

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120523\
 Data File : VX039081.D
 Acq On : 05 Dec 2023 13:59
 Operator : JC/MD
 Sample : 04696-02 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT4-2023-08

Quant Time: Dec 06 03:45:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML120523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 06 02:19:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	255732	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	239719	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	117701	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	102010	50.857	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.720%
7) Chloroethane-d5	1.666	69	76493	51.594	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.180%
11) 1,1-Dichloroethene-d2	2.307	65	44100	50.086	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.180%
21) 2-Butanone-d5	4.446	46	191750	105.609	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.610%
24) Chloroform-d	5.056	84	174220	49.065	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.140%
26) 1,2-Dichloroethane-d4	5.952	65	116081	50.479	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.960%
32) Benzene-d6	5.971	84	380092	51.376	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.760%
36) 1,2-Dichloropropane-d6	7.306	67	123085	51.697	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.400%
41) Toluene-d8	8.647	98	340511	50.789	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.580%
43) trans-1,3-Dichloroprop...	8.946	79	59688	49.264	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.520%
47) 2-Hexanone-d5	9.378	63	146573	103.073	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.070%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	168900	50.007	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.020%
66) 1,2-Dichlorobenzene-d4	12.317	152	114164	51.315	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.640%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	5009	2.456	ug/L	100
3) Chloromethane	1.295	50	5281	2.477	ug/L	91
5) Vinyl chloride	1.374	62	5600	2.666	ug/L #	63
6) Bromomethane	1.612	94	3362	2.965	ug/L	82
8) Chloroethane	1.691	64	3027	2.549	ug/L	94
9) Trichlorofluoromethane	1.892	101	6565	2.411	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	5428	3.099	ug/L #	86
12) 1,1-Dichloroethene	2.319	96	5229	3.174	ug/L #	1
13) Acetone	2.374	43	7672	4.398	ug/L	98
14) Carbon disulfide	2.514	76	14075	2.685	ug/L	96
15) Methyl Acetate	2.697	43	6088	2.442	ug/L	98
16) Methylene chloride	2.788	84	4975	2.628	ug/L	85
17) trans-1,2-Dichloroethene	3.093	96	4395	2.532	ug/L	90
18) Methyl tert-butyl Ether	3.111	73	14287	2.365	ug/L	99
19) 1,1-Dichloroethane	3.611	63	8150	2.375	ug/L	93
20) cis-1,2-Dichloroethene	4.489	96	4911	2.439	ug/L	90
22) 2-Butanone	4.556	43	10280	4.802	ug/L	90
23) Bromochloromethane	4.891	128	2244	2.371	ug/L #	90
25) Chloroform	5.087	83	13567	3.963	ug/L	95

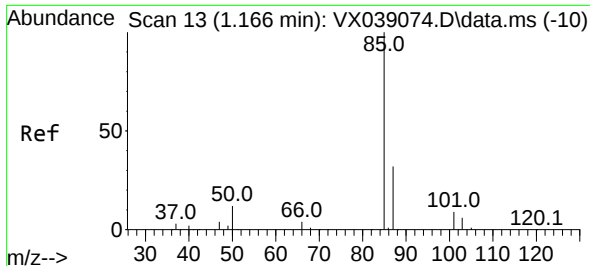
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.092	62	7026	2.600	ug/L	97
29) Cyclohexane	5.471	56	8255	2.462	ug/L #	94
30) 1,1,1-Trichloroethane	5.385	97	7173	2.466	ug/L	99
31) Carbon tetrachloride	5.666	117	5402m	2.226	ug/L	
33) Benzene	6.031	78	18633	2.446	ug/L	100
34) Trichloroethene	7.123	95	5062	2.514	ug/L	89
35) Methylcyclohexane	7.379	83	8128	2.424	ug/L	98
37) 1,2-Dichloropropane	7.428	63	5039	2.385	ug/L #	96
38) Bromodichloromethane	7.818	83	5973	2.324	ug/L #	99
39) cis-1,3-Dichloropropene	8.366	75	7336	2.177	ug/L	86
40) 4-Methyl-2-pentanone	8.574	43	16482	4.655	ug/L	98
42) Toluene	8.714	91	19905	2.464	ug/L	97
44) trans-1,3-Dichloropropene	8.976	75	7316	2.340	ug/L	97
45) 1,1,2-Trichloroethane	9.147	97	4422	2.284	ug/L	94
46) Tetrachloroethene	9.275	164	3312	2.494	ug/L	97
48) 2-Hexanone	9.427	43	14560	4.913	ug/L	99
49) Dibromochloromethane	9.519	129	4493	2.382	ug/L	93
50) 1,2-Dibromoethane	9.610	107	5270	2.541	ug/L #	95
51) Chlorobenzene	10.080	112	12334	2.472	ug/L	95
52) Ethylbenzene	10.195	91	21978	2.434	ug/L	95
53) m,p-Xylene	10.299	106	7945	2.353	ug/L	96
54) o-Xylene	10.640	106	7608	2.348	ug/L	83
55) Styrene	10.659	104	13091	2.361	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.207	83	8885	2.629	ug/L #	88
59) Bromoform	10.799	173	3010	2.176	ug/L #	98
60) Isopropylbenzene	10.964	105	20220	2.351	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	6547	2.539	ug/L	95
62) 1,3,5-Trimethylbenzene	11.451	105	17333	2.387	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	17179	2.413	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	9458	2.569	ug/L	93
65) 1,4-Dichlorobenzene	12.037	146	9573	2.566	ug/L	89
67) 1,2-Dichlorobenzene	12.335	146	8614	2.446	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.939	75	1799	2.236	ug/L #	89
69) 1,3,5-Trichlorobenzene	13.116	180	6253	2.569	ug/L	98
70) 1,2,4-trichlorobenzene	13.585	180	5959	2.596	ug/L	95
71) Naphthalene	13.774	128	19049	2.420	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	5303	2.386	ug/L	94

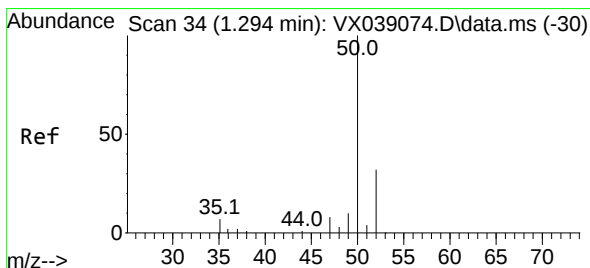
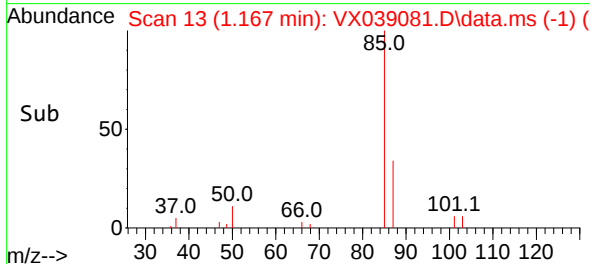
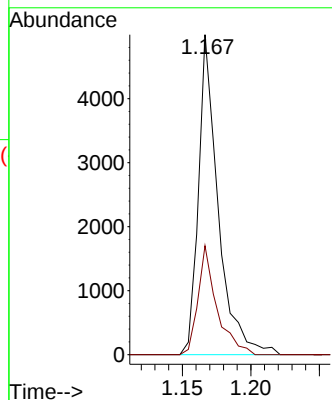
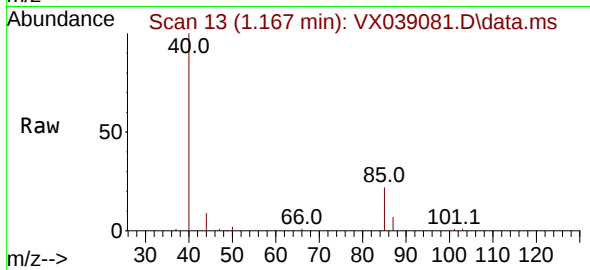
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 2.456 ug/L
RT: 1.167 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039081.D
Acq: 05 Dec 2023 13:59

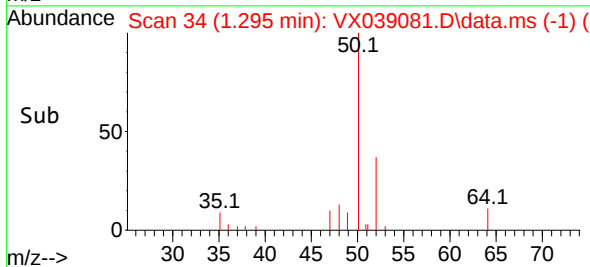
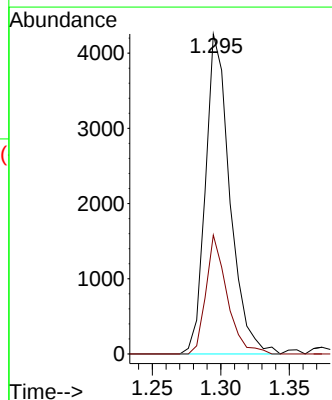
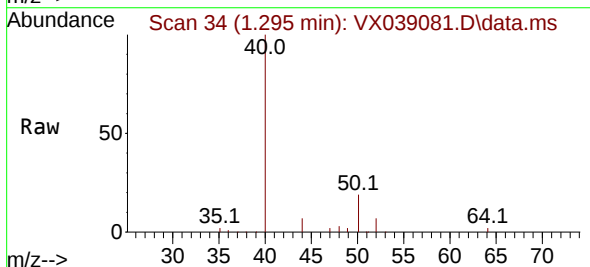
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT4-2023-08

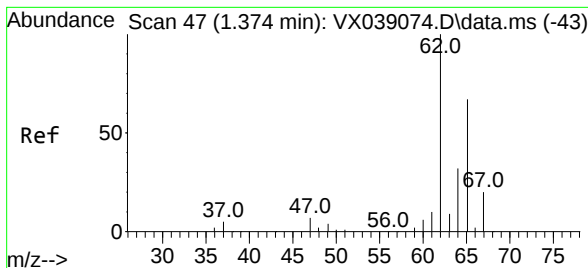
Tgt Ion: 85 Resp: 5009
Ion Ratio Lower Upper
85 100
87 32.6 26.2 39.4



#3
Chloromethane
Concen: 2.477 ug/L
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX039081.D
Acq: 05 Dec 2023 13:59

Tgt Ion: 50 Resp: 5281
Ion Ratio Lower Upper
50 100
52 37.1 22.4 41.6





#5

Vinyl chloride

Concen: 2.666 ug/L

RT: 1.374 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX039081.D

Acq: 05 Dec 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

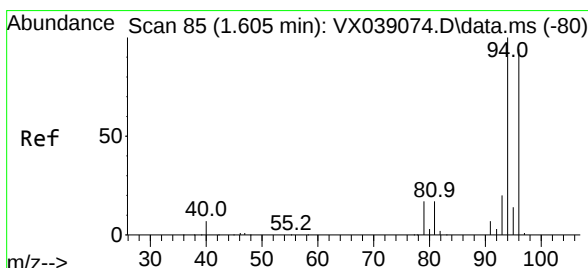
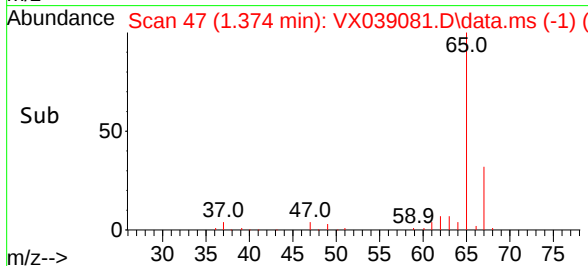
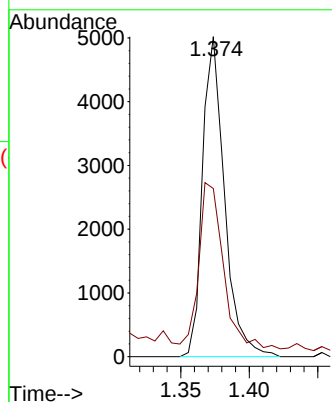
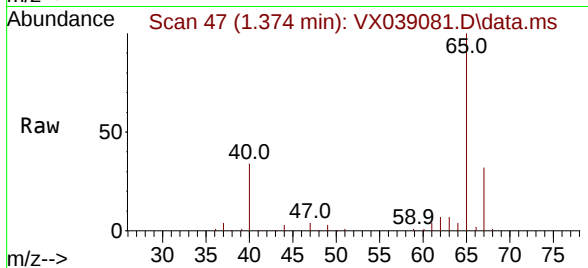
MDL-WATER-QT4-2023-08

Tgt Ion: 62 Resp: 5600

Ion Ratio Lower Upper

62 100

64 52.5 22.3 41.3#



#6

Bromomethane

Concen: 2.965 ug/L

RT: 1.612 min Scan# 86

Delta R.T. 0.006 min

Lab File: VX039081.D

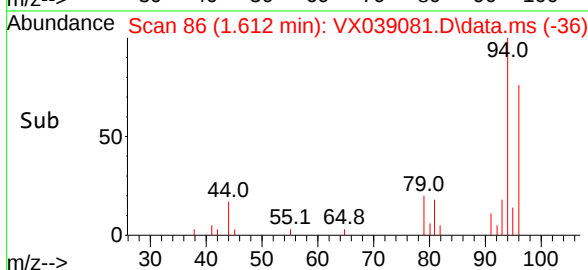
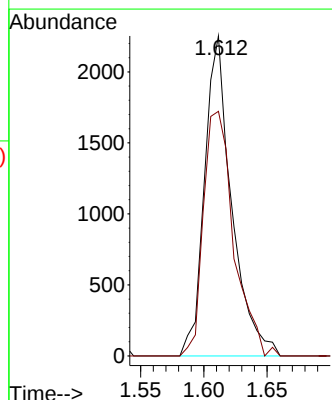
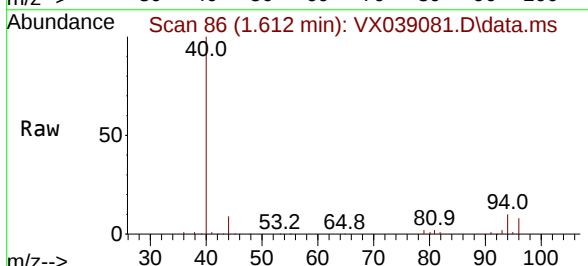
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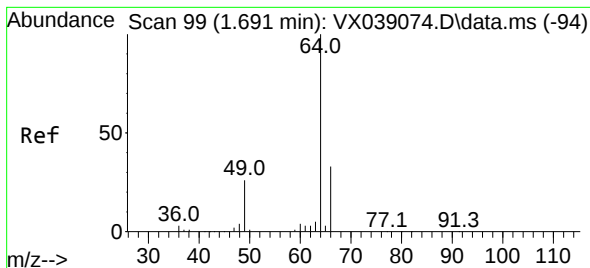
Tgt Ion: 94 Resp: 3362

Ion Ratio Lower Upper

94 100

96 76.4 65.8 122.2





#8

Chloroethane

Concen: 2.549 ug/L

RT: 1.691 min Scan# 99

Delta R.T. 0.000 min

Lab File: VX039081.D

Acq: 05 Dec 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

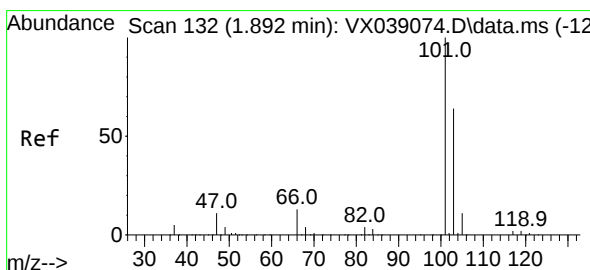
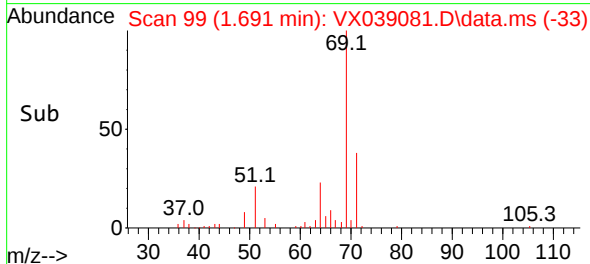
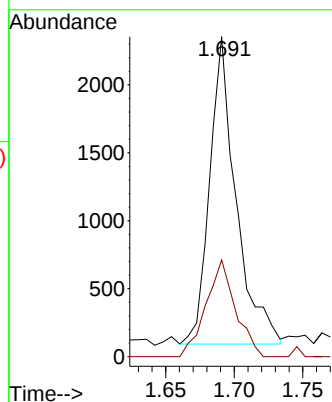
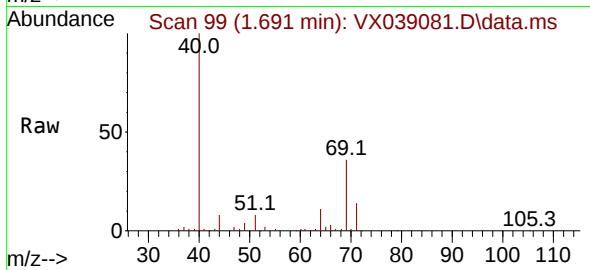
MDL-WATER-QT4-2023-08

