

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072423\
 Data File : VX036630.D
 Acq On : 24 Jul 2023 14:58
 Operator : JC/MD
 Sample : 03572-09 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2023

Quant Time: Jul 25 08:01:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	180081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	314030	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	278617	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	126246	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	128998	48.412	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.820%
35) Dibromofluoromethane	5.391	113	104481	48.405	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.820%
50) Toluene-d8	8.647	98	369440	48.265	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.520%
62) 4-Bromofluorobenzene	11.079	95	137400	47.578	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	5581	2.346	ug/l	99
3) Chloromethane	1.295	50	5655	2.614	ug/l	97
4) Vinyl Chloride	1.374	62	5769	2.619	ug/l	99
5) Bromomethane	1.612	94	3892	2.959	ug/l	100
6) Chloroethane	1.685	64	3212	2.999	ug/l	89
7) Trichlorofluoromethane	1.886	101	8601	2.528	ug/l	97
8) Diethyl Ether	2.136	74	3308	2.513	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.331	101	5188	2.538	ug/l	98
10) Methyl Iodide	2.453	142	4440	2.091	ug/l	93
11) Tert butyl alcohol	2.983	59	8037	12.741	ug/l #	74
12) 1,1-Dichloroethene	2.319	96	5558	2.756	ug/l	84
13) Acrolein	2.246	56	4650	12.916	ug/l	91
14) Allyl chloride	2.666	41	9546	2.404	ug/l	95
15) Acrylonitrile	3.069	53	16284	12.836	ug/l	98
16) Acetone	2.392	43	13435	12.151	ug/l #	89
17) Carbon Disulfide	2.508	76	13982	2.512	ug/l	98
18) Methyl Acetate	2.709	43	11488	2.470	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	19108	2.522	ug/l	97
20) Methylene Chloride	2.794	84	6785	2.759	ug/l #	81
21) trans-1,2-Dichloroethene	3.093	96	5581	2.476	ug/l	93
22) Diisopropyl ether	3.764	45	18469	2.450	ug/l	94
23) Vinyl Acetate	3.727	43	71909	12.434	ug/l	98
24) 1,1-Dichloroethane	3.611	63	10309	2.439	ug/l	98
25) 2-Butanone	4.574	43	21826	12.167	ug/l	94
26) 2,2-Dichloropropane	4.483	77	9741	2.446	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	6468	2.416	ug/l	93
28) Bromochloromethane	4.904	49	5155	2.522	ug/l #	97
29) Tetrahydrofuran	5.013	42	14668	12.682	ug/l	94
30) Chloroform	5.099	83	10942	2.530	ug/l	98
31) Cyclohexane	5.471	56	9127	2.474	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	10048	2.536	ug/l	97
36) 1,1-Dichloropropene	5.696	75	7885	2.451	ug/l	97
37) Ethyl Acetate	4.721	43	8093	2.223	ug/l #	91
38) Carbon Tetrachloride	5.678	117	8459	2.473	ug/l	93
39) Methylcyclohexane	7.379	83	9905	2.476	ug/l #	88
40) Benzene	6.044	78	22351	2.388	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	4550	2.336	ug/l #	25
42) 1,2-Dichloroethane	6.086	62	8610	2.516	ug/l	93
43) Isopropyl Acetate	6.342	43	15061	2.403	ug/l	98
44) Trichloroethene	7.129	130	5846	2.389	ug/l	95
45) 1,2-Dichloropropane	7.434	63	6018	2.408	ug/l	99
46) Dibromomethane	7.586	93	4085	2.336	ug/l	95
47) Bromodichloromethane	7.824	83	8410	2.343	ug/l	98
48) Methyl methacrylate	7.696	41	6943	2.382	ug/l	91
49) 1,4-Dioxane	7.702	88	2768	47.004	ug/l #	100
51) 4-Methyl-2-Pentanone	8.574	43	45444	13.101	ug/l	99
52) Toluene	8.720	92	14294	2.437	ug/l	96
53) t-1,3-Dichloropropene	8.982	75	9268	2.284	ug/l	99
54) cis-1,3-Dichloropropene	8.373	75	9949	2.324	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	5803	2.354	ug/l	92
56) Ethyl methacrylate	9.116	69	9859	2.456	ug/l	96
57) 1,3-Dichloropropane	9.311	76	10204	2.485	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	24996	12.636	ug/l	100
59) 2-Hexanone	9.433	43	33179	12.888	ug/l	96
60) Dibromochloromethane	9.525	129	6591	2.432	ug/l	100
61) 1,2-Dibromoethane	9.610	107	6267	2.453	ug/l	99
64) Tetrachloroethene	9.275	164	5179	2.492	ug/l	91
65) Chlorobenzene	10.080	112	15187	2.473	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	6053	2.550	ug/l	97
67) Ethyl Benzene	10.195	91	27046	2.411	ug/l	98
68) m/p-Xylenes	10.305	106	20638	4.930	ug/l	99
69) o-Xylene	10.640	106	10127	2.424	ug/l	100
70) Styrene	10.659	104	16174	2.346	ug/l	99
71) Bromoform	10.799	173	4473	2.328	ug/l #	96
73) Isopropylbenzene	10.964	105	25681	2.458	ug/l	98
74) N-amyl acetate	10.842	43	11948	2.452	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	8993	2.548	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	10036	3.380	ug/l	97
77) Bromobenzene	11.201	156	6299	2.647	ug/l	95
78) n-propylbenzene	11.305	91	29241	2.420	ug/l	99
79) 2-Chlorotoluene	11.366	91	18421	2.516	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	22370	2.559	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	2978	2.273	ug/l	91
82) 4-Chlorotoluene	11.457	91	20388	2.444	ug/l	99
83) tert-Butylbenzene	11.713	119	21954	2.557	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	22022	2.519	ug/l	99
85) sec-Butylbenzene	11.890	105	26269	2.453	ug/l	99
86) p-Isopropyltoluene	12.006	119	21472	2.437	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	10779	2.446	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	11161	2.552	ug/l	88
89) n-Butylbenzene	12.329	91	17950	2.276	ug/l	100
90) Hexachloroethane	12.536	117	4299	2.407	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	10630	2.500	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1930	2.354	ug/l	85
93) 1,2,4-Trichlorobenzene	13.591	180	6052	2.310	ug/l	96
94) Hexachlorobutadiene	13.725	225	2434	2.246	ug/l	95
95) Naphthalene	13.774	128	21300	2.333	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	5874	2.275	ug/l	98

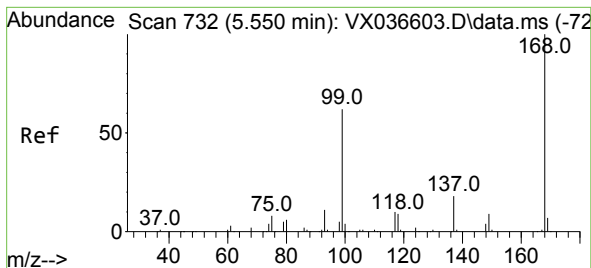
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX036630.D

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Instrument :

MSVOA_X

ClientSampleId :

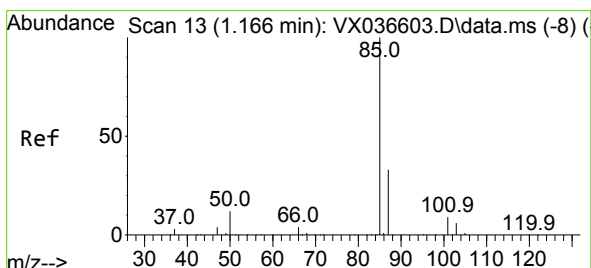
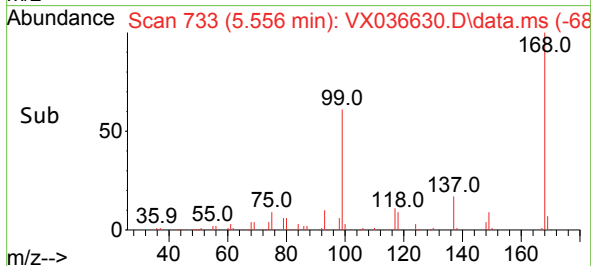
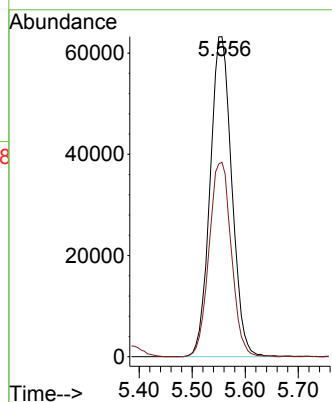
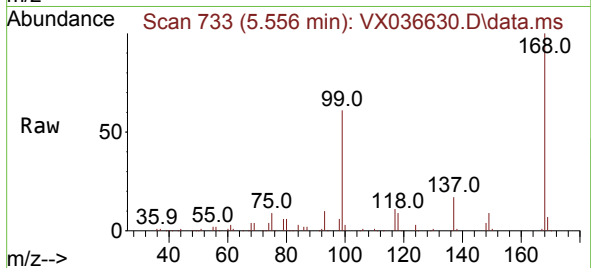
MDL-WATER-03-QT3-2023

Tgt Ion:168 Resp: 180081

Ion Ratio Lower Upper

168 100

99 60.8 56.6 85.0



#2

Dichlorodifluoromethane

Concen: 2.346 ug/l

RT: 1.167 min Scan# 13

Delta R.T. 0.000 min

Lab File: VX036630.D

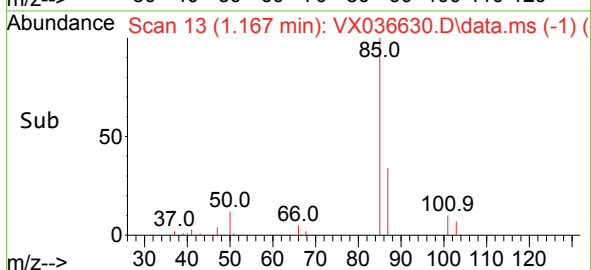
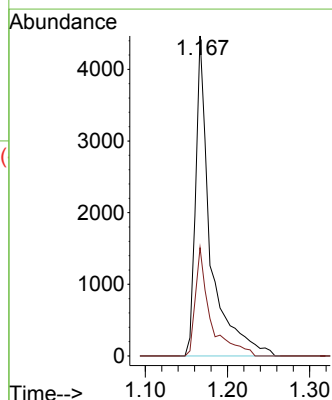
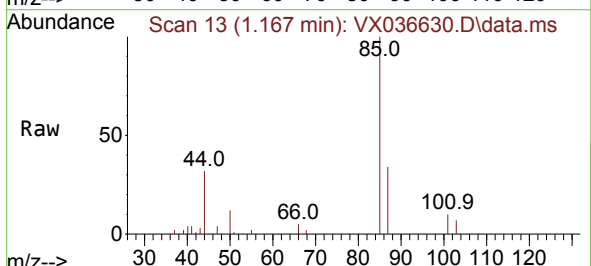
Acq: 24 Jul 2023 14:58

Tgt Ion: 85 Resp: 5581

Ion Ratio Lower Upper

85 100

87 33.8 16.7 50.1

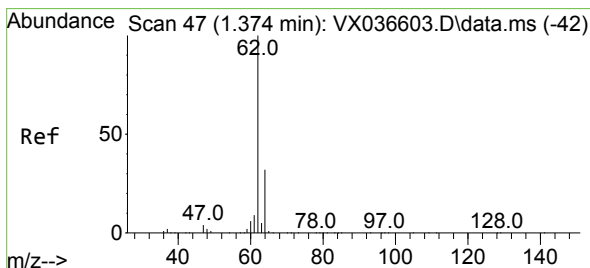
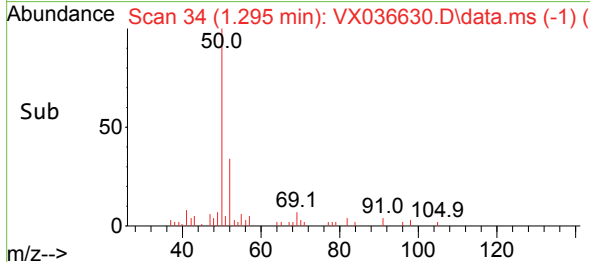
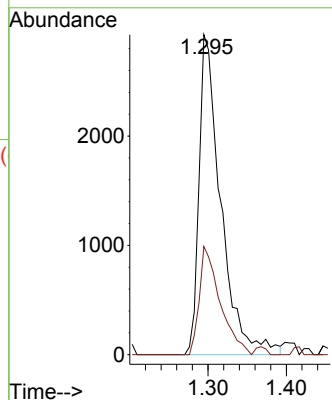
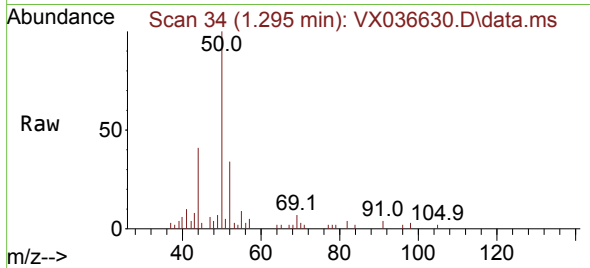




#3
Chloromethane
Concen: 2.614 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

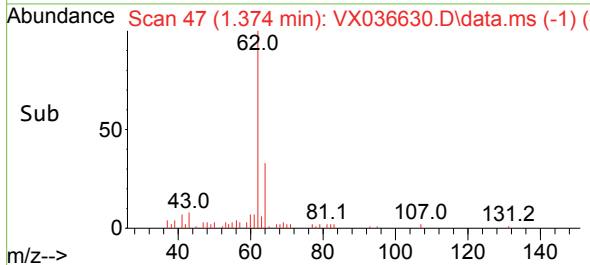
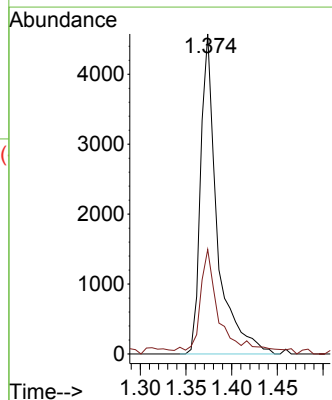
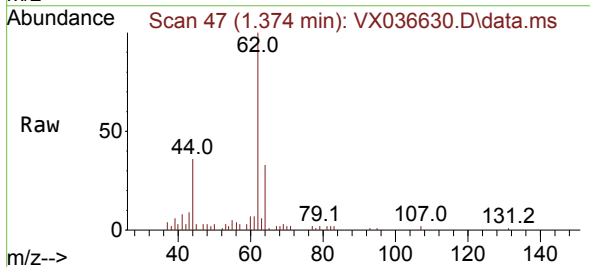
Instrument :
MSVOA_X
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MDL-WATER-03-QT3-2023

Tgt Ion: 50 Resp: 5655
Ion Ratio Lower Upper
50 100
52 33.8 25.5 38.3



#4
Vinyl Chloride
Concen: 2.619 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

Tgt Ion: 62 Resp: 5769
Ion Ratio Lower Upper
62 100
64 31.2 25.4 38.0

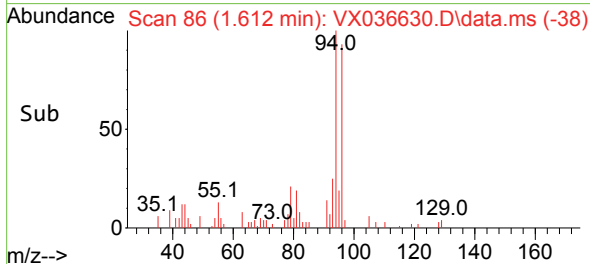
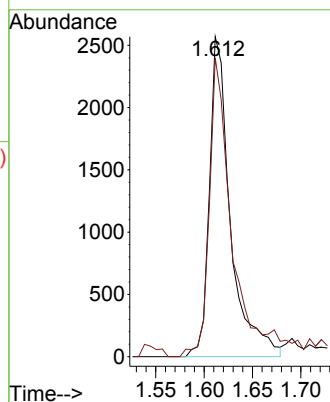
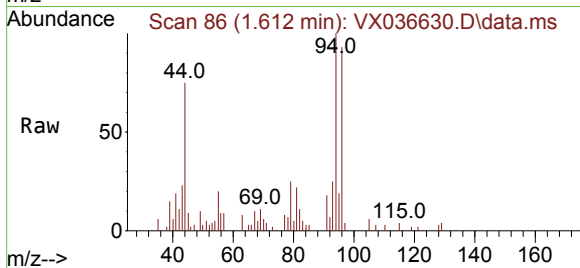




#5
Bromomethane
Concen: 2.959 ug/l
RT: 1.612 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

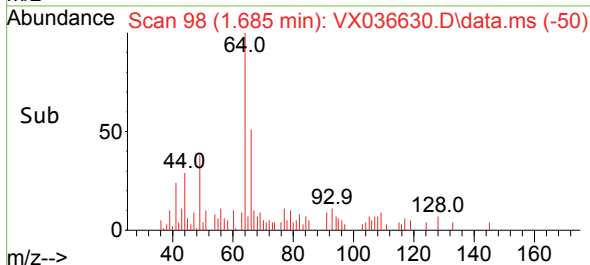
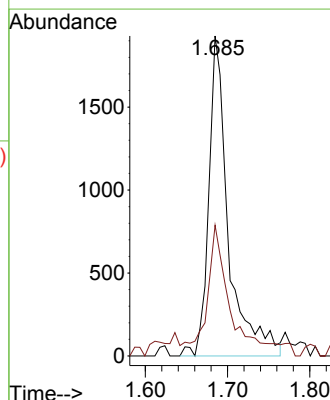
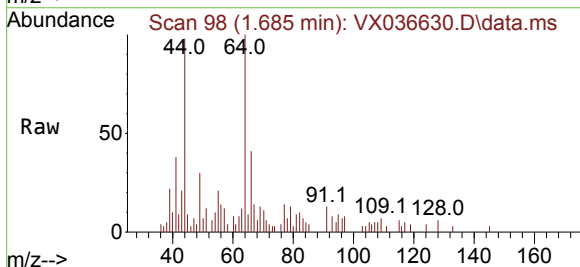
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion: 94 Resp: 3892
Ion Ratio Lower Upper
94 100
96 93.4 74.6 111.8



#6
Chloroethane
Concen: 2.999 ug/l
RT: 1.685 min Scan# 98
Delta R.T. -0.006 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

Tgt Ion: 64 Resp: 3212
Ion Ratio Lower Upper
64 100
66 37.6 25.1 37.7

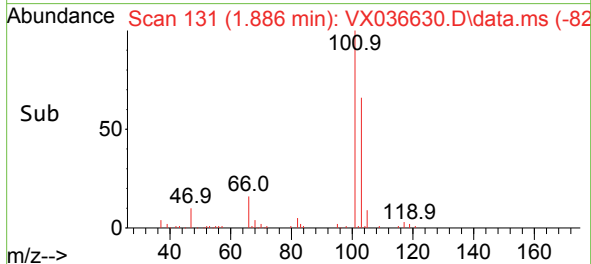
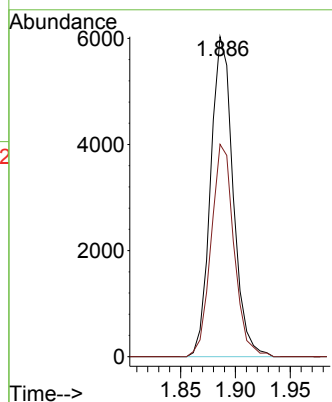
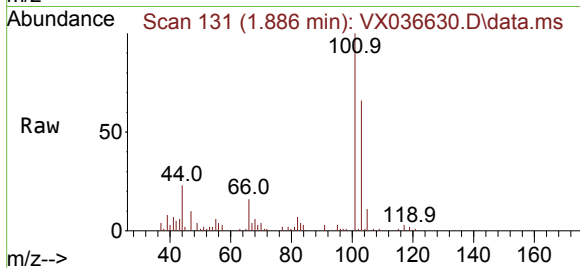




#7
Trichlorofluoromethane
Concen: 2.528 ug/l
RT: 1.886 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

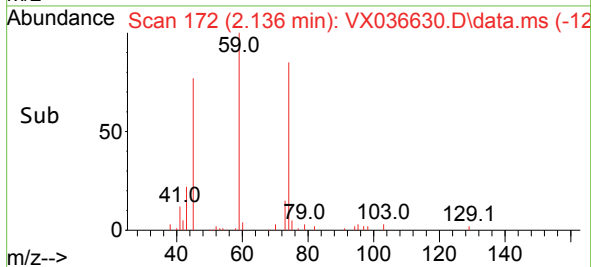
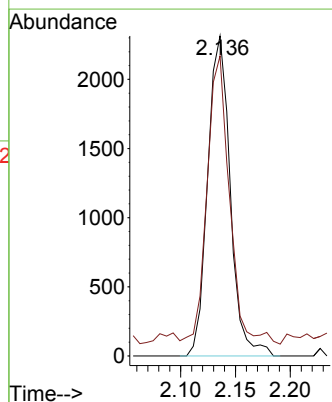
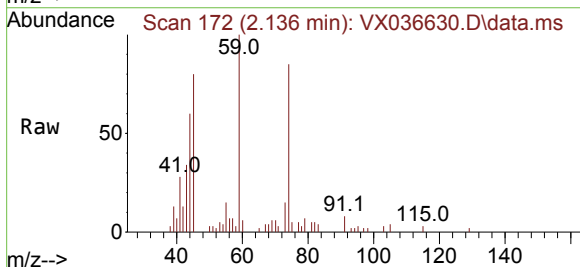
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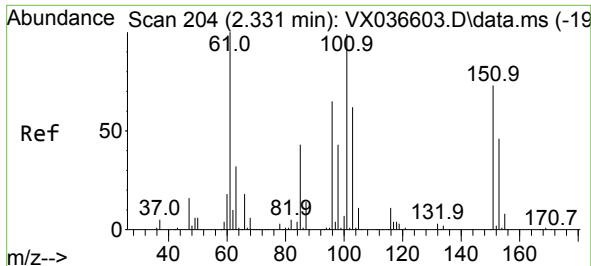
Tgt Ion:101 Resp: 8601
Ion Ratio Lower Upper
101 100
103 66.3 51.4 77.2



#8
Diethyl Ether
Concen: 2.513 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

Tgt Ion: 74 Resp: 3308
Ion Ratio Lower Upper
74 100
45 89.7 53.3 159.8

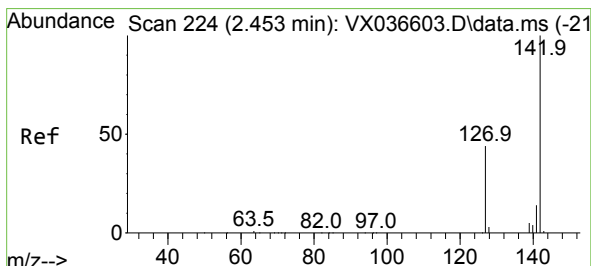
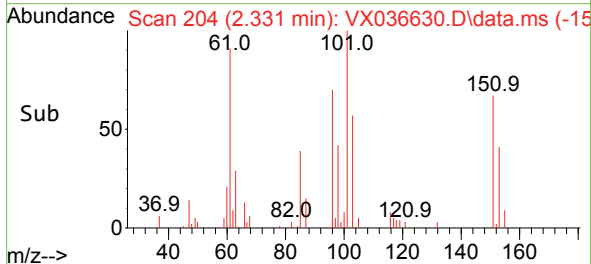
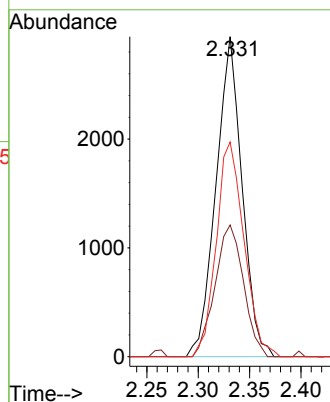
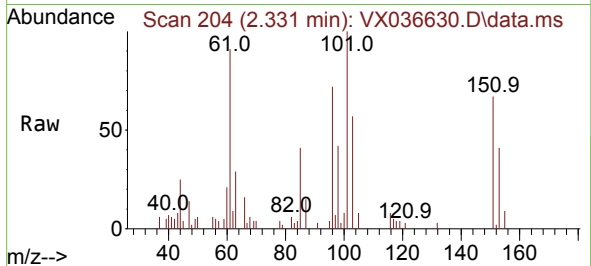




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.538 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

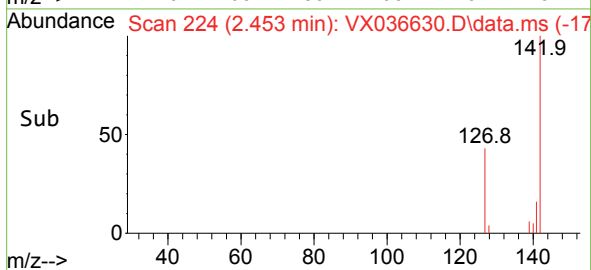
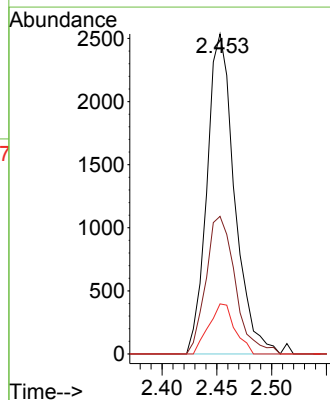
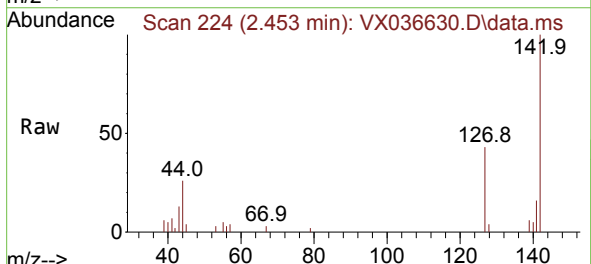
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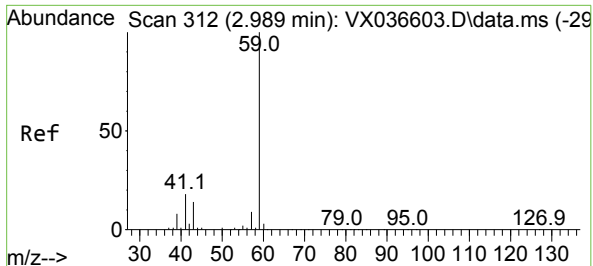
Tgt Ion:101 Resp: 5188
Ion Ratio Lower Upper
101 100
85 44.8 37.0 55.6
151 71.3 58.6 87.8



#10
Methyl Iodide
Concen: 2.091 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.000 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

Tgt Ion:142 Resp: 4440
Ion Ratio Lower Upper
142 100
127 45.8 41.6 62.4
141 14.8 11.6 17.4





#11

Tert butyl alcohol

Concen: 12.741 ug/l

RT: 2.983 min Scan# 312

Delta R.T. -0.006 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

Instrument :

MSVOA_X

ClientSampleId :

