

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072423\
 Data File : VX036629.D
 Acq On : 24 Jul 2023 14:35
 Operator : JC/MD
 Sample : 03572-09 0.75PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Jul 25 08:00:24 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	173681	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	301837	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	271557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	126404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	128409	49.967	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.940%
35) Dibromofluoromethane	5.385	113	102912	49.604	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.200%
50) Toluene-d8	8.647	98	363957	49.469	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.940%
62) 4-Bromofluorobenzene	11.079	95	138280	49.817	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1653	0.720	ug/l	98
3) Chloromethane	1.294	50	1796	0.861	ug/l	92
4) Vinyl Chloride	1.374	62	1623	0.764	ug/l	94
5) Bromomethane	1.611	94	1533	1.209	ug/l #	72
6) Chloroethane	1.685	64	959	0.928	ug/l	93
7) Trichlorofluoromethane	1.886	101	2517	0.767	ug/l	94
8) Diethyl Ether	2.130	74	1016	0.800	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	1405	0.713	ug/l	100
10) Methyl Iodide	2.453	142	1296	0.633	ug/l #	91
11) Tert butyl alcohol	2.995	59	2481	4.078	ug/l #	87
12) 1,1-Dichloroethene	2.325	96	1617	0.831	ug/l #	76
13) Acrolein	2.239	56	1596	4.597	ug/l	90
14) Allyl chloride	2.666	41	2949	0.770	ug/l	92
15) Acrylonitrile	3.075	53	4842	3.957	ug/l	95
16) Acetone	2.386	43	4682	4.390	ug/l	98
17) Carbon Disulfide	2.514	76	4575	0.852	ug/l #	92
18) Methyl Acetate	2.709	43	3757	0.837	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	5799	0.793	ug/l	97
20) Methylene Chloride	2.788	84	2391	1.008	ug/l #	84
21) trans-1,2-Dichloroethene	3.093	96	1561	0.718	ug/l	98
22) Diisopropyl ether	3.757	45	5550	0.763	ug/l #	59
23) Vinyl Acetate	3.727	43	20328	3.645	ug/l #	93
24) 1,1-Dichloroethane	3.611	63	3073	0.754	ug/l #	91
25) 2-Butanone	4.574	43	6613	3.822	ug/l	96
26) 2,2-Dichloropropane	4.477	77	2777	0.723	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	1830	0.709	ug/l	92
28) Bromochloromethane	4.910	49	1471	0.746	ug/l #	98
29) Tetrahydrofuran	5.019	42	4060	3.640	ug/l #	89
30) Chloroform	5.105	83	3424	0.821	ug/l	89
31) Cyclohexane	5.477	56	2963	0.833	ug/l	93
32) 1,1,1-Trichloroethane	5.391	97	2955	0.773	ug/l #	49
36) 1,1-Dichloropropene	5.696	75	2223	0.719	ug/l	93
37) Ethyl Acetate	4.727	43	2494	0.713	ug/l #	94
38) Carbon Tetrachloride	5.672	117	2464	0.750	ug/l	89
39) Methylcyclohexane	7.385	83	2845	0.740	ug/l #	84
40) Benzene	6.044	78	6575	0.731	ug/l	92

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	1445	0.772	ug/l #	72
42) 1,2-Dichloroethane	6.092	62	2749	0.836	ug/l	93
43) Isopropyl Acetate	6.355	43	4646	0.771	ug/l	98
44) Trichloroethene	7.129	130	1611	0.685	ug/l	83
45) 1,2-Dichloropropane	7.440	63	1696	0.706	ug/l	93
46) Dibromomethane	7.592	93	1308	0.778	ug/l	97
47) Bromodichloromethane	7.830	83	2610	0.756	ug/l	99
48) Methyl methacrylate	7.696	41	1887	0.673	ug/l #	79
49) 1,4-Dioxane	7.714	88	781	13.798	ug/l #	97
51) 4-Methyl-2-Pentanone	8.574	43	13063	3.918	ug/l	99
52) Toluene	8.720	92	4212	0.747	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	2665	0.683	ug/l	95
54) cis-1,3-Dichloropropene	8.372	75	2881	0.700	ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	1723	0.727	ug/l #	90
56) Ethyl methacrylate	9.122	69	2859	0.741	ug/l	97
57) 1,3-Dichloropropane	9.311	76	2848	0.722	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	6802	3.578	ug/l	100
59) 2-Hexanone	9.433	43	9165	3.704	ug/l	96
60) Dibromochloromethane	9.525	129	1800	0.691	ug/l	100
61) 1,2-Dibromoethane	9.610	107	1822	0.742	ug/l	99
64) Tetrachloroethene	9.275	164	1505	0.743	ug/l	92
65) Chlorobenzene	10.079	112	4413	0.737	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	1734	0.749	ug/l #	65
67) Ethyl Benzene	10.195	91	8022	0.734	ug/l	94
68) m/p-Xylenes	10.305	106	5810	1.424	ug/l	96
69) o-Xylene	10.640	106	3006	0.738	ug/l	95
70) Styrene	10.659	104	4748	0.707	ug/l	96
71) Bromoform	10.799	173	1393	0.744	ug/l #	92
73) Isopropylbenzene	10.963	105	7349	0.703	ug/l	96
74) N-amyl acetate	10.842	43	3446	0.706	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	2689	0.761	ug/l	95
76) 1,2,3-Trichloropropane	11.244	75	3215	1.081	ug/l	96
77) Bromobenzene	11.195	156	1785	0.749	ug/l	99
78) n-propylbenzene	11.305	91	8984	0.743	ug/l	97
79) 2-Chlorotoluene	11.366	91	5319	0.726	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	6332	0.724	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.079	75	71142	54.234	ug/l #	5
82) 4-Chlorotoluene	11.457	91	6030	0.722	ug/l	100
83) tert-Butylbenzene	11.713	119	6426	0.747	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	5800	0.663	ug/l	90
85) sec-Butylbenzene	11.890	105	7410	0.691	ug/l	98
86) p-Isopropyltoluene	12.006	119	6499	0.737	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	3228	0.732	ug/l	99
88) 1,4-Dichlorobenzene	11.969	146	3228	0.737	ug/l	98
89) n-Butylbenzene	12.335	91	5083	0.644	ug/l	99
90) Hexachloroethane	12.536	117	1170	0.654	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	2976	0.699	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.939	75	564	0.687	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	1795	0.684	ug/l	97
94) Hexachlorobutadiene	13.719	225	709	0.653	ug/l	91
95) Naphthalene	13.774	128	6138	0.671	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	1661	0.642	ug/l	95