Tgt Ion: 64 Resp: 3027

Ion Ratio Lower Upper

64 100

66 30.2 23.4 43.6



#9

Trichlorofluoromethane

Concen: 2.411 ug/L

RT: 1.892 min Scan# 132

Delta R.T. 0.000 min

Lab File: VX039081.D

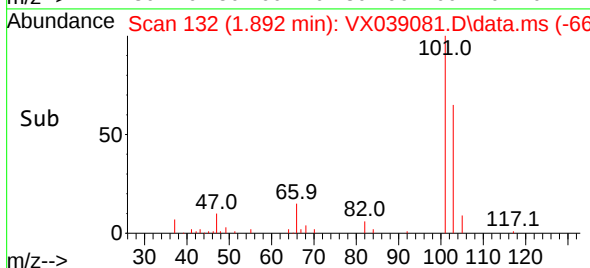
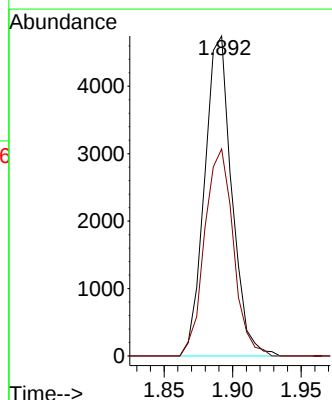
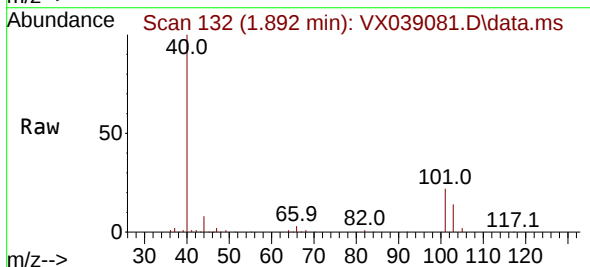
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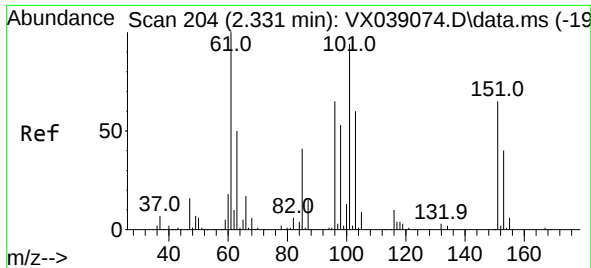
Tgt Ion: 101 Resp: 6565

Ion Ratio Lower Upper

101 100

103 68.4 51.4 77.2

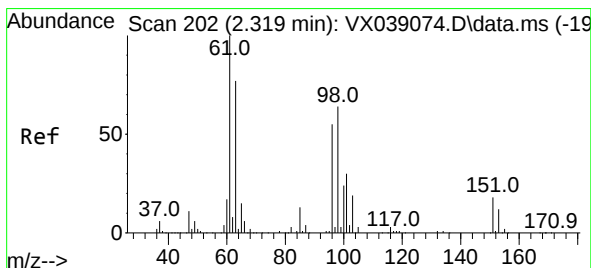
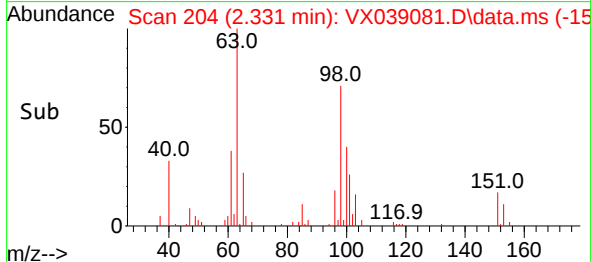
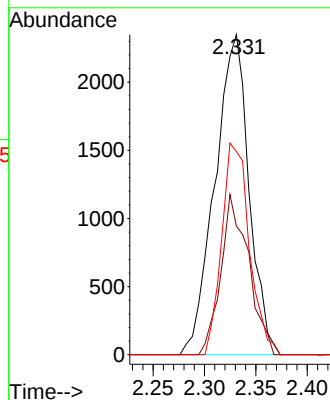
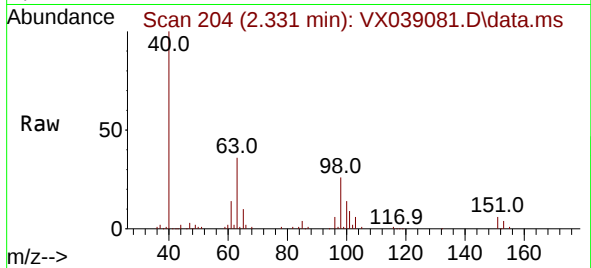




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.099 ug/L
 RT: 2.331 min Scan# 204
 Delta R.T. 0.000 min
 Lab File: VX039081.D
 Acq: 05 Dec 2023 13:59

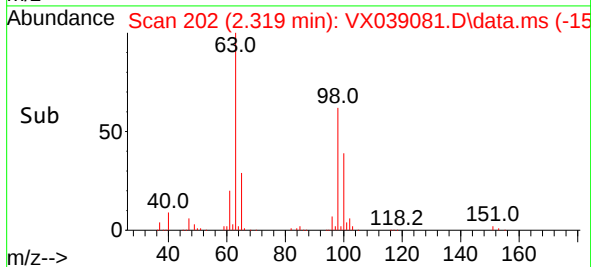
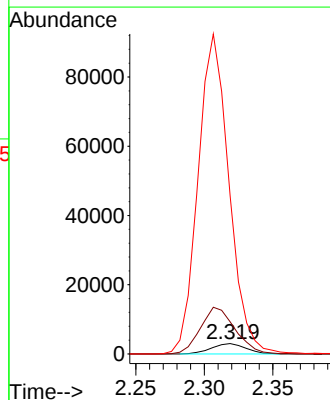
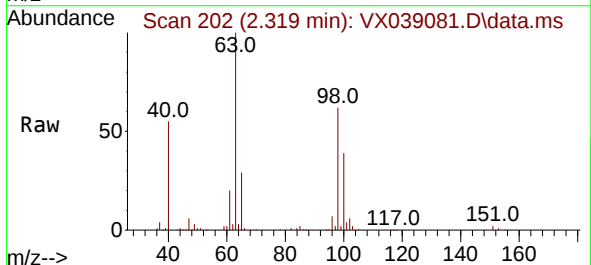
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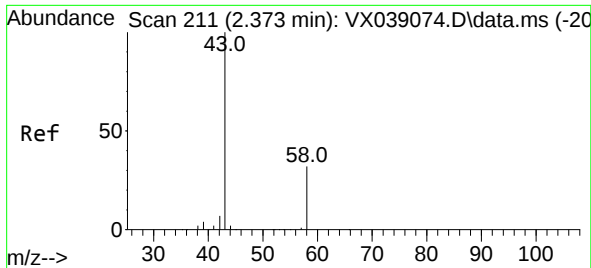
Tgt Ion:101 Resp: 5428
 Ion Ratio Lower Upper
 101 100
 85 40.4 35.8 53.6
 151 53.5 55.4 83.2#



#12
 1,1-Dichloroethene
 Concen: 3.174 ug/L
 RT: 2.319 min Scan# 202
 Delta R.T. 0.000 min
 Lab File: VX039081.D
 Acq: 05 Dec 2023 13:59

Tgt Ion: 96 Resp: 5229
 Ion Ratio Lower Upper
 96 100
 61 310.0 128.0 237.6#
 63 1527.6 101.5 188.5#





#13

Acetone

Concen: 4.398 ug/L

RT: 2.374 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX039081.D

Acq: 05 Dec 2023 13:59

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MSVOA_X

ClientSampleId :

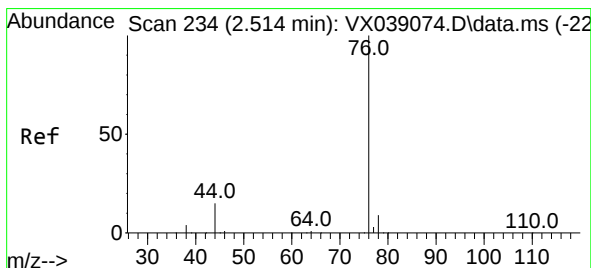
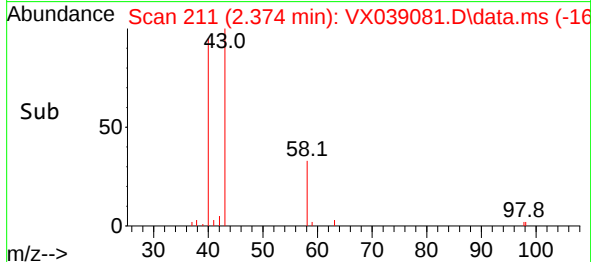
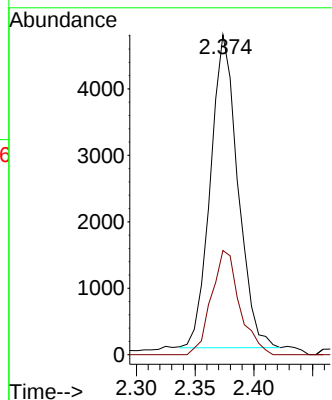
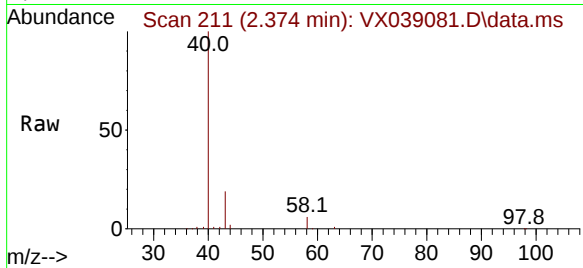
MDL-WATER-QT4-2023-08

Tgt Ion: 43 Resp: 7672

Ion Ratio Lower Upper

43 100

58 33.9 0.0 65.8



#14

Carbon disulfide

Concen: 2.685 ug/L

RT: 2.514 min Scan# 234

Delta R.T. 0.000 min

Lab File: VX039081.D

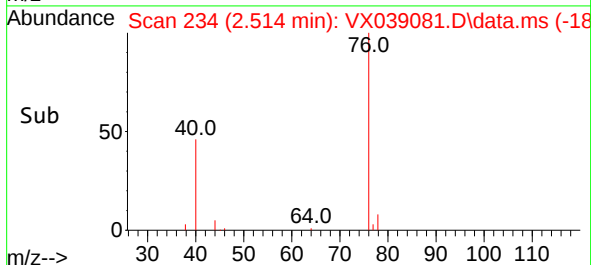
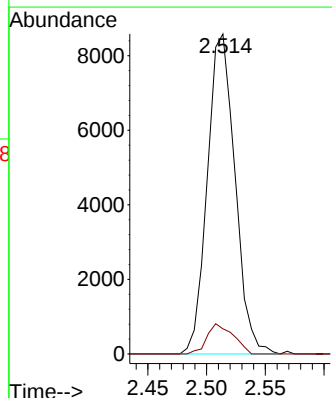
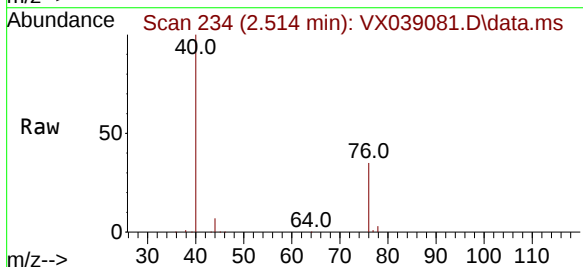
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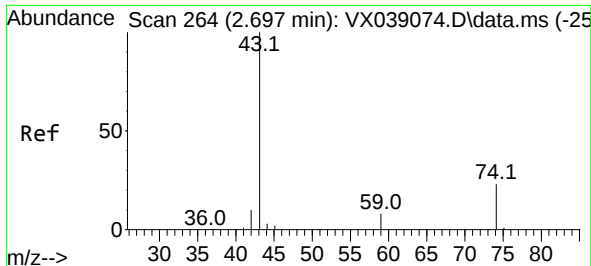
Tgt Ion: 76 Resp: 14075

Ion Ratio Lower Upper

76 100

78 7.9 7.4 11.2

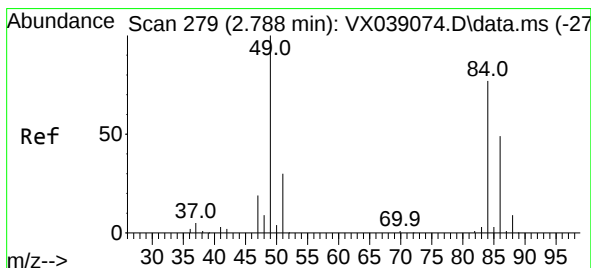
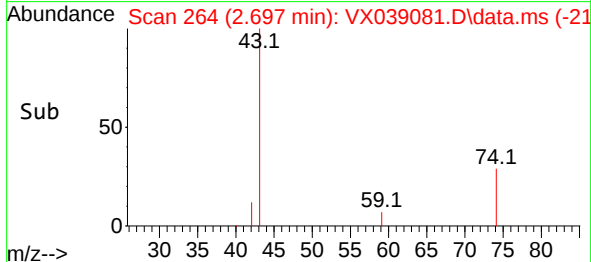
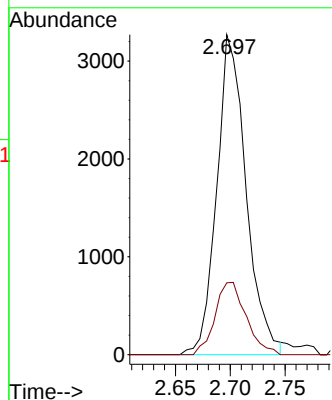
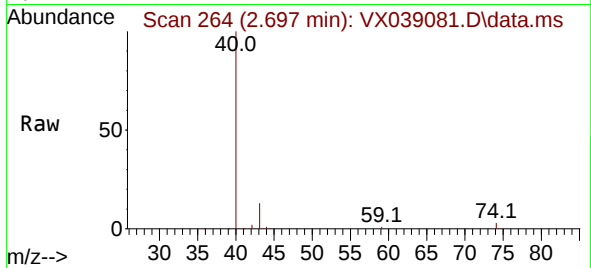




#15
Methyl Acetate
Concen: 2.442 ug/L
RT: 2.697 min Scan# 264
Delta R.T. 0.000 min
Lab File: VX039081.D
Acq: 05 Dec 2023 13:59

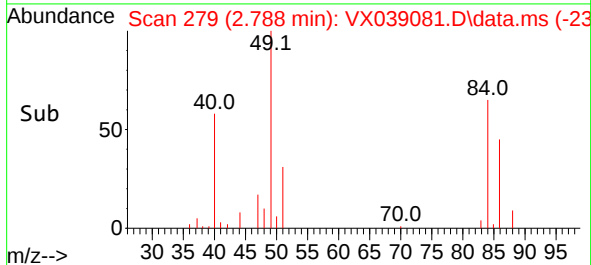
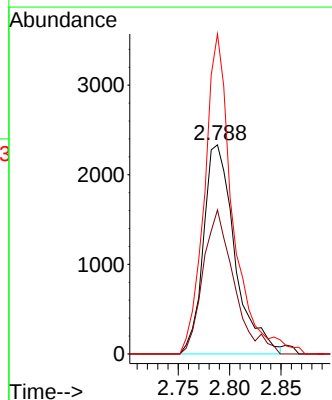
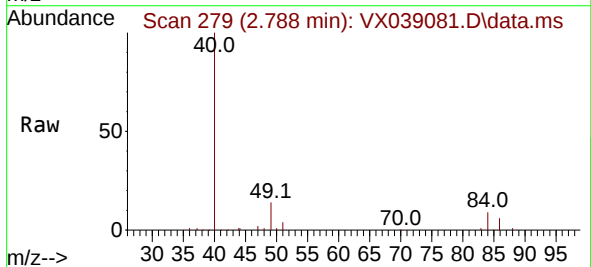
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT4-2023-08

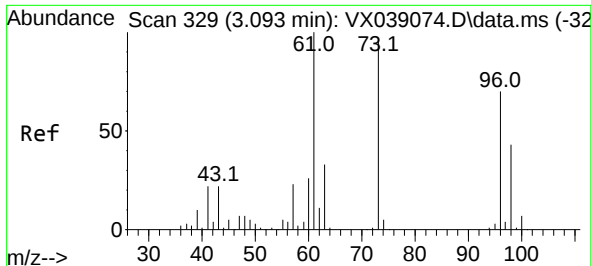
Tgt Ion: 43 Resp: 6088
Ion Ratio Lower Upper
43 100
74 24.0 18.2 27.4