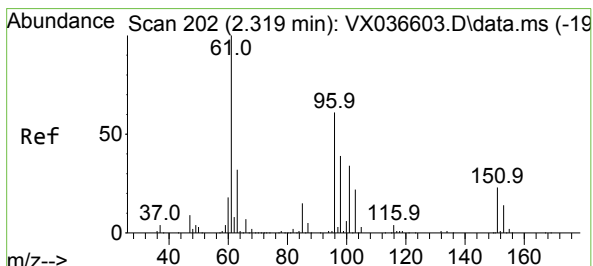
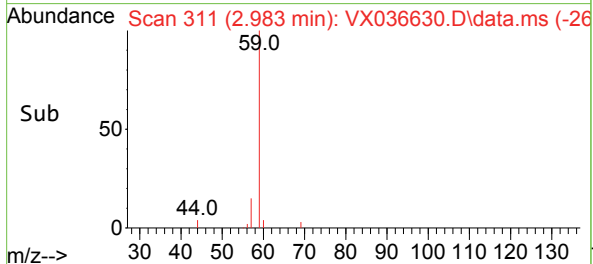
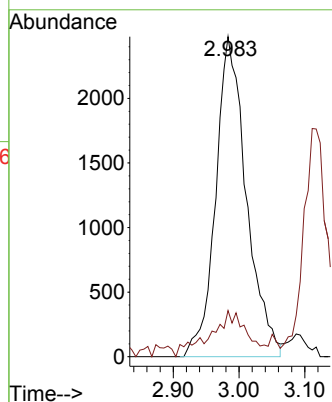
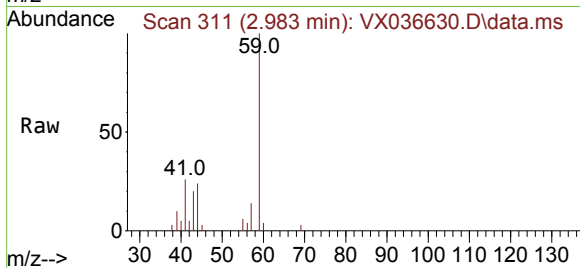
MDL-WATER-03-QT3-2023

Tgt Ion: 59 Resp: 8037

Ion Ratio Lower Upper

59 100

57 16.6 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 2.756 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

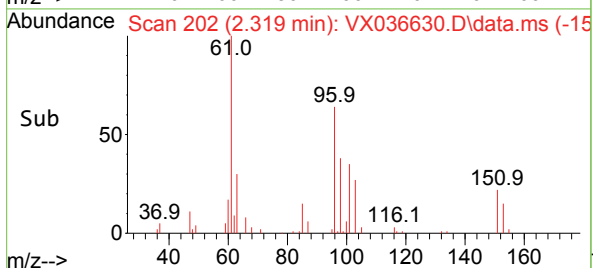
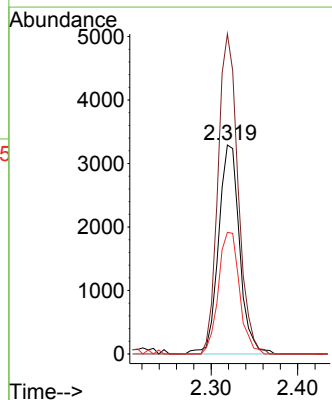
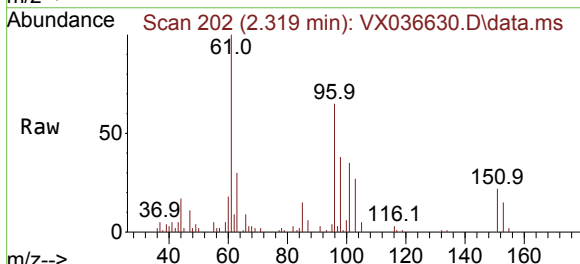
Tgt Ion: 96 Resp: 5558

Ion Ratio Lower Upper

96 100

61 153.1 144.6 216.8

98 58.2 50.4 75.6





#13

Acrolein

Concen: 12.916 ug/l

RT: 2.246 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

Instrument :

MSVOA_X

ClientSampleId :

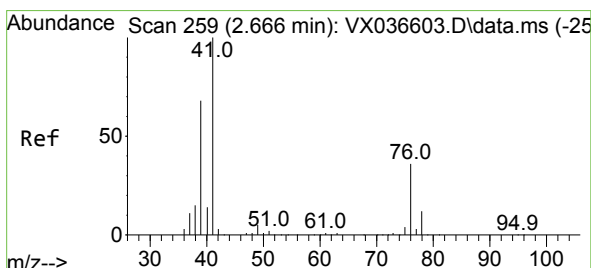
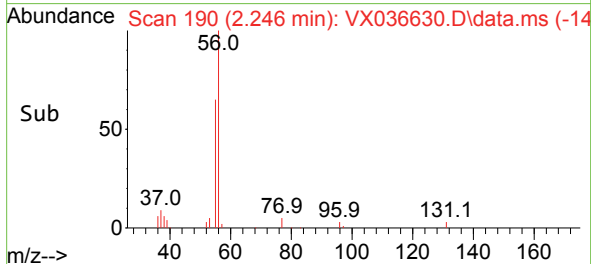
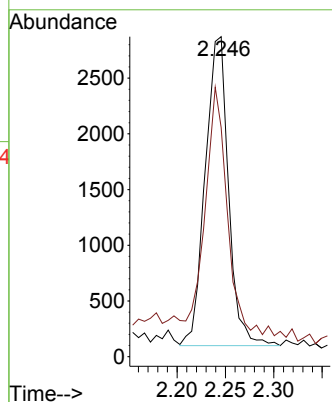
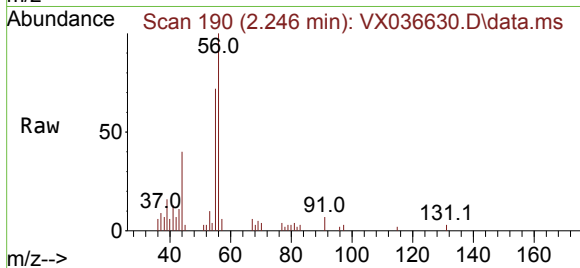
MDL-WATER-03-QT3-2023

Tgt Ion: 56 Resp: 4650

Ion Ratio Lower Upper

56 100

55 79.1 57.1 85.7



#14

Allyl chloride

Concen: 2.404 ug/l

RT: 2.666 min Scan# 259

Delta R.T. 0.000 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

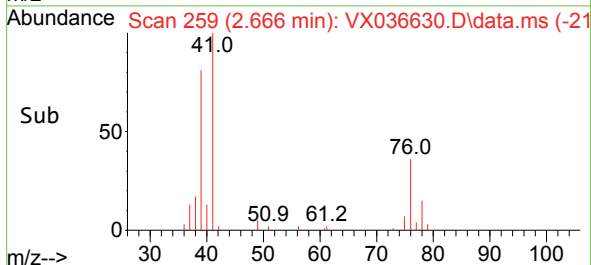
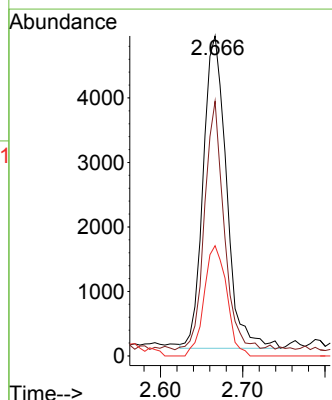
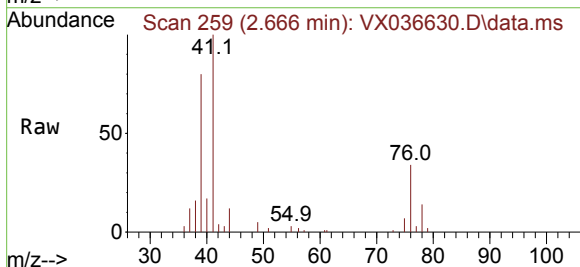
Tgt Ion: 41 Resp: 9546

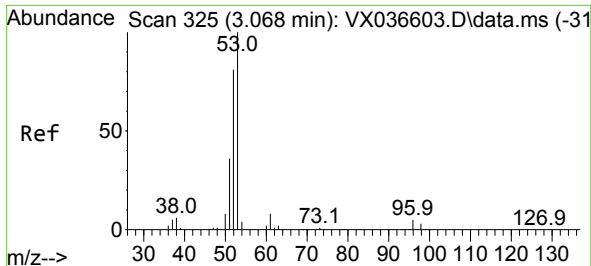
Ion Ratio Lower Upper

41 100

39 66.8 55.8 83.6

76 34.0 24.3 36.5

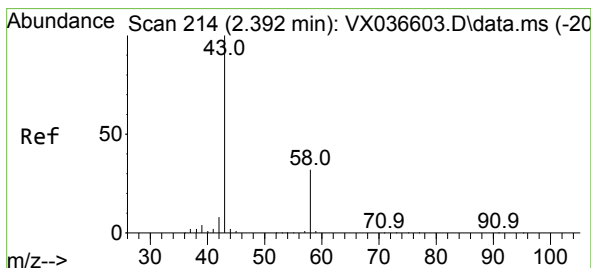
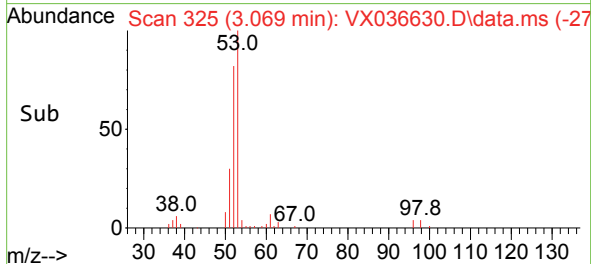
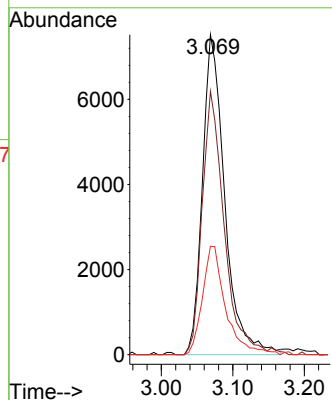
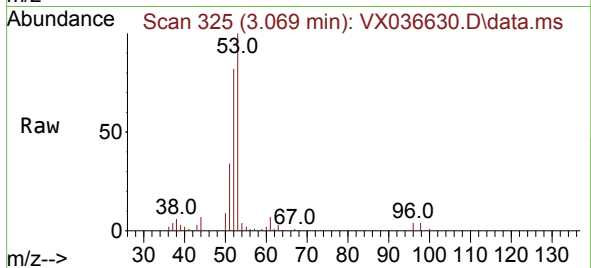




#15
Acrylonitrile
Concen: 12.836 ug/l
RT: 3.069 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

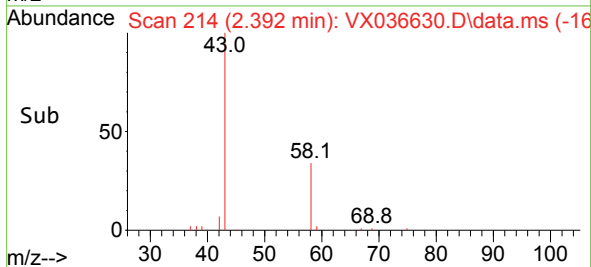
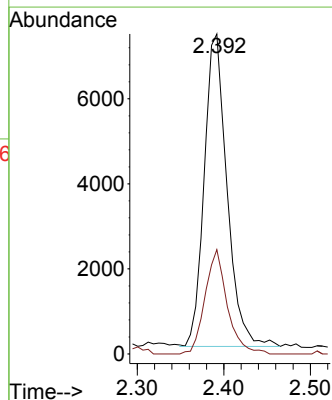
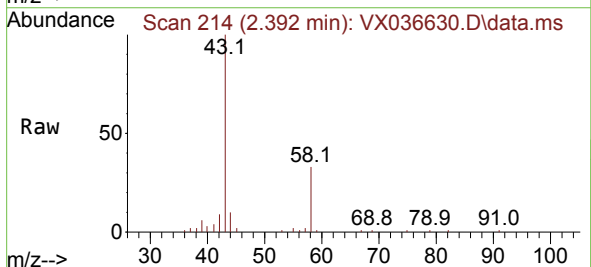
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

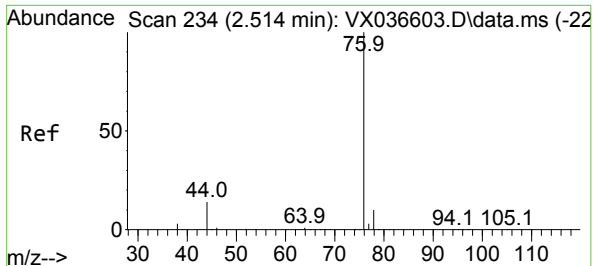
Tgt Ion: 53	Resp:	16284	
Ion	Ratio	Lower	Upper
53	100		
52	80.6	66.0	99.0
51	35.2	29.8	44.6



#16
Acetone
Concen: 12.151 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

Tgt Ion: 43	Resp: 13435
Ion Ratio	Lower Upper
43 100	
58 33.4	21.9 32.9#





#17

Carbon Disulfide

Concen: 2.512 ug/l

RT: 2.508 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

Instrument :

MSVOA_X

ClientSampleId :

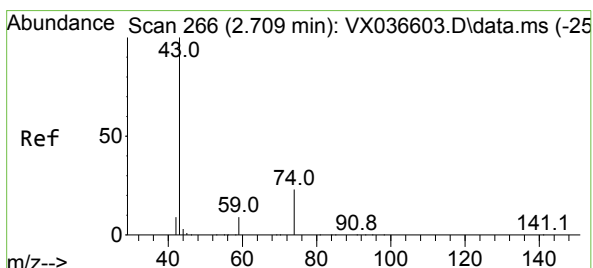
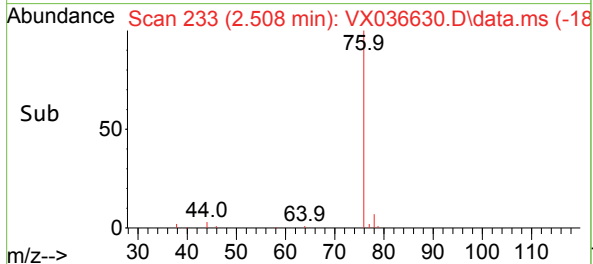
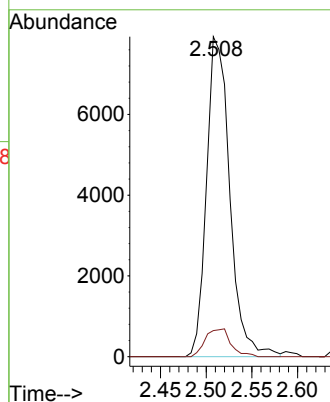
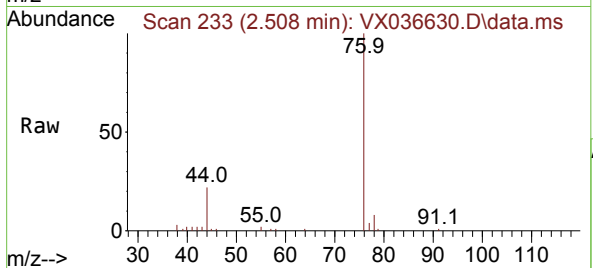
MDL-WATER-03-QT3-2023

Tgt Ion: 76 Resp: 13982

Ion Ratio Lower Upper

76 100

78 8.1 7.0 10.6



#18

Methyl Acetate

Concen: 2.470 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.000 min

Lab File: VX036630.D

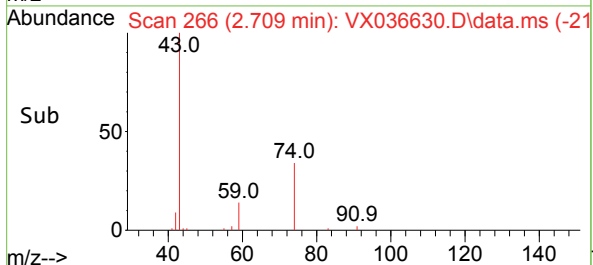
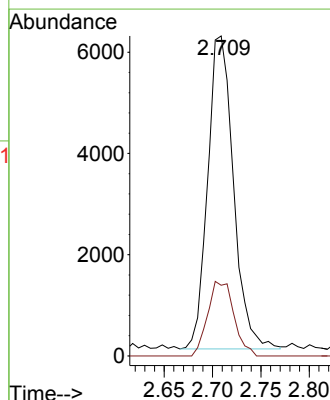
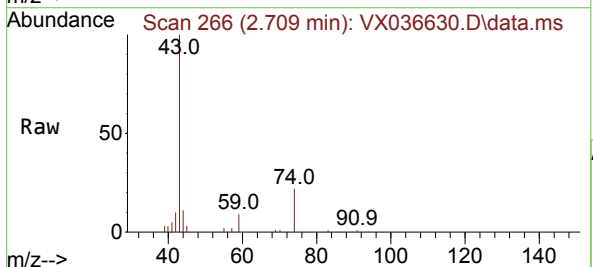
Acq: 24 Jul 2023 14:58

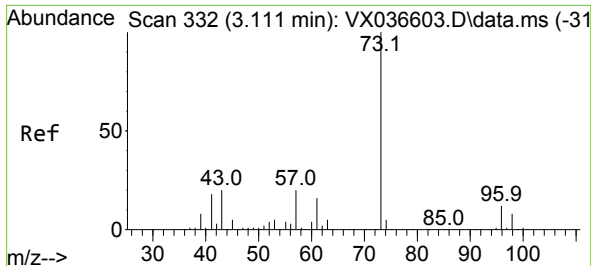
Tgt Ion: 43 Resp: 11488

Ion Ratio Lower Upper

43 100

74 24.1 17.8 26.8

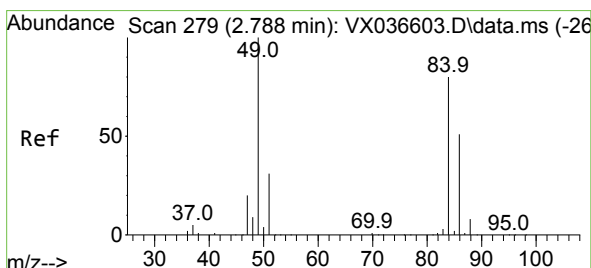
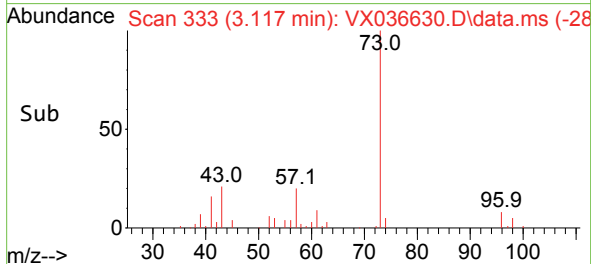
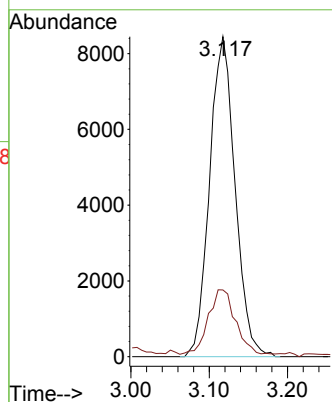
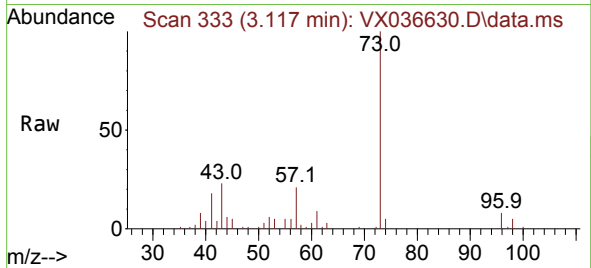




#19
Methyl tert-butyl Ether
Concen: 2.522 ug/l
RT: 3.117 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

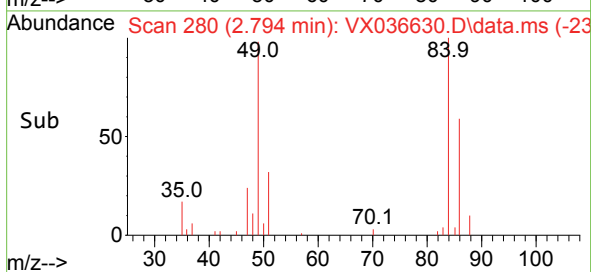
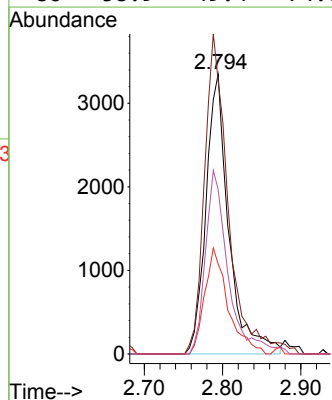
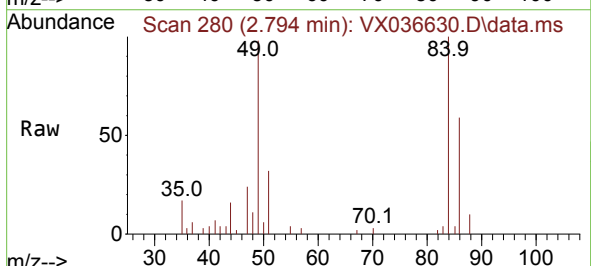
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

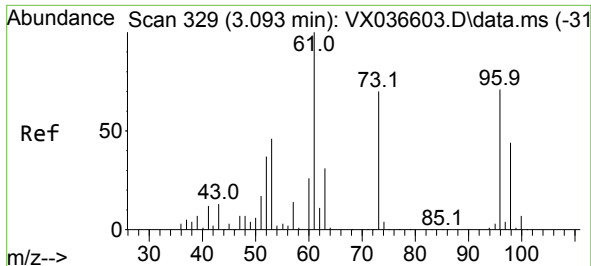
Tgt Ion: 73 Resp: 19108
Ion Ratio Lower Upper
73 100
57 20.1 17.3 25.9



#20
Methylene Chloride
Concen: 2.759 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

Tgt Ion: 84 Resp: 6785
Ion Ratio Lower Upper
84 100
49 97.8 103.6 155.4#
51 32.2 33.8 50.6#
86 58.9 49.4 74.0

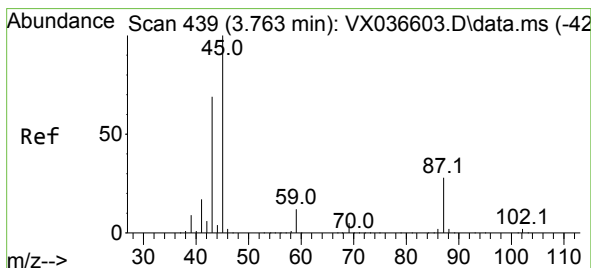
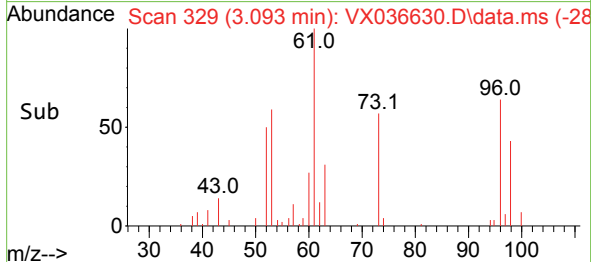
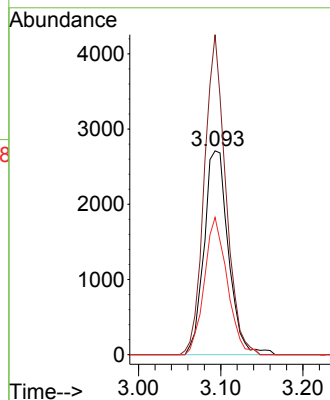
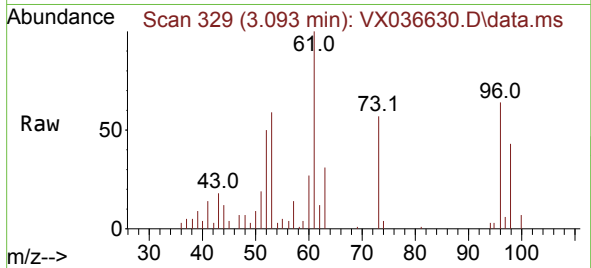




#21
trans-1,2-Dichloroethene
Concen: 2.476 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

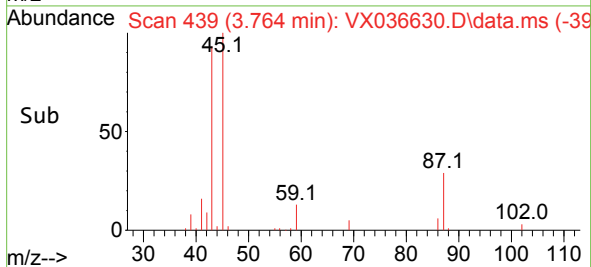
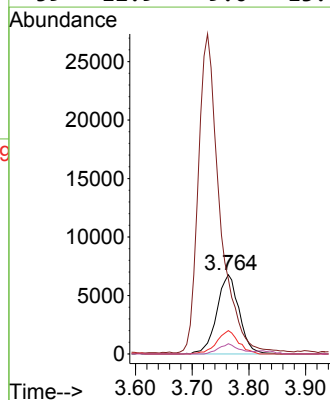
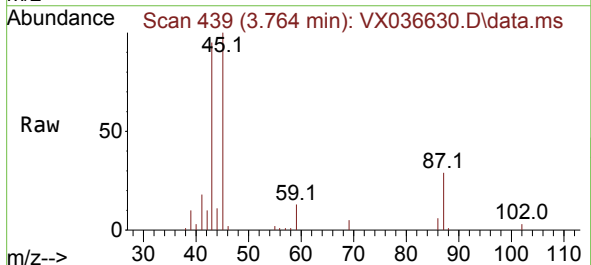
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

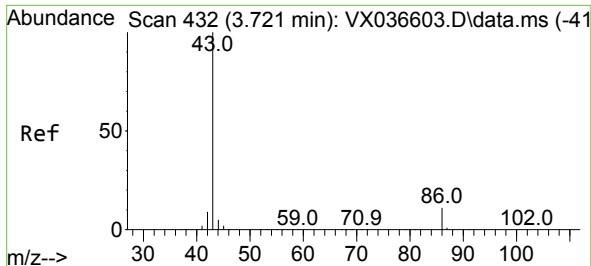
Tgt Ion: 96 Resp: 5581
Ion Ratio Lower Upper
96 100
61 157.0 119.2 178.8
98 67.3 48.7 73.1



#22
Diisopropyl ether
Concen: 2.450 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

Tgt Ion: 45 Resp: 18469
Ion Ratio Lower Upper
45 100
43 92.1 69.7 104.5
87 29.4 20.8 31.2
59 12.9 9.0 13.4