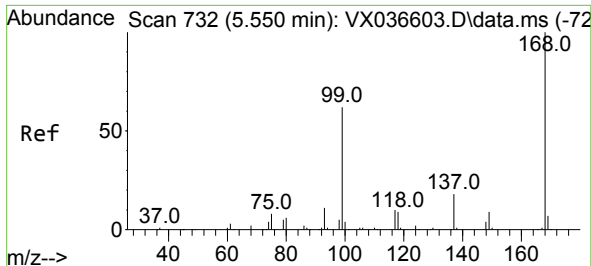
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX036629.D

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Instrument :

MSVOA_X

ClientSampleId :

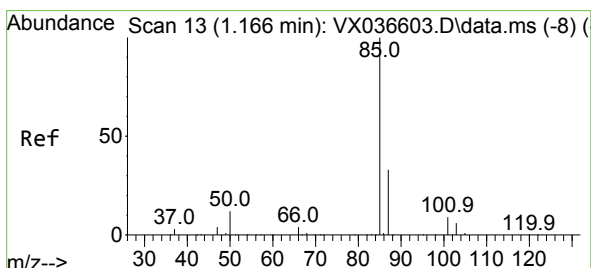
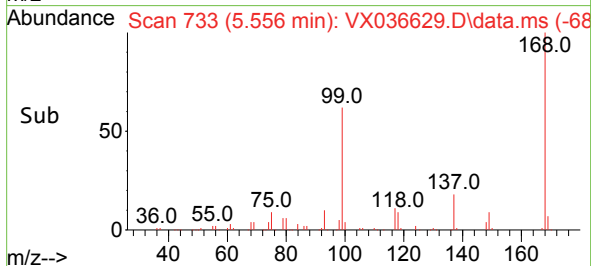
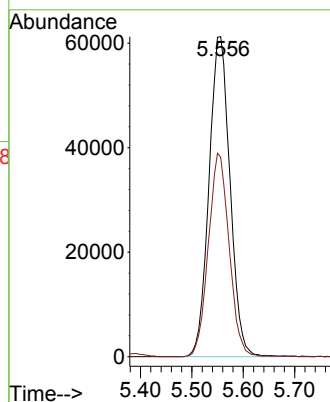
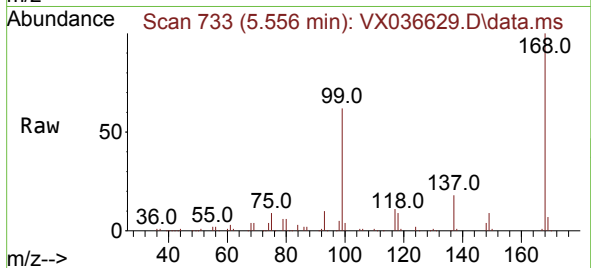
MDL-WATER-03-QT3-2023

Tgt Ion:168 Resp: 173681

Ion Ratio Lower Upper

168 100

99 62.4 56.6 85.0



#2

Dichlorodifluoromethane

Concen: 0.720 ug/l

RT: 1.166 min Scan# 13

Delta R.T. 0.000 min

Lab File: VX036629.D

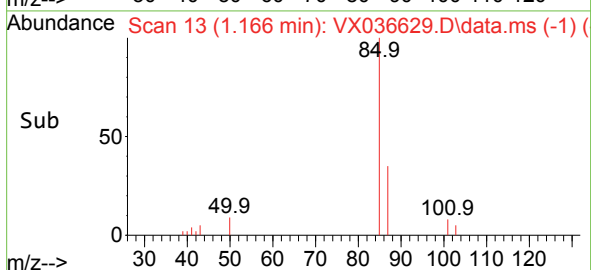
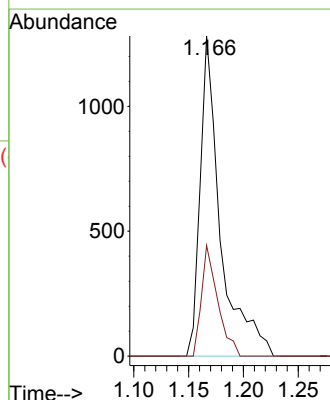
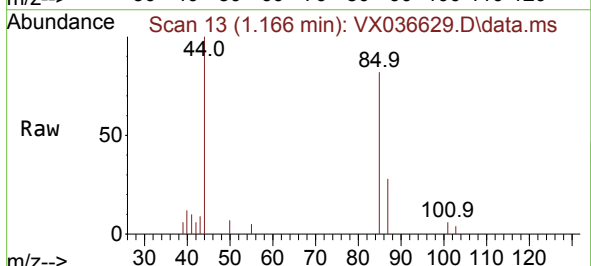
Acq: 24 Jul 2023 14:35