#16
Methylene chloride
Concen: 2.628 ug/L
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX039081.D
Acq: 05 Dec 2023 13:59

Tgt Ion: 84 Resp: 4975
Ion Ratio Lower Upper
84 100
86 68.8 44.7 82.9
49 153.0 90.9 168.7

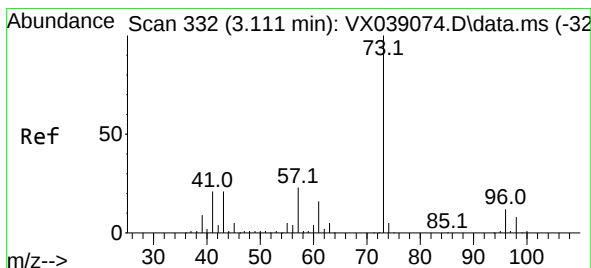
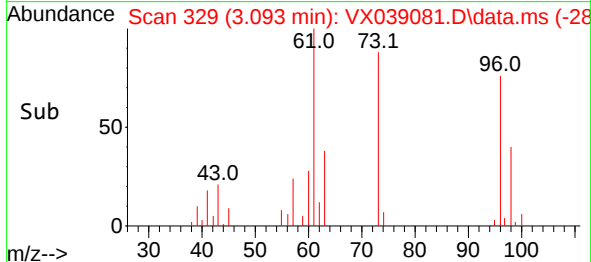
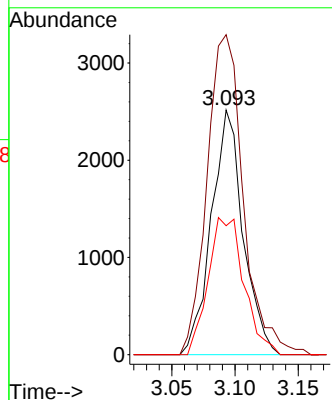
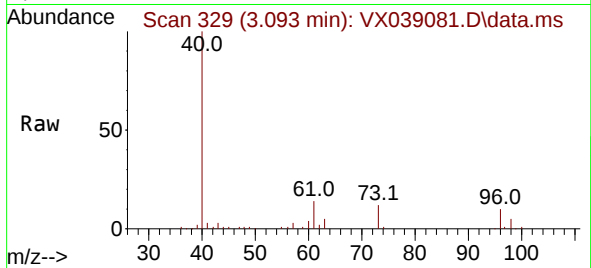




#17
trans-1,2-Dichloroethene
Concen: 2.532 ug/L
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX039081.D
Acq: 05 Dec 2023 13:59

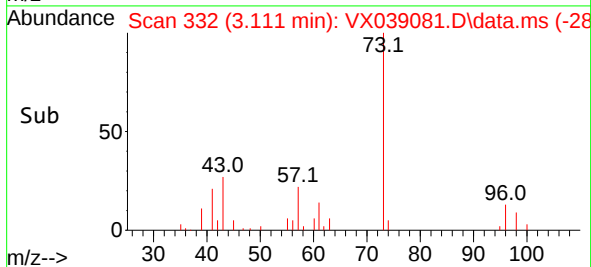
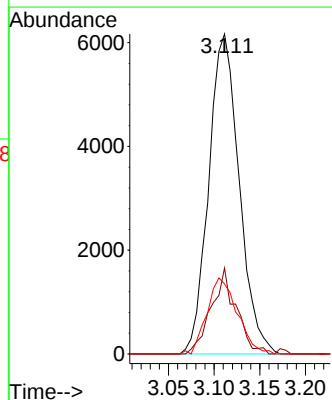
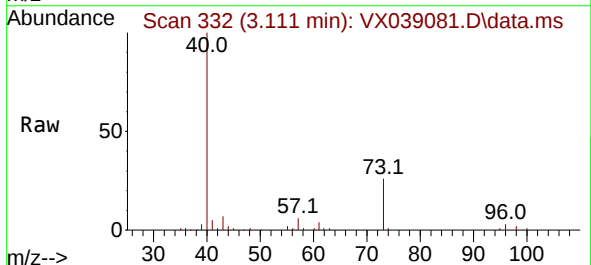
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT4-2023-08

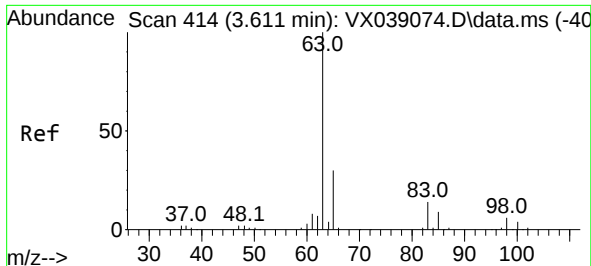
Tgt Ion: 96 Resp: 4395
Ion Ratio Lower Upper
96 100
61 130.8 99.8 185.3
98 52.7 42.6 79.2



#18
Methyl tert-butyl Ether
Concen: 2.365 ug/L
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX039081.D
Acq: 05 Dec 2023 13:59

Tgt Ion: 73 Resp: 14287
Ion Ratio Lower Upper
73 100
43 21.3 16.9 25.3
57 23.4 18.5 27.7





#19

1,1-Dichloroethane

Concen: 2.375 ug/L

RT: 3.611 min Scan# 414

Delta R.T. 0.000 min

Lab File: VX039081.D

Acq: 05 Dec 2023 13:59

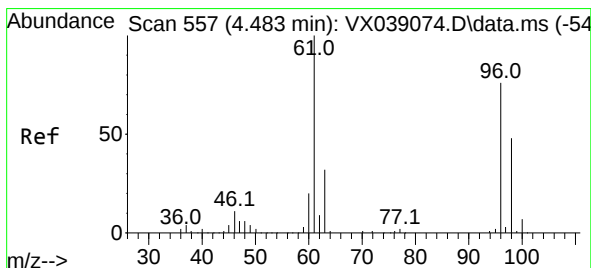
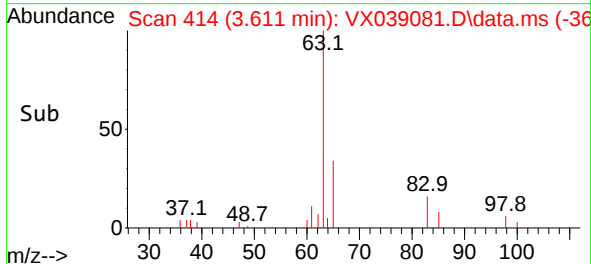
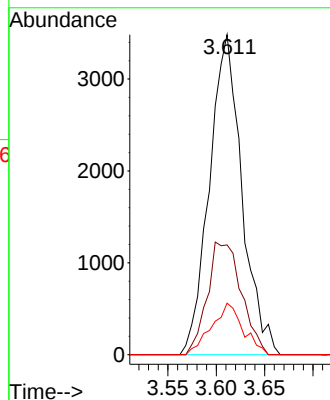
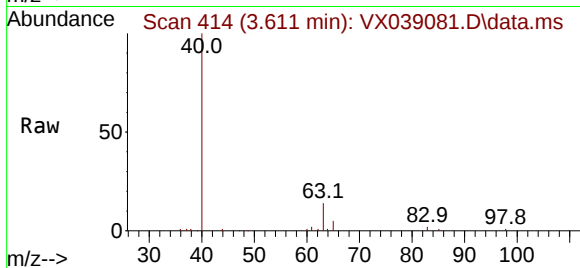
Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT4-2023-08

Tgt Ion: 63	Resp: 8150
Ion Ratio	Lower Upper
63	100
65	34.3 21.1 39.3
83	16.1 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 2.439 ug/L

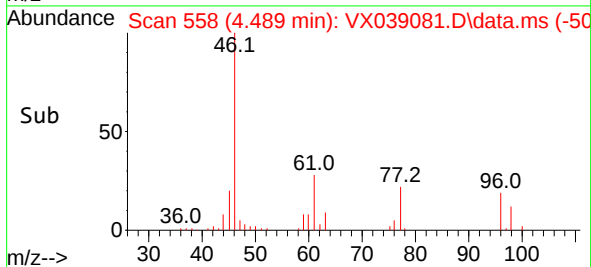
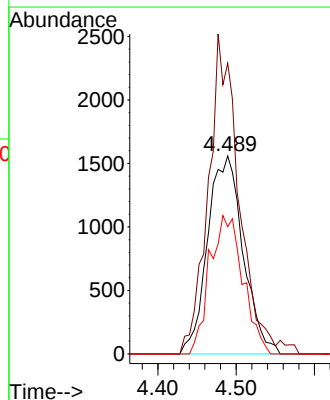
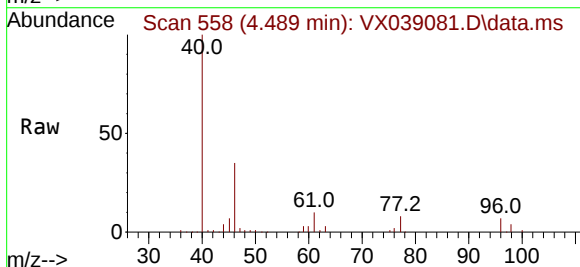
RT: 4.489 min Scan# 558

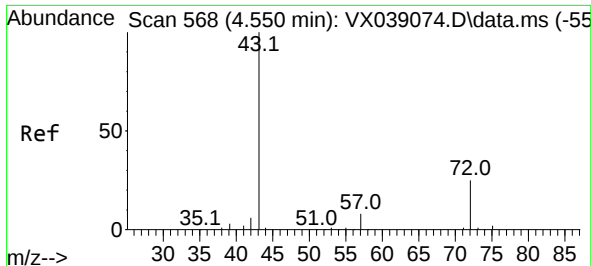
Delta R.T. 0.006 min

Lab File: VX039081.D

Acq: 05 Dec 2023 13:59

Tgt Ion: 96	Resp: 4911
Ion Ratio	Lower Upper
96	100
61	146.8 91.7 170.3
98	64.2 44.2 82.2

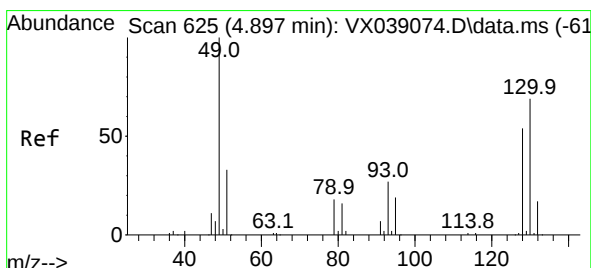
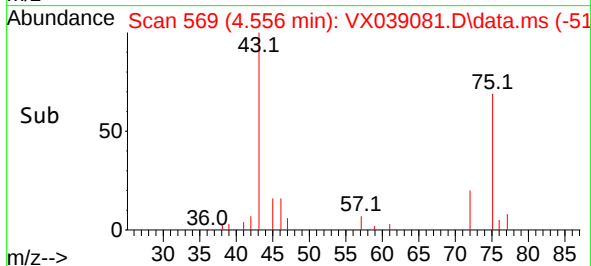
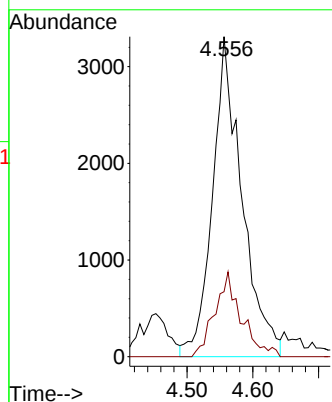
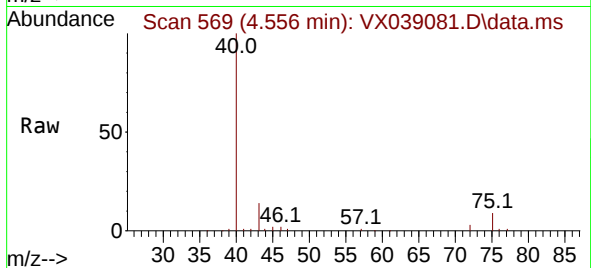




#22
2-Butanone
Concen: 4.802 ug/L
RT: 4.556 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX039081.D
Acq: 05 Dec 2023 13:59

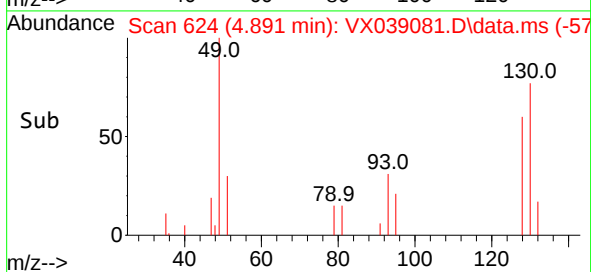
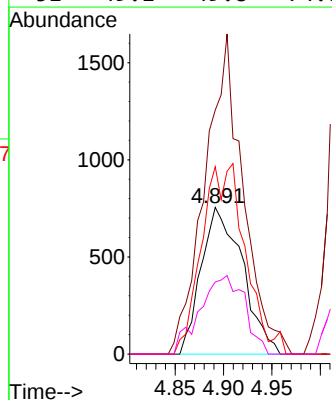
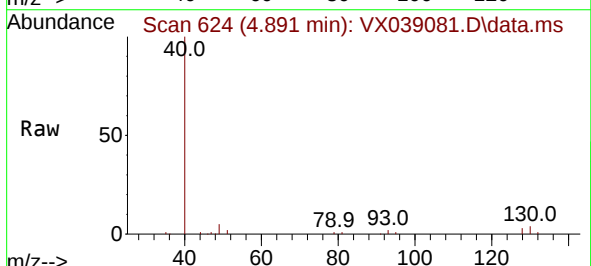
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT4-2023-08

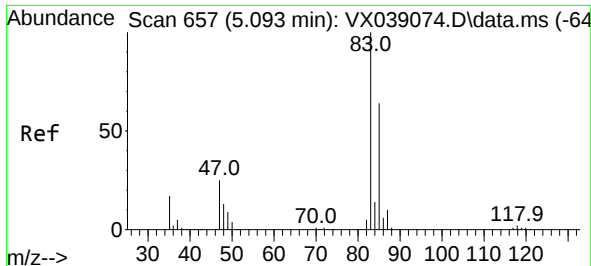
Tgt Ion: 43 Resp: 10280
Ion Ratio Lower Upper
43 100
72 19.8 12.6 37.6



#23
Bromochloromethane
Concen: 2.371 ug/L
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX039081.D
Acq: 05 Dec 2023 13:59

Tgt Ion:128 Resp: 2244
Ion Ratio Lower Upper
128 100
49 166.4 130.8 243.0
130 127.7 90.6 168.3
51 49.1 49.8 74.8#





#25

Chloroform

Concen: 3.963 ug/L

RT: 5.087 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX039081.D

Acq: 05 Dec 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

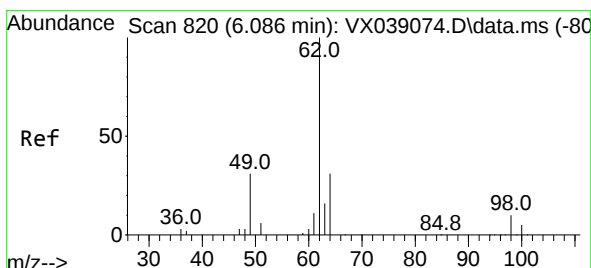
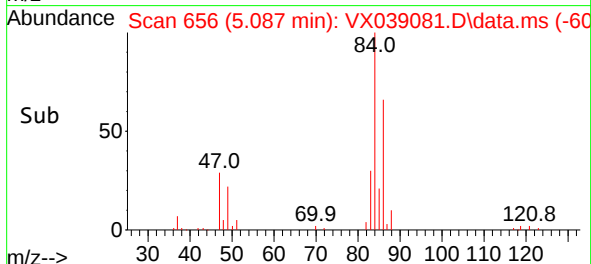
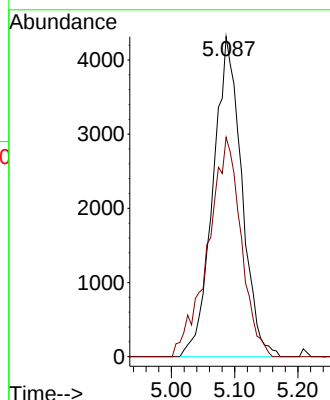
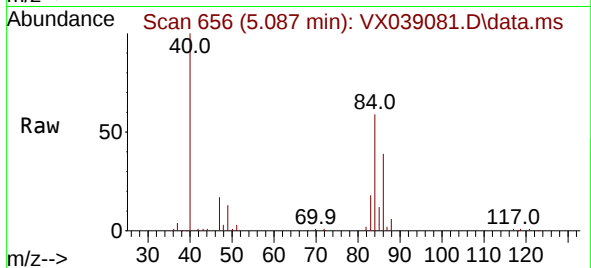
MDL-WATER-QT4-2023-08

