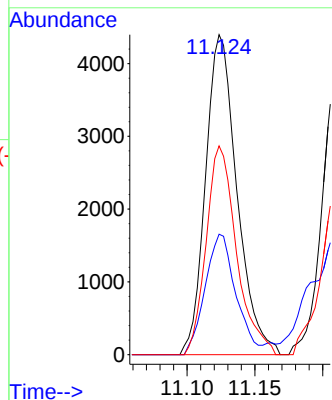
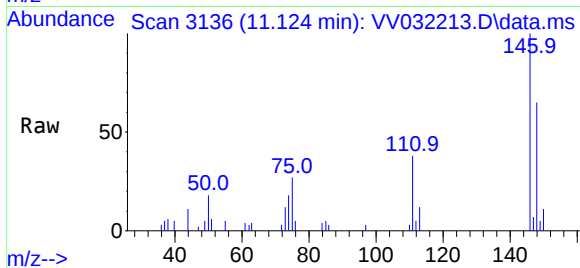


#64
1,3-Dichlorobenzene
Concen: 2.565 ug/L
RT: 11.124 min Scan# 3135
Delta R.T. 0.003 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07

Tgt Ion:146 Resp: 7093

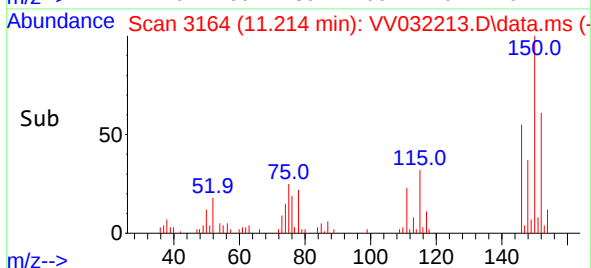
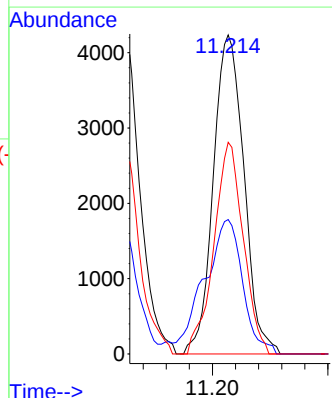
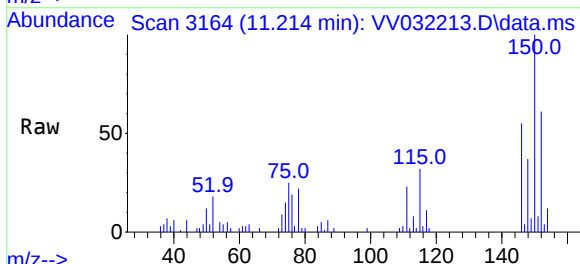
Ion	Ratio	Lower	Upper
146	100		
111	37.7	28.3	52.5
148	65.3	44.2	82.0

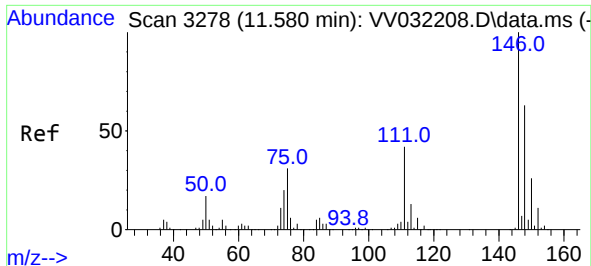


#65
1,4-Dichlorobenzene
Concen: 2.789 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