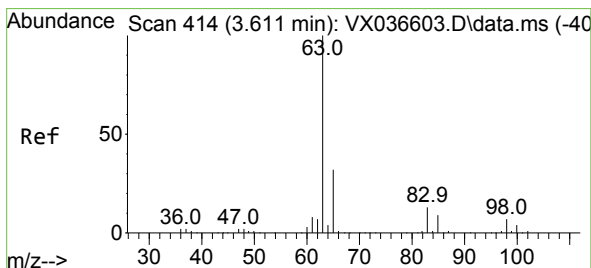
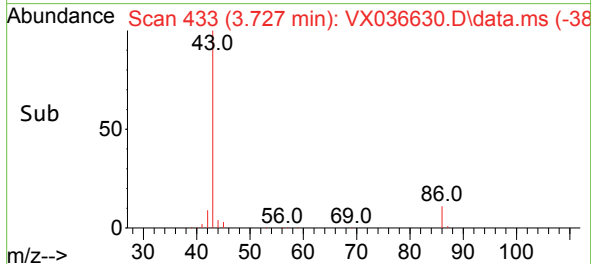
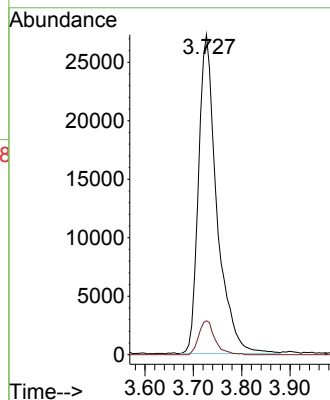
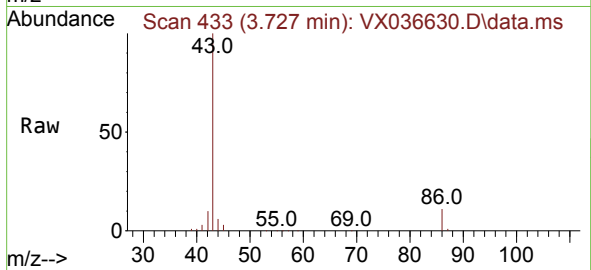




#23
 Vinyl Acetate
 Concen: 12.434 ug/l
 RT: 3.727 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VX036630.D
 Acq: 24 Jul 2023 14:58

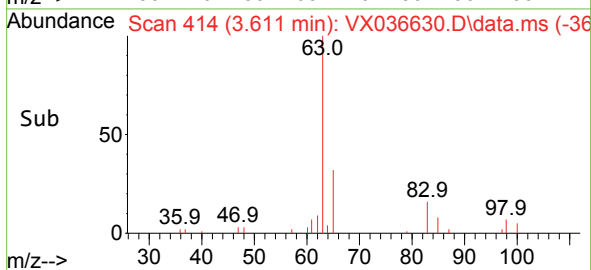
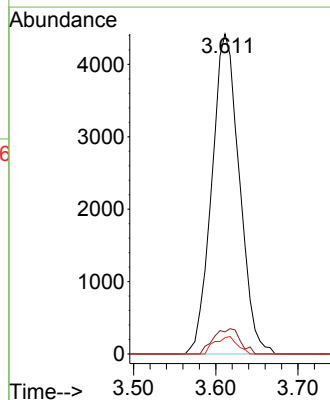
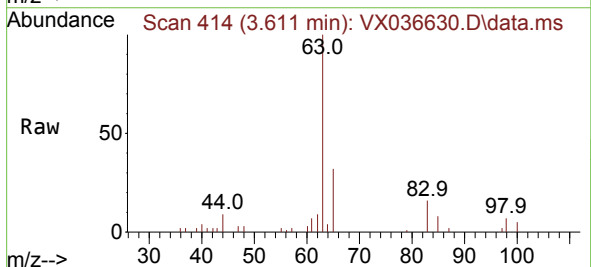
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2023

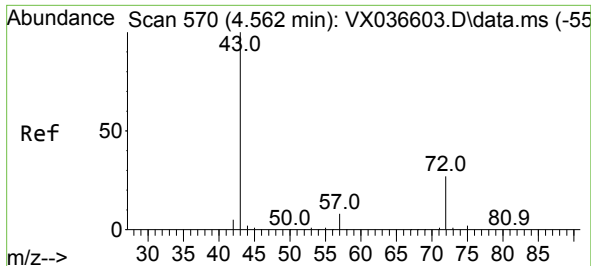
Tgt Ion: 43 Resp: 71909
 Ion Ratio Lower Upper
 43 100
 86 10.7 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 2.439 ug/l
 RT: 3.611 min Scan# 414
 Delta R.T. 0.000 min
 Lab File: VX036630.D
 Acq: 24 Jul 2023 14:58

Tgt Ion: 63 Resp: 10309
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.8
 100 5.1 2.1 6.5

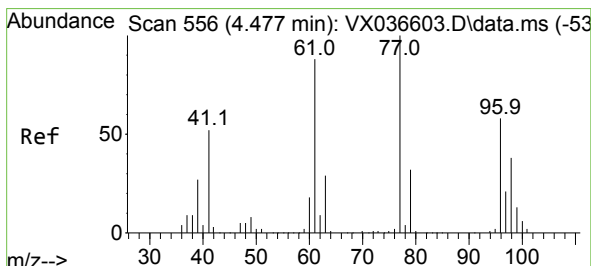
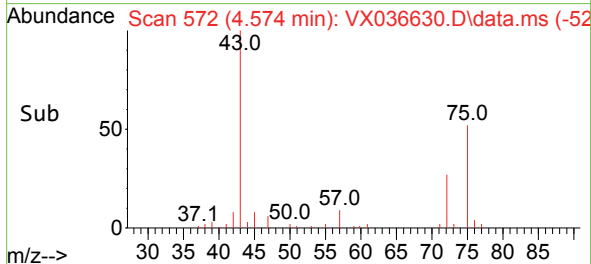
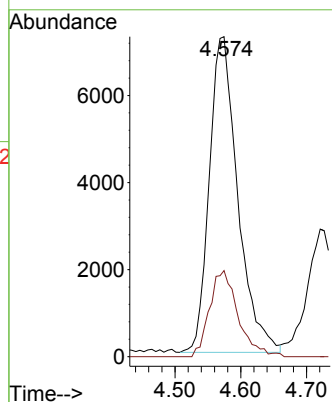
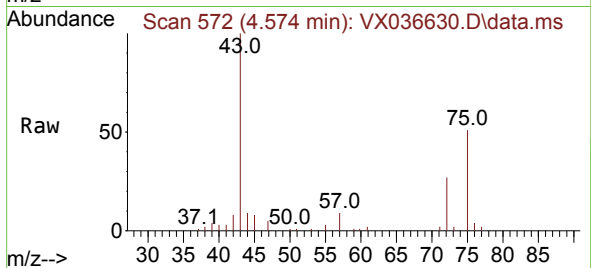




#25
2-Butanone
Concen: 12.167 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

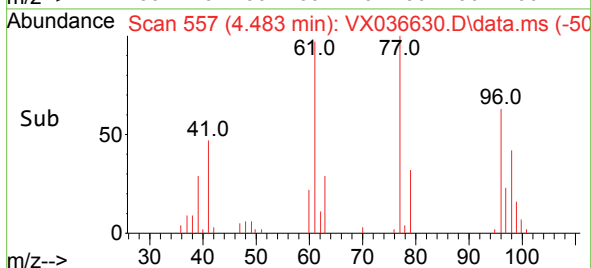
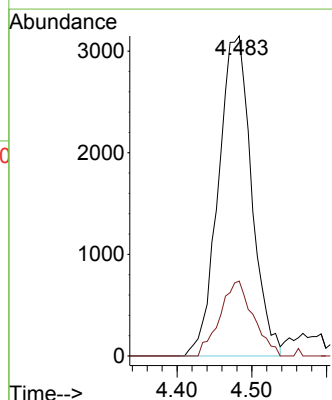
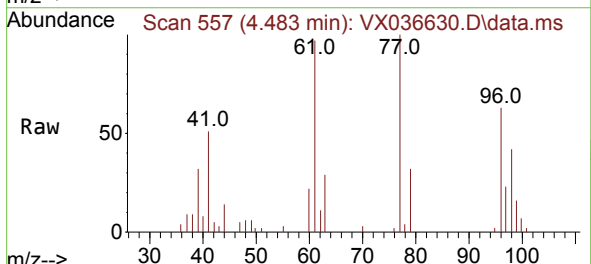
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

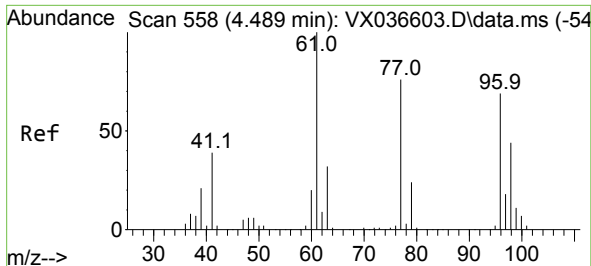
Tgt Ion: 43 Resp: 21826
Ion Ratio Lower Upper
43 100
72 27.3 19.4 29.2



#26
2,2-Dichloropropane
Concen: 2.446 ug/l
RT: 4.483 min Scan# 557
Delta R.T. 0.006 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

Tgt Ion: 77 Resp: 9741
Ion Ratio Lower Upper
77 100
97 23.3 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 2.416 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

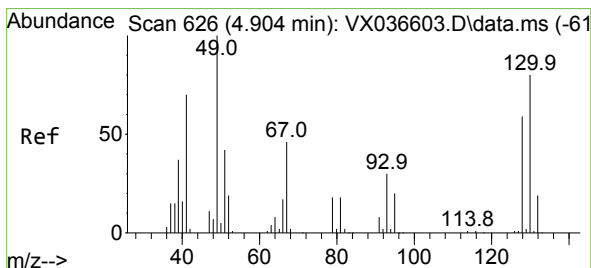
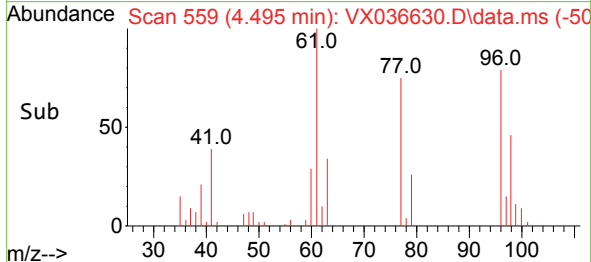
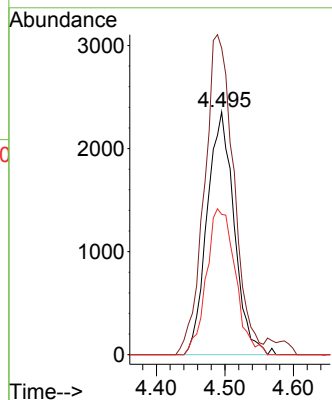
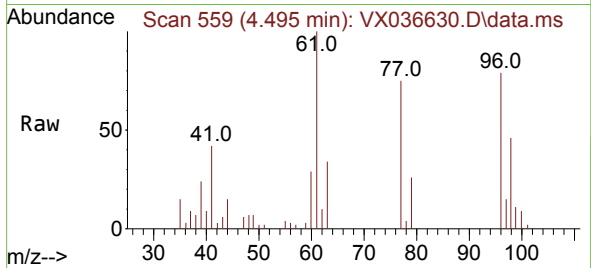
Tgt Ion: 96 Resp: 6468

Ion Ratio Lower Upper

96 100

61 142.9 0.0 312.2

98 64.1 0.0 129.0



#28

Bromochloromethane

Concen: 2.522 ug/l

RT: 4.904 min Scan# 626

Delta R.T. 0.000 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

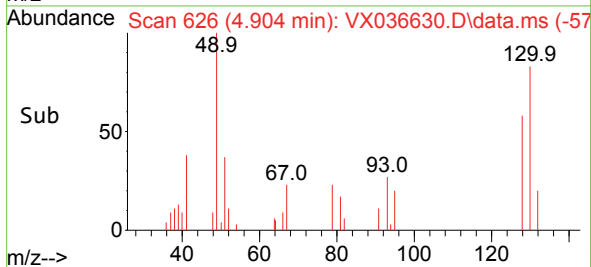
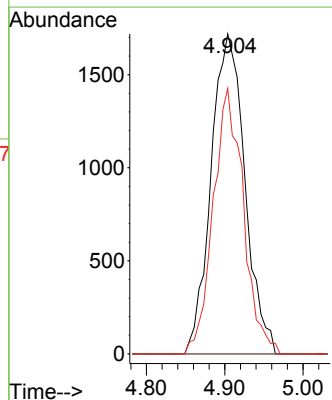
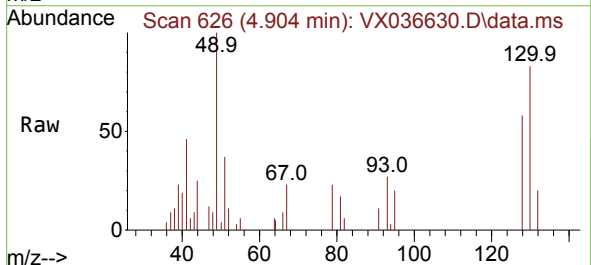
Tgt Ion: 49 Resp: 5155

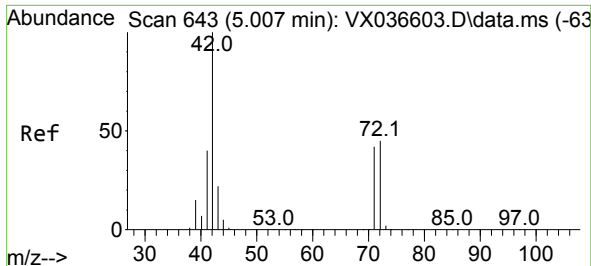
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 74.0 57.5 86.3





#29

Tetrahydrofuran

Concen: 12.682 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX036630.D

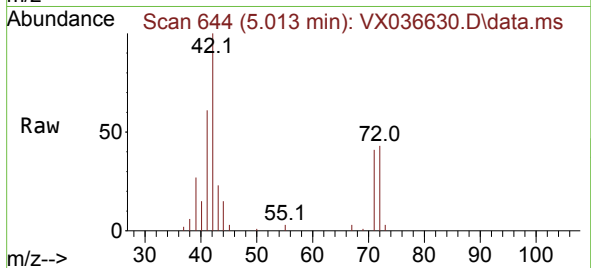
Acq: 24 Jul 2023 14:58

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023



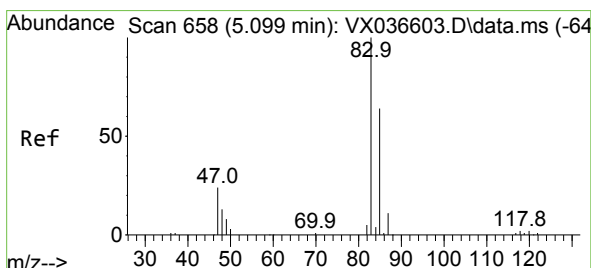
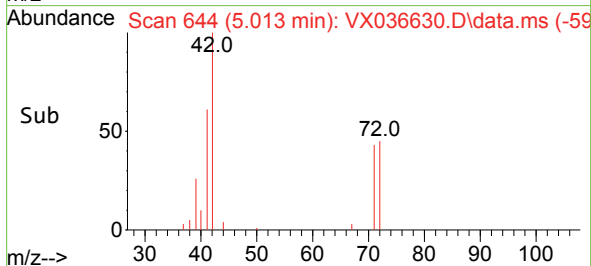
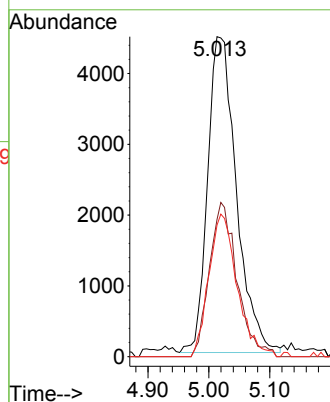
Tgt Ion: 42 Resp: 14668

Ion Ratio Lower Upper

42 100

72 46.8 34.2 51.4

71 44.2 32.2 48.2



#30

Chloroform

Concen: 2.530 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.000 min

Lab File: VX036630.D

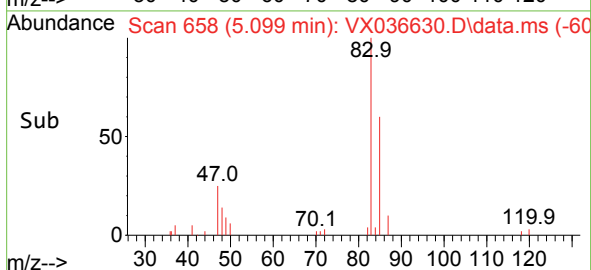
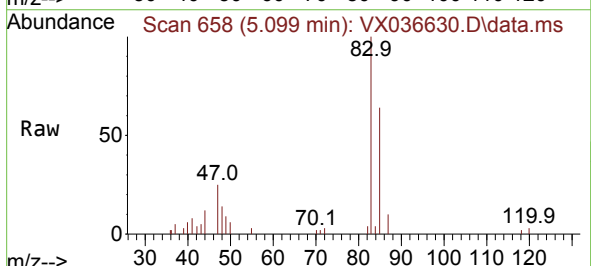
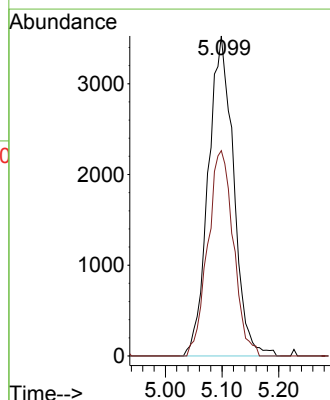
Acq: 24 Jul 2023 14:58

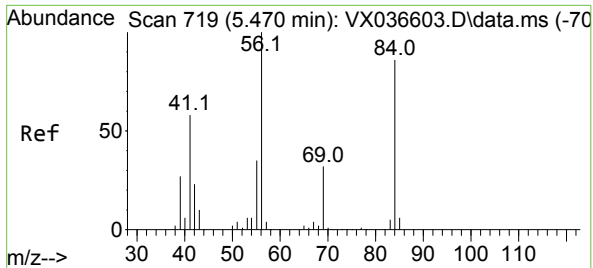
Tgt Ion: 83 Resp: 10942

Ion Ratio Lower Upper

83 100

85 64.2 50.3 75.5

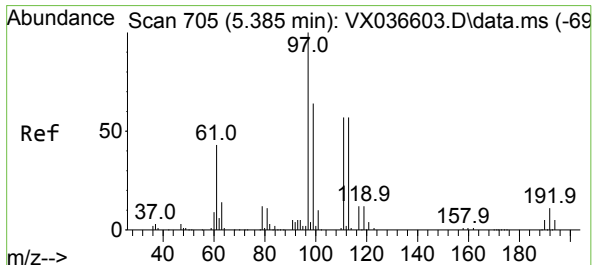
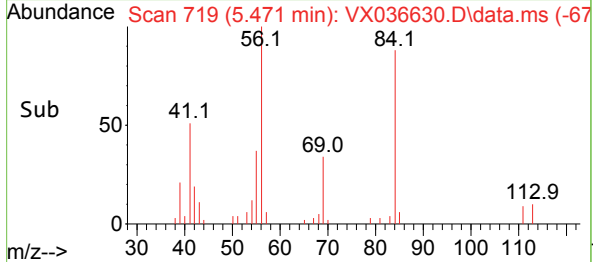
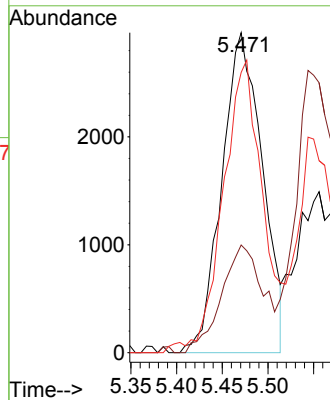
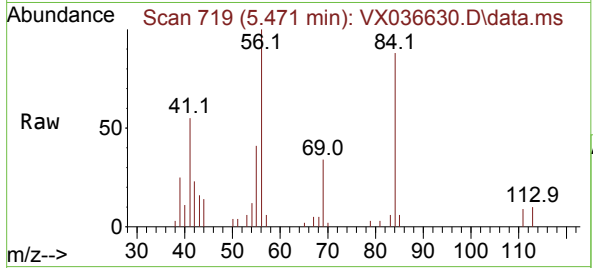




#31
Cyclohexane
Concen: 2.474 ug/l
RT: 5.471 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

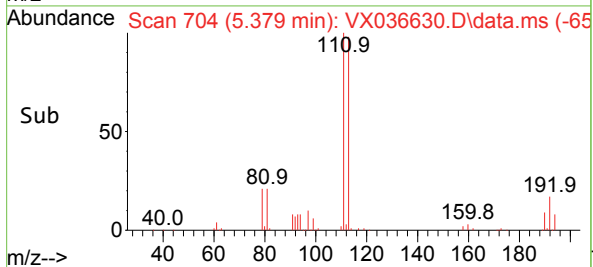
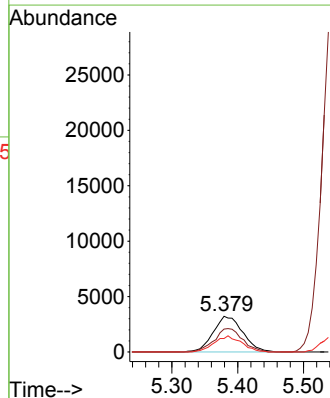
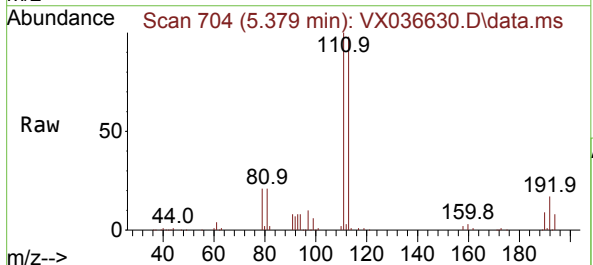
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

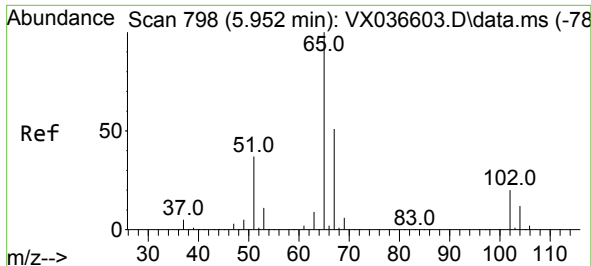
Tgt Ion:	56	Resp:	9127
Ion	Ratio	Lower	Upper
56	100		
69	33.6	23.4	35.2
84	84.4	65.9	98.9



#32
1,1,1-Trichloroethane
Concen: 2.536 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

Tgt Ion:	97	Resp:	10048
Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.1	76.7
61	41.5	36.4	54.6

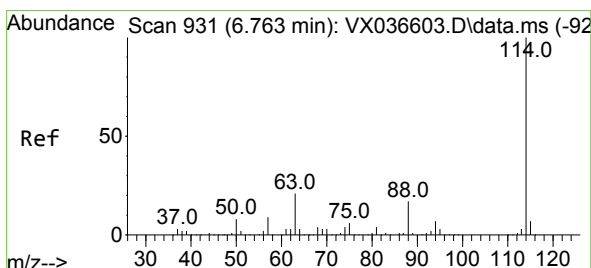
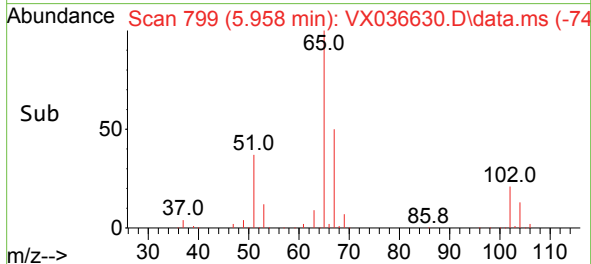
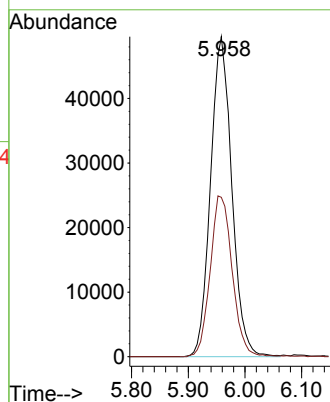
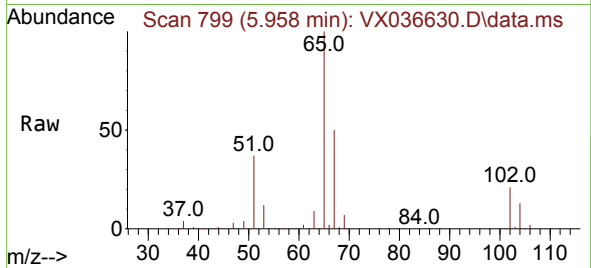




#33
 1,2-Dichloroethane-d4
 Concen: 48.412 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX036630.D
 Acq: 24 Jul 2023 14:58

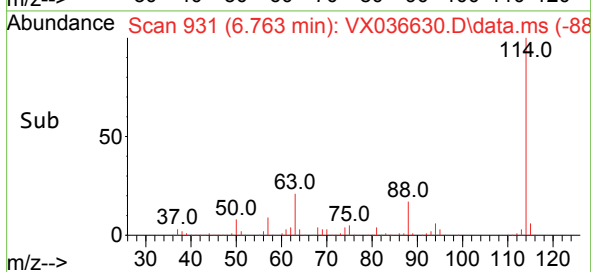
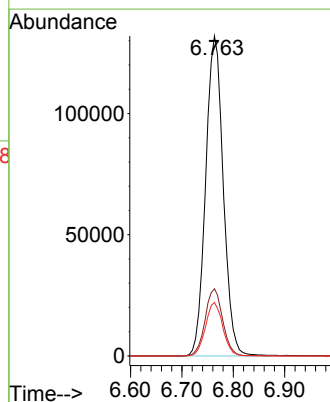
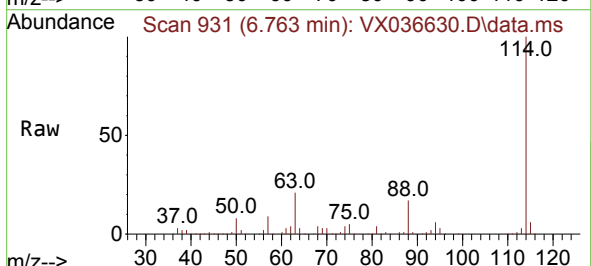
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2023

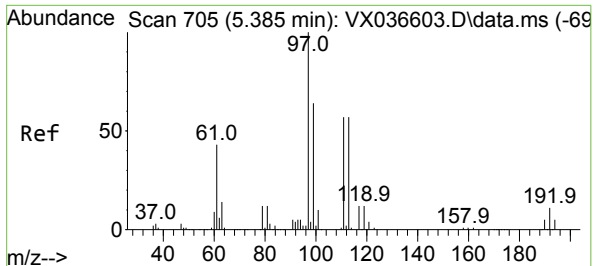
Tgt Ion: 65 Resp: 128998
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX036630.D
 Acq: 24 Jul 2023 14:58

Tgt Ion: 114 Resp: 314030
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 45.0
 88 16.7 0.0 36.6