Tgt Ion: 83 Resp: 13567

Ion Ratio Lower Upper

83 100

85 68.5 45.1 83.7



#27

1,2-Dichloroethane

Concen: 2.600 ug/L

RT: 6.092 min Scan# 821

Delta R.T. 0.006 min

Lab File: VX039081.D

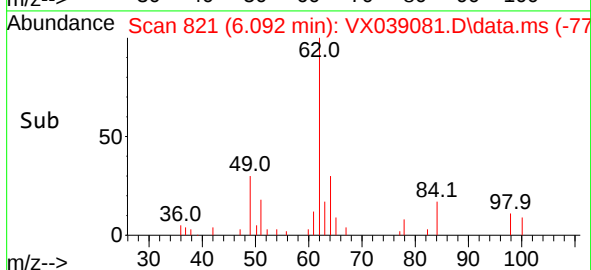
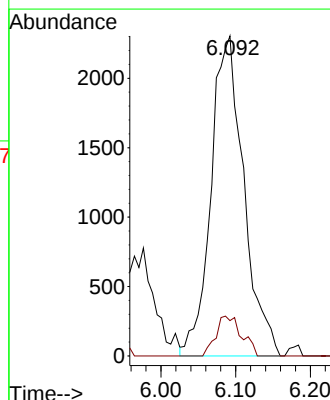
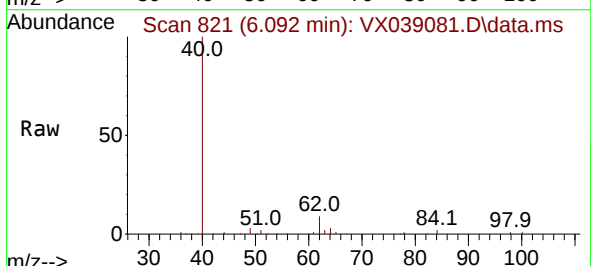
Acq: 05 Dec 2023 13:59

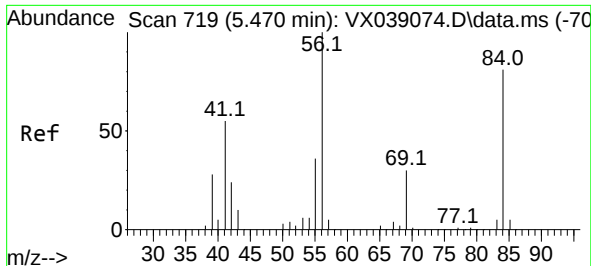
Tgt Ion: 62 Resp: 7026

Ion Ratio Lower Upper

62 100

98 11.1 8.0 12.0

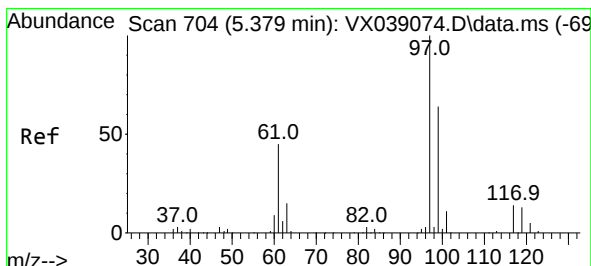
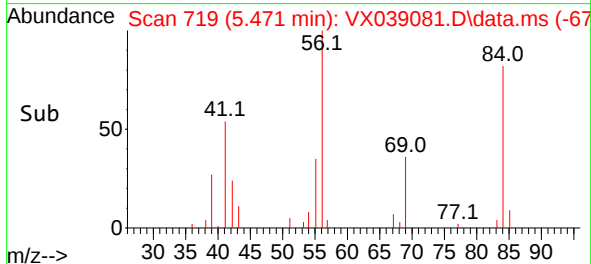
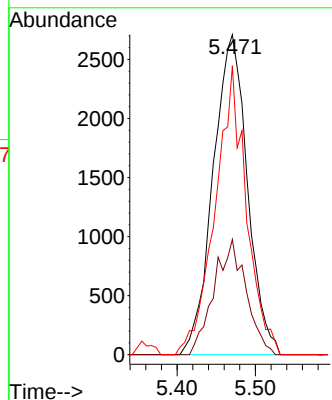
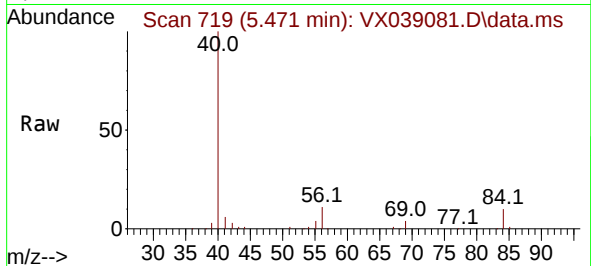




#29
Cyclohexane
Concen: 2.462 ug/L
RT: 5.471 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX039081.D
Acq: 05 Dec 2023 13:59

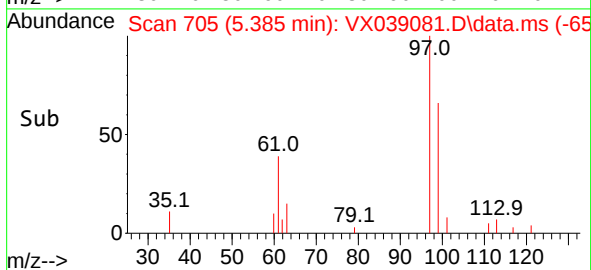
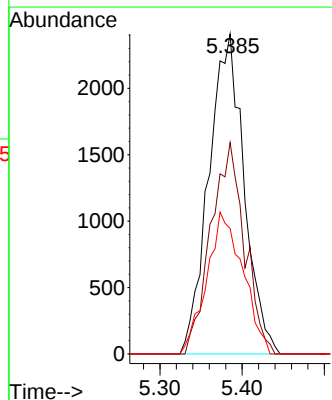
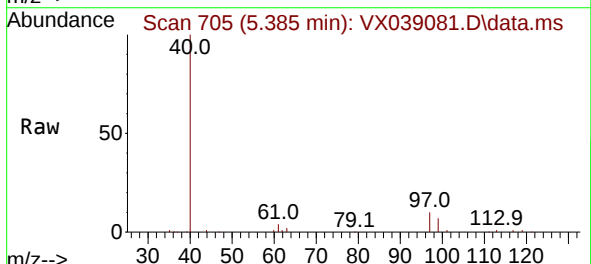
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT4-2023-08

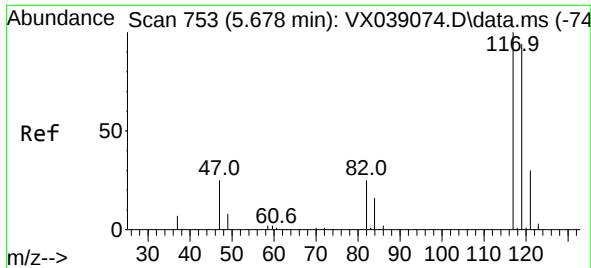
Tgt Ion: 56 Resp: 8255
Ion Ratio Lower Upper
56 100
69 20.7 24.5 36.7#
84 81.7 67.0 100.4



#30
1,1,1-Trichloroethane
Concen: 2.466 ug/L
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX039081.D
Acq: 05 Dec 2023 13:59

Tgt Ion: 97 Resp: 7173
Ion Ratio Lower Upper
97 100
99 63.4 51.0 76.4
61 45.4 36.7 55.1

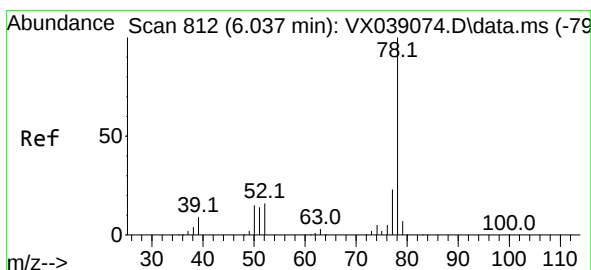
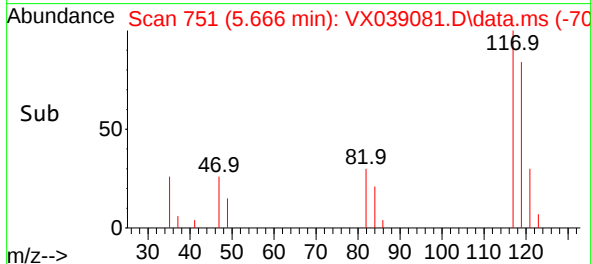
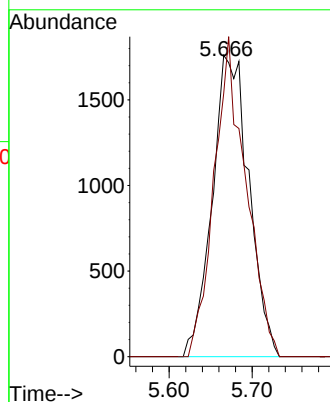
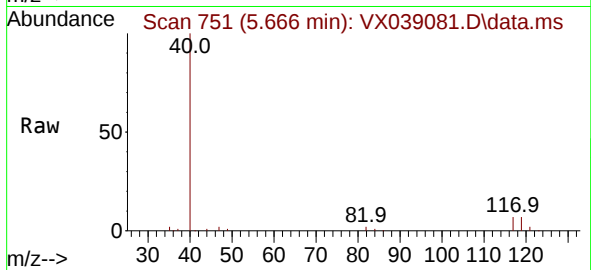




#31
Carbon tetrachloride
Concen: 2.226 ug/L m
RT: 5.666 min Scan# 751
Delta R.T. -0.012 min
Lab File: VX039081.D
Acq: 05 Dec 2023 13:59

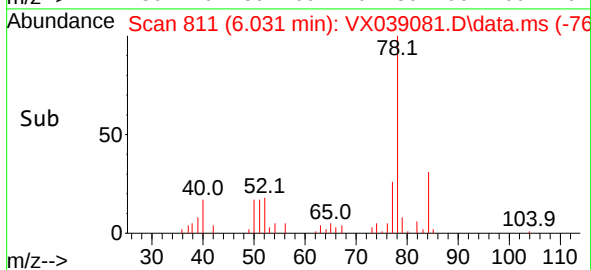
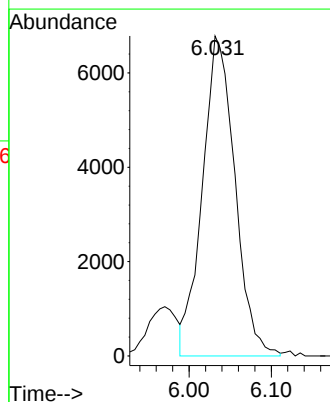
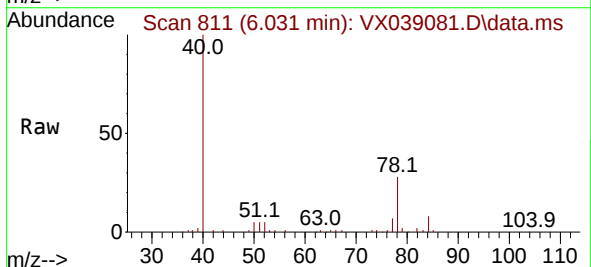
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT4-2023-08

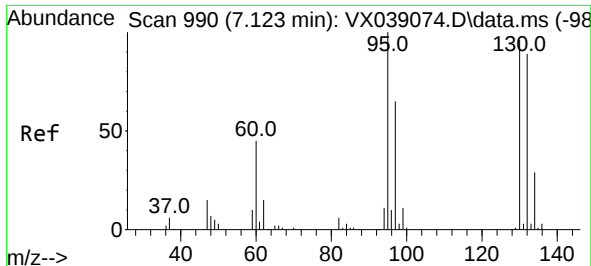
Tgt Ion:117 Resp: 5402
Ion Ratio Lower Upper
117 100
119 92.0 77.0 115.4



#33
Benzene
Concen: 2.446 ug/L
RT: 6.031 min Scan# 811
Delta R.T. -0.006 min
Lab File: VX039081.D
Acq: 05 Dec 2023 13:59

Tgt Ion: 78 Resp: 18633

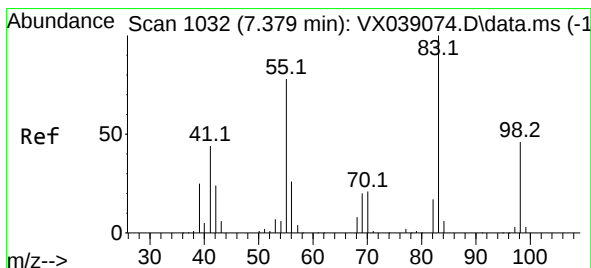
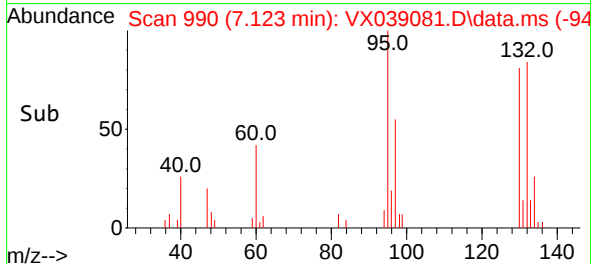
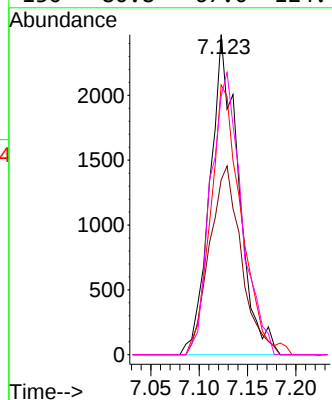
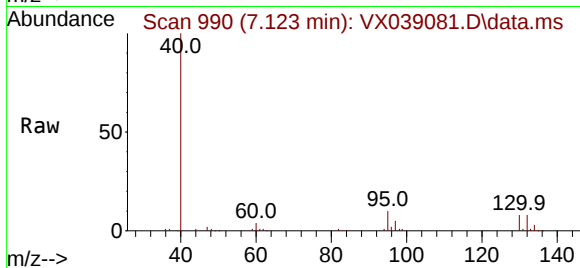




#34
Trichloroethene
Concen: 2.514 ug/L
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX039081.D
Acq: 05 Dec 2023 13:59

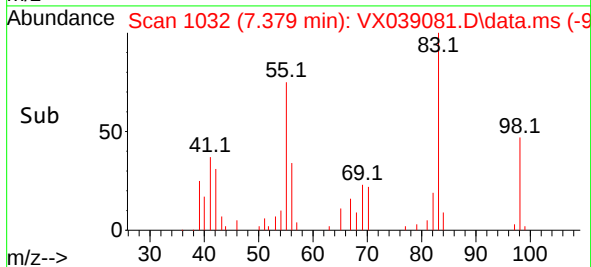
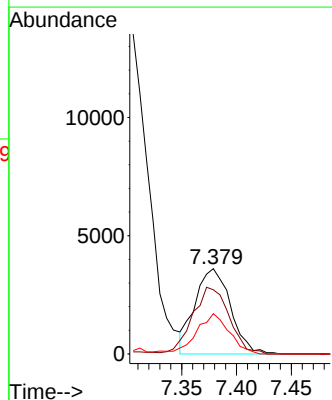
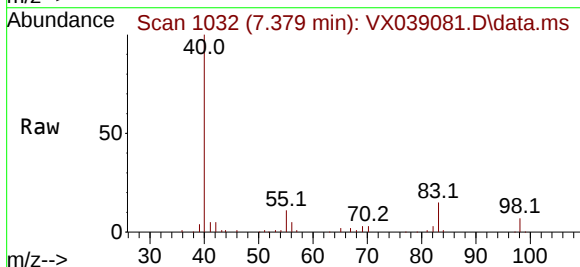
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT4-2023-08

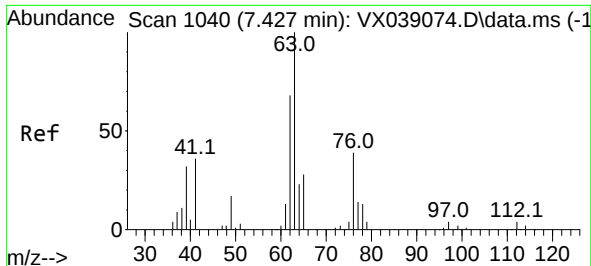
Tgt Ion:	95	Resp:	5062
Ion	Ratio	Lower	Upper
95	100		
97	54.7	45.5	84.5
132	84.3	62.2	115.4
130	80.8	67.0	124.4



#35
Methylcyclohexane
Concen: 2.424 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX039081.D
Acq: 05 Dec 2023 13:59

Tgt Ion:	83	Resp:	8128
Ion	Ratio	Lower	Upper
83	100		
55	76.7	62.5	93.7
98	43.1	36.1	54.1