Tgt Ion:146 Resp: 7789

Ion	Ratio	Lower	Upper
146	100		
111	42.1	27.5	51.1
148	66.4	44.7	83.1

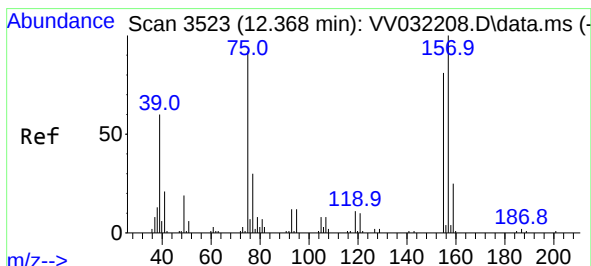
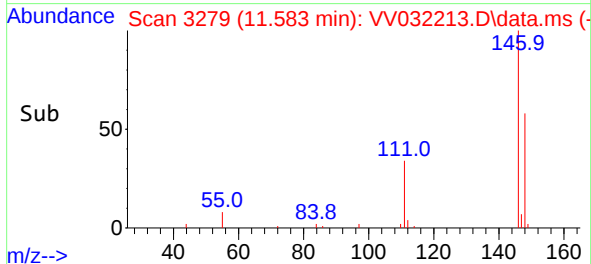
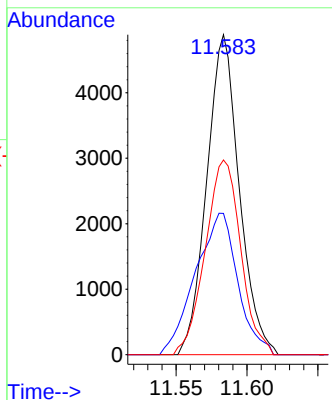
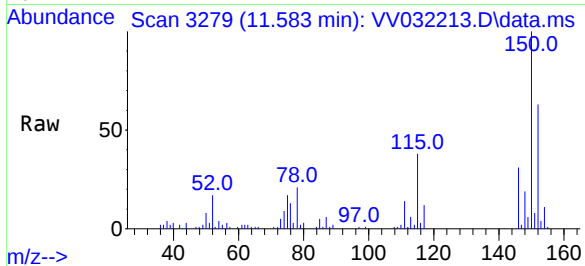




#67
1,2-Dichlorobenzene
Concen: 2.871 ug/L
RT: 11.583 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

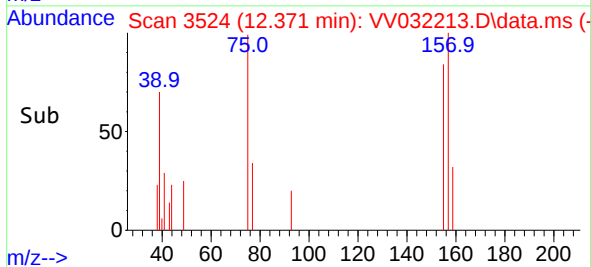
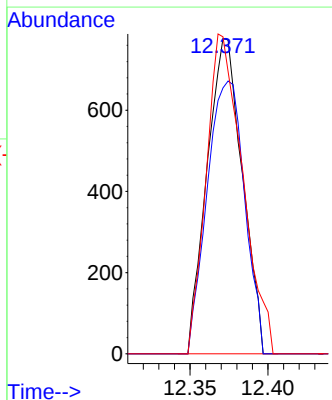
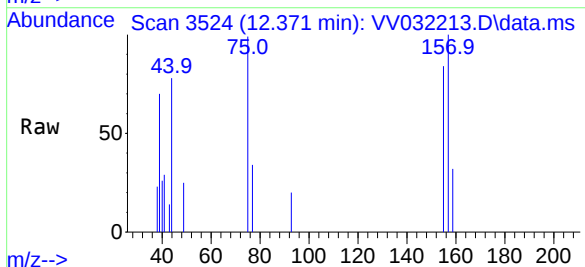
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07

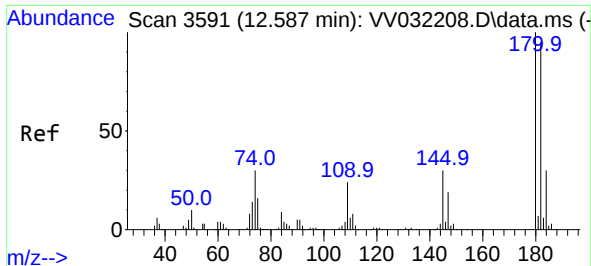
Tgt Ion:146 Resp: 7809
Ion Ratio Lower Upper
146 100
111 44.1 33.6 50.4
148 60.9 49.9 74.9