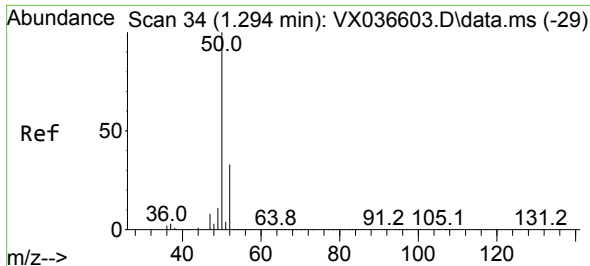
Tgt Ion: 85 Resp: 1653

Ion Ratio Lower Upper

85 100

87 34.6 16.7 50.1

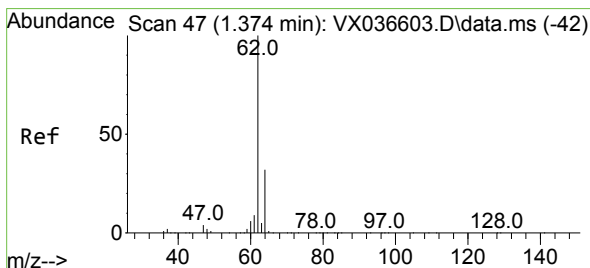
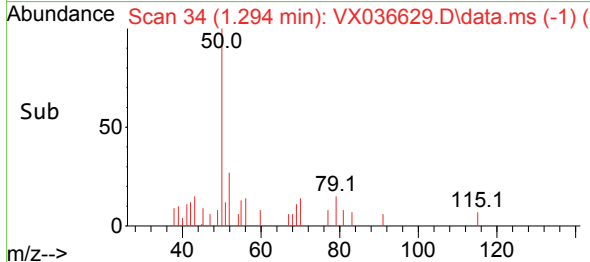
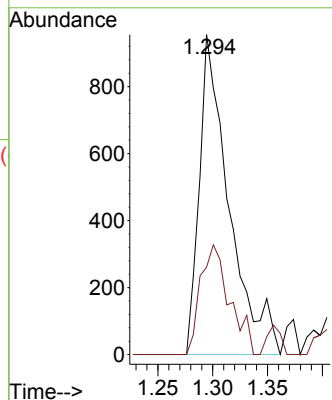
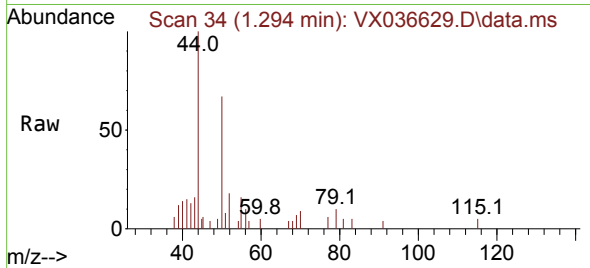




#3
Chloromethane
Concen: 0.861 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

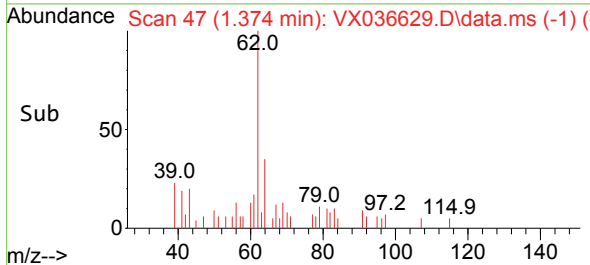
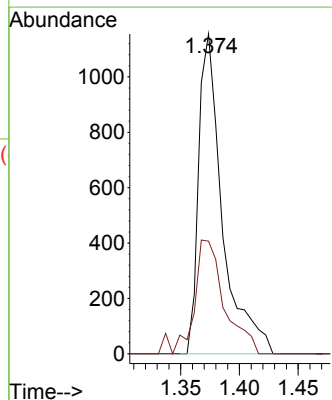
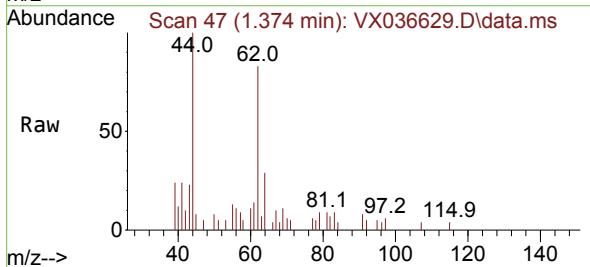
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ClientSampleId :
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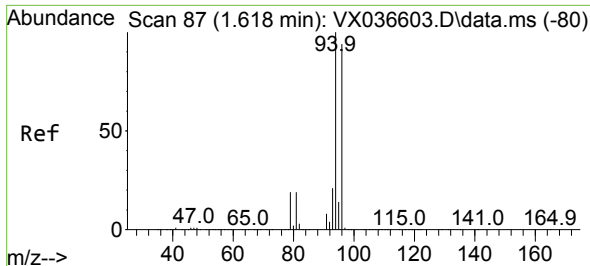
Tgt Ion: 50 Resp: 1796
Ion Ratio Lower Upper
50 100
52 27.3 25.5 38.3



#4
Vinyl Chloride
Concen: 0.764 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

Tgt Ion: 62 Resp: 1623
Ion Ratio Lower Upper
62 100
64 35.2 25.4 38.0

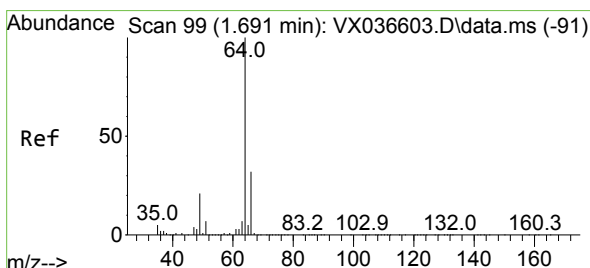
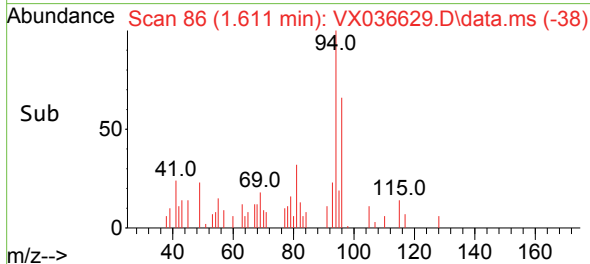
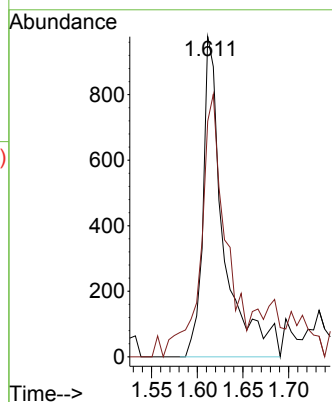
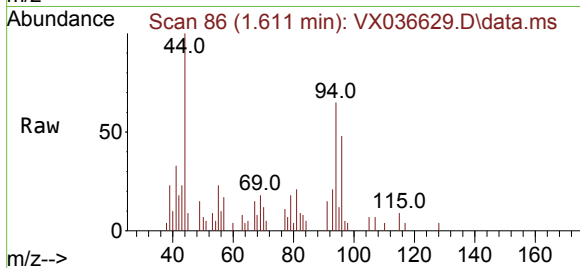




#5
Bromomethane
Concen: 1.209 ug/l
RT: 1.611 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