#37

1,2-Dichloropropane

Concen: 2.385 ug/L

RT: 7.428 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX039081.D

Acq: 05 Dec 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

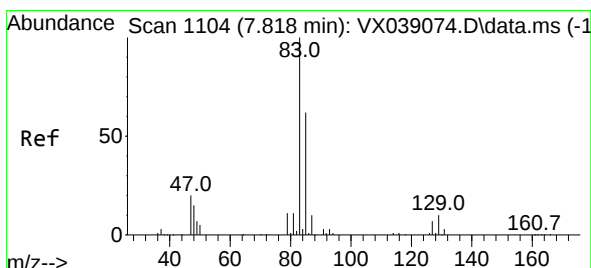
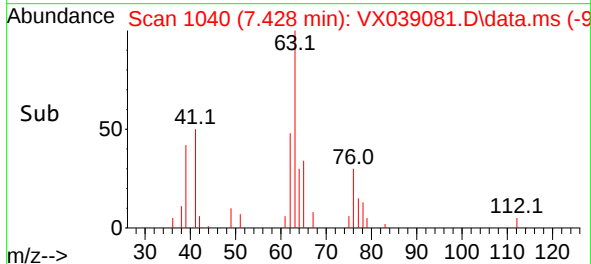
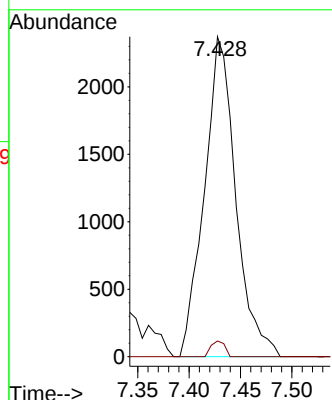
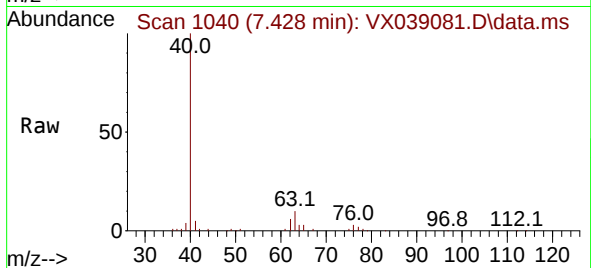
MDL-WATER-QT4-2023-08

Tgt Ion: 63 Resp: 5039

Ion Ratio Lower Upper

63 100

112 2.2 2.8 4.2#



#38

Bromodichloromethane

Concen: 2.324 ug/L

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX039081.D

Acq: 05 Dec 2023 13:59

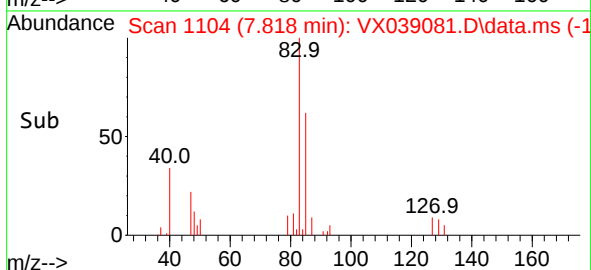
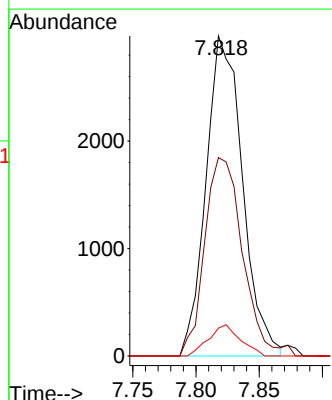
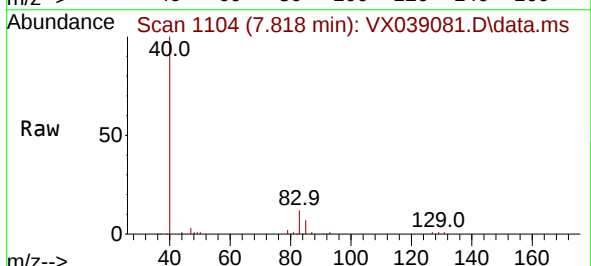
Tgt Ion: 83 Resp: 5973

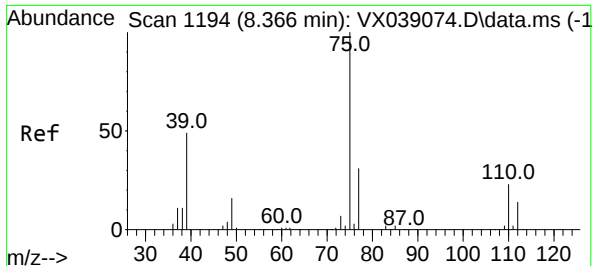
Ion Ratio Lower Upper

83 100

85 62.0 43.3 80.5

127 8.7 5.8 8.6#





#39

cis-1,3-Dichloropropene

Concen: 2.177 ug/L

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX039081.D

Acq: 05 Dec 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

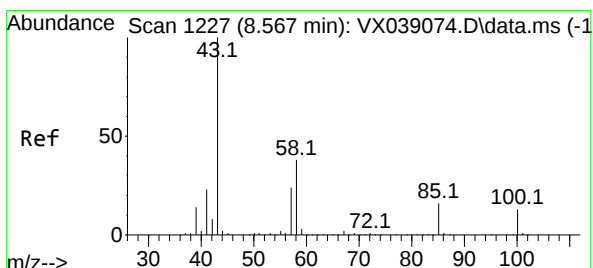
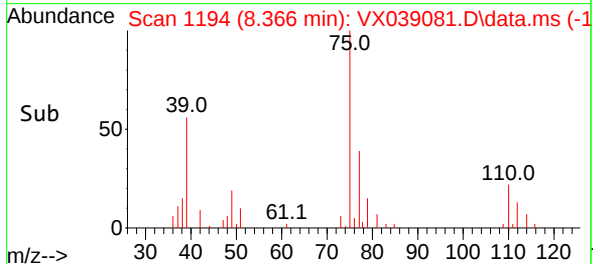
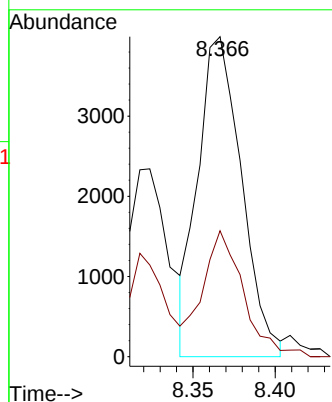
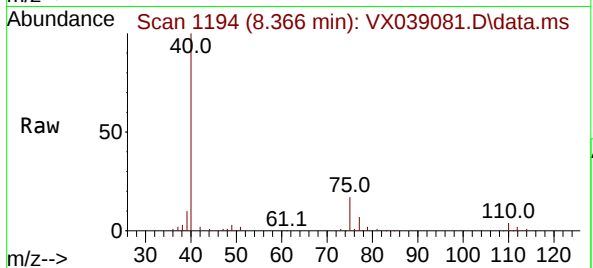
MDL-WATER-QT4-2023-08

Tgt Ion: 75 Resp: 7336

Ion Ratio Lower Upper

75 100

77 39.3 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 4.655 ug/L

RT: 8.574 min Scan# 1228

Delta R.T. 0.006 min

Lab File: VX039081.D

Acq: 05 Dec 2023 13:59

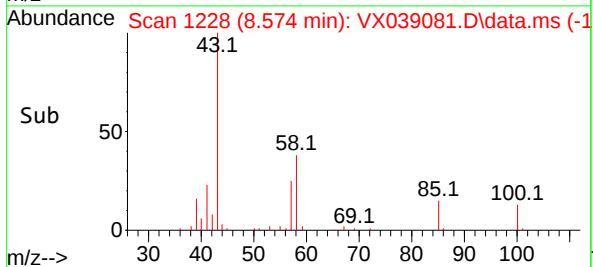
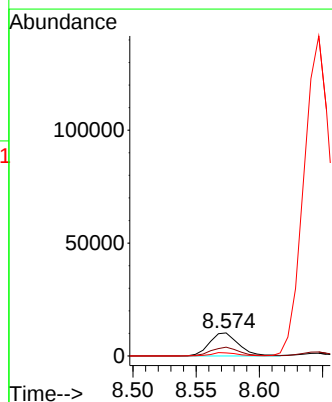
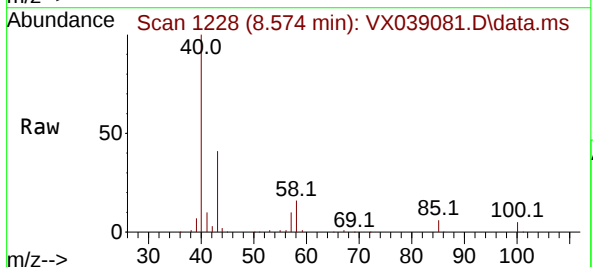
Tgt Ion: 43 Resp: 16482

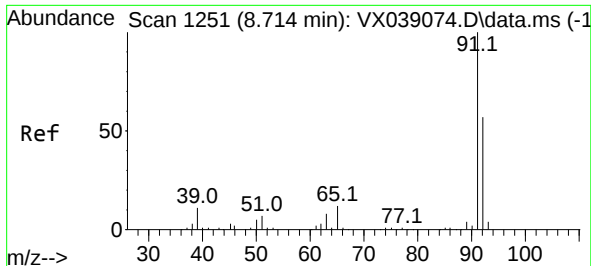
Ion Ratio Lower Upper

43 100

58 36.7 30.9 46.3

100 13.4 10.6 16.0





#42

Toluene

Concen: 2.464 ug/L

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX039081.D

Acq: 05 Dec 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

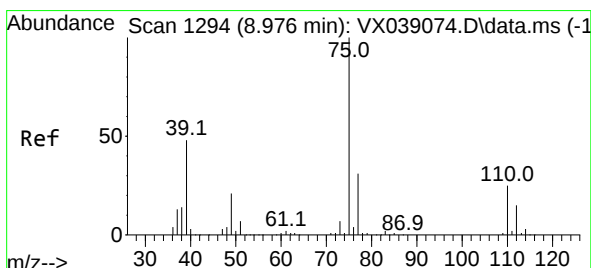
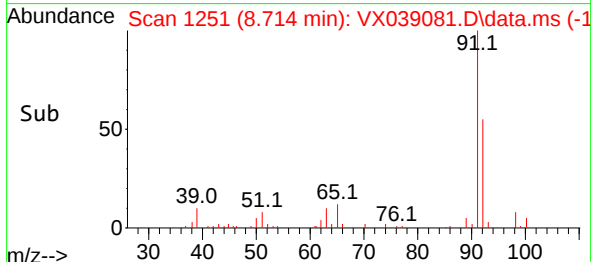
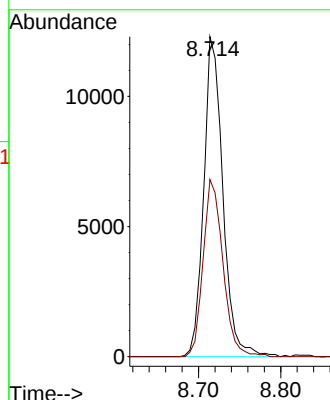
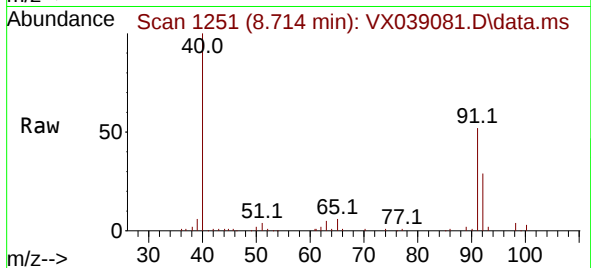
MDL-WATER-QT4-2023-08

Tgt Ion: 91 Resp: 19905

Ion Ratio Lower Upper

91 100

92 55.3 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 2.340 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX039081.D

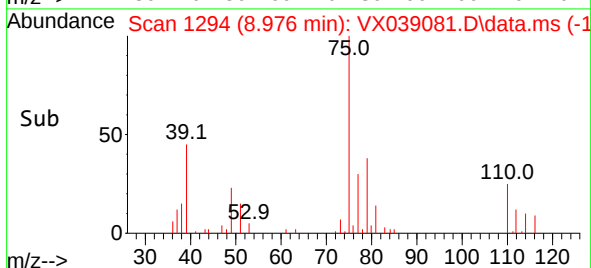
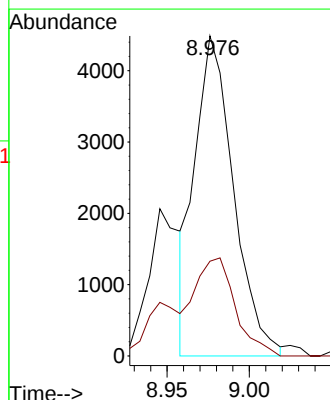
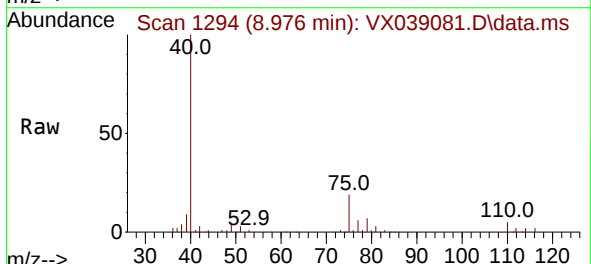
Acq: 05 Dec 2023 13:59

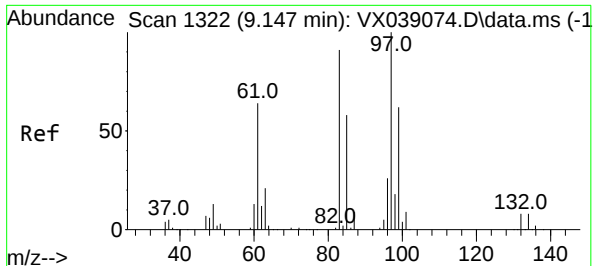
Tgt Ion: 75 Resp: 7316

Ion Ratio Lower Upper

75 100

77 29.6 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 2.284 ug/L

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX039081.D

Acq: 05 Dec 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT4-2023-08

Tgt Ion: 97 Resp: 4422

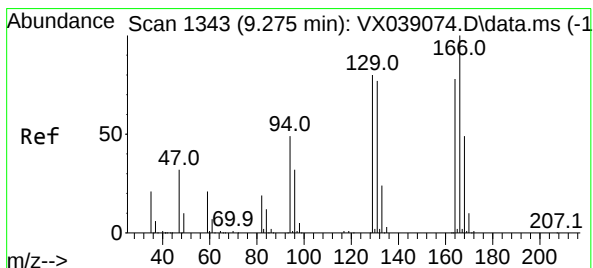
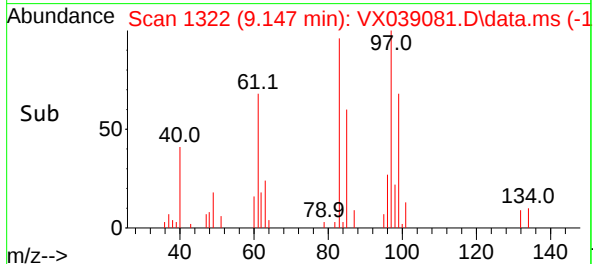
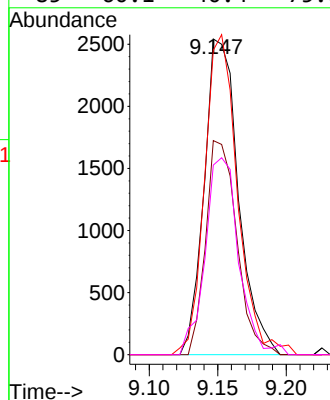
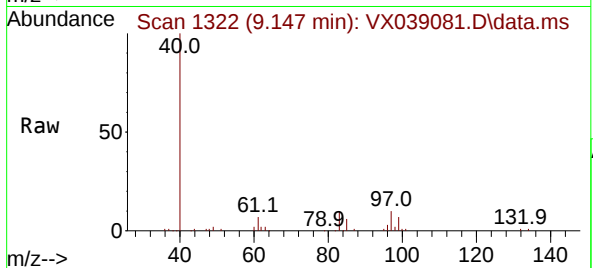
Ion Ratio Lower Upper

97 100

99 67.8 43.1 80.1

83 96.5 64.0 118.8

85 60.1 40.4 75.0



#46

Tetrachloroethene

Concen: 2.494 ug/L

RT: 9.275 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VX039081.D

Acq: 05 Dec 2023 13:59

Tgt Ion:164 Resp: 3312

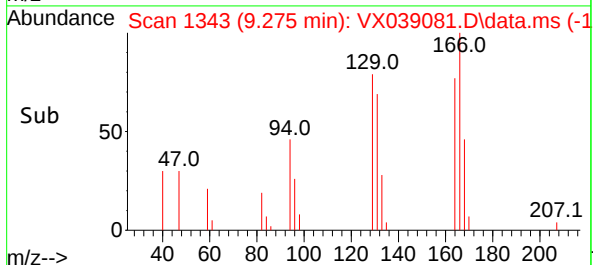
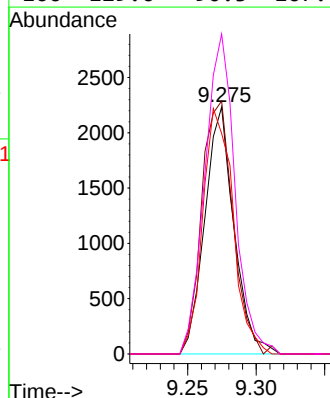
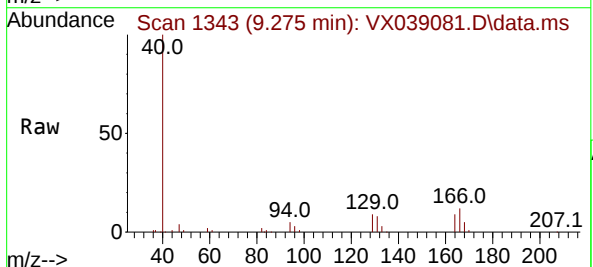
Ion Ratio Lower Upper