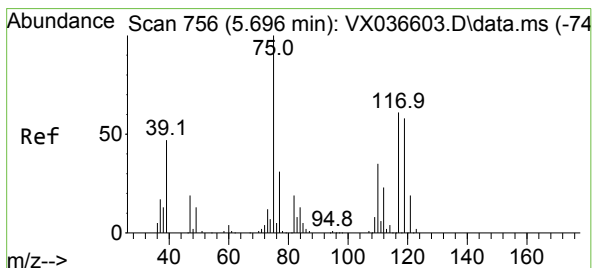
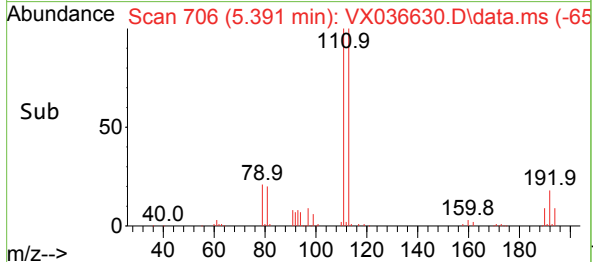
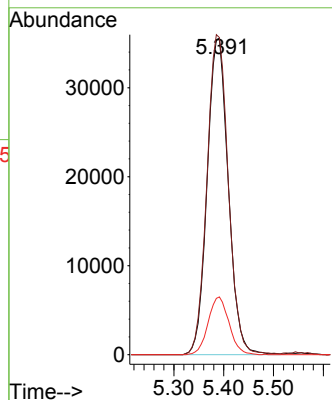
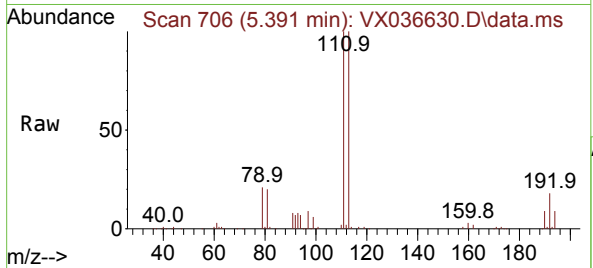




#35
Dibromofluoromethane
Concen: 48.405 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

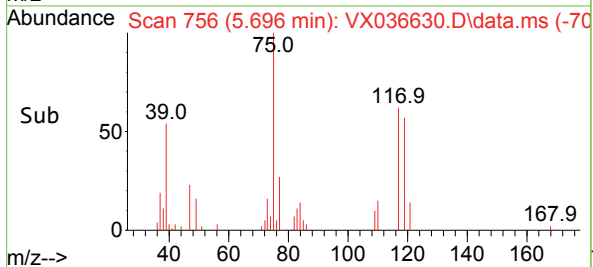
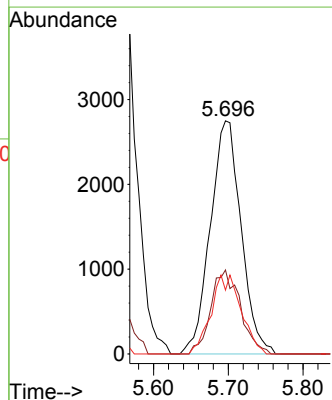
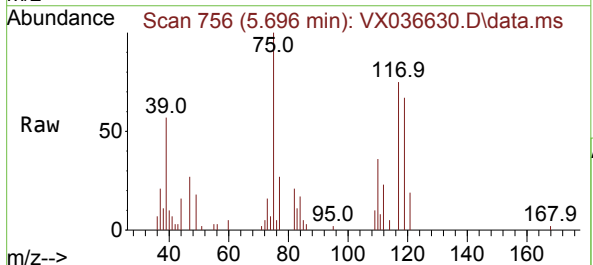
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

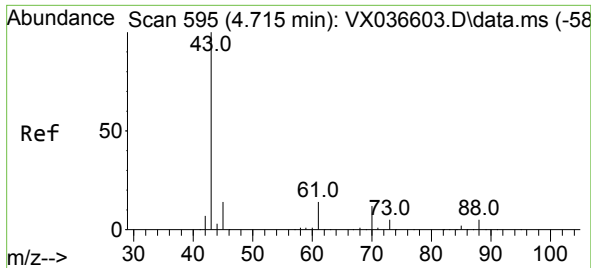
Tgt Ion:113 Resp: 104481
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 18.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 2.451 ug/l
RT: 5.696 min Scan# 756
Delta R.T. 0.000 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

Tgt Ion: 75 Resp: 7885
Ion Ratio Lower Upper
75 100
110 34.5 17.0 50.9
77 33.2 24.7 37.1





#37

Ethyl Acetate

Concen: 2.223 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

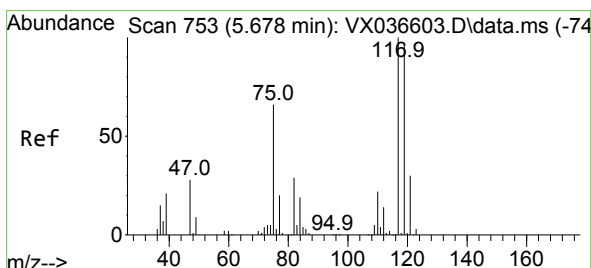
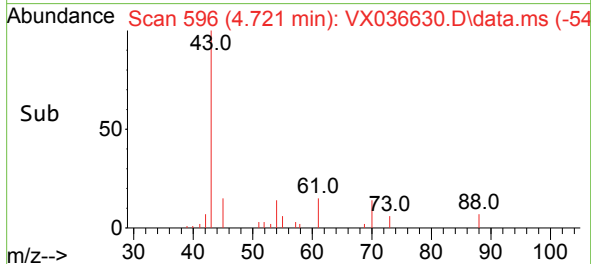
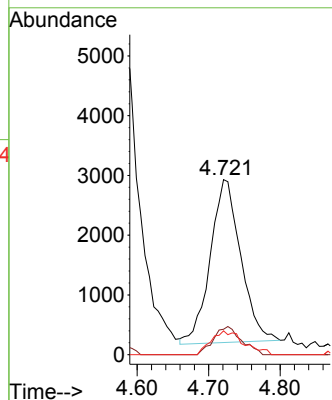
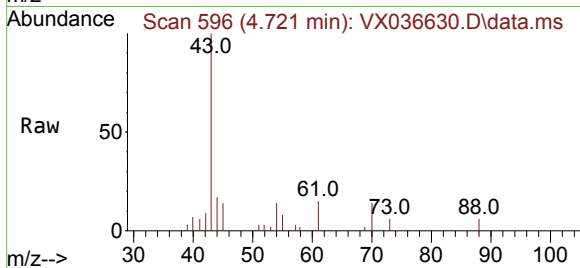
Tgt Ion: 43 Resp: 8093

Ion Ratio Lower Upper

43 100

61 15.7 10.6 16.0

70 15.5 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 2.473 ug/l

RT: 5.678 min Scan# 753

Delta R.T. 0.000 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

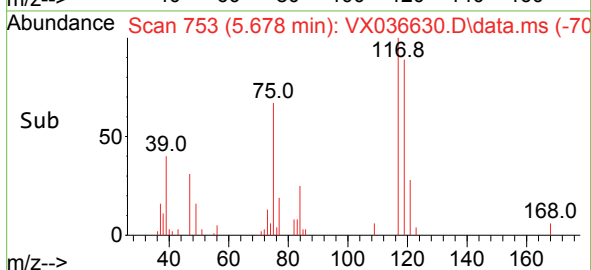
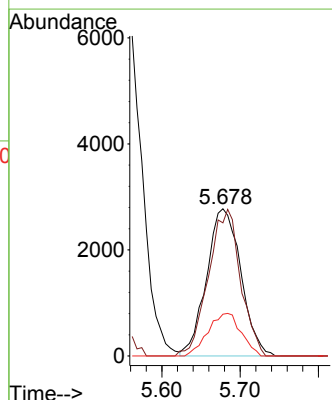
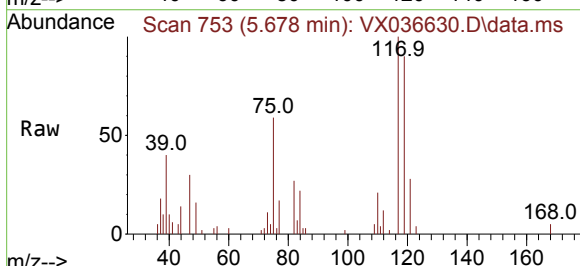
Tgt Ion: 117 Resp: 8459

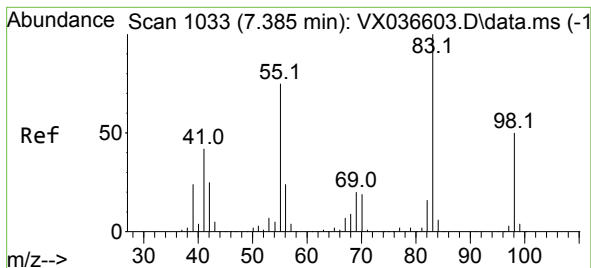
Ion Ratio Lower Upper

117 100

119 90.4 78.2 117.2

121 28.3 24.4 36.6





#39

Methylcyclohexane

Concen: 2.476 ug/l

RT: 7.379 min Scan# 10

Delta R.T. -0.006 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

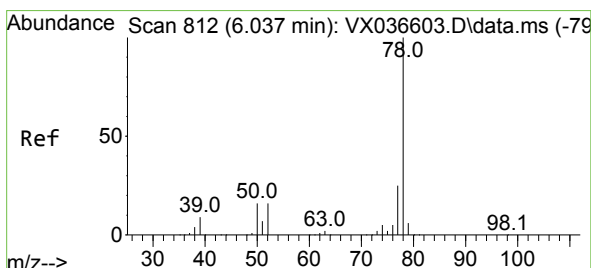
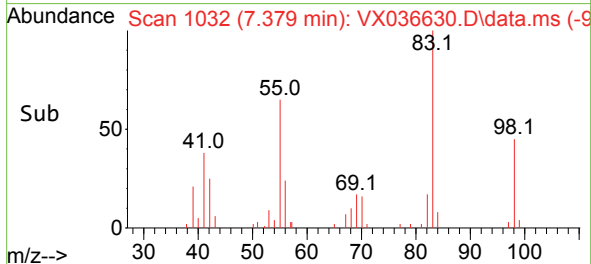
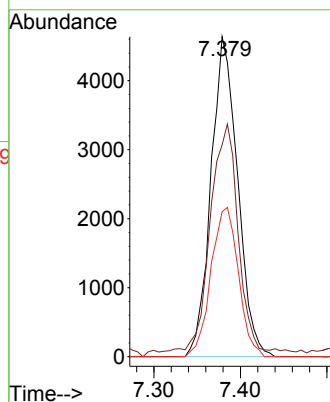
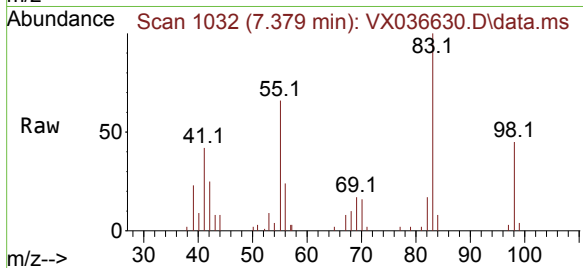
Tgt Ion: 83 Resp: 9905

Ion Ratio Lower Upper

83 100

55 64.4 64.6 97.0#

98 45.3 36.7 55.1



#40

Benzene

Concen: 2.388 ug/l

RT: 6.044 min Scan# 813

Delta R.T. 0.006 min

Lab File: VX036630.D

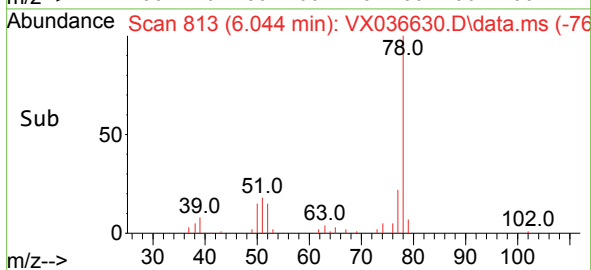
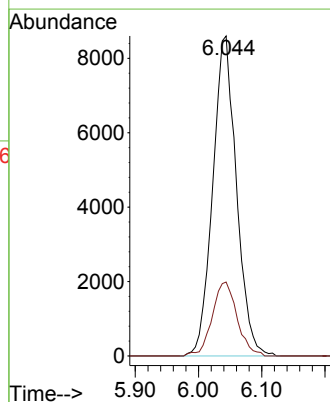
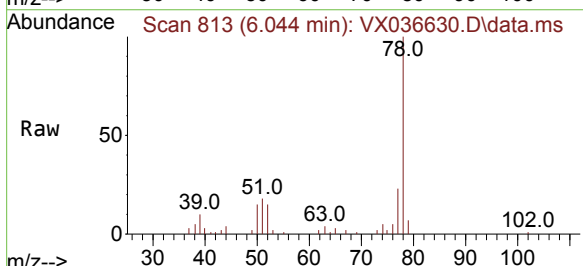
Acq: 24 Jul 2023 14:58

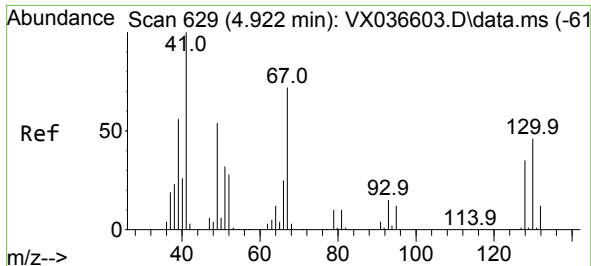
Tgt Ion: 78 Resp: 22351

Ion Ratio Lower Upper

78 100

77 23.1 19.3 28.9

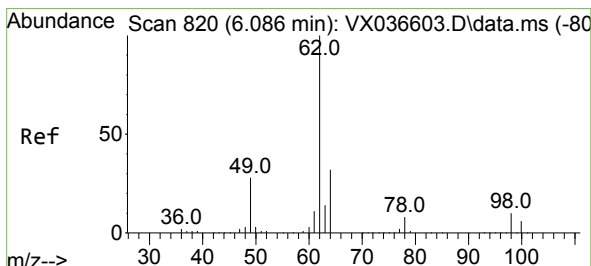
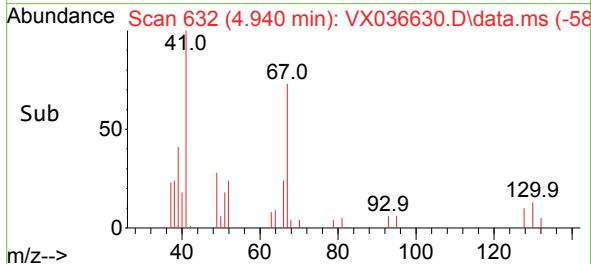
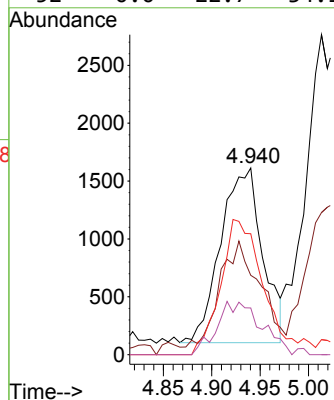
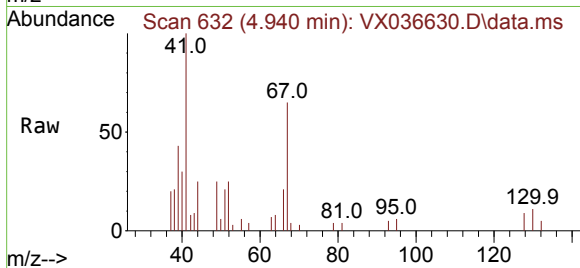




#41
Methacrylonitrile
Concen: 2.336 ug/l
RT: 4.940 min Scan# 61
Delta R.T. 0.018 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

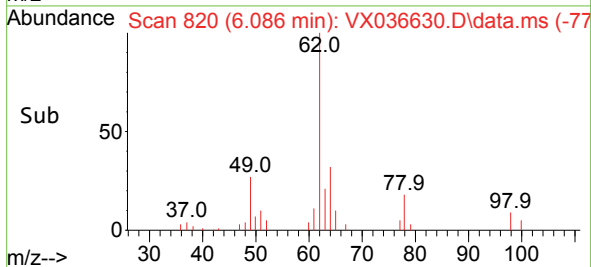
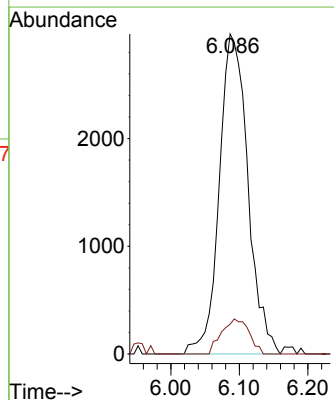
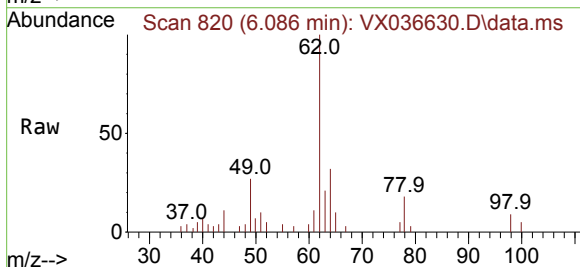
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion:	41	Resp:	4550
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.2	67.8#
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#



#42
1,2-Dichloroethane
Concen: 2.516 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

Tgt Ion:	62	Resp:	8610
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	16.0





#43

Isopropyl Acetate

Concen: 2.403 ug/l

RT: 6.342 min Scan# 862

Delta R.T. 0.000 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

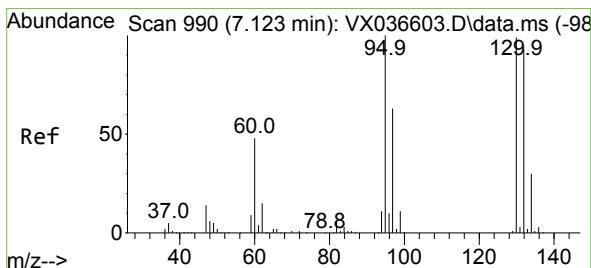
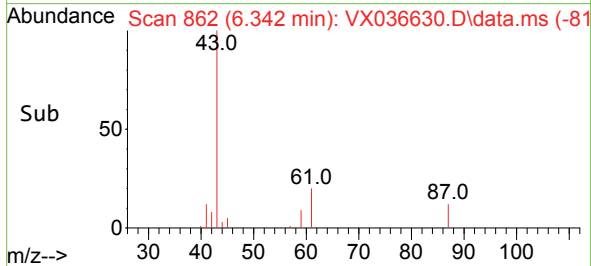
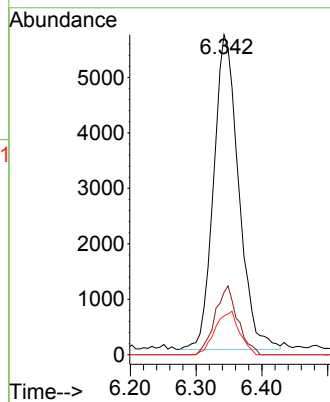
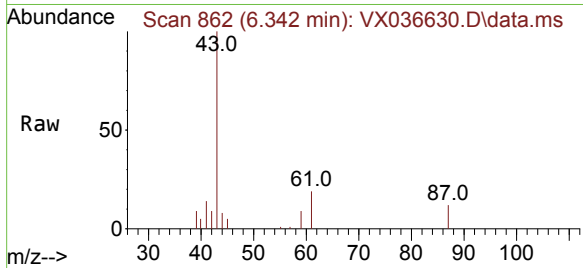
Tgt Ion: 43 Resp: 15061

Ion Ratio Lower Upper

43 100

61 19.8 15.2 22.8

87 13.3 9.8 14.6



#44

Trichloroethene

Concen: 2.389 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX036630.D

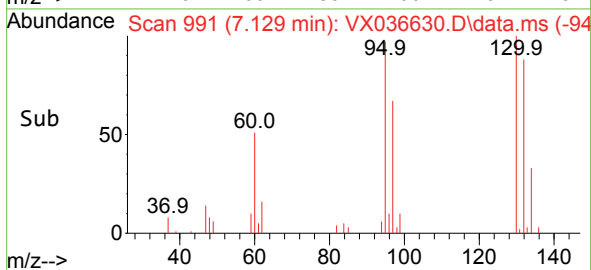
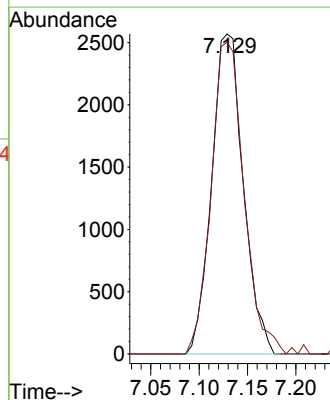
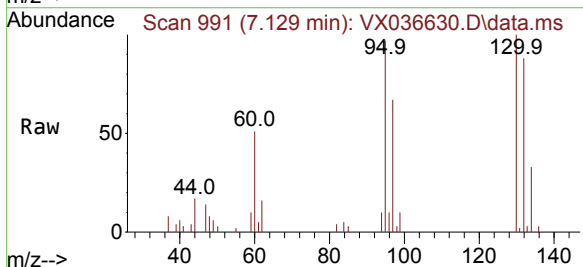
Acq: 24 Jul 2023 14:58

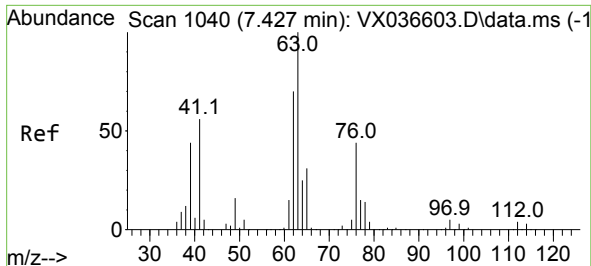
Tgt Ion:130 Resp: 5846

Ion Ratio Lower Upper

130 100

95 97.4 0.0 204.4

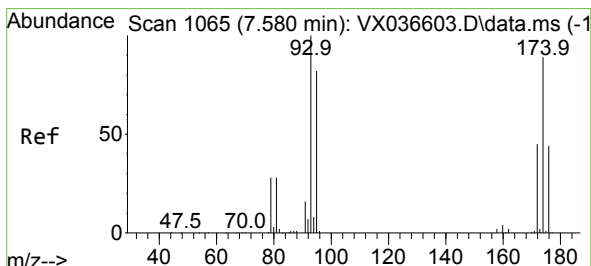
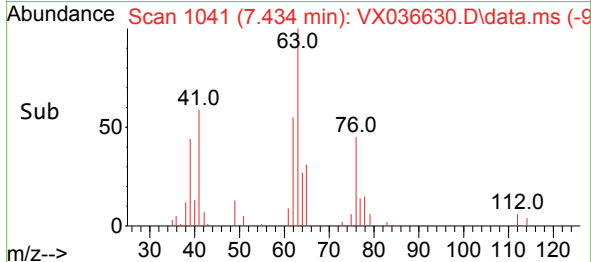
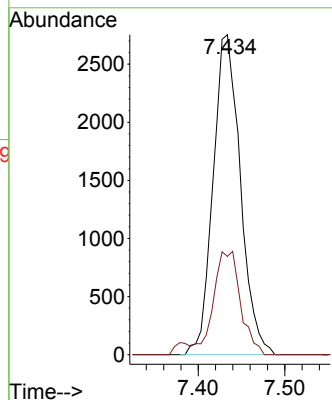
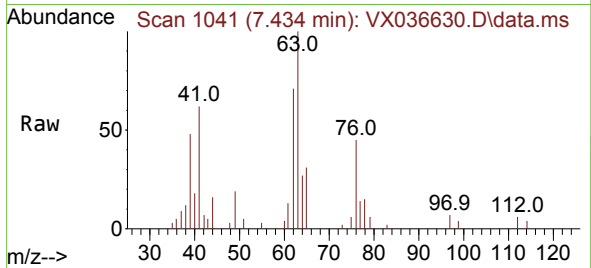




#45
1,2-Dichloropropane
Concen: 2.408 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

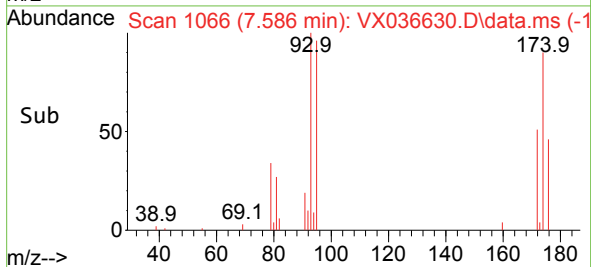
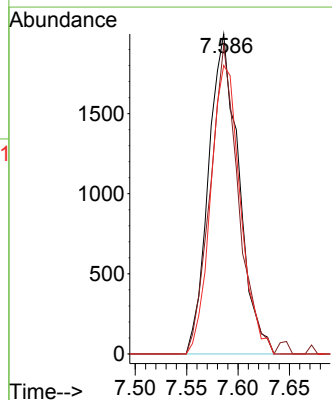
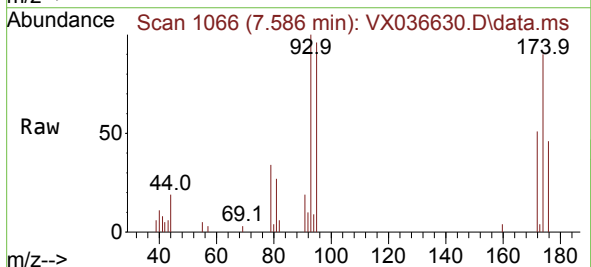
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT3-2023

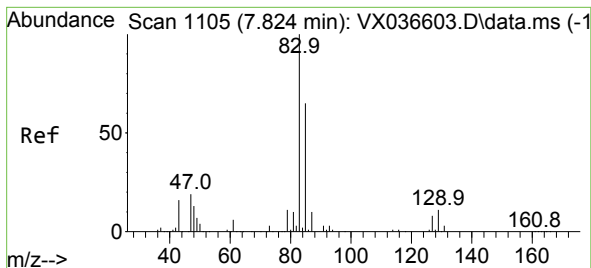
Tgt Ion: 63 Resp: 6018
Ion Ratio Lower Upper
63 100
65 30.7 24.3 36.5



#46
Dibromomethane
Concen: 2.336 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

Tgt Ion: 93 Resp: 4085
Ion Ratio Lower Upper
93 100
95 90.0 66.6 100.0
174 88.7 69.4 104.0