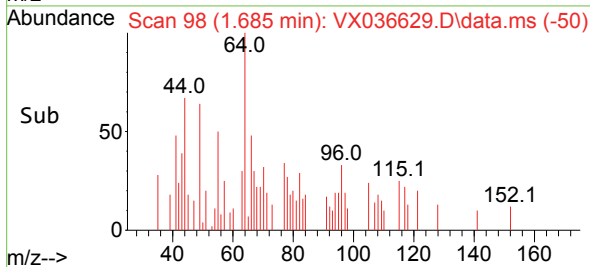
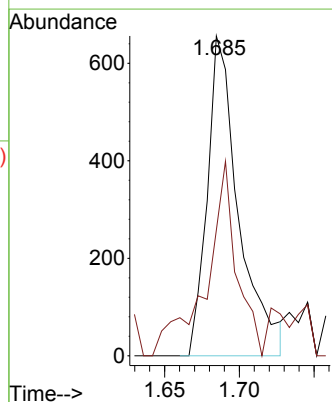
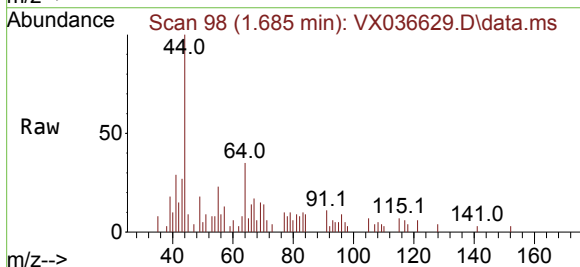
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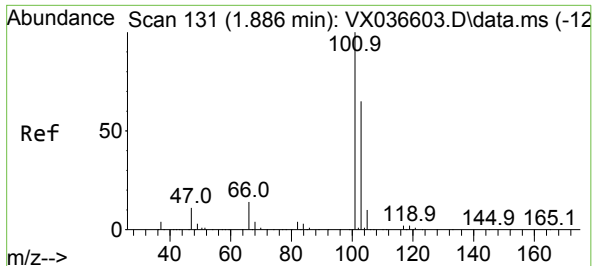
Tgt Ion: 94 Resp: 1533
Ion Ratio Lower Upper
94 100
96 66.0 74.6 111.8#



#6
Chloroethane
Concen: 0.928 ug/l
RT: 1.685 min Scan# 98
Delta R.T. -0.006 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

Tgt Ion: 64 Resp: 959
Ion Ratio Lower Upper
64 100
66 27.4 25.1 37.7

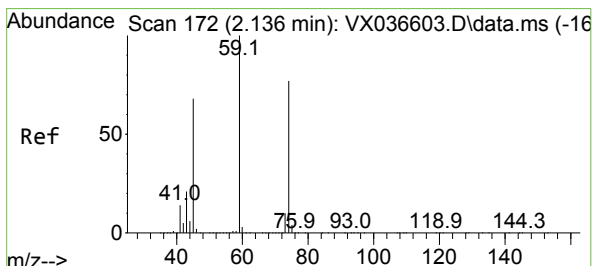
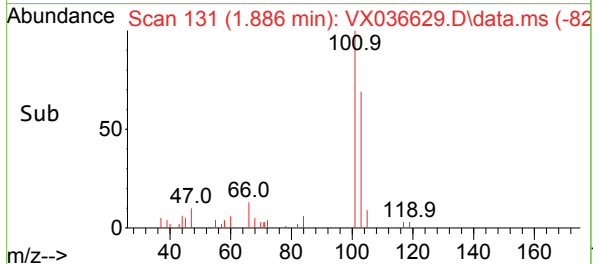
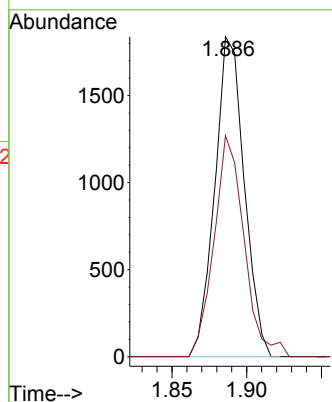
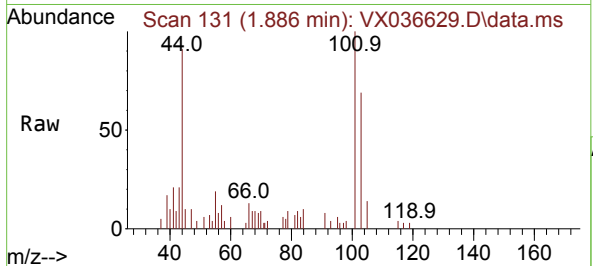




#7
Trichlorofluoromethane
Concen: 0.767 ug/l
RT: 1.886 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

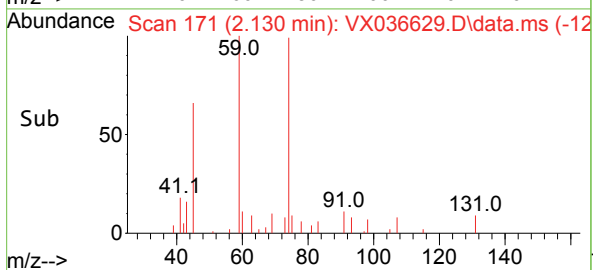
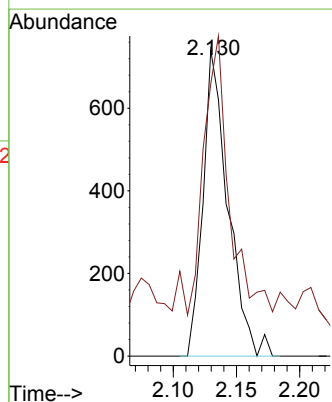
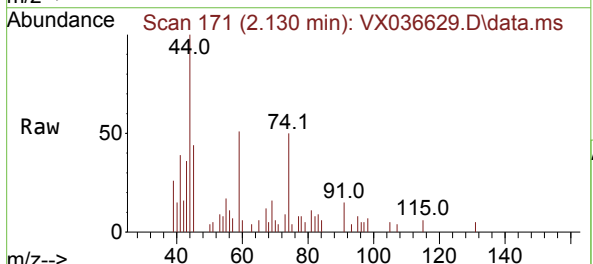
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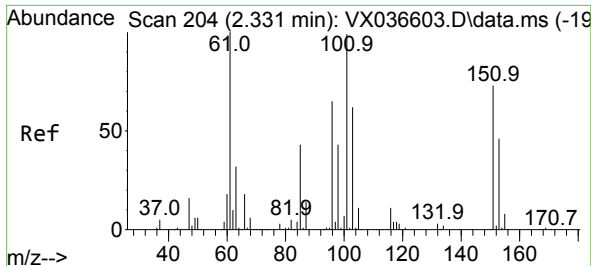
Tgt Ion:101 Resp: 2517
Ion Ratio Lower Upper
101 100
103 69.0 51.4 77.2