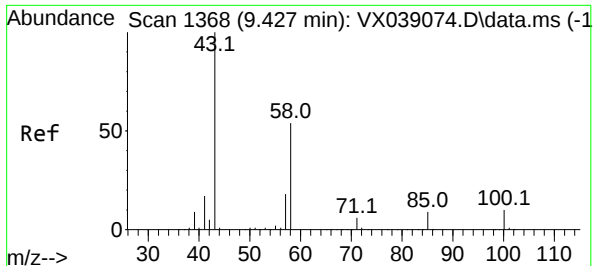
164 100

129 102.5 71.9 133.5

131 89.3 69.5 129.1

166 129.6 90.3 167.7

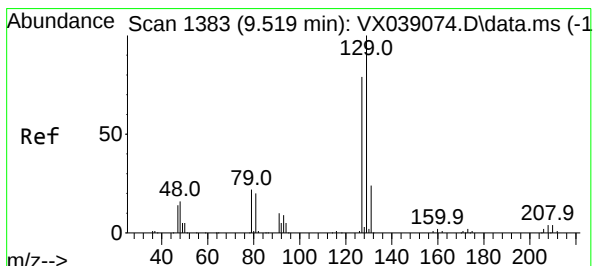
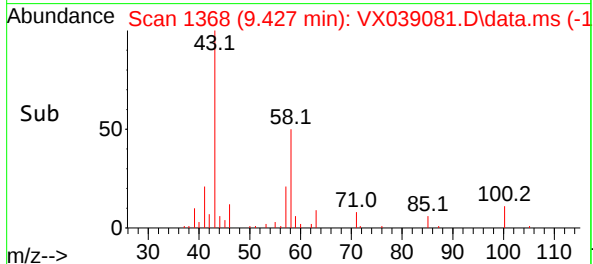
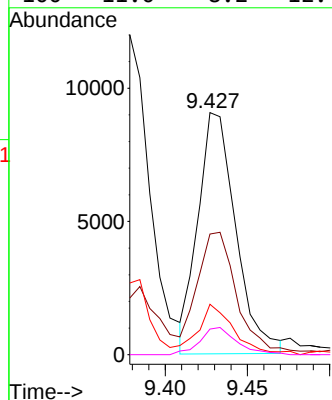
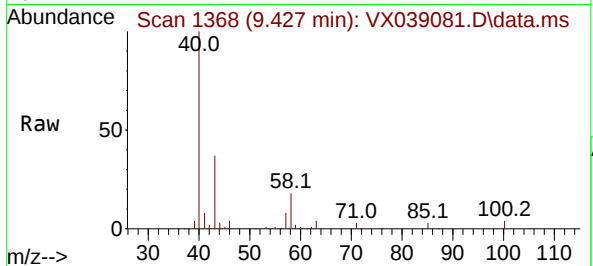




#48
2-Hexanone
Concen: 4.913 ug/L
RT: 9.427 min Scan# 1368
Delta R.T. 0.000 min
Lab File: VX039081.D
Acq: 05 Dec 2023 13:59

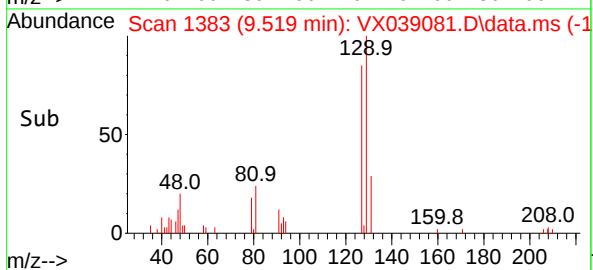
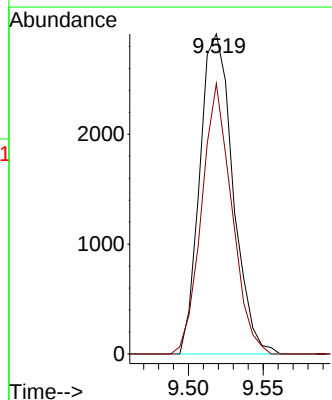
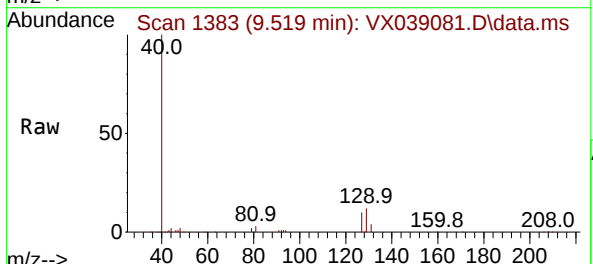
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT4-2023-08

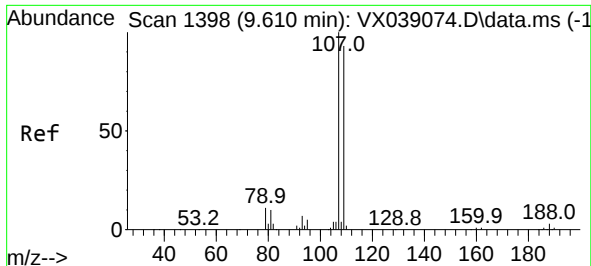
Tgt Ion:	43	Resp:	14560
Ion	Ratio	Lower	Upper
43	100		
58	53.8	43.0	64.6
57	19.9	14.6	21.8
100	11.0	8.2	12.4



#49
Dibromochloromethane
Concen: 2.382 ug/L
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX039081.D
Acq: 05 Dec 2023 13:59

Tgt Ion:	129	Resp:	4493
Ion	Ratio	Lower	Upper
129	100		
127	84.5	55.2	102.4





#50

1,2-Dibromoethane

Concen: 2.541 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VX039081.D

Acq: 05 Dec 2023 13:59

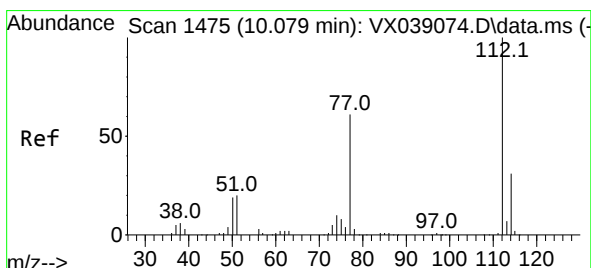
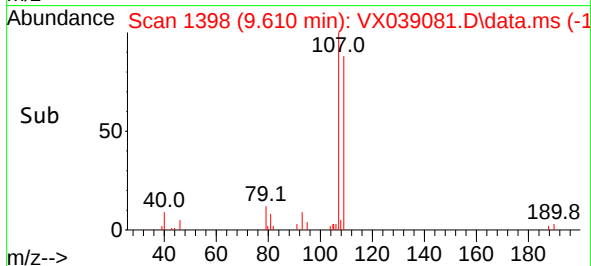
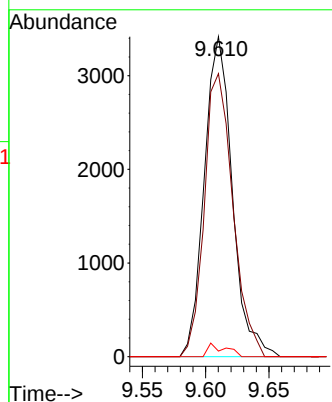
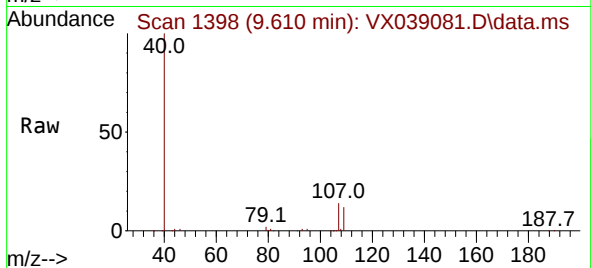
Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT4-2023-08

Tgt Ion:	107	Resp:	5270
Ion	Ratio	Lower	Upper
107	100		
109	88.5	65.2	121.0
188	1.8	2.5	3.7#



#51

Chlorobenzene

Concen: 2.472 ug/L

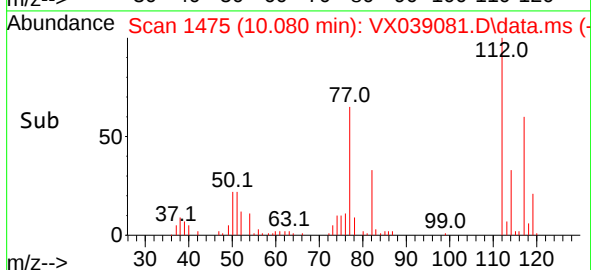
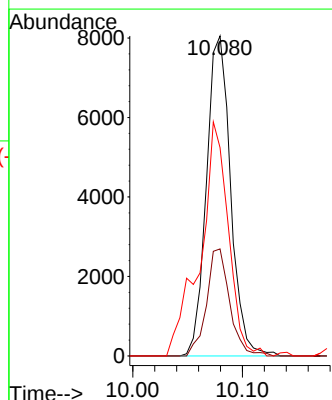
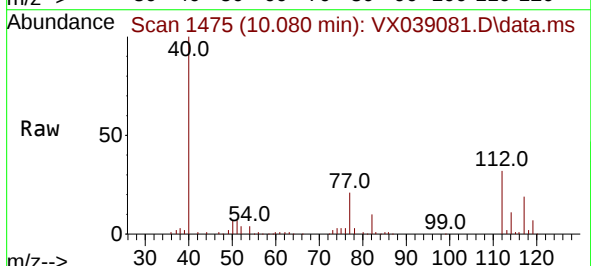
RT: 10.080 min Scan# 1475

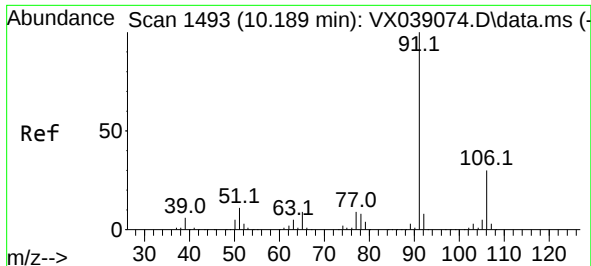
Delta R.T. 0.000 min

Lab File: VX039081.D

Acq: 05 Dec 2023 13:59

Tgt Ion:	112	Resp:	12334
Ion	Ratio	Lower	Upper
112	100		
114	33.4	21.8	40.4
77	65.1	49.0	73.6





#52

Ethylbenzene

Concen: 2.434 ug/L

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX039081.D

Acq: 05 Dec 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

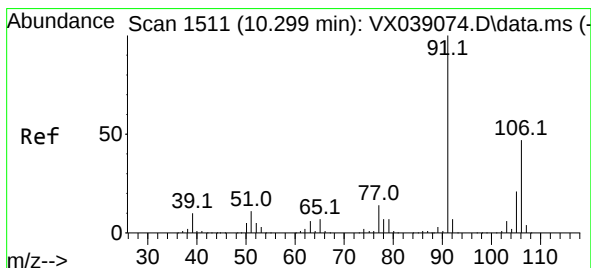
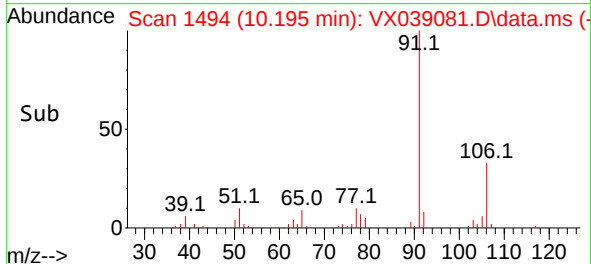
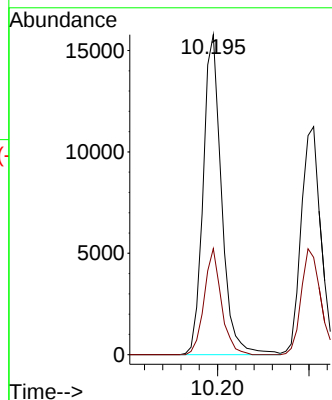
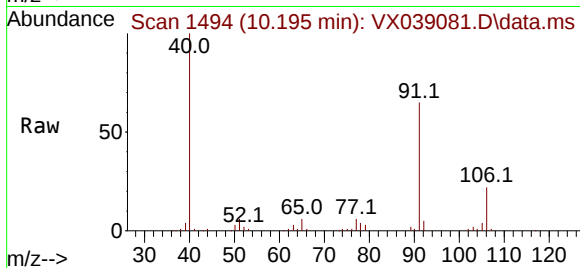
MDL-WATER-QT4-2023-08

Tgt Ion: 91 Resp: 21978

Ion Ratio Lower Upper

91 100

106 33.2 21.2 39.4



#53

m,p-Xylene

Concen: 2.353 ug/L

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX039081.D

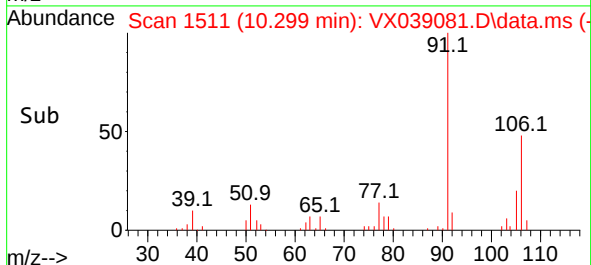
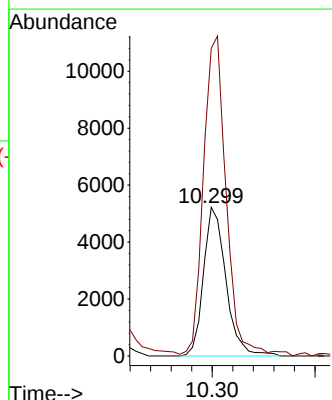
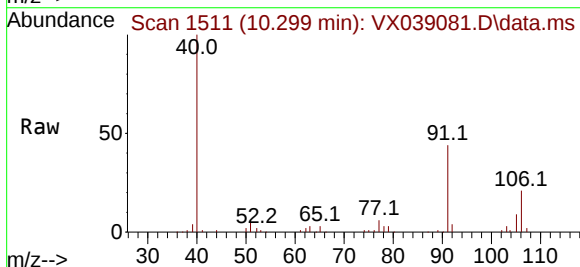
Acq: 05 Dec 2023 13:59

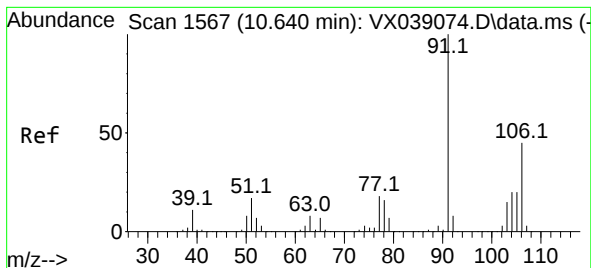
Tgt Ion: 106 Resp: 7945

Ion Ratio Lower Upper

106 100

91 206.9 149.0 276.8





#54

o-Xylene

Concen: 2.348 ug/L

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX039081.D

Acq: 05 Dec 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

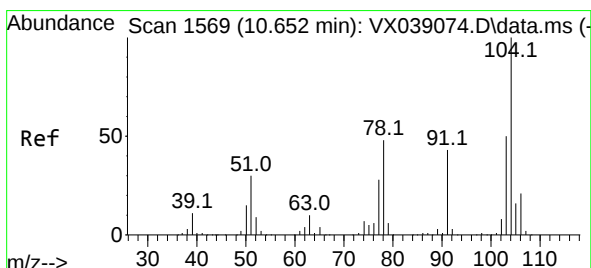
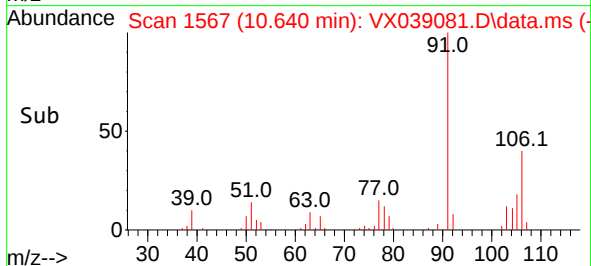
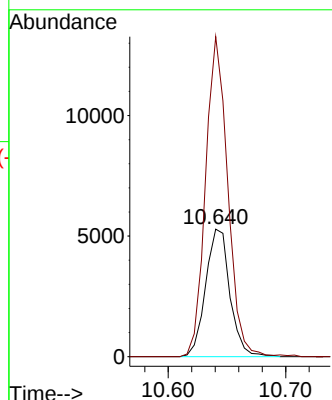
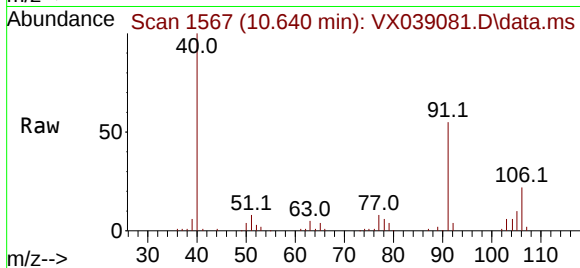
MDL-WATER-QT4-2023-08