#47

Bromodichloromethane

Concen: 2.343 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

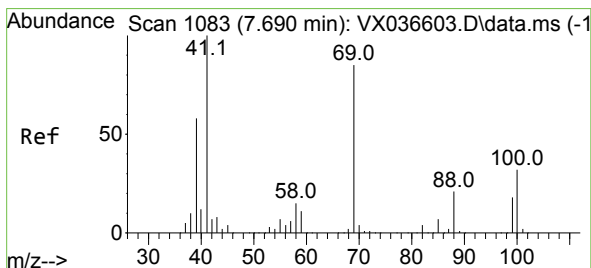
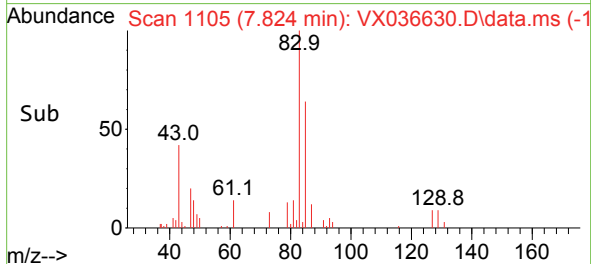
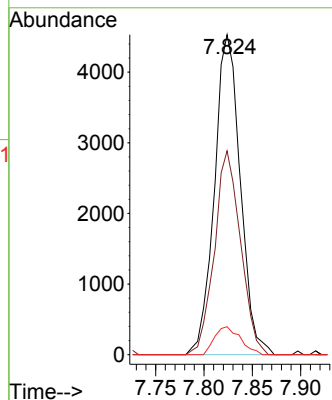
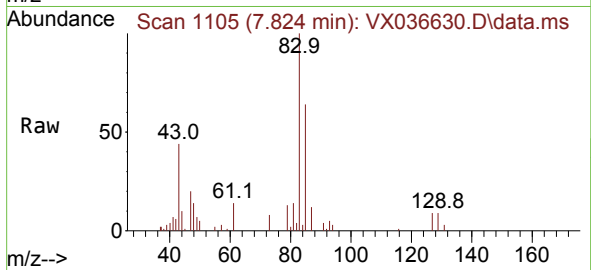
Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion:	83	Resp:	8410
Ion	Ratio	Lower	Upper
83	100		
85	63.7	49.8	74.6
127	8.7	7.1	10.7



#48

Methyl methacrylate

Concen: 2.382 ug/l

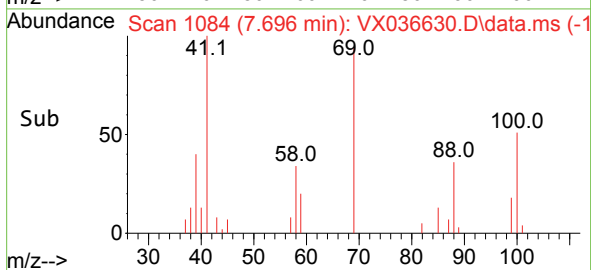
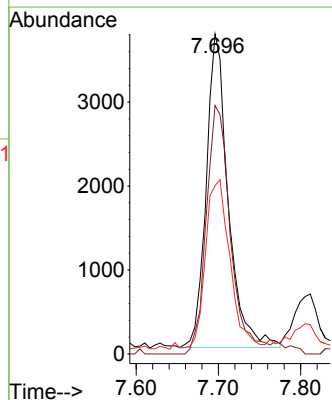
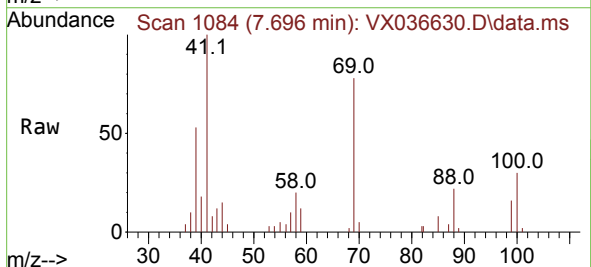
RT: 7.696 min Scan# 1084

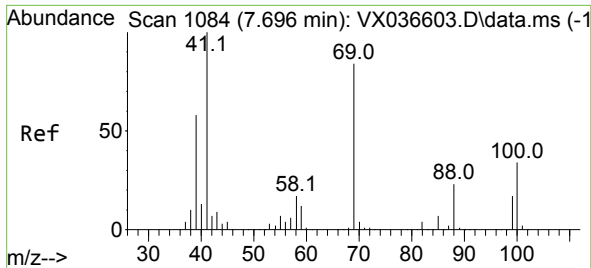
Delta R.T. 0.006 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

Tgt Ion:	41	Resp:	6943
Ion	Ratio	Lower	Upper
41	100		
69	87.3	59.2	88.8
39	59.5	47.7	71.5





#49

1,4-Dioxane

Concen: 47.004 ug/l

RT: 7.702 min Scan# 1085

Delta R.T. 0.006 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

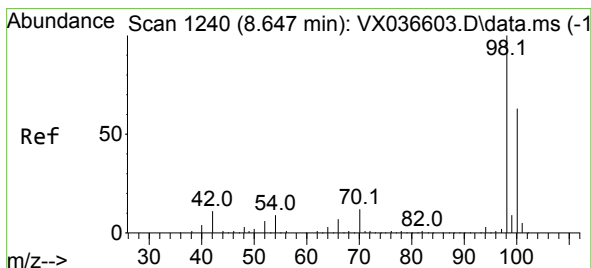
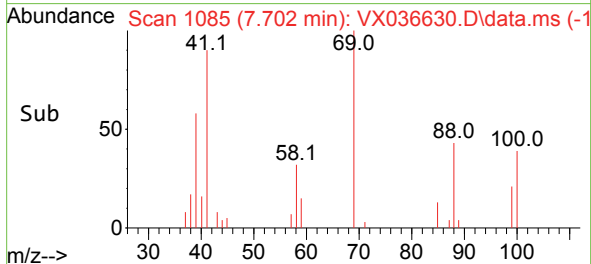
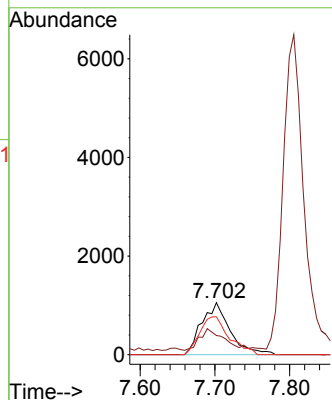
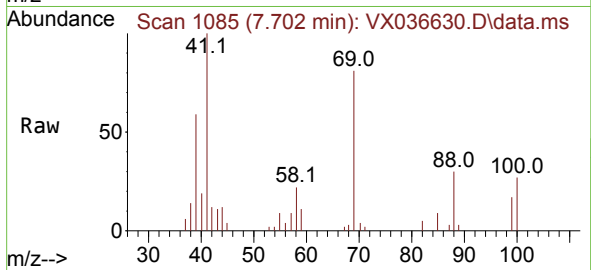
Tgt Ion: 88 Resp: 2768

Ion Ratio Lower Upper

88 100

43 37.8 0.0 0.0#

58 75.5 60.1 90.1



#50

Toluene-d8

Concen: 48.265 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX036630.D

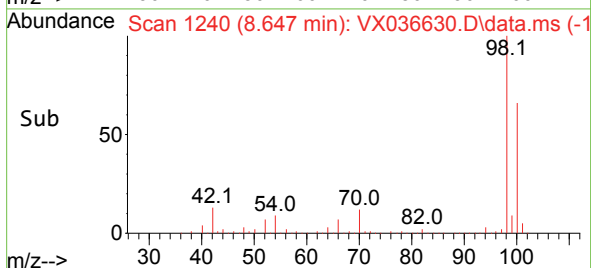
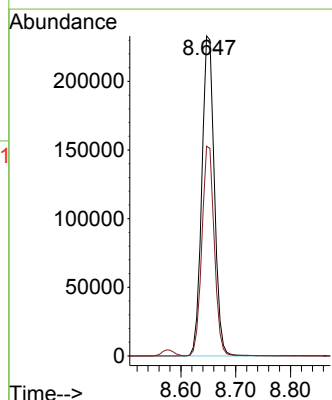
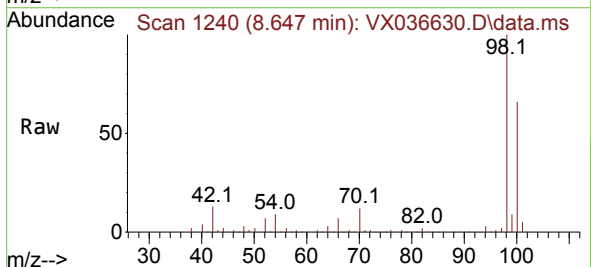
Acq: 24 Jul 2023 14:58

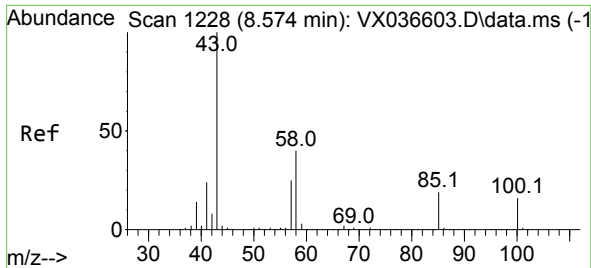
Tgt Ion: 98 Resp: 369440

Ion Ratio Lower Upper

98 100

100 64.9 53.1 79.7

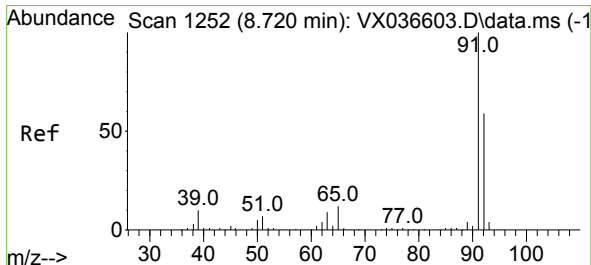
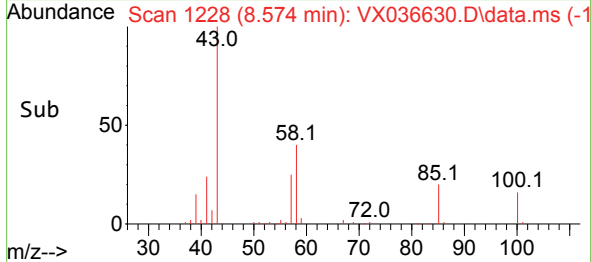
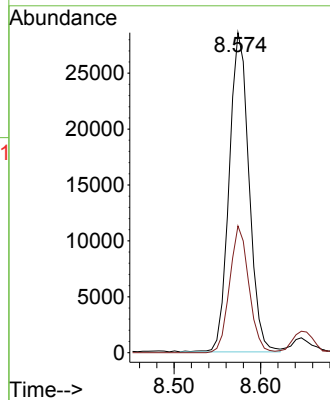
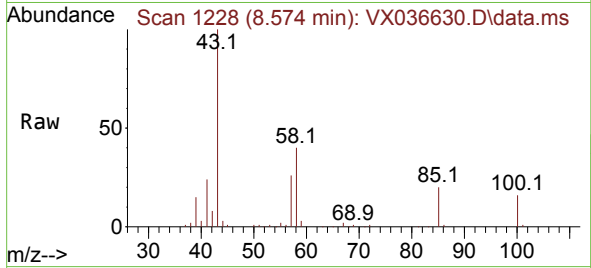




#51
4-Methyl-2-Pentanone
Concen: 13.101 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

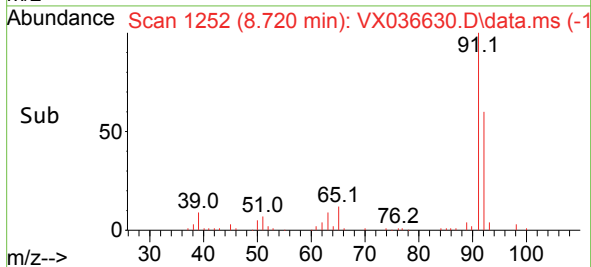
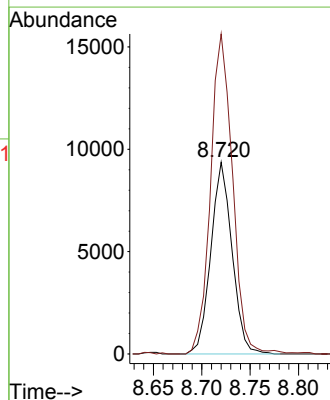
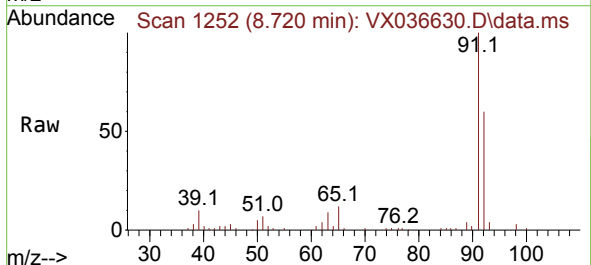
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT3-2023

Tgt Ion: 43 Resp: 45444
Ion Ratio Lower Upper
43 100
58 38.5 30.4 45.6



#52
Toluene
Concen: 2.437 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

Tgt Ion: 92 Resp: 14294
Ion Ratio Lower Upper
92 100
91 173.4 134.2 201.2

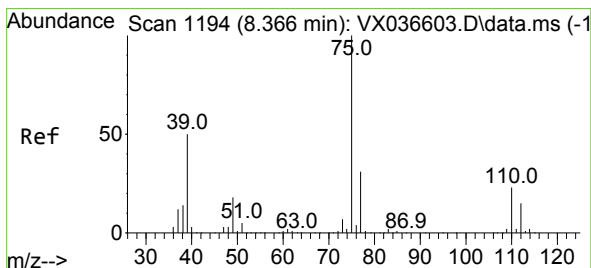
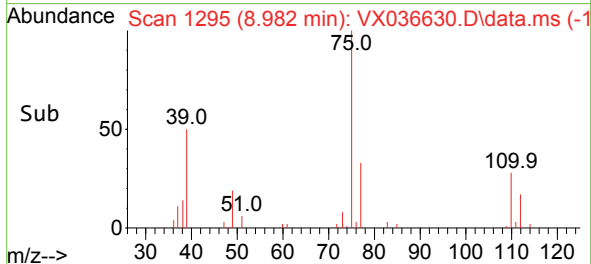
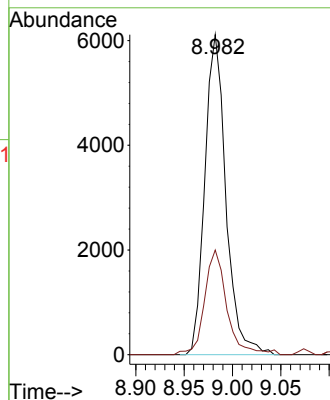
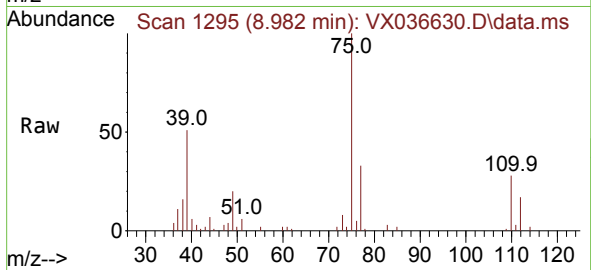




#53
 t-1,3-Dichloropropene
 Concen: 2.284 ug/l
 RT: 8.982 min Scan# 1195
 Delta R.T. 0.006 min
 Lab File: VX036630.D
 Acq: 24 Jul 2023 14:58

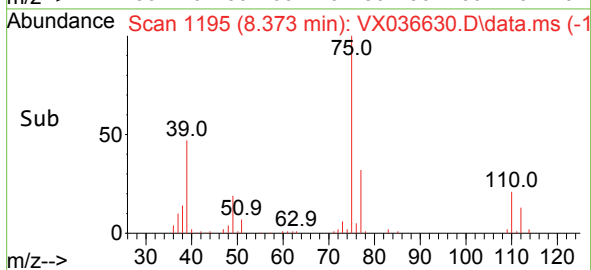
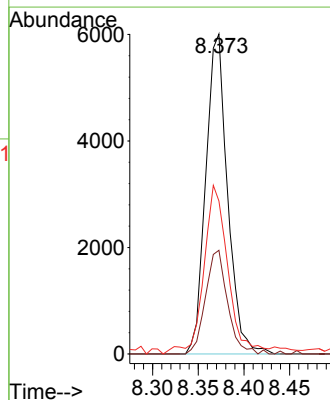
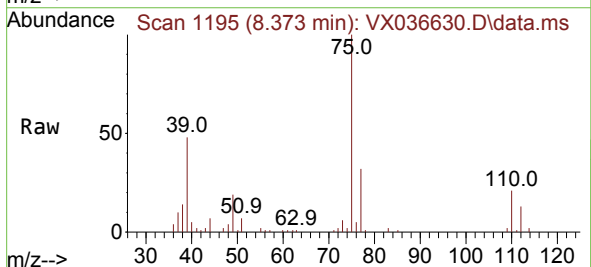
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2023

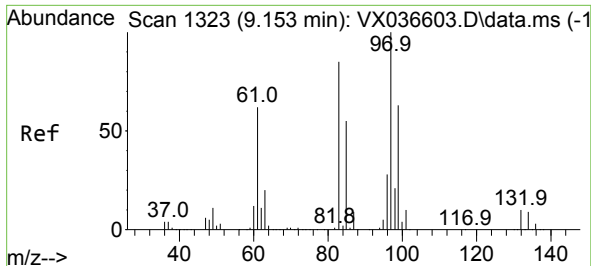
Tgt Ion: 75 Resp: 9268
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 2.324 ug/l
 RT: 8.373 min Scan# 1195
 Delta R.T. 0.006 min
 Lab File: VX036630.D
 Acq: 24 Jul 2023 14:58

Tgt Ion: 75 Resp: 9949
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.3 37.9
 39 46.0 46.7 70.1#

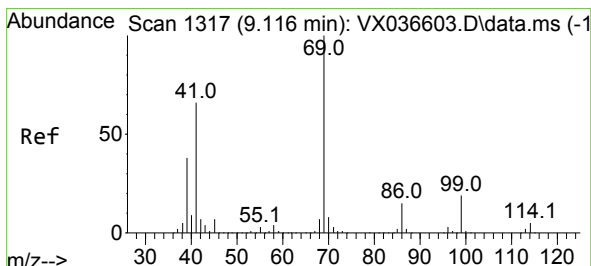
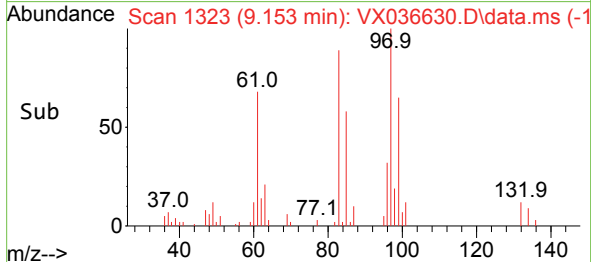
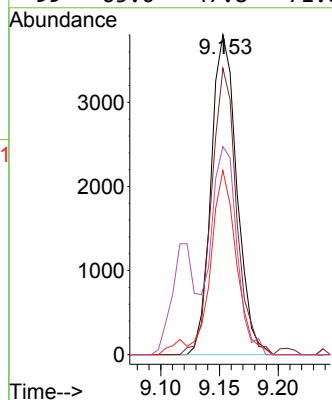
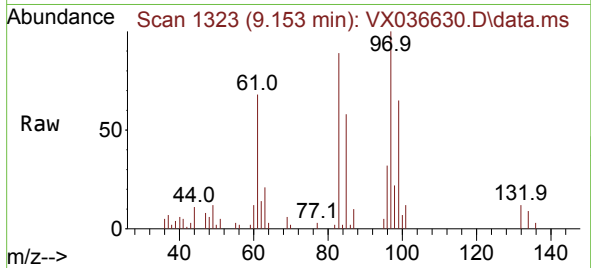




#55
1,1,2-Trichloroethane
Concen: 2.354 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.000 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

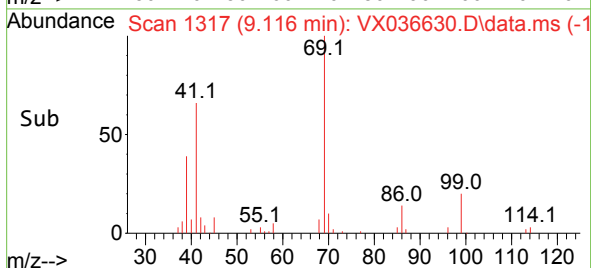
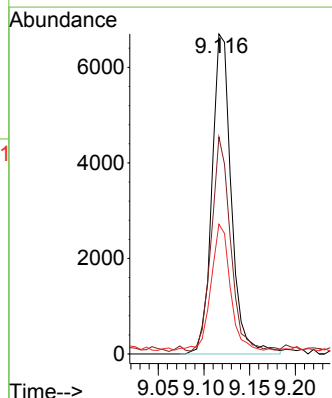
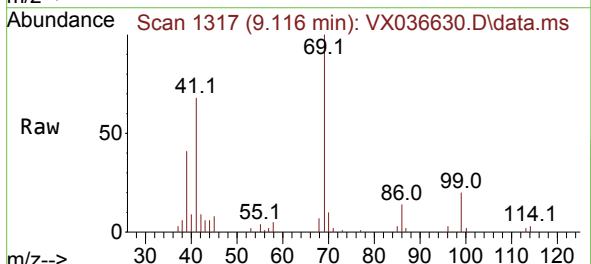
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT3-2023

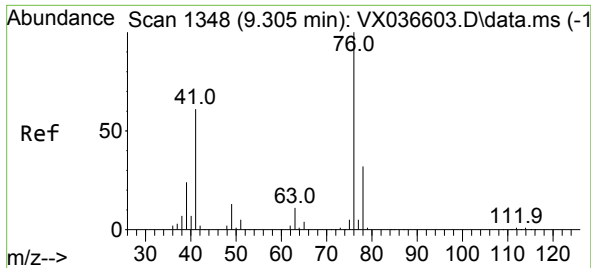
Tgt Ion:	97	Resp:	5803
Ion	Ratio	Lower	Upper
97	100		
83	89.5	65.8	98.8
85	57.5	41.6	62.4
99	65.0	47.8	71.8



#56
Ethyl methacrylate
Concen: 2.456 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

Tgt Ion:	69	Resp:	9859
Ion	Ratio	Lower	Upper
69	100		
41	66.5	56.8	85.2
39	39.2	32.0	48.0





#57

1,3-Dichloropropane

Concen: 2.485 ug/l

RT: 9.311 min Scan# 11349

Delta R.T. 0.006 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

Instrument :

MSVOA_X

ClientSampleId :

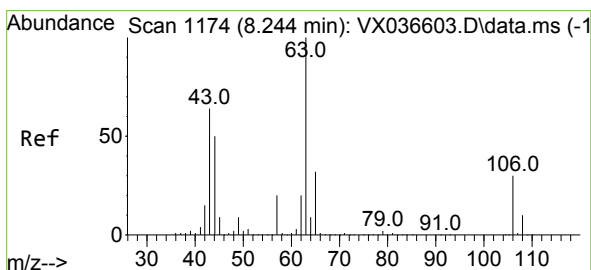
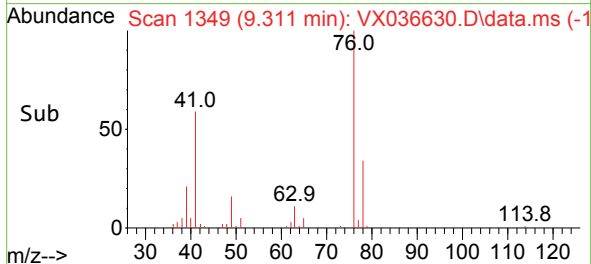
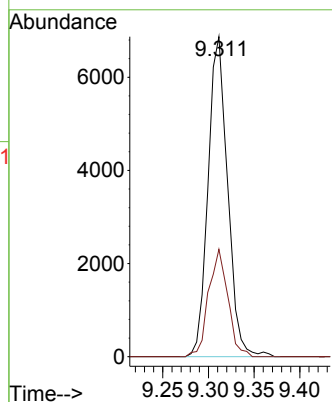
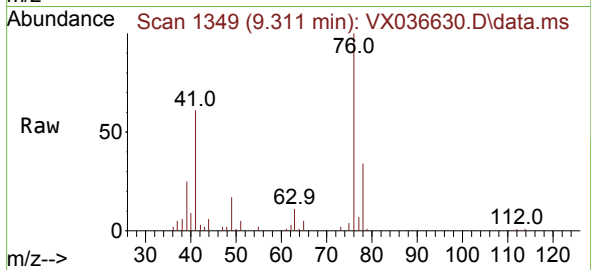
MDL-WATER-03-QT3-2023

Tgt Ion: 76 Resp: 10204

Ion Ratio Lower Upper

76 100

78 33.2 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 12.636 ug/l

RT: 8.245 min Scan# 1174

Delta R.T. 0.000 min

Lab File: VX036630.D

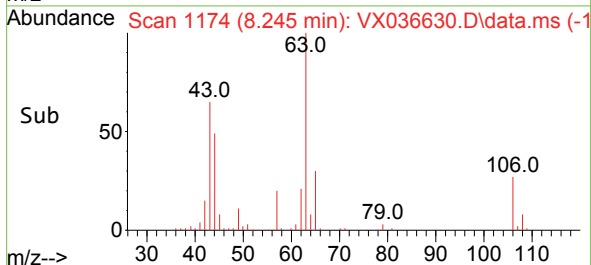
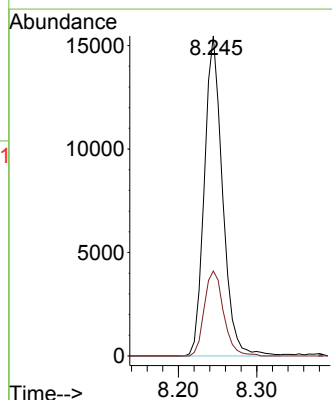
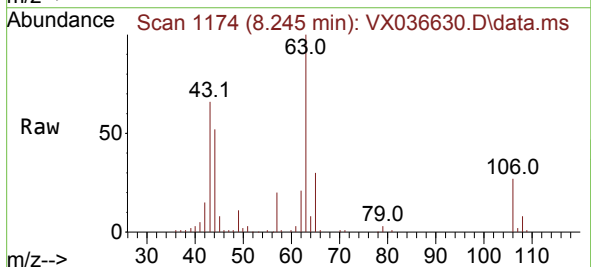
Acq: 24 Jul 2023 14:58