#68
1,2-Dibromo-3-chloropropane
Concen: 2.671 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. 0.003 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

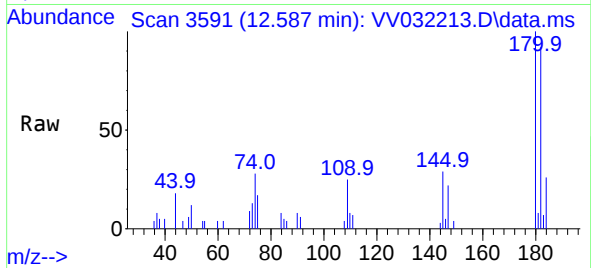
Tgt Ion: 75 Resp: 1218
Ion Ratio Lower Upper
75 100
155 84.3 70.0 105.0
157 100.5 90.4 135.6



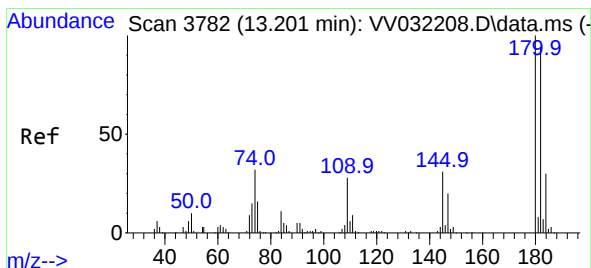
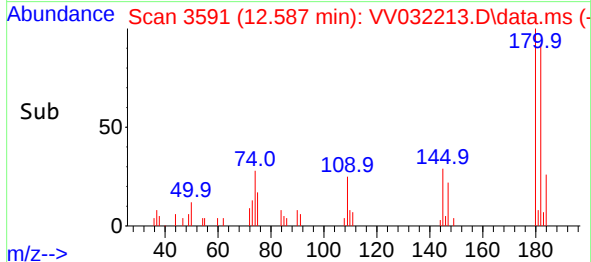
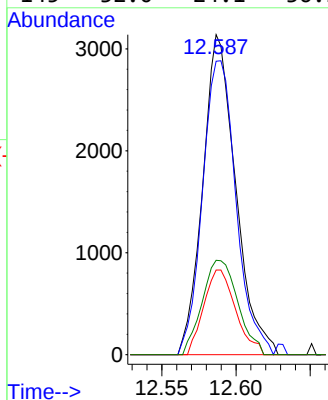


#69
1,3,5-Trichlorobenzene
Concen: 2.415 ug/L
RT: 12.587 min Scan# 3591
Delta R.T. 0.000 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07

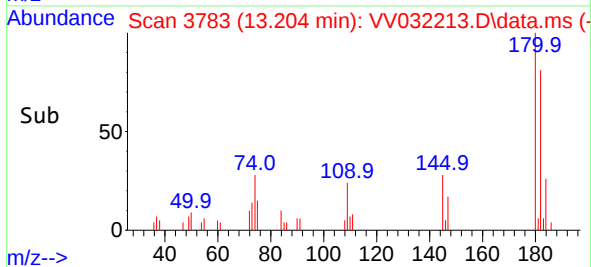
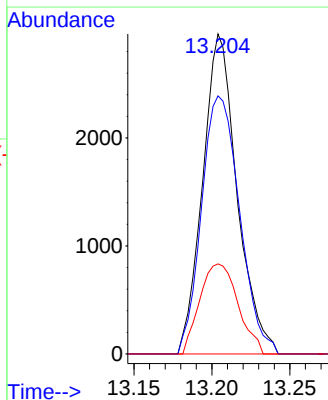
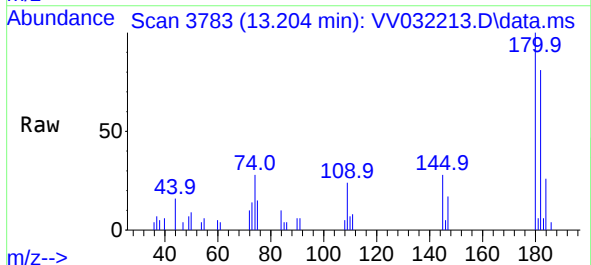