Tgt Ion:106 Resp: 7608

Ion Ratio Lower Upper

106 100

91 251.0 156.2 290.0



#55

Styrene

Concen: 2.361 ug/L

RT: 10.659 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX039081.D

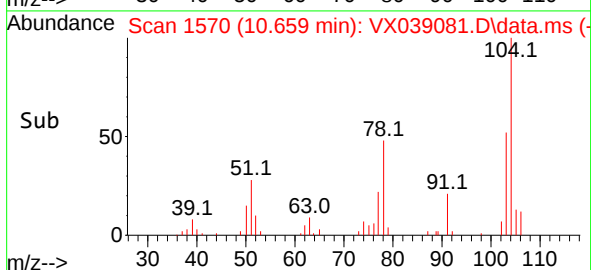
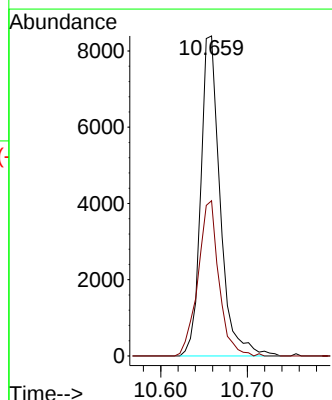
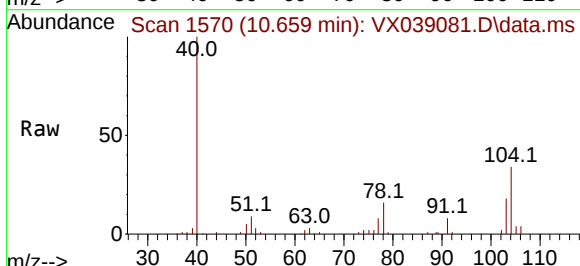
Acq: 05 Dec 2023 13:59

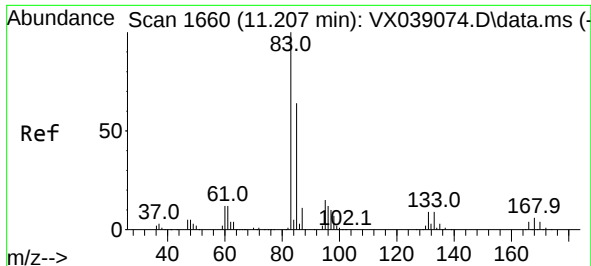
Tgt Ion:104 Resp: 13091

Ion Ratio Lower Upper

104 100

78 48.5 33.5 62.1





#57

1,1,2,2-Tetrachloroethane

Concen: 2.629 ug/L

RT: 11.207 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039081.D

Acq: 05 Dec 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT4-2023-08

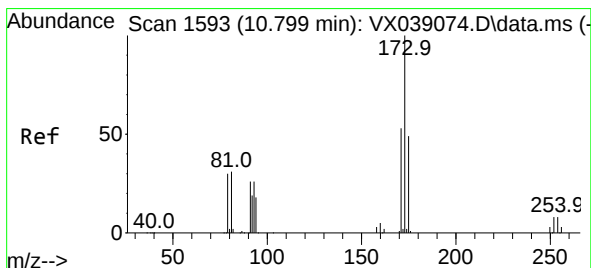
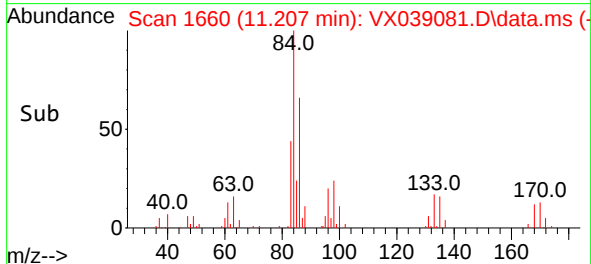
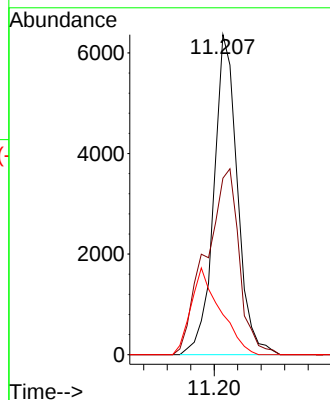
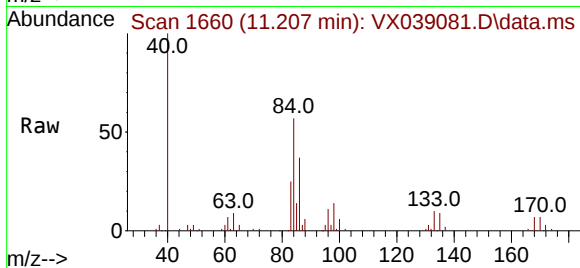
Tgt Ion: 83 Resp: 8885

Ion Ratio Lower Upper

83 100

85 55.1 45.2 84.0

131 12.6 7.2 10.8#



#59

Bromoform

Concen: 2.176 ug/L

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX039081.D

Acq: 05 Dec 2023 13:59

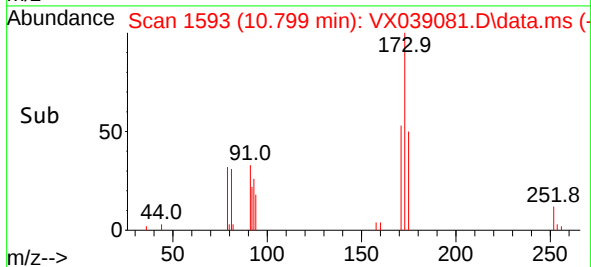
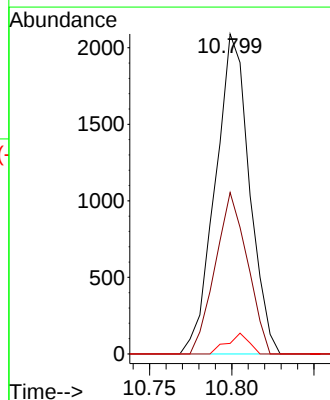
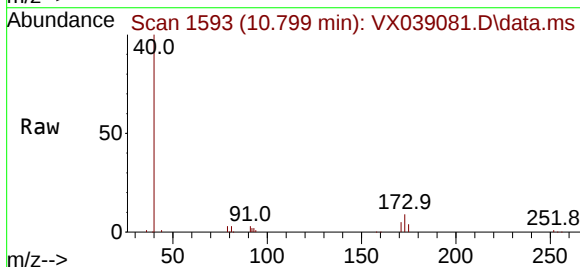
Tgt Ion:173 Resp: 3010

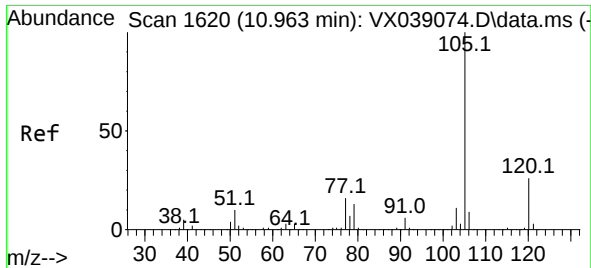
Ion Ratio Lower Upper

173 100

175 47.6 38.7 58.1

254 4.1 6.2 9.2#

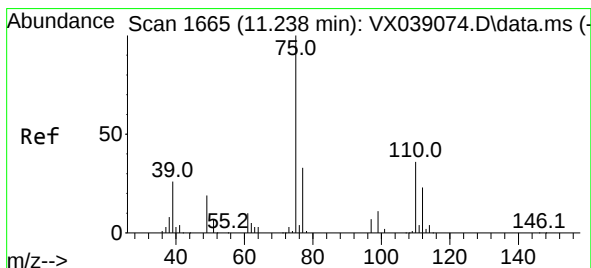
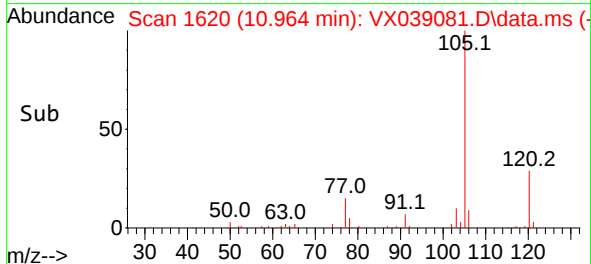
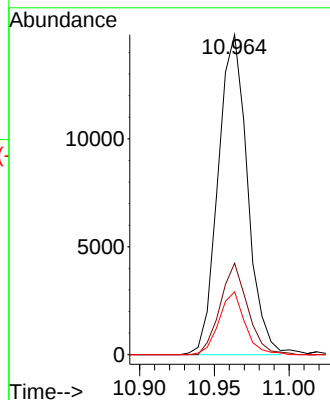
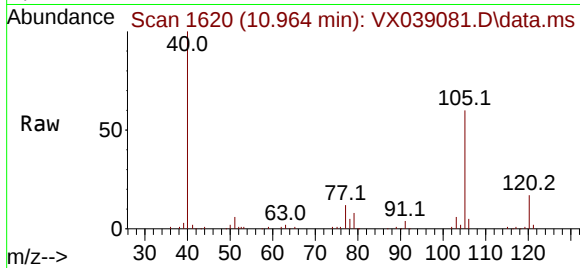




#60
Isopropylbenzene
Concen: 2.351 ug/L
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX039081.D
Acq: 05 Dec 2023 13:59

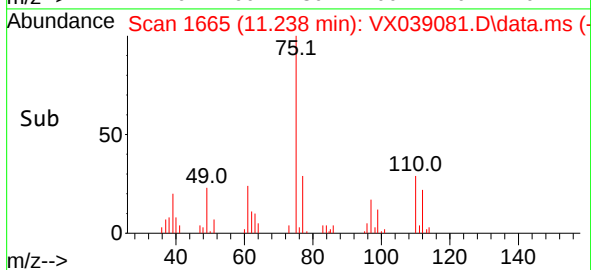
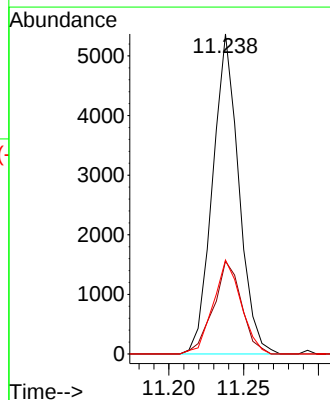
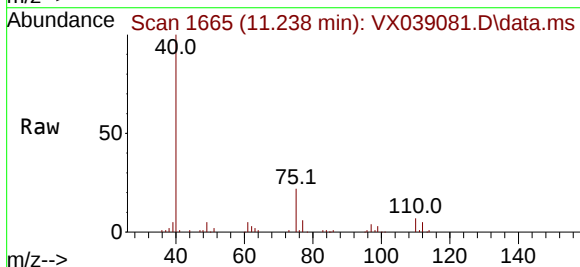
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT4-2023-08

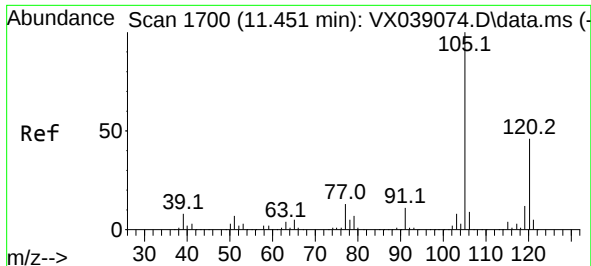
Tgt Ion:105 Resp: 20220
Ion Ratio Lower Upper
105 100
120 26.7 20.5 30.7
77 17.4 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 2.539 ug/L
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX039081.D
Acq: 05 Dec 2023 13:59

Tgt Ion: 75 Resp: 6547
Ion Ratio Lower Upper
75 100
77 31.0 25.8 38.6
110 31.2 28.4 42.6





#62

1,3,5-Trimethylbenzene

Concen: 2.387 ug/L

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX039081.D

Acq: 05 Dec 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

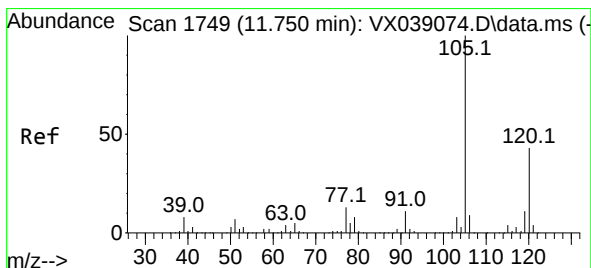
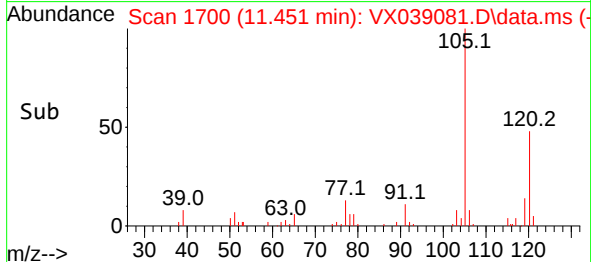
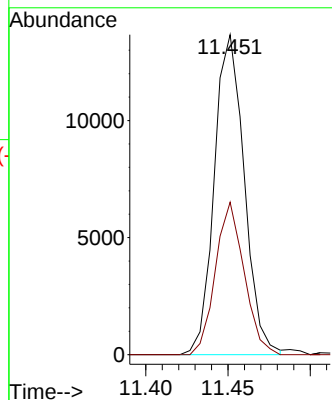
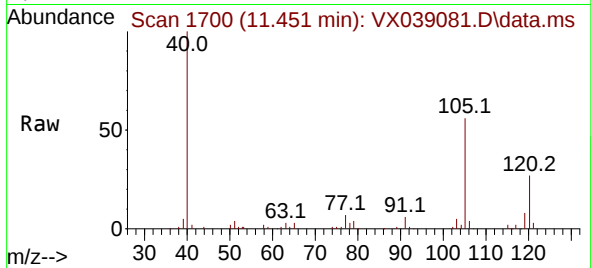
MDL-WATER-QT4-2023-08

Tgt Ion:105 Resp: 17333

Ion Ratio Lower Upper

105 100

120 45.6 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 2.413 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX039081.D

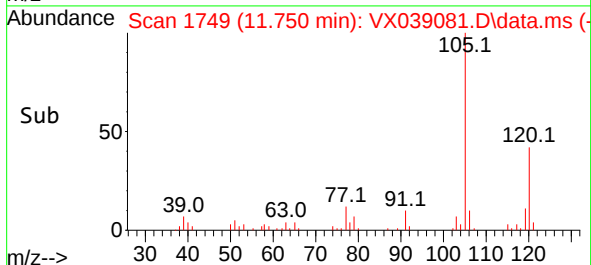
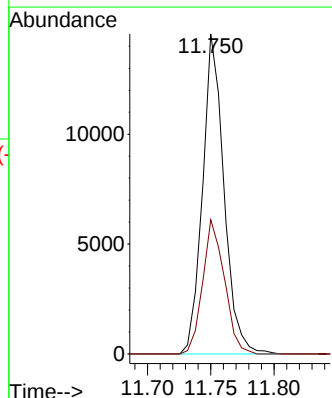
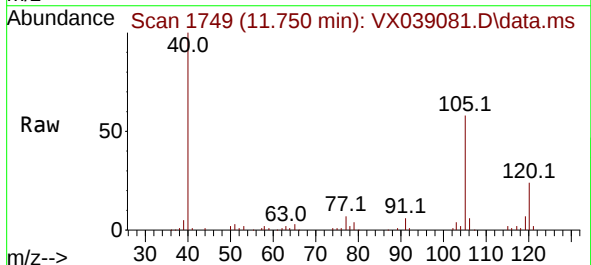
Acq: 05 Dec 2023 13:59