Tgt Ion: 63 Resp: 24996

Ion Ratio Lower Upper

63 100

106 28.0 22.5 33.7

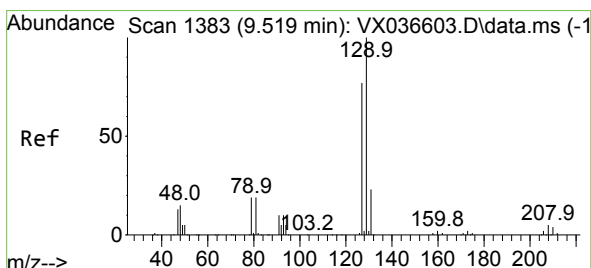
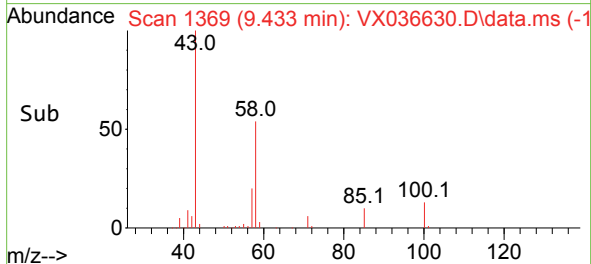
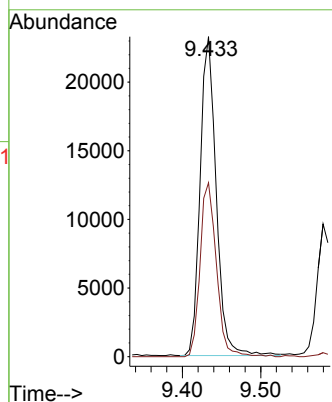
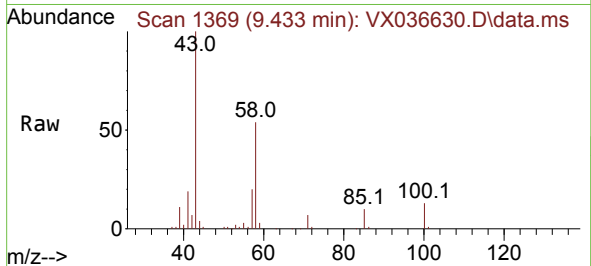




#59
2-Hexanone
Concen: 12.888 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

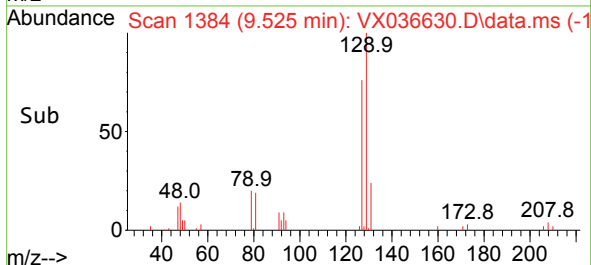
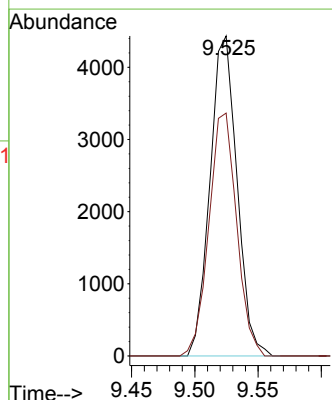
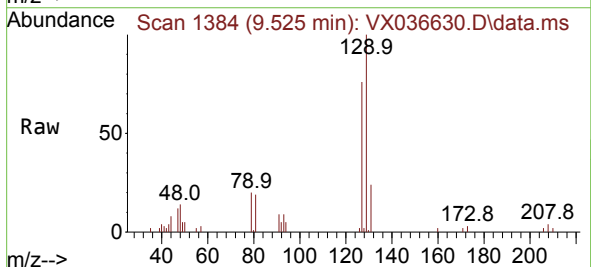
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

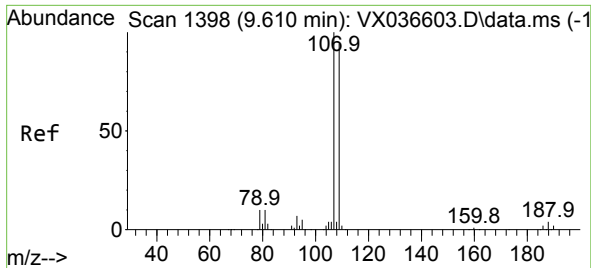
Tgt Ion: 43 Resp: 33179
Ion Ratio Lower Upper
43 100
58 55.1 26.2 78.5



#60
Dibromochloromethane
Concen: 2.432 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

Tgt Ion: 129 Resp: 6591
Ion Ratio Lower Upper
129 100
127 77.8 38.8 116.4

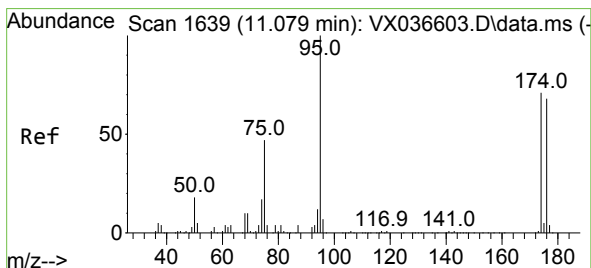
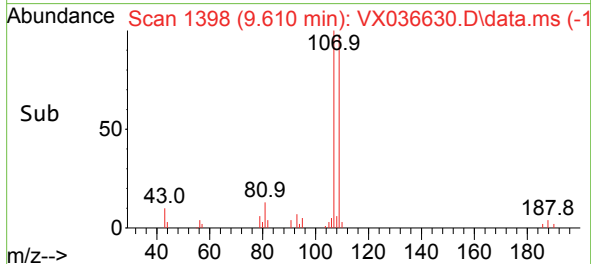
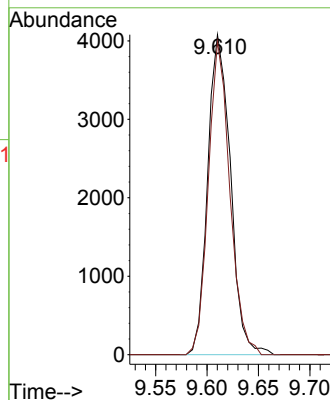
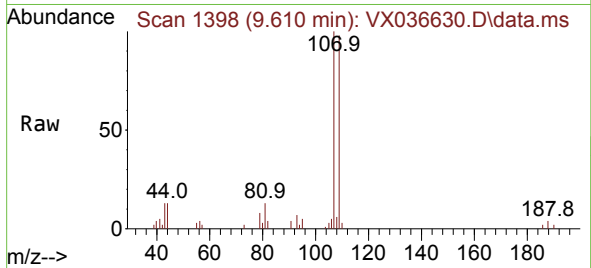




#61
1,2-Dibromoethane
Concen: 2.453 ug/l
RT: 9.610 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

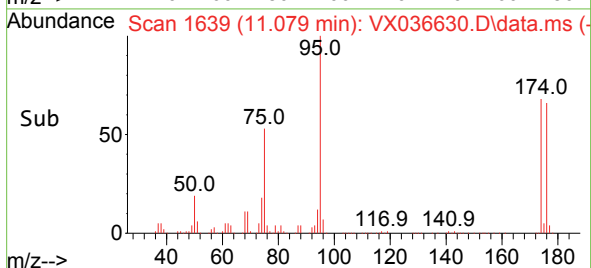
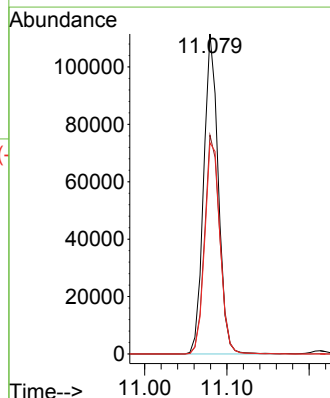
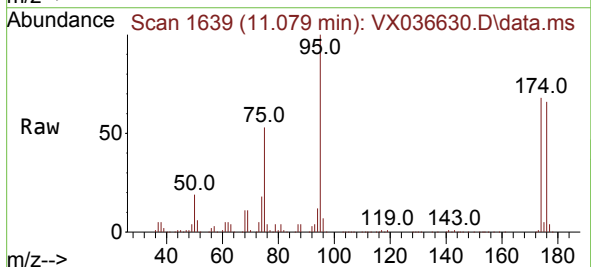
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

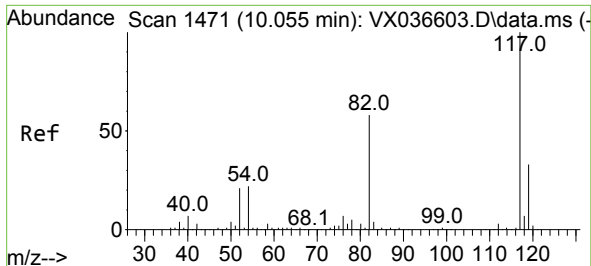
Tgt Ion:107 Resp: 6267
Ion Ratio Lower Upper
107 100
109 92.8 75.2 112.8



#62
4-Bromofluorobenzene
Concen: 47.578 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

Tgt Ion: 95 Resp: 137400
Ion Ratio Lower Upper
95 100
174 70.8 0.0 135.6
176 69.5 0.0 131.0

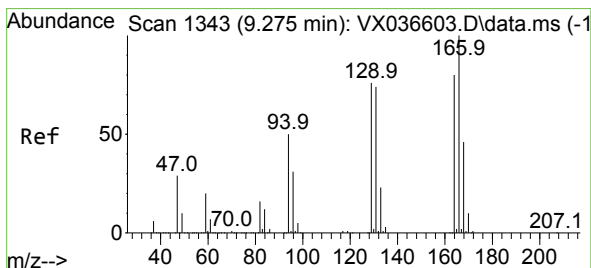
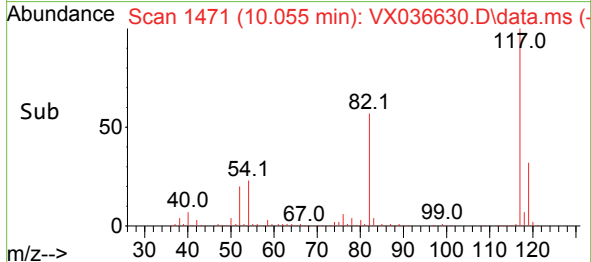
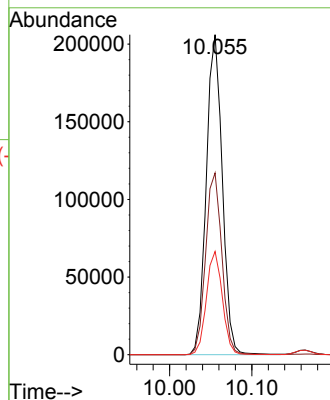
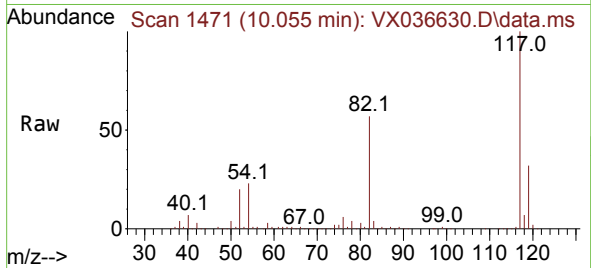




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

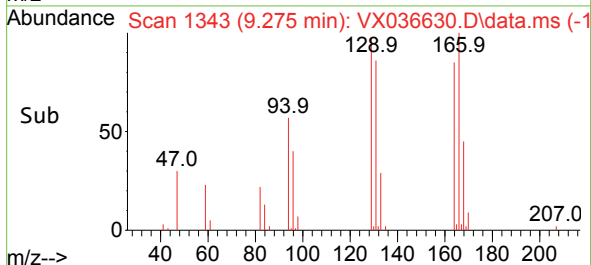
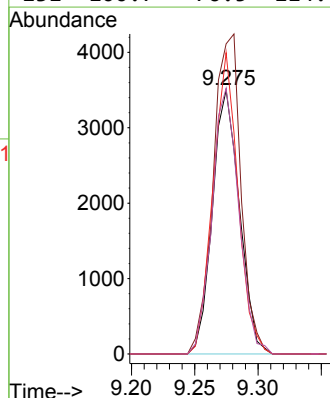
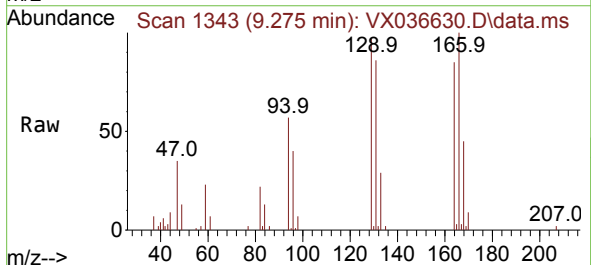
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT3-2023

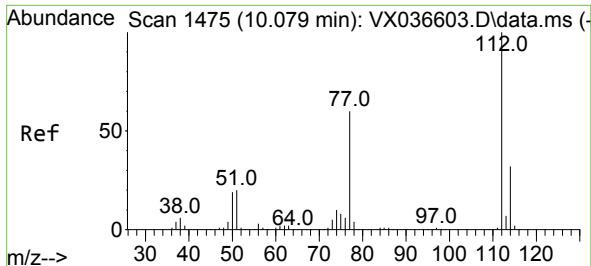
Tgt Ion:117 Resp: 278617
Ion Ratio Lower Upper
117 100
82 56.8 46.2 69.4
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 2.492 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

Tgt Ion:164 Resp: 5179
Ion Ratio Lower Upper
164 100
166 117.5 102.7 154.1
129 114.2 80.4 120.6
131 100.7 76.5 114.7

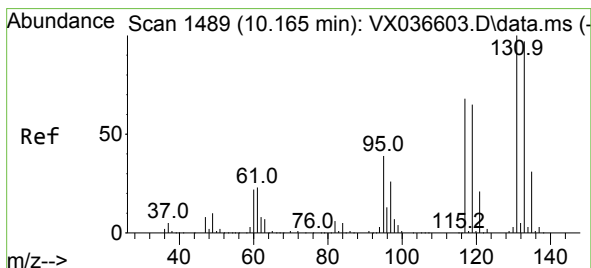
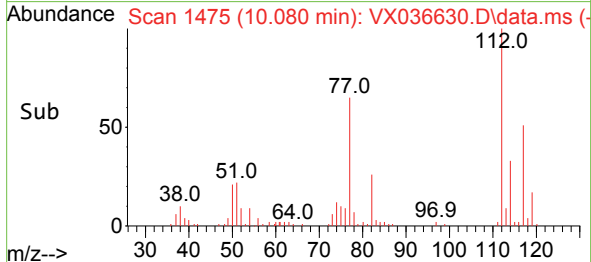
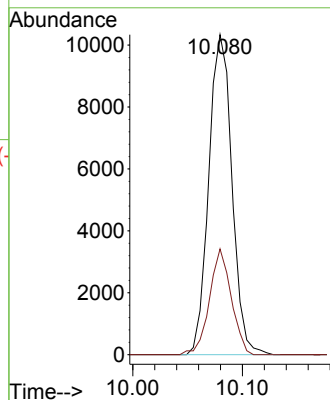
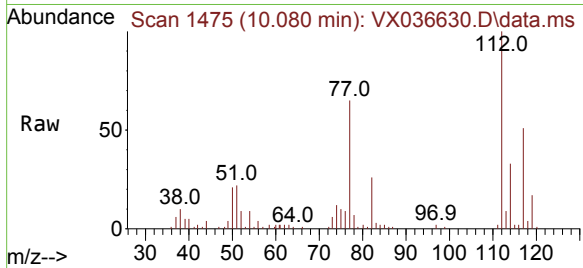




#65
Chlorobenzene
Concen: 2.473 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

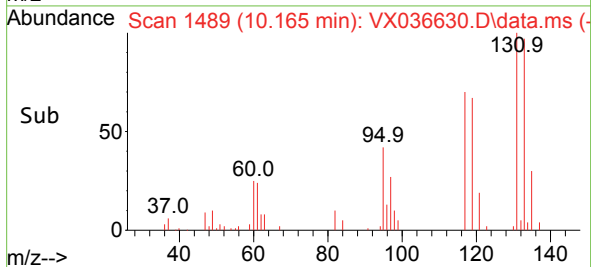
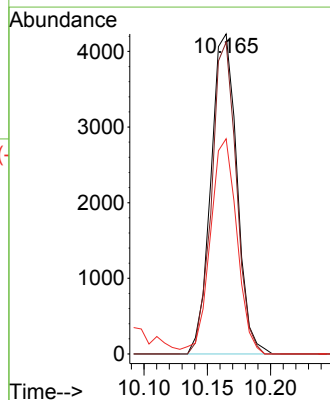
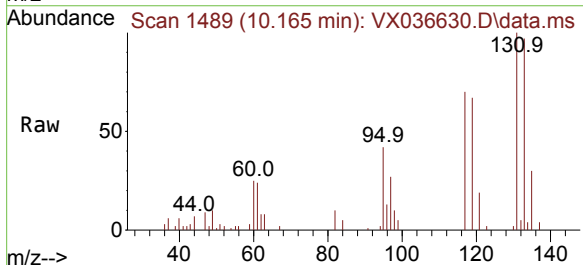
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT3-2023

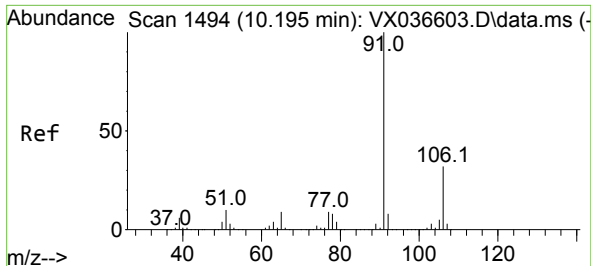
Tgt Ion:112 Resp: 15187
Ion Ratio Lower Upper
112 100
114 33.1 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 2.550 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

Tgt Ion:131 Resp: 6053
Ion Ratio Lower Upper
131 100
133 92.5 47.1 141.4
119 68.3 32.2 96.6





#67

Ethyl Benzene

Concen: 2.411 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

Instrument :

MSVOA_X

ClientSampleId :

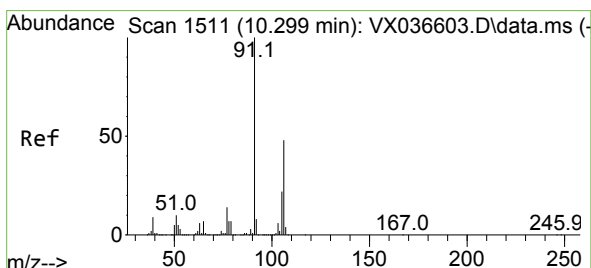
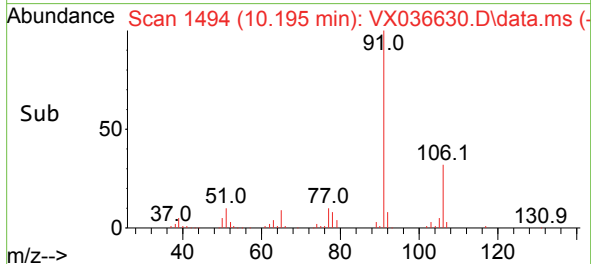
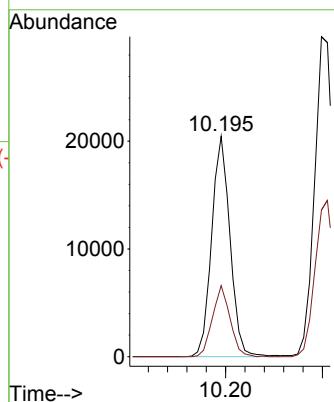
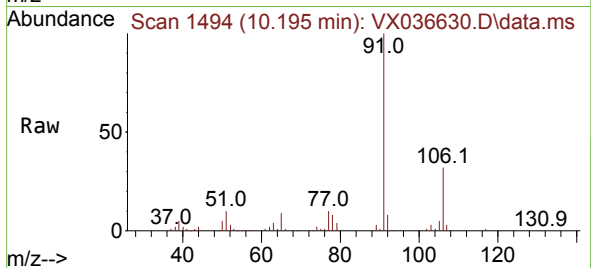
MDL-WATER-03-QT3-2023

Tgt Ion: 91 Resp: 27046

Ion Ratio Lower Upper

91 100

106 32.3 24.9 37.3



#68

m/p-Xylenes

Concen: 4.930 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX036630.D

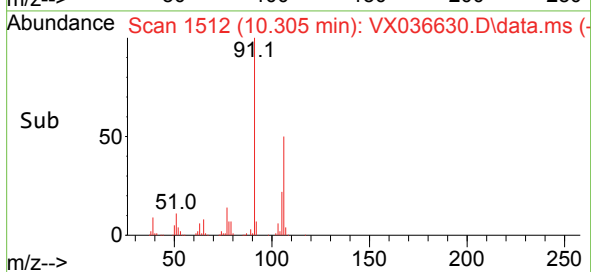
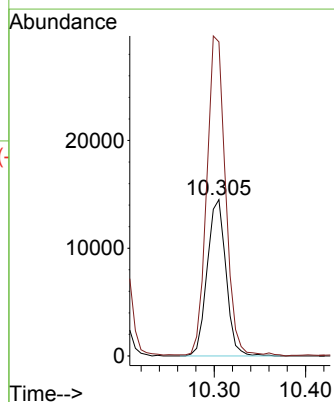
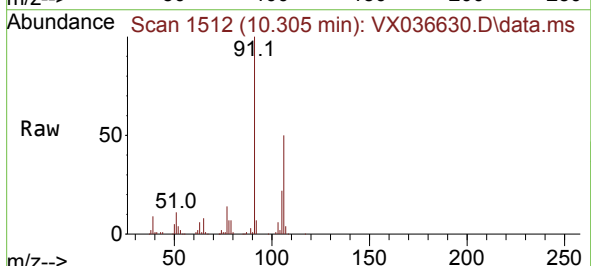
Acq: 24 Jul 2023 14:58

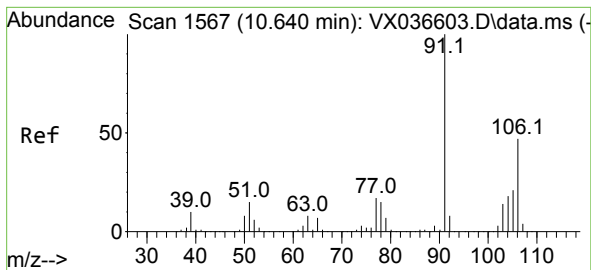
Tgt Ion: 106 Resp: 20638

Ion Ratio Lower Upper

106 100

91 205.7 165.5 248.3





#69

o-Xylene

Concen: 2.424 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

Instrument :

MSVOA_X

ClientSampleId :

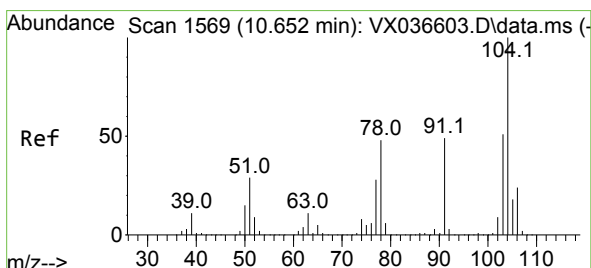
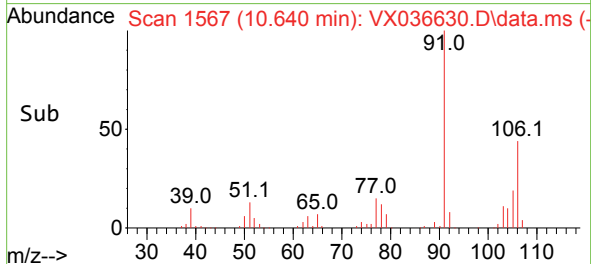
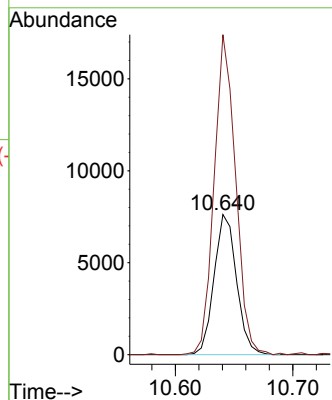
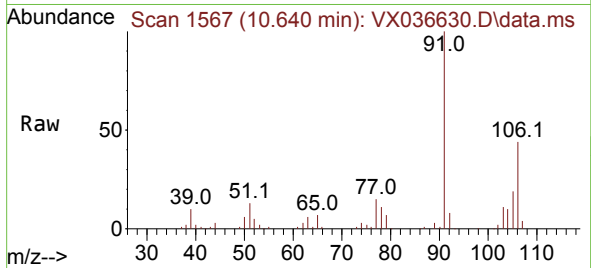
MDL-WATER-03-QT3-2023

Tgt Ion:106 Resp: 10127

Ion Ratio Lower Upper

106 100

91 218.5 108.9 326.8



#70

Styrene

Concen: 2.346 ug/l

RT: 10.659 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

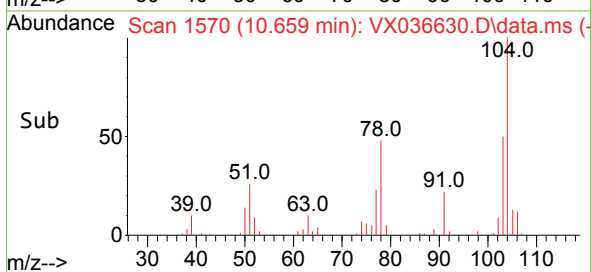
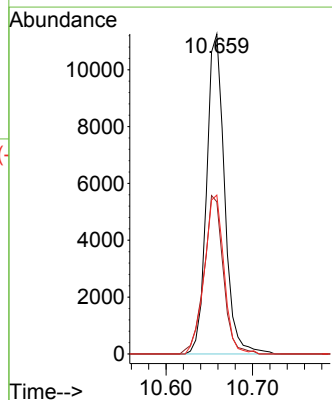
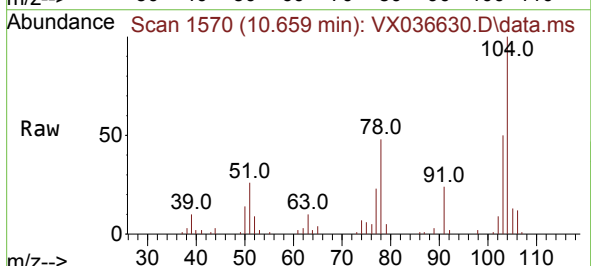
Tgt Ion:104 Resp: 16174

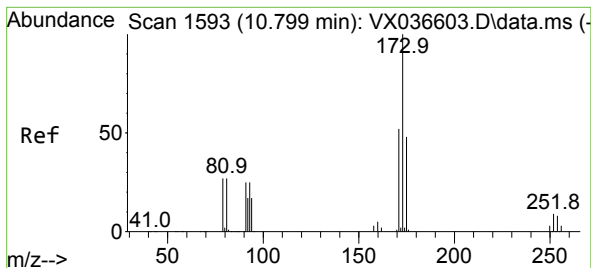
Ion Ratio Lower Upper

104 100

78 53.5 43.6 65.4

103 54.4 43.6 65.4





#71

Bromoform

Concen: 2.328 ug/l

RT: 10.799 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

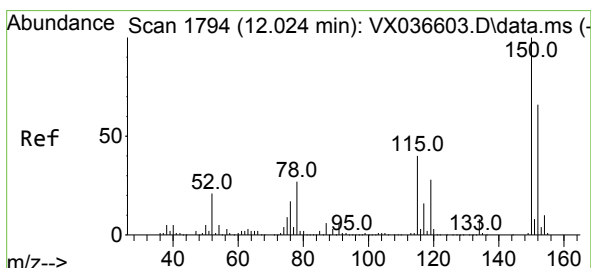
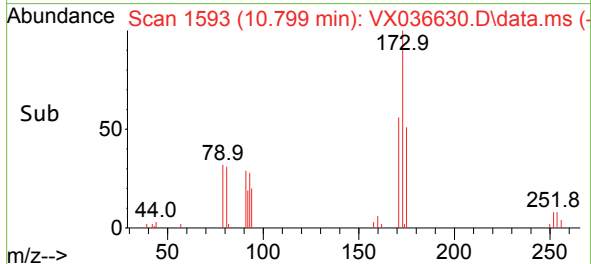
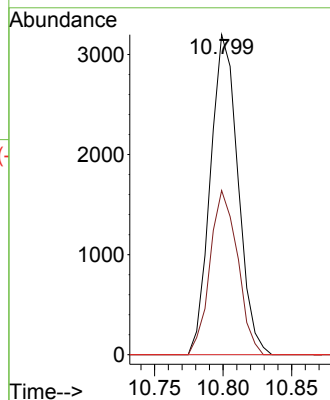
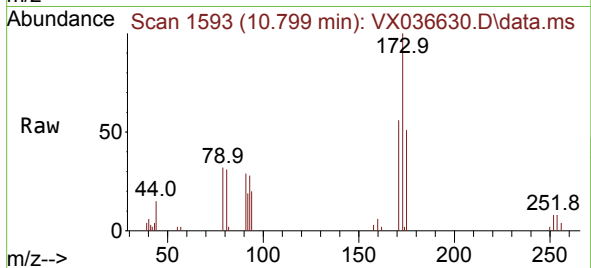
Tgt Ion:173 Resp: 4473