#8
Diethyl Ether
Concen: 0.800 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

Tgt Ion: 74 Resp: 1016
Ion Ratio Lower Upper
74 100
45 100.4 53.3 159.8

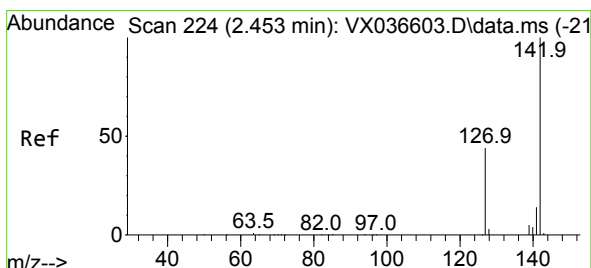
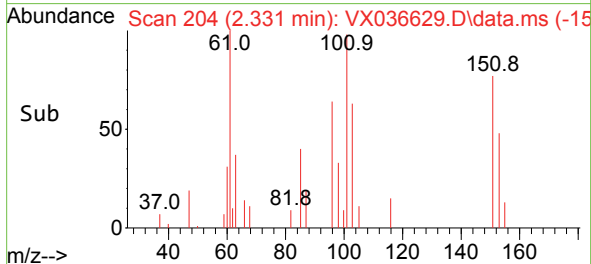
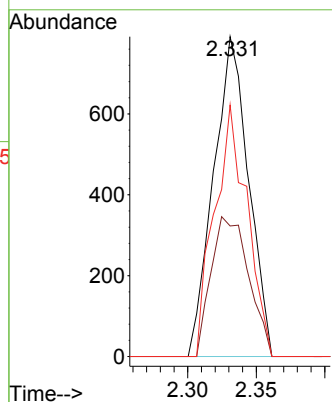
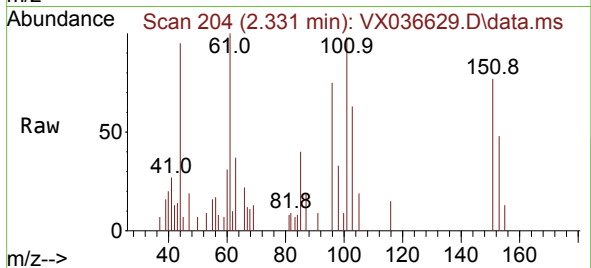




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.713 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX036629.D
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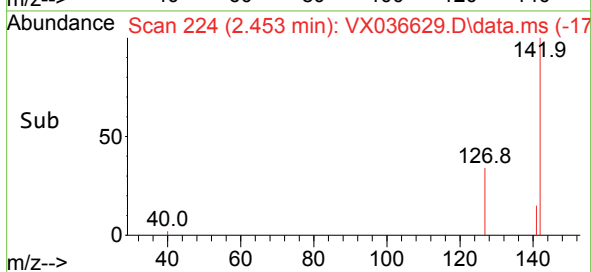
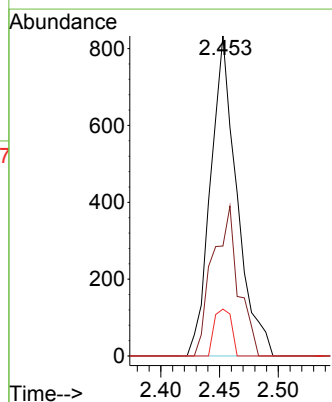
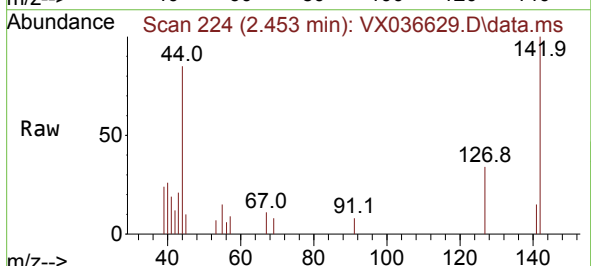
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

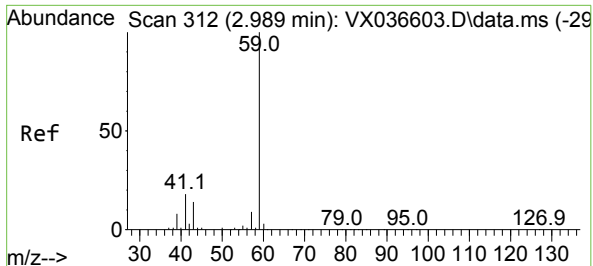
Tgt Ion:101 Resp: 1405
Ion Ratio Lower Upper
101 100
85 47.0 37.0 55.6
151 73.2 58.6 87.8



#10
Methyl Iodide
Concen: 0.633 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.000 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

Tgt Ion:142 Resp: 1296
Ion Ratio Lower Upper
142 100
127 46.1 41.6 62.4
141 9.6 11.6 17.4#

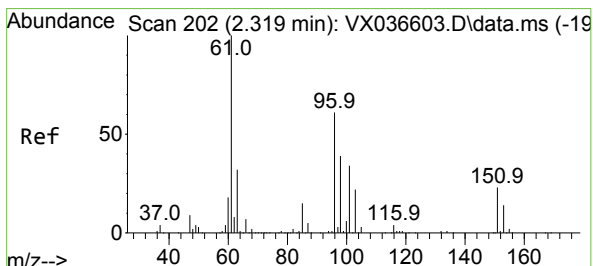
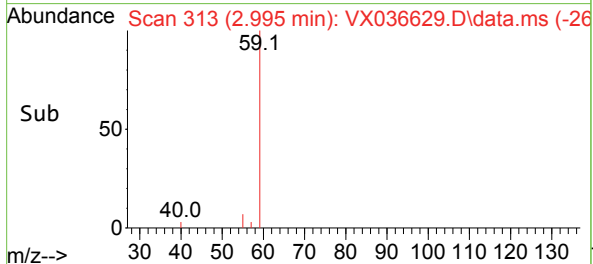
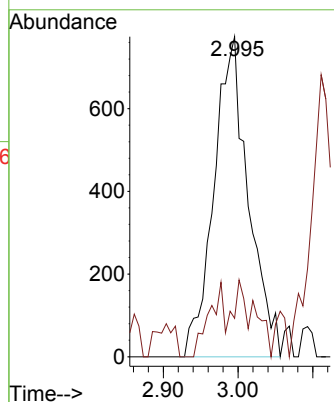
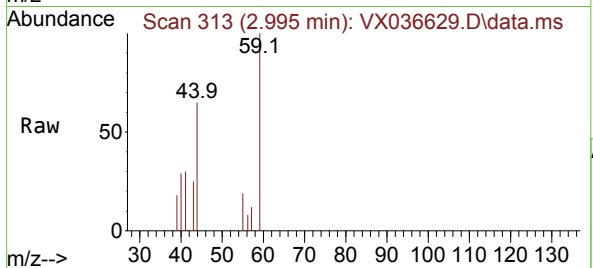