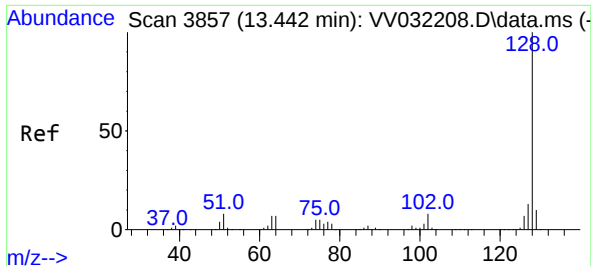
Tgt Ion:180 Resp: 4835
Ion Ratio Lower Upper
180 100
182 93.5 75.6 113.4
184 25.7 23.9 35.9
145 32.0 24.1 36.1



#70
1,2,4-trichlorobenzene
Concen: 2.410 ug/L
RT: 13.204 min Scan# 3783
Delta R.T. 0.003 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

Tgt Ion:180 Resp: 4537
Ion Ratio Lower Upper
180 100
182 89.3 75.3 112.9
145 31.4 24.4 36.6

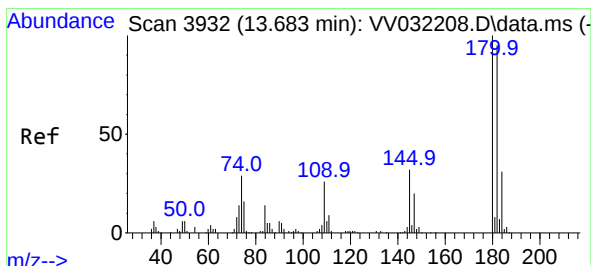
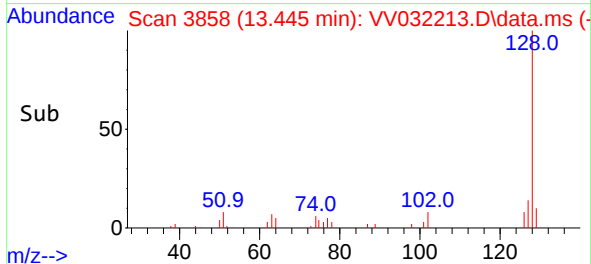
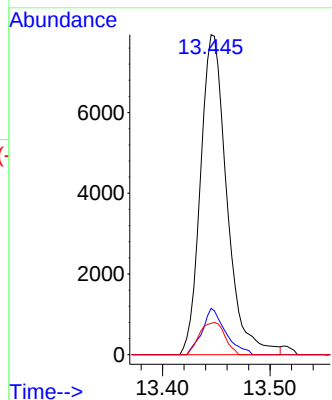
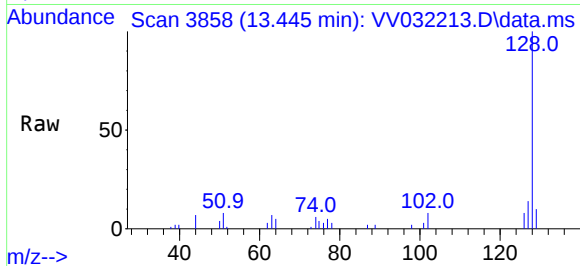




#71
Naphthalene
Concen: 2.179 ug/L
RT: 13.445 min Scan# 3857
Delta R.T. 0.003 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-07

Tgt Ion:128	Resp:	13518
Ion	Ratio	Lower Upper
128	100	
127	12.8	10.1 15.1
129	9.7	8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 2.248 ug/L
RT: 13.686 min Scan# 3933
Delta R.T. 0.003 min
Lab File: VV032213.D
Acq: 03 Oct 2023 13:29

Tgt Ion:180	Resp:	4206
Ion	Ratio	Lower Upper
180	100	
182	102.1	75.2 112.8
145	33.7	25.8 38.8