Ion Ratio Lower Upper

173 100

175 51.3 24.1 72.4

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

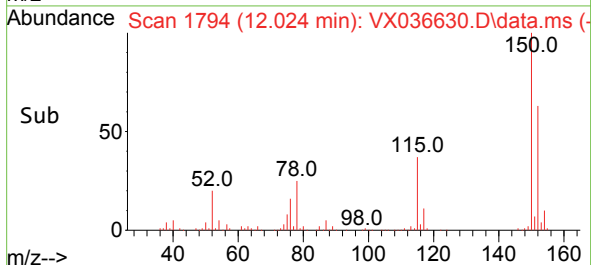
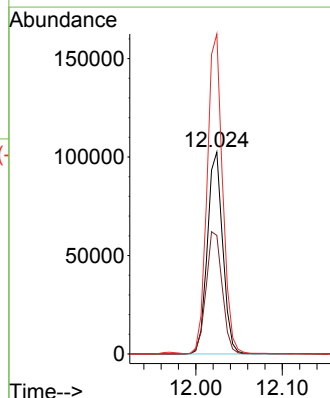
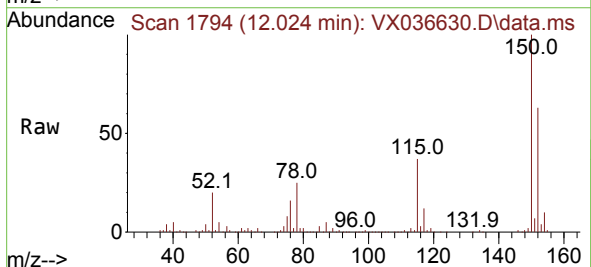
Tgt Ion:152 Resp: 126246

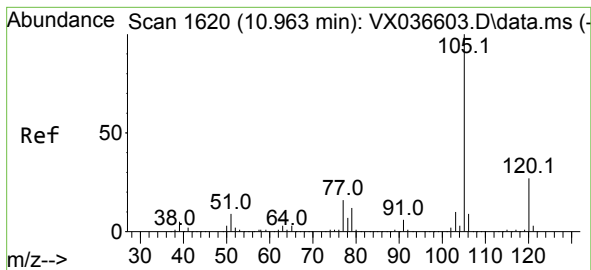
Ion Ratio Lower Upper

152 100

115 63.6 43.3 129.9

150 160.1 0.0 345.0





#73

Isopropylbenzene

Concen: 2.458 ug/l

RT: 10.964 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

Instrument :

MSVOA_X

ClientSampleId :

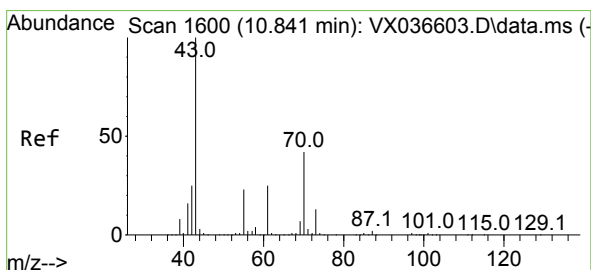
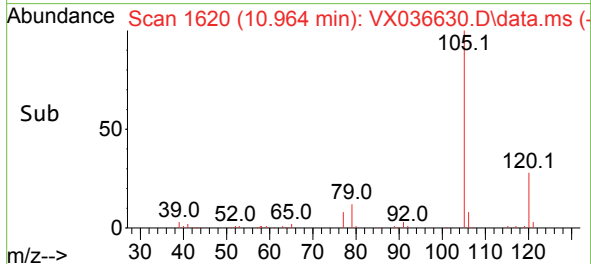
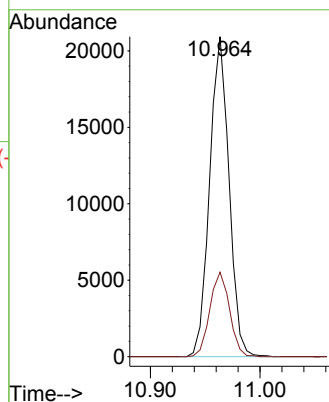
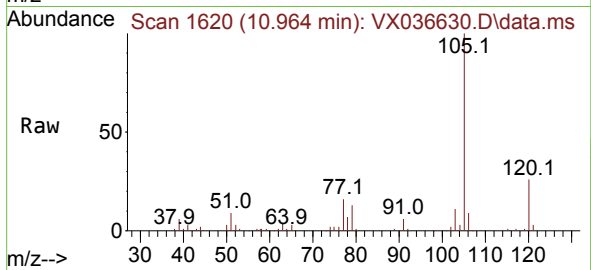
MDL-WATER-03-QT3-2023

Tgt Ion:105 Resp: 25681

Ion Ratio Lower Upper

105 100

120 26.8 12.9 38.6



#74

N-ethyl acetate

Concen: 2.452 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

Tgt Ion: 43 Resp: 11948

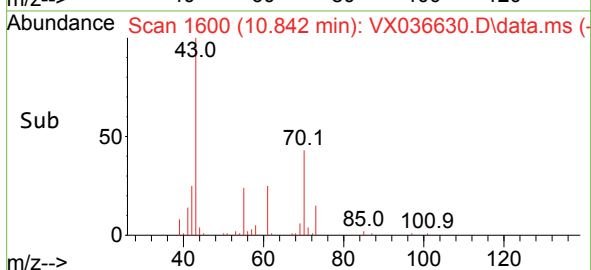
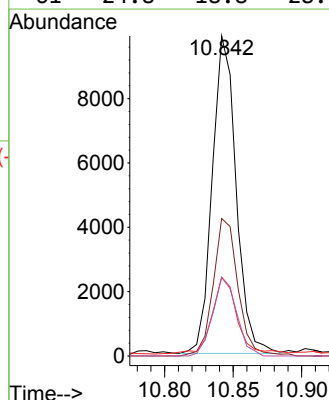
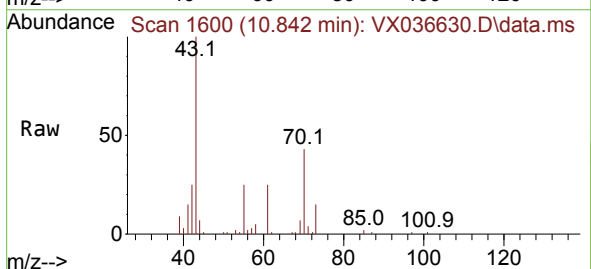
Ion Ratio Lower Upper

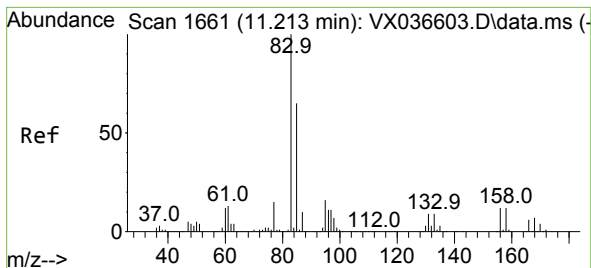
43 100

70 44.9 32.9 49.3

55 25.6 19.3 28.9

61 24.8 18.8 28.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.548 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

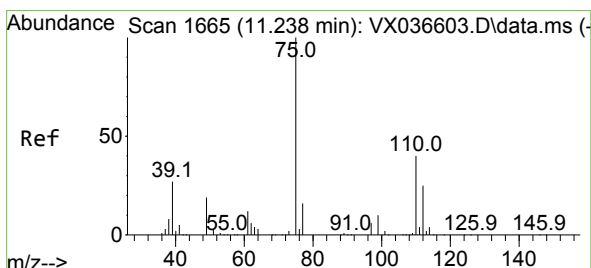
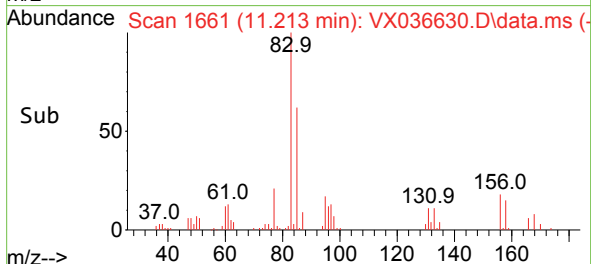
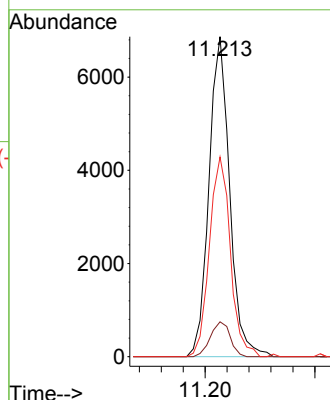
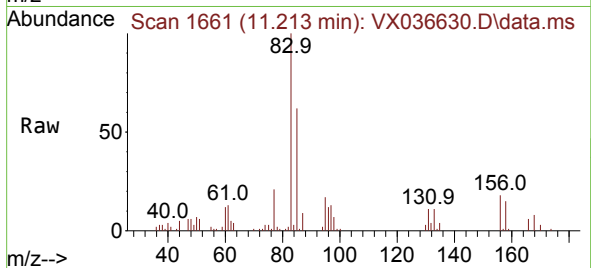
Tgt Ion: 83 Resp: 8993

Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.8

85 63.2 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 3.380 ug/l

RT: 11.244 min Scan# 1666

Delta R.T. 0.006 min

Lab File: VX036630.D

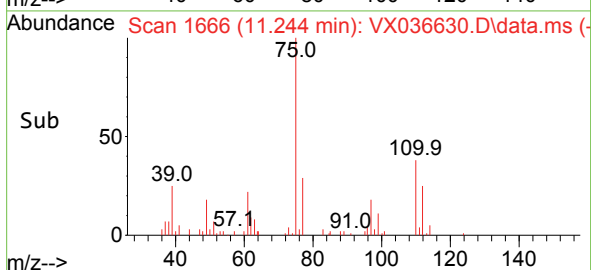
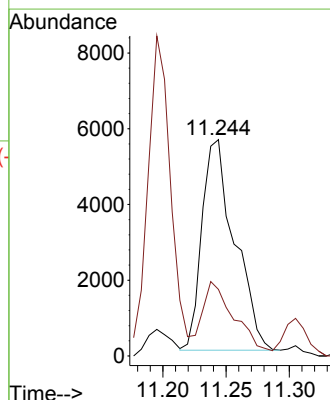
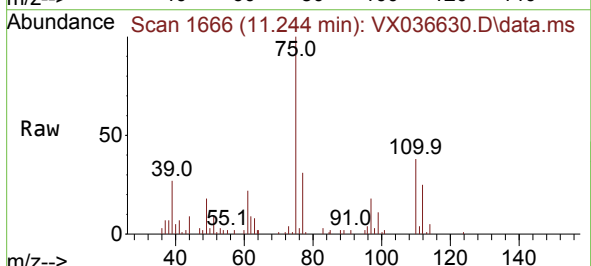
Acq: 24 Jul 2023 14:58

Tgt Ion: 75 Resp: 10036

Ion Ratio Lower Upper

75 100

77 36.2 19.1 57.5





#77

Bromobenzene

Concen: 2.647 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. 0.006 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

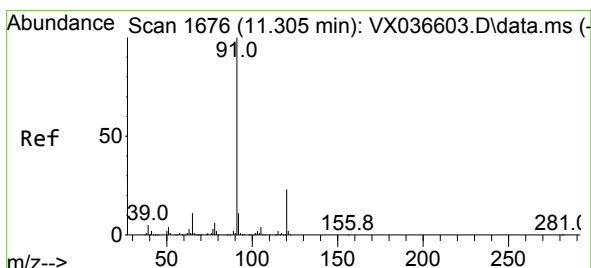
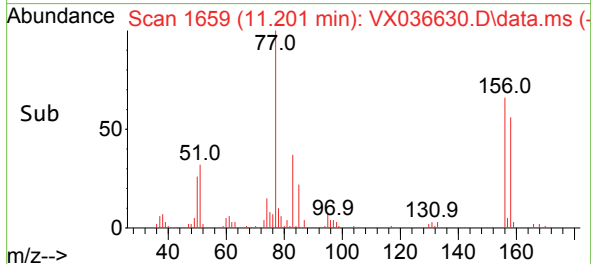
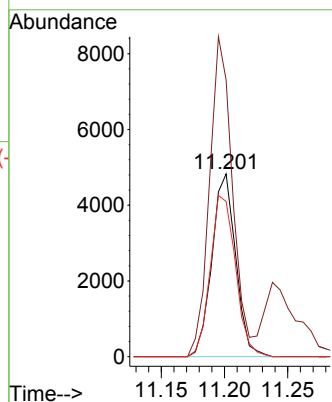
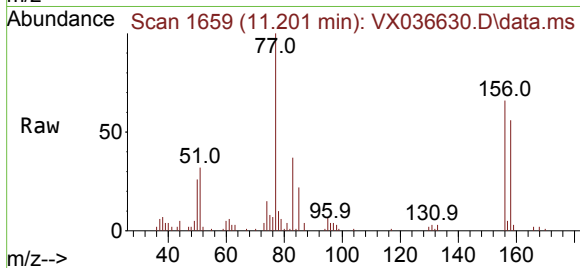
Tgt Ion:156 Resp: 6299

Ion Ratio Lower Upper

156 100

77 168.1 88.4 265.3

158 93.5 48.0 144.0



#78

n-propylbenzene

Concen: 2.420 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX036630.D

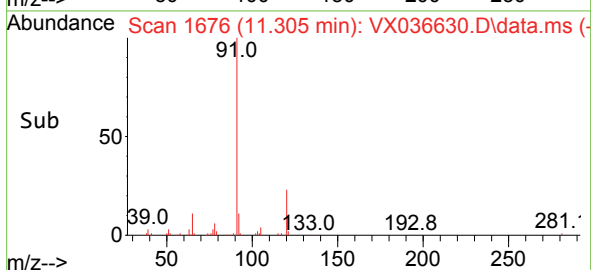
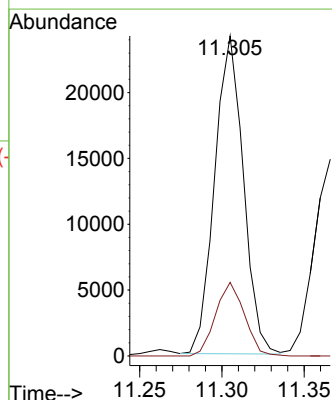
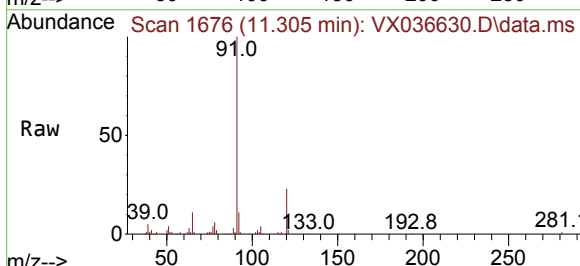
Acq: 24 Jul 2023 14:58

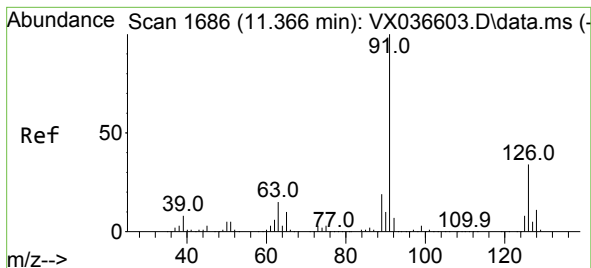
Tgt Ion: 91 Resp: 29241

Ion Ratio Lower Upper

91 100

120 23.3 11.5 34.4





#79

2-Chlorotoluene

Concen: 2.516 ug/l

RT: 11.366 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

Instrument :

MSVOA_X

ClientSampleId :

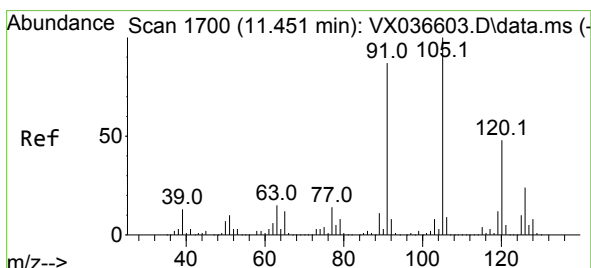
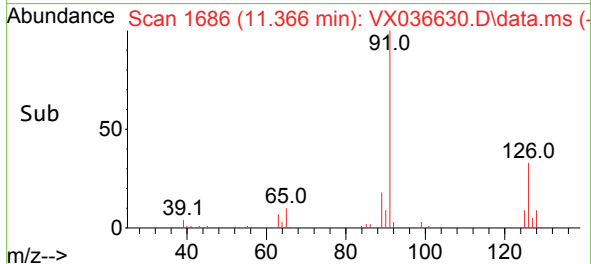
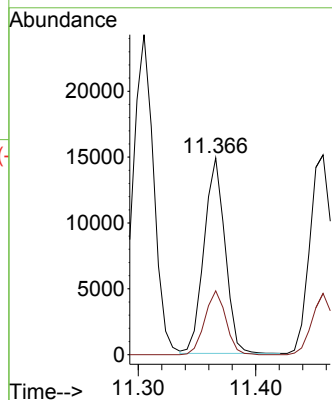
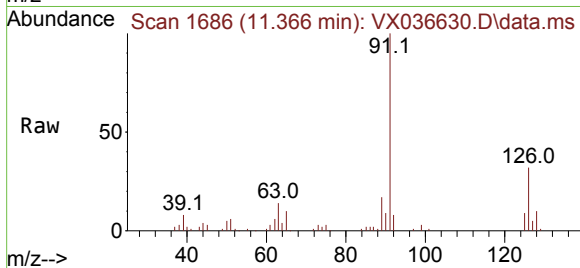
MDL-WATER-03-QT3-2023

Tgt Ion: 91 Resp: 18421

Ion Ratio Lower Upper

91 100

126 32.8 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 2.559 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX036630.D

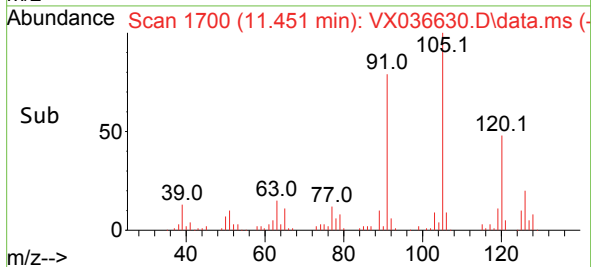
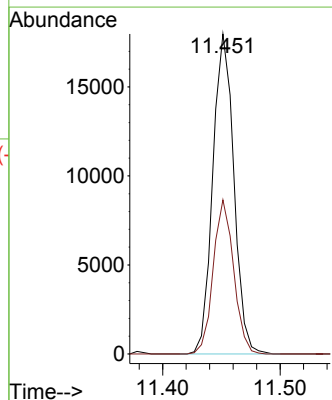
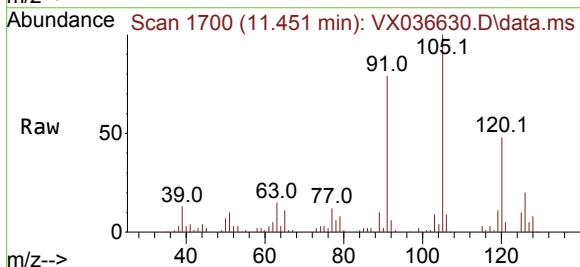
Acq: 24 Jul 2023 14:58

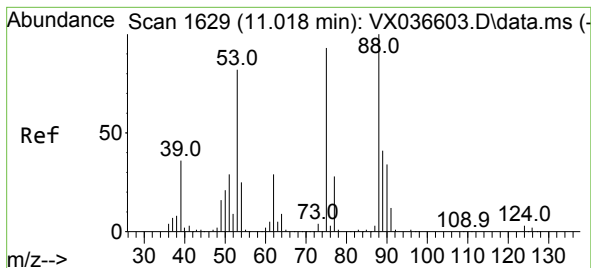
Tgt Ion: 105 Resp: 22370

Ion Ratio Lower Upper

105 100

120 46.7 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 2.273 ug/l

RT: 11.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

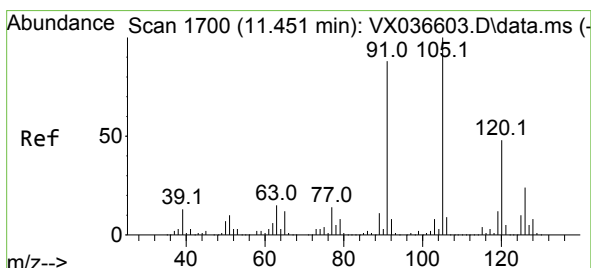
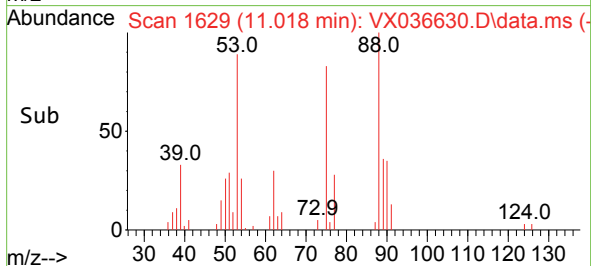
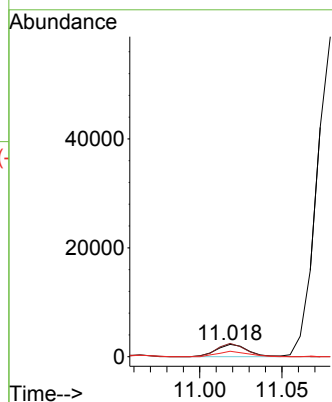
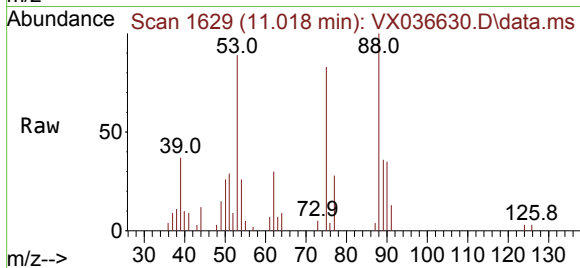
Tgt Ion: 75 Resp: 2978

Ion Ratio Lower Upper

75 100

53 101.9 90.5 135.7

89 41.8 36.9 55.3



#82

4-Chlorotoluene

Concen: 2.444 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX036630.D

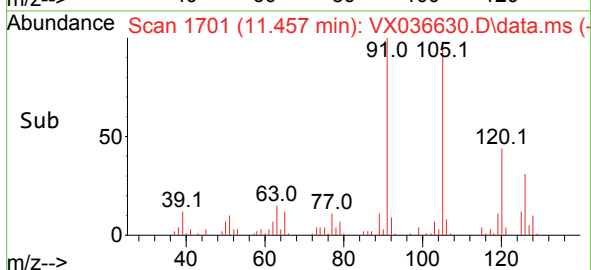
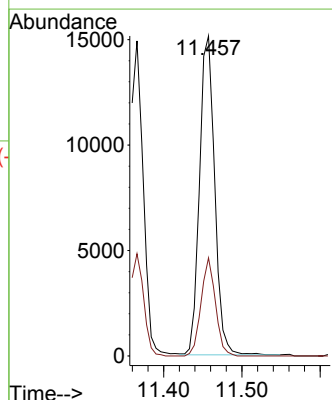
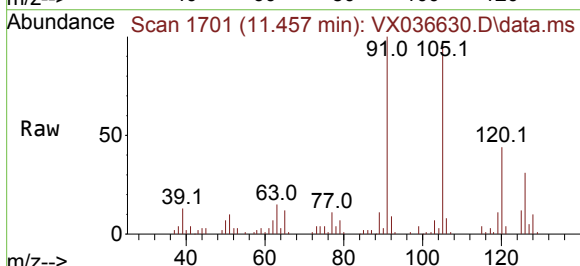
Acq: 24 Jul 2023 14:58

Tgt Ion: 91 Resp: 20388

Ion Ratio Lower Upper

91 100

126 29.1 14.2 42.6





#83

tert-Butylbenzene

Concen: 2.557 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

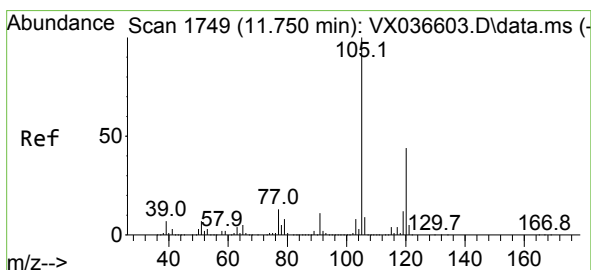
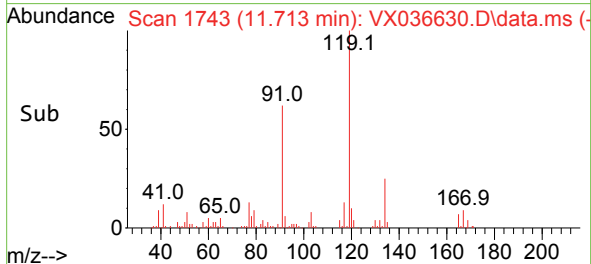
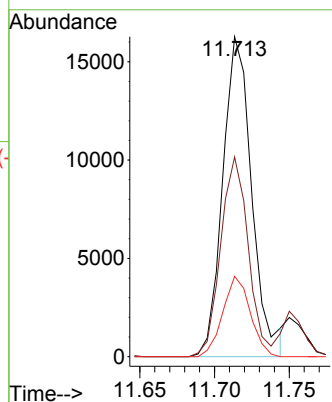
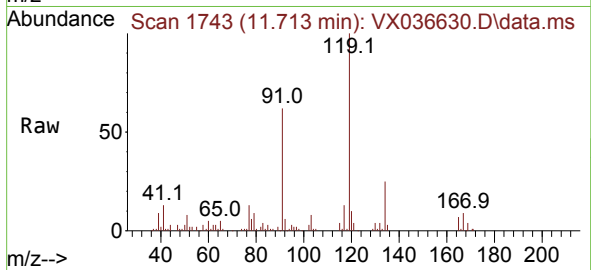
Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion:	119	Resp:	21954
Ion	Ratio	Lower	Upper
119	100		
91	59.4	31.2	93.6
134	23.9	11.7	35.0