#11
Tert butyl alcohol
Concen: 4.078 ug/l
RT: 2.995 min Scan# 312
Delta R.T. 0.006 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

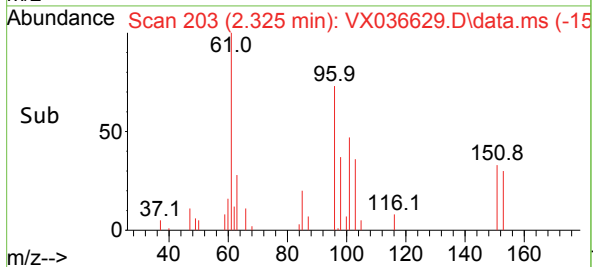
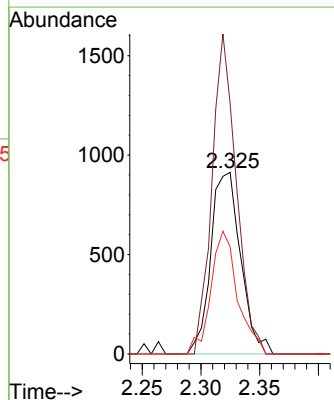
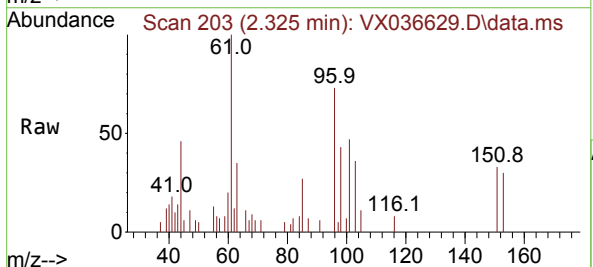
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

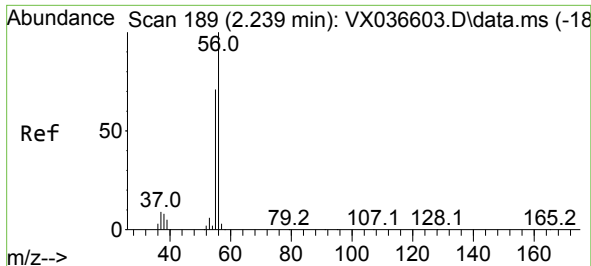
Tgt Ion: 59 Resp: 2481
Ion Ratio Lower Upper
59 100
57 2.9 6.0 9.0#



#12
1,1-Dichloroethene
Concen: 0.831 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

Tgt Ion: 96 Resp: 1617
Ion Ratio Lower Upper
96 100
61 137.9 144.6 216.8#
98 59.0 50.4 75.6





#13

Acrolein

Concen: 4.597 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

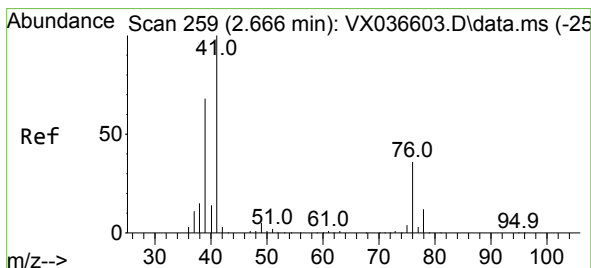
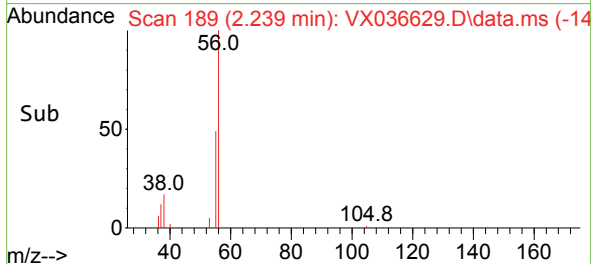
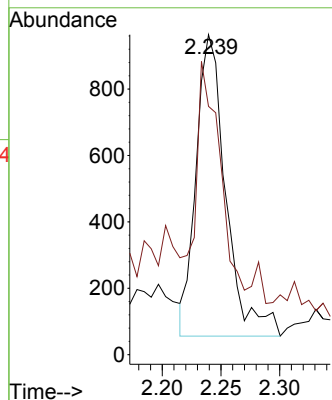
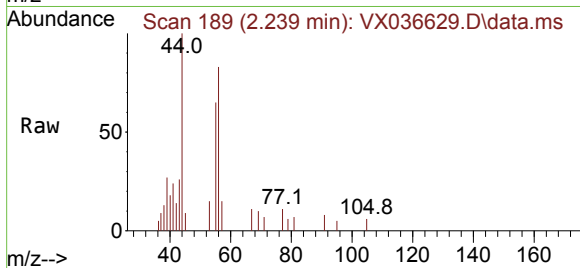
MDL-WATER-03-QT3-2023