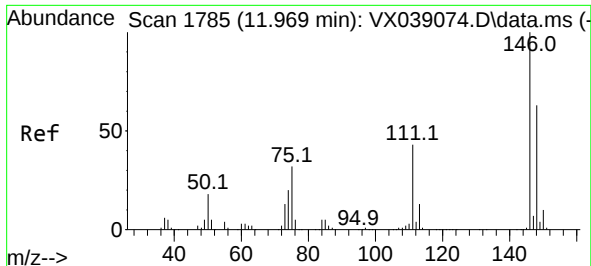
Tgt Ion:105 Resp: 17179

Ion Ratio Lower Upper

105 100

120 42.5 34.9 52.3

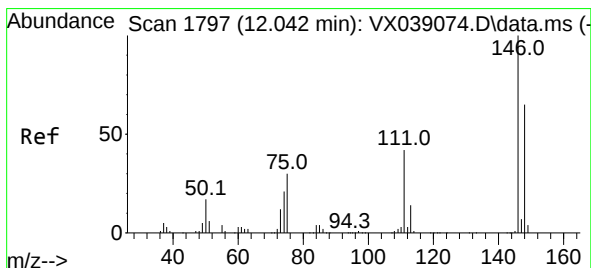
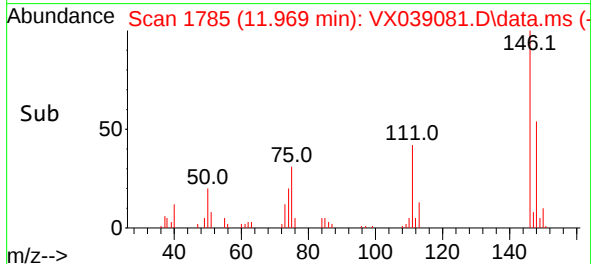
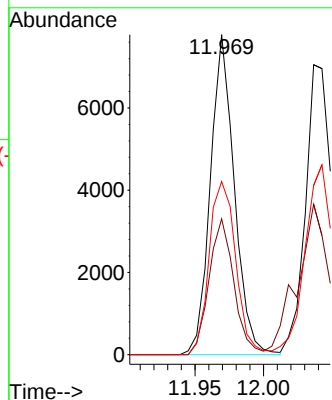
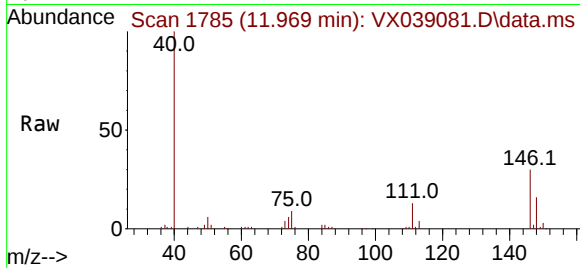




#64
1,3-Dichlorobenzene
Concen: 2.569 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX039081.D
Acq: 05 Dec 2023 13:59

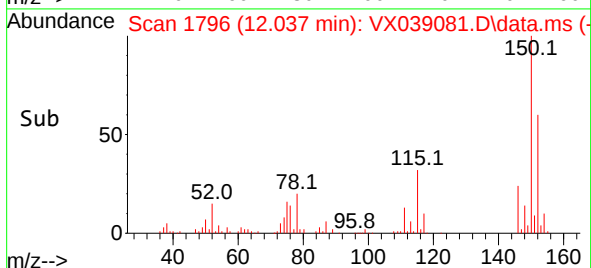
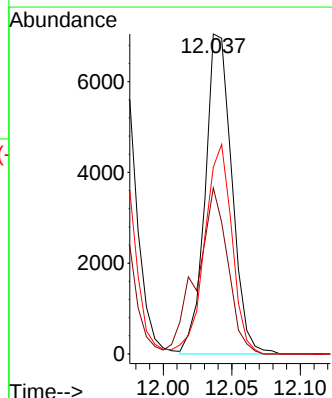
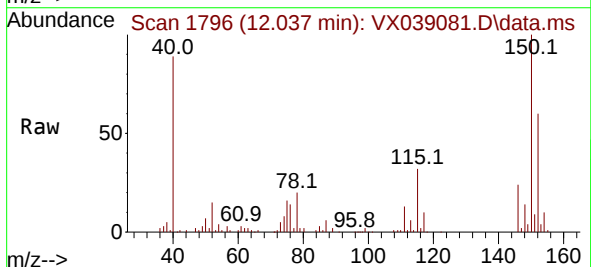
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT4-2023-08

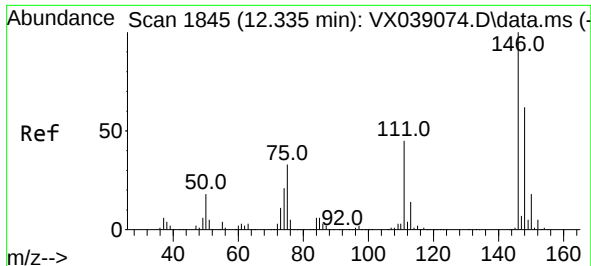
Tgt Ion:146 Resp: 9458
Ion Ratio Lower Upper
146 100
111 42.5 30.0 55.6
148 54.1 44.2 82.0



#65
1,4-Dichlorobenzene
Concen: 2.566 ug/L
RT: 12.037 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX039081.D
Acq: 05 Dec 2023 13:59

Tgt Ion:146 Resp: 9573
Ion Ratio Lower Upper
146 100
111 51.9 29.7 55.1
148 58.4 45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 2.446 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX039081.D

Acq: 05 Dec 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT4-2023-08

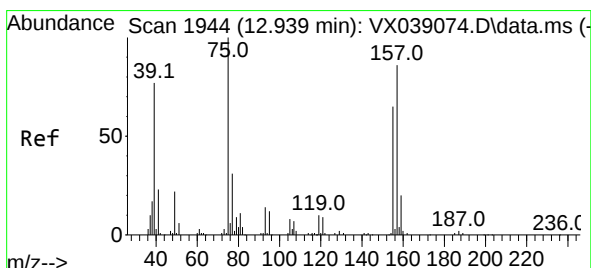
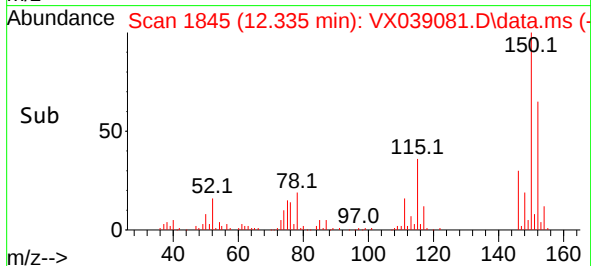
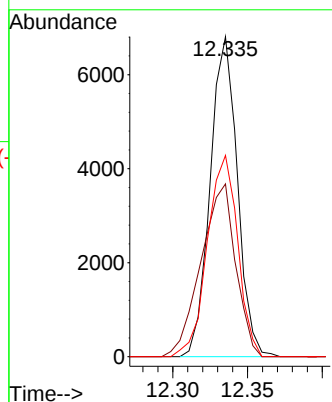
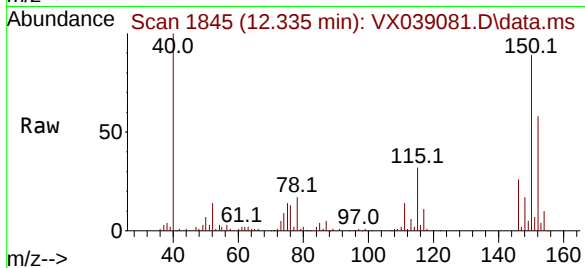
Tgt Ion:146 Resp: 8614

Ion Ratio Lower Upper

146 100

111 54.0 36.4 54.6

148 62.9 50.0 75.0



#68

1,2-Dibromo-3-chloropropane

Concen: 2.236 ug/L

RT: 12.939 min Scan# 1944

Delta R.T. 0.000 min

Lab File: VX039081.D

Acq: 05 Dec 2023 13:59

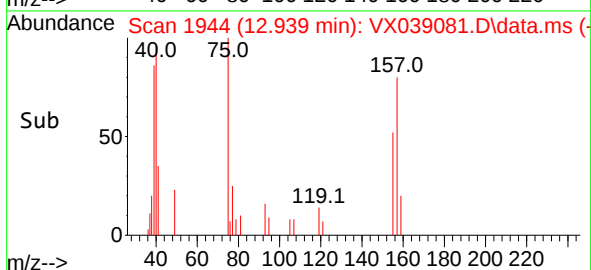
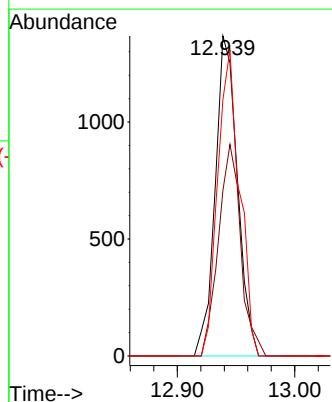
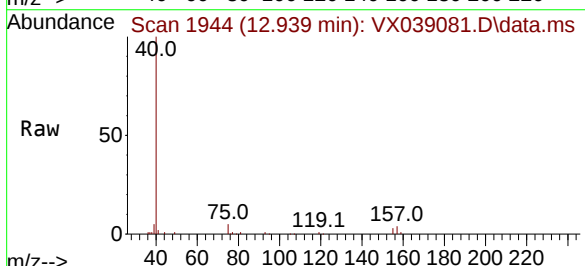
Tgt Ion: 75 Resp: 1799

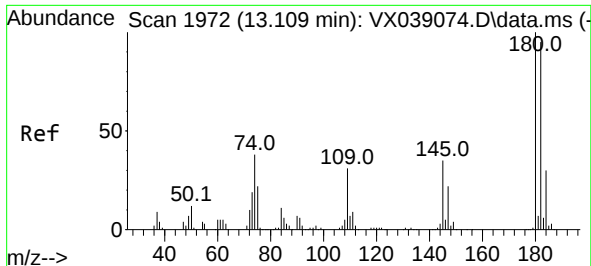
Ion Ratio Lower Upper

75 100

155 51.8 52.3 78.5#

157 80.1 68.7 103.1

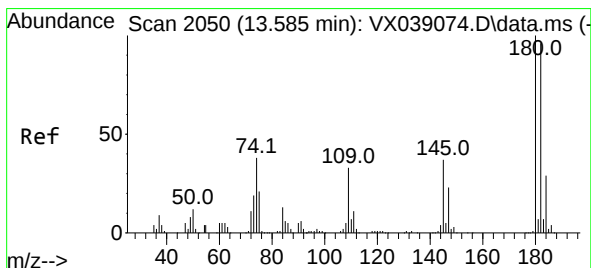
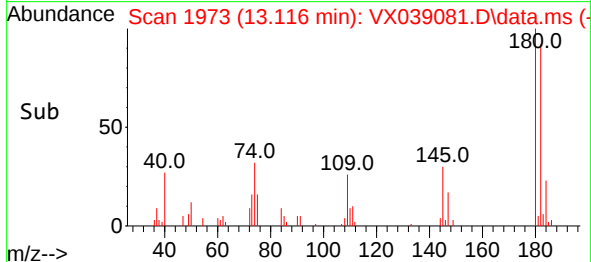
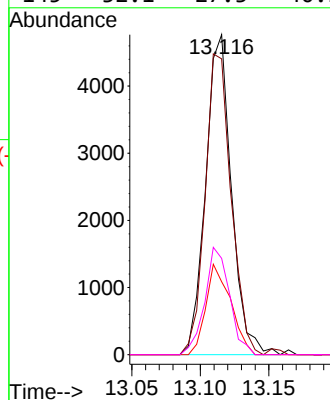
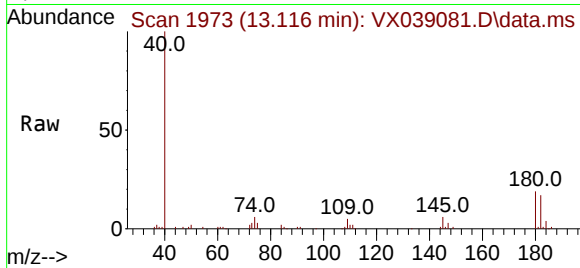




#69
1,3,5-Trichlorobenzene
Concen: 2.569 ug/L
RT: 13.116 min Scan# 1973
Delta R.T. 0.006 min
Lab File: VX039081.D
Acq: 05 Dec 2023 13:59

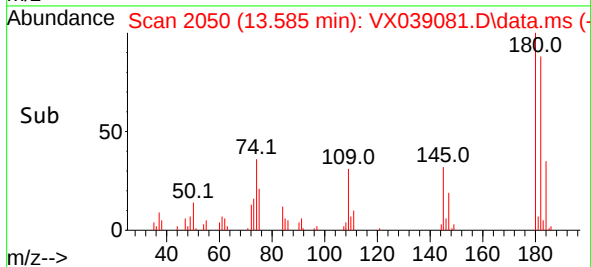
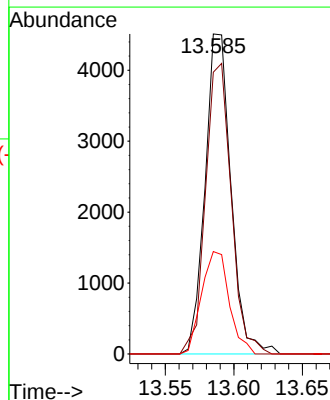
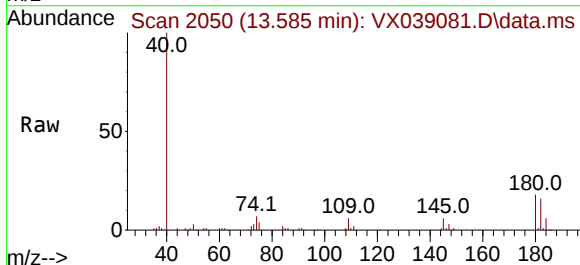
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT4-2023-08

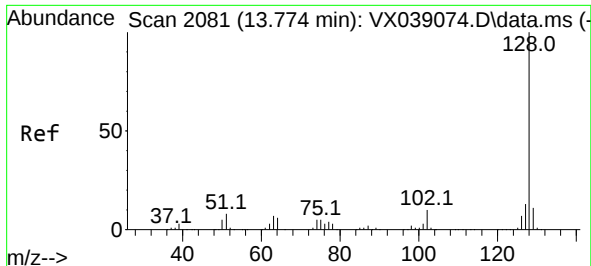
Tgt Ion:180	Resp:	6253
Ion Ratio	Lower	Upper
180	100	
182	94.4	76.1 114.1
184	27.2	24.1 36.1
145	32.1	27.3 40.9



#70
1,2,4-trichlorobenzene
Concen: 2.596 ug/L
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX039081.D
Acq: 05 Dec 2023 13:59

Tgt Ion:180	Resp:	5959
Ion Ratio	Lower	Upper
180	100	
182	89.9	76.8 115.2
145	34.0	27.8 41.6

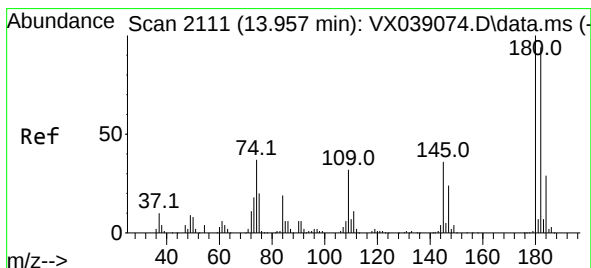
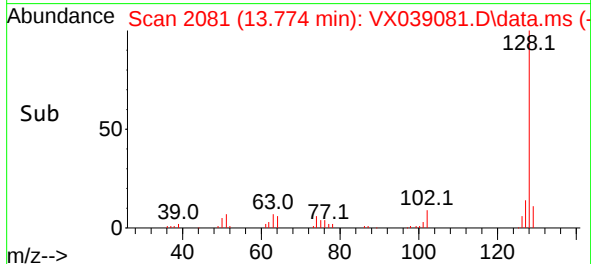
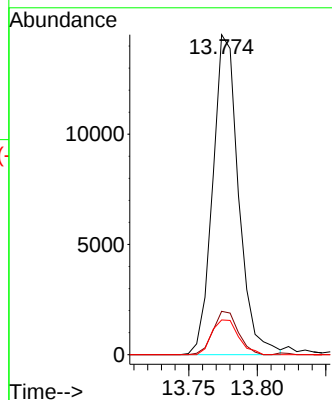
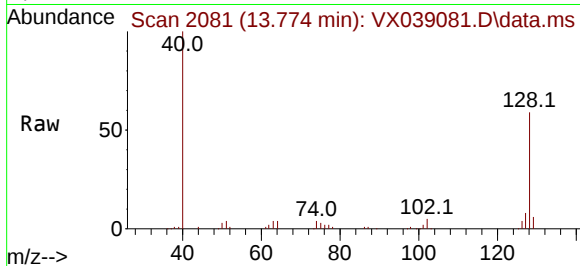




#71
Naphthalene
Concen: 2.420 ug/L
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX039081.D
Acq: 05 Dec 2023 13:59

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion:128 Resp: 19049
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 11.2 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 2.386 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX039081.D
Acq: 05 Dec 2023 13:59

Tgt Ion:180 Resp: 5303
Ion Ratio Lower Upper
180 100
182 101.3 75.9 113.9
145 38.6 28.6 42.8