#84

1,2,4-Trimethylbenzene

Concen: 2.519 ug/l

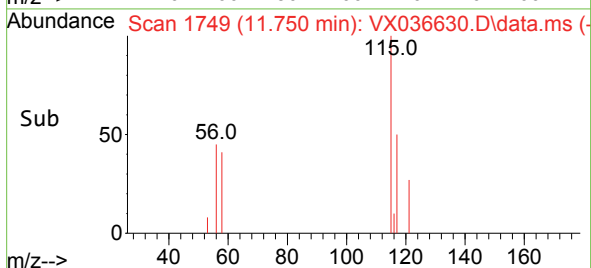
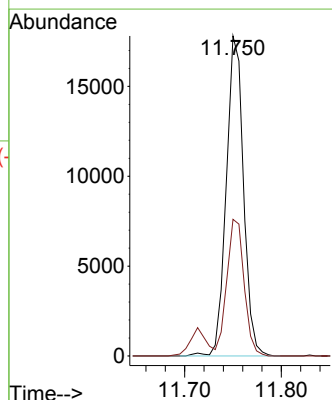
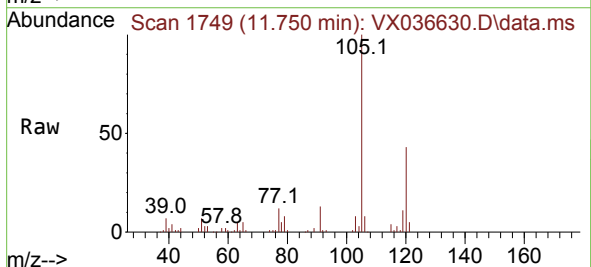
RT: 11.750 min Scan# 1749

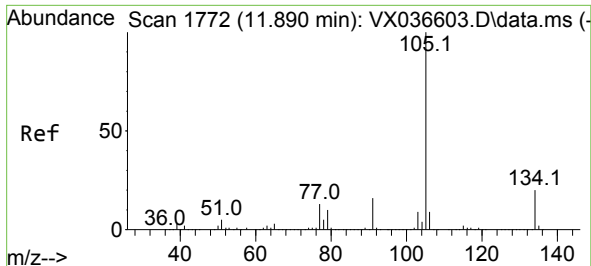
Delta R.T. 0.000 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

Tgt Ion:	105	Resp:	22022
Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.2	63.6

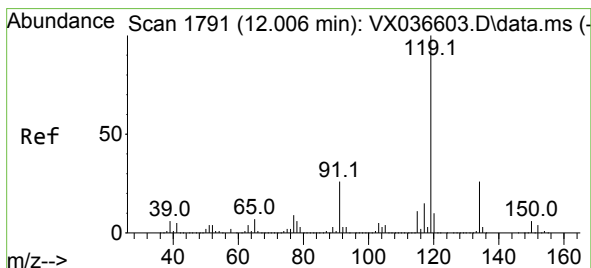
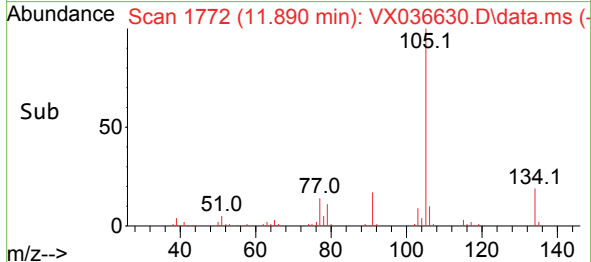
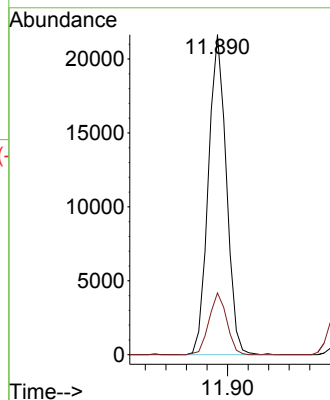
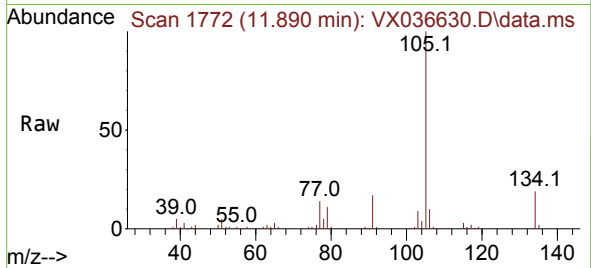




#85
 sec-Butylbenzene
 Concen: 2.453 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX036630.D
 Acq: 24 Jul 2023 14:58

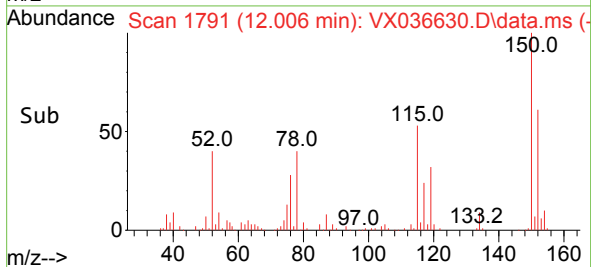
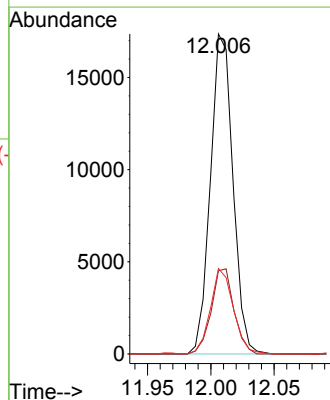
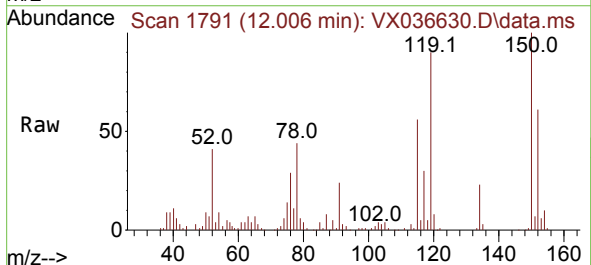
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2023

Tgt Ion:105 Resp: 26269
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 2.437 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX036630.D
 Acq: 24 Jul 2023 14:58

Tgt Ion:119 Resp: 21472
 Ion Ratio Lower Upper
 119 100
 134 26.9 12.8 38.3
 91 27.2 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 2.446 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

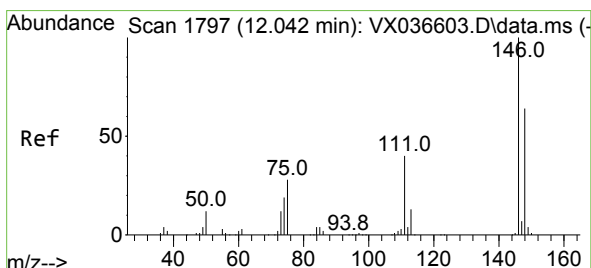
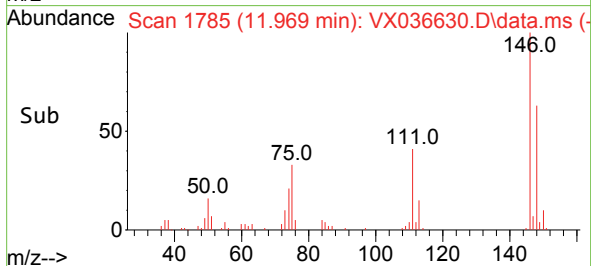
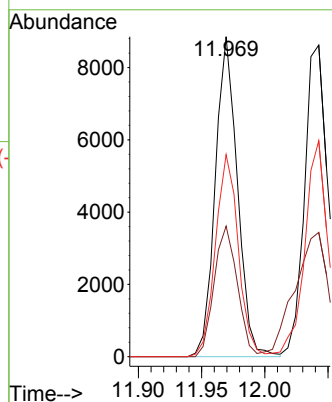
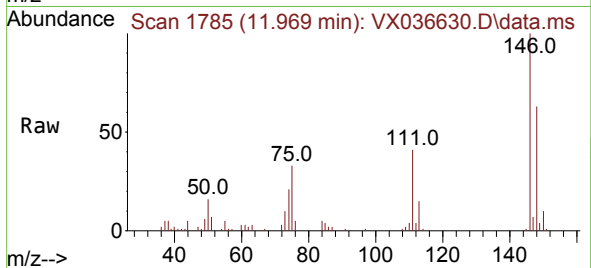
Tgt Ion:146 Resp: 10779

Ion Ratio Lower Upper

146 100

111 42.6 22.1 66.1

148 65.0 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 2.552 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

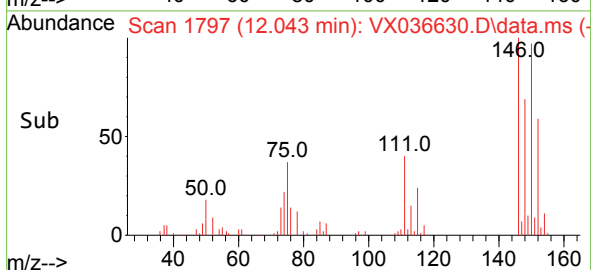
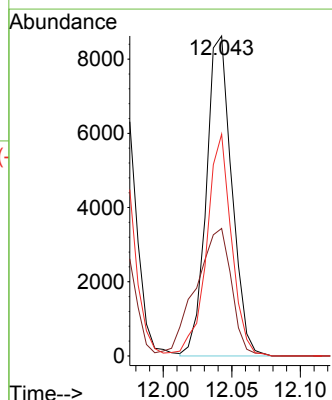
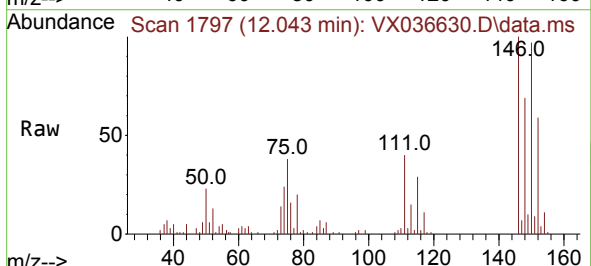
Tgt Ion:146 Resp: 11161

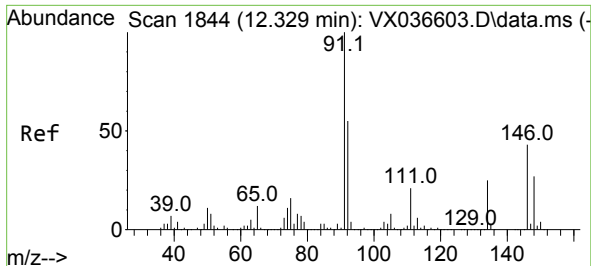
Ion Ratio Lower Upper

146 100

111 56.2 21.3 63.7

148 68.0 31.8 95.4





#89

n-Butylbenzene

Concen: 2.276 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

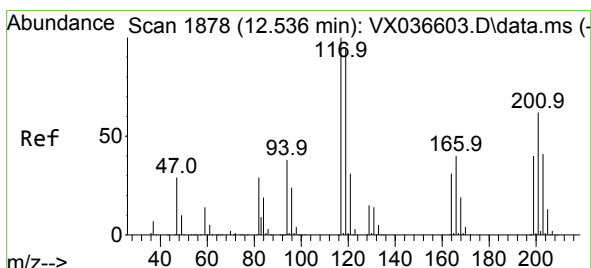
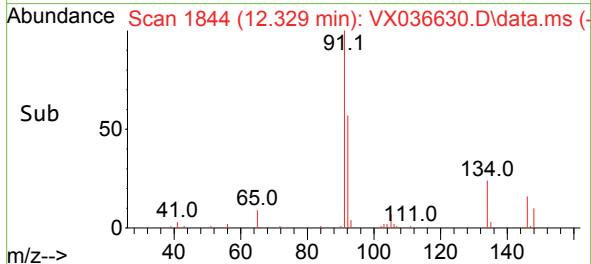
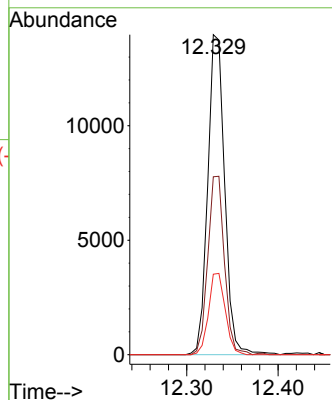
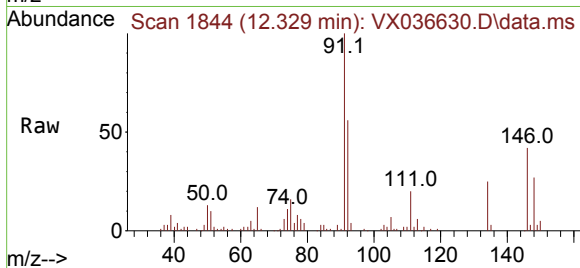
Tgt Ion: 91 Resp: 17950

Ion Ratio Lower Upper

91 100

92 54.7 27.4 82.0

134 25.1 12.6 37.8



#90

Hexachloroethane

Concen: 2.407 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX036630.D

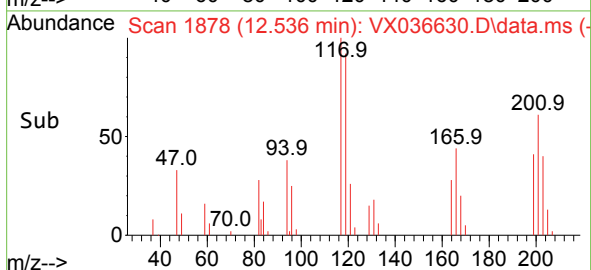
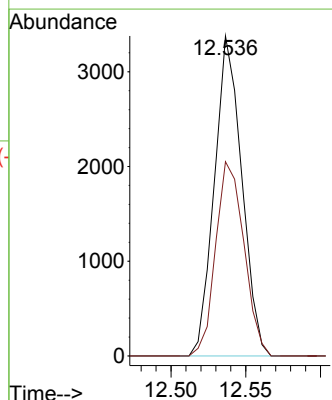
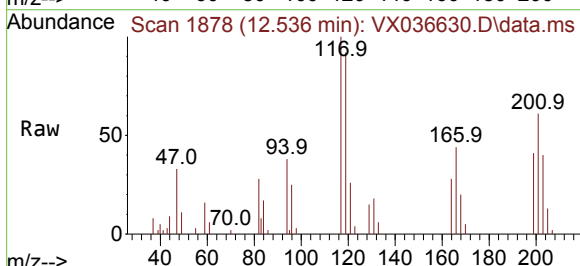
Acq: 24 Jul 2023 14:58

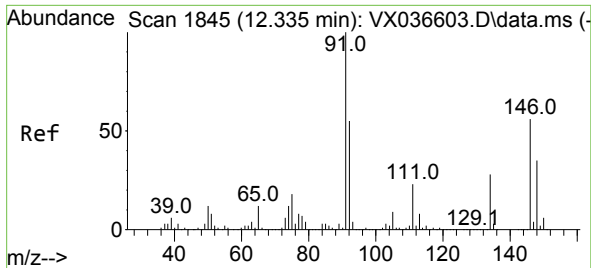
Tgt Ion: 117 Resp: 4299

Ion Ratio Lower Upper

117 100

201 62.8 32.9 98.6

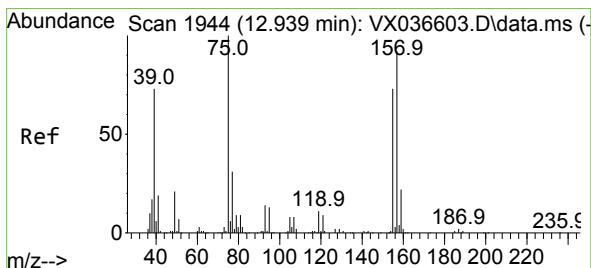
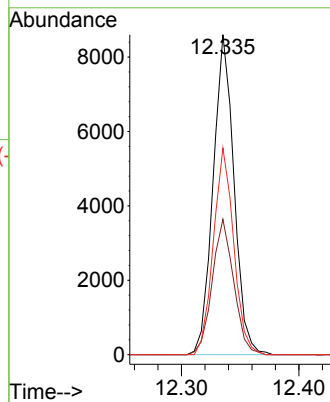
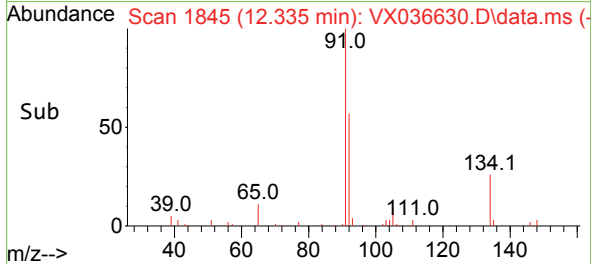
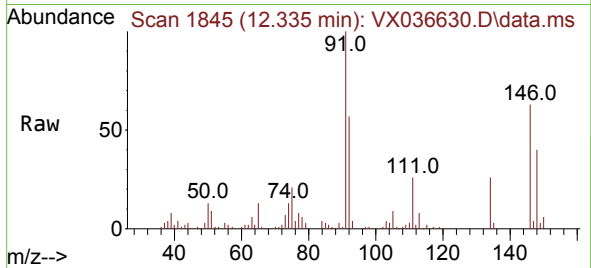




#91
1,2-Dichlorobenzene
Concen: 2.500 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

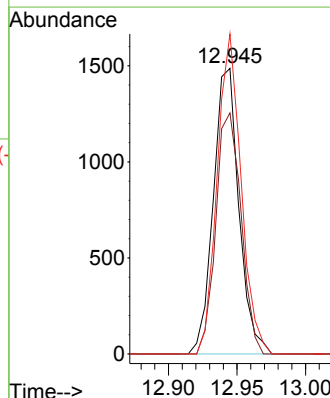
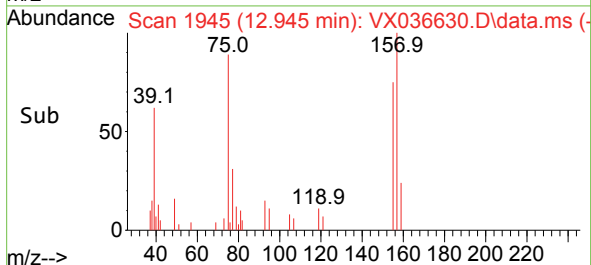
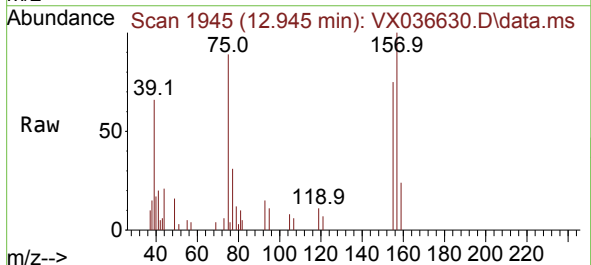
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT3-2023

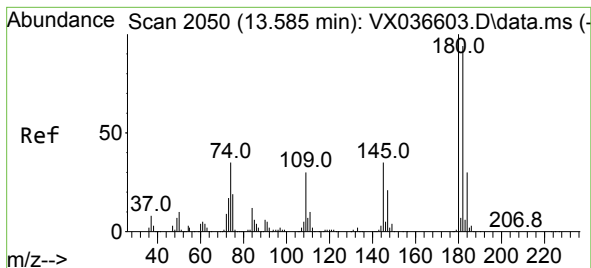
Tgt Ion:146 Resp: 10630
Ion Ratio Lower Upper
146 100
111 43.5 22.4 67.0
148 63.1 31.6 95.0



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.354 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX036630.D
Acq: 24 Jul 2023 14:58

Tgt Ion: 75 Resp: 1930
Ion Ratio Lower Upper
75 100
155 83.3 36.1 108.5
157 104.6 44.9 134.7





#93

1,2,4-Trichlorobenzene

Concen: 2.310 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

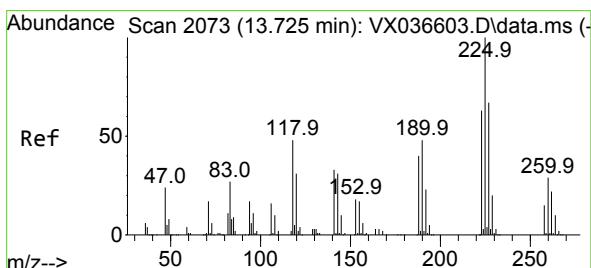
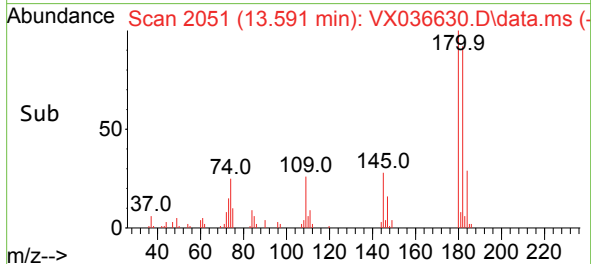
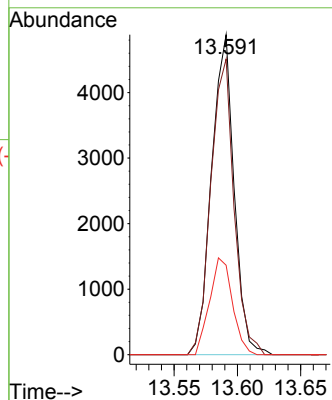
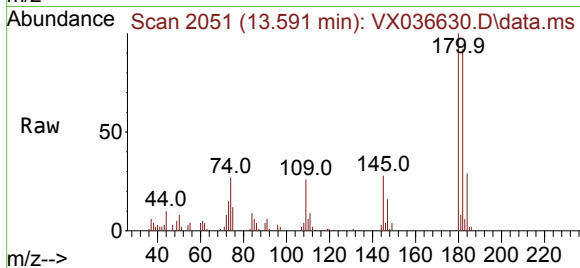
Tgt Ion:180 Resp: 6052

Ion Ratio Lower Upper

180 100

182 94.9 48.3 144.8

145 30.7 18.0 54.0



#94

Hexachlorobutadiene

Concen: 2.246 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

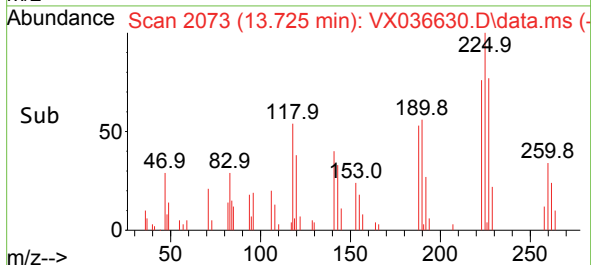
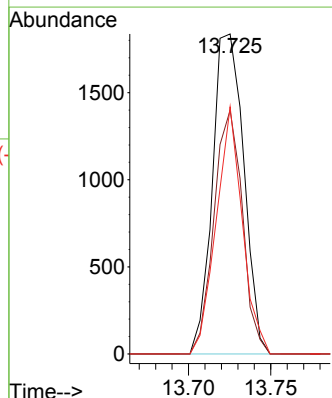
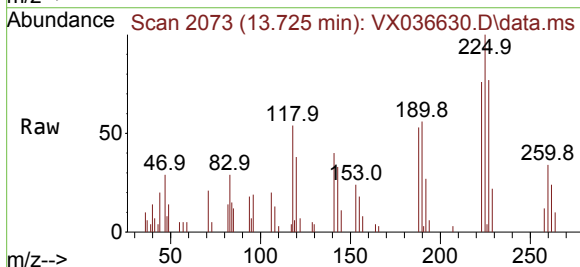
Tgt Ion:225 Resp: 2434

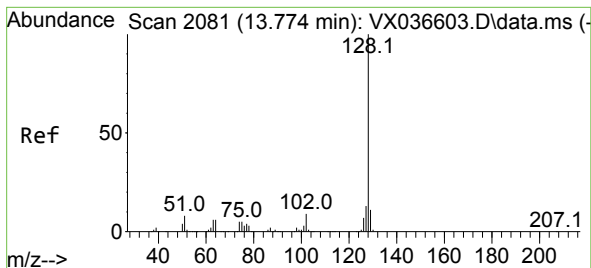
Ion Ratio Lower Upper

225 100

223 69.2 31.1 93.2

227 64.6 32.5 97.5





#95

Naphthalene

Concen: 2.333 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

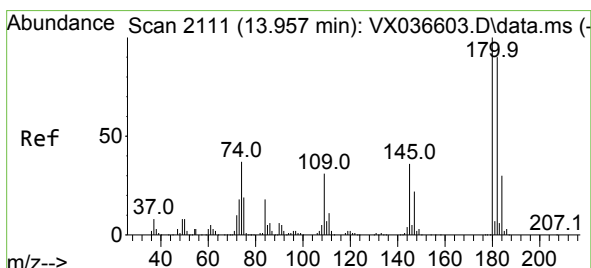
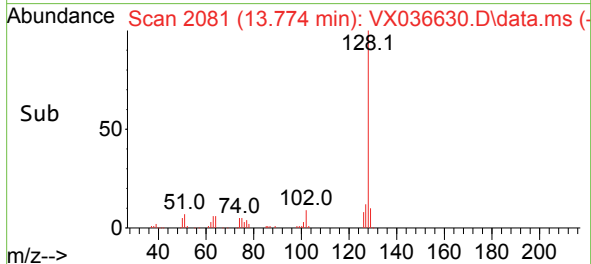
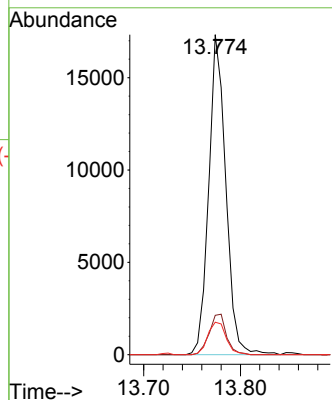
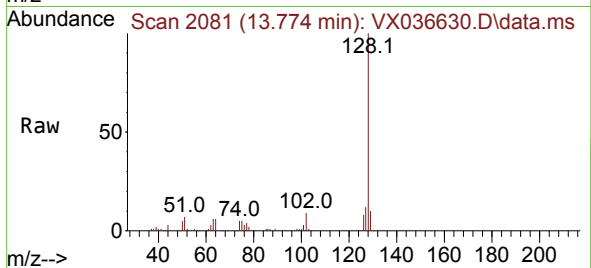
Tgt Ion:128 Resp: 21300

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 11.0 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 2.275 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX036630.D

Acq: 24 Jul 2023 14:58

Tgt Ion:180 Resp: 5874

Ion Ratio Lower Upper

180 100

182 95.1 46.9 140.6

145 37.0 17.8 53.5