Tgt Ion: 56 Resp: 1596

Ion Ratio Lower Upper

56 100

55 62.8 57.1 85.7



#14

Allyl chloride

Concen: 0.770 ug/l

RT: 2.666 min Scan# 259

Delta R.T. 0.000 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

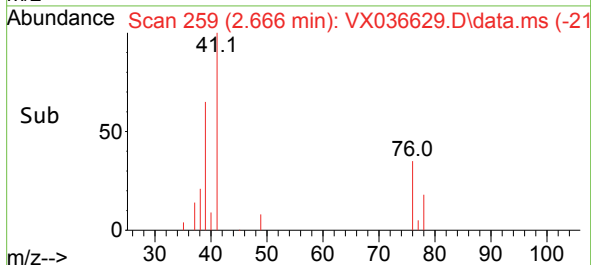
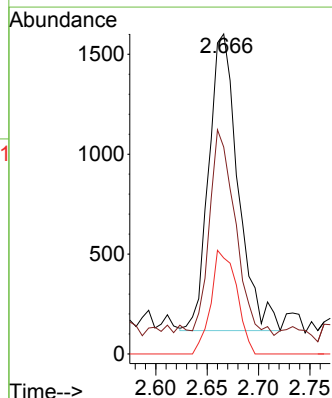
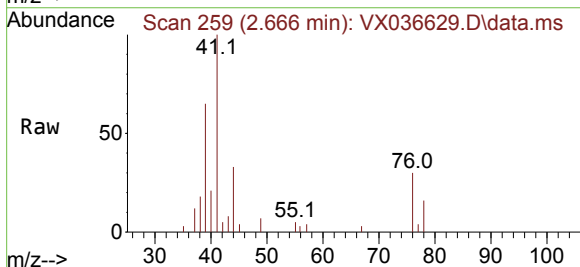
Tgt Ion: 41 Resp: 2949

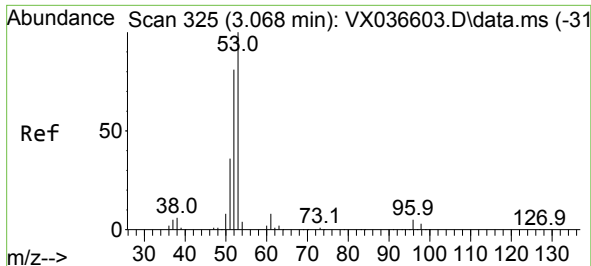
Ion Ratio Lower Upper

41 100

39 60.8 55.8 83.6

76 30.6 24.3 36.5

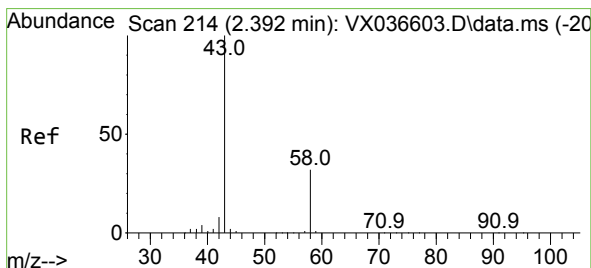
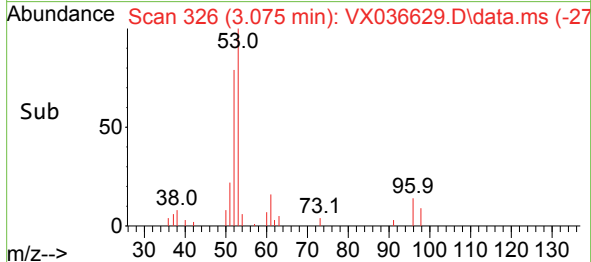
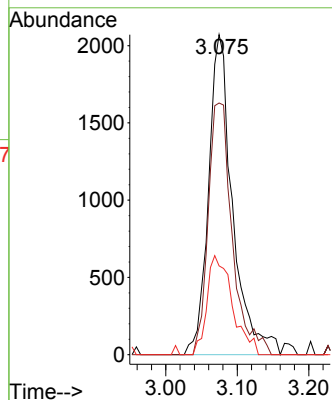
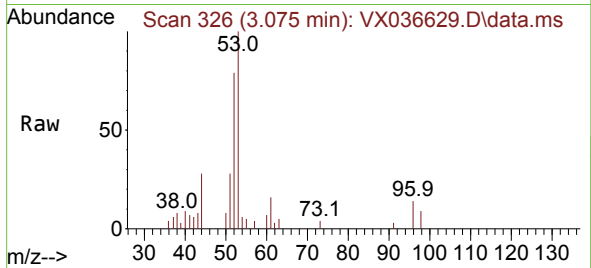




#15
Acrylonitrile
Concen: 3.957 ug/l
RT: 3.075 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

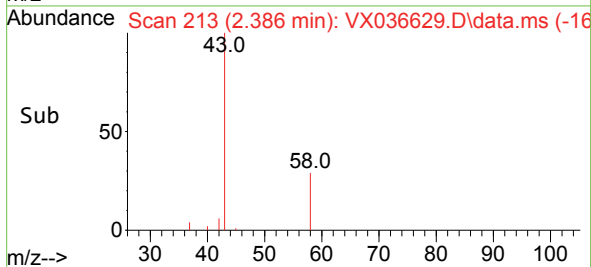
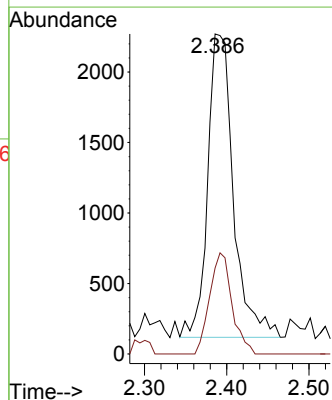
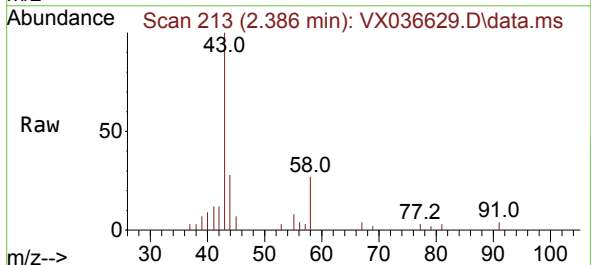
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

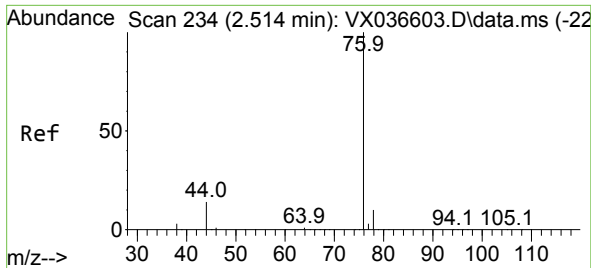
Tgt Ion: 53	Resp: 4842	
Ion Ratio	Lower	Upper
53	100	
52	78.8	66.0 99.0
51	32.7	29.8 44.6



#16
Acetone
Concen: 4.390 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

Tgt Ion: 43	Resp: 4682
Ion Ratio	Lower Upper
43 100	
58 28.3	21.9 32.9





#17

Carbon Disulfide

Concen: 0.852 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

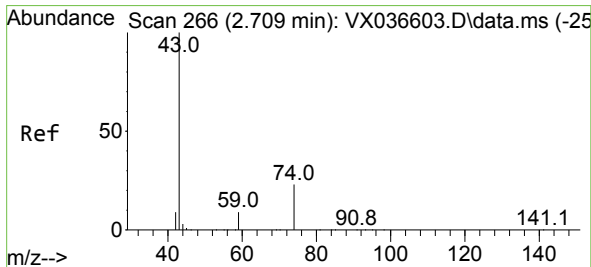
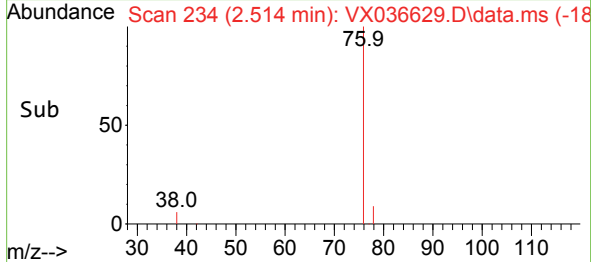
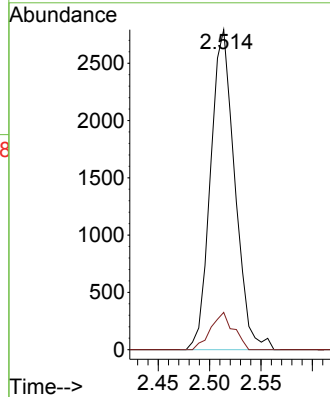
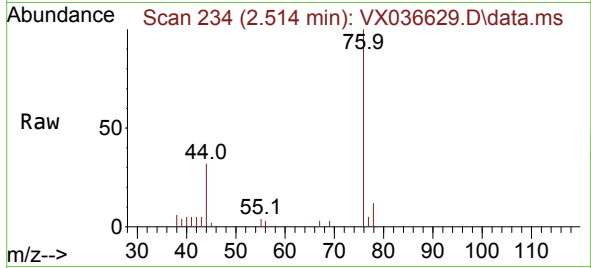
MDL-WATER-03-QT3-2023

Tgt Ion: 76 Resp: 4575

Ion Ratio Lower Upper

76 100

78 11.6 7.0 10.6#



#18

Methyl Acetate

Concen: 0.837 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.000 min

Lab File: VX036629.D

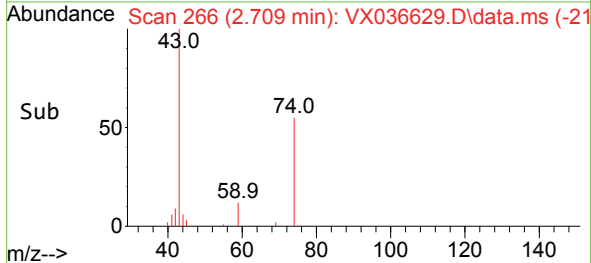
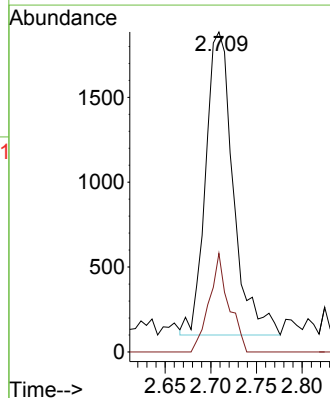
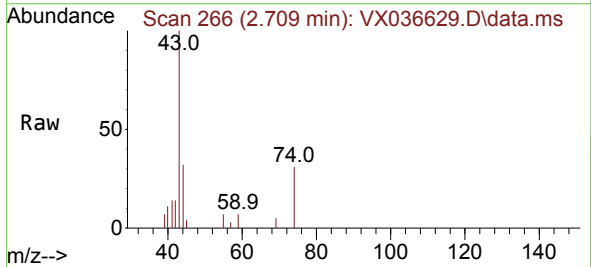
Acq: 24 Jul 2023 14:35

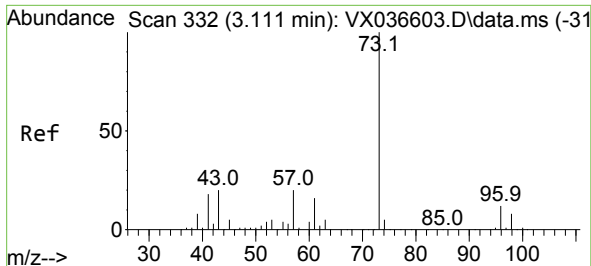
Tgt Ion: 43 Resp: 3757

Ion Ratio Lower Upper

43 100

74 22.9 17.8 26.8





#19

Methyl tert-butyl Ether

Concen: 0.793 ug/l

RT: 3.117 min Scan# 311

Delta R.T. 0.006 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

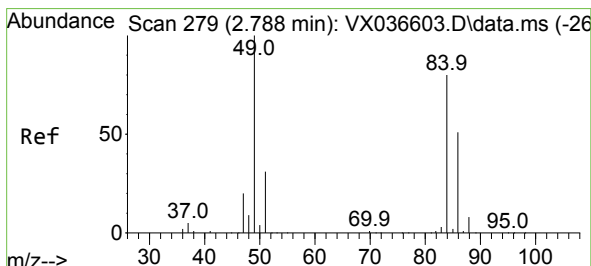
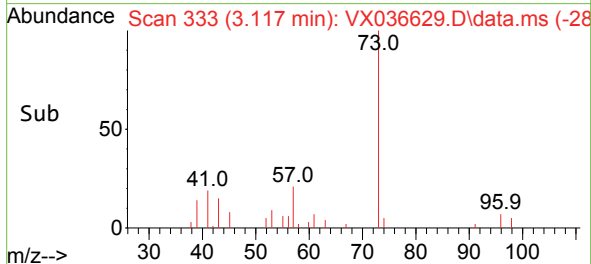
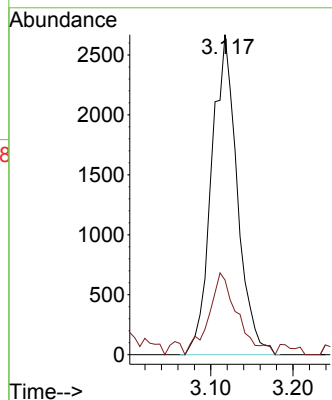
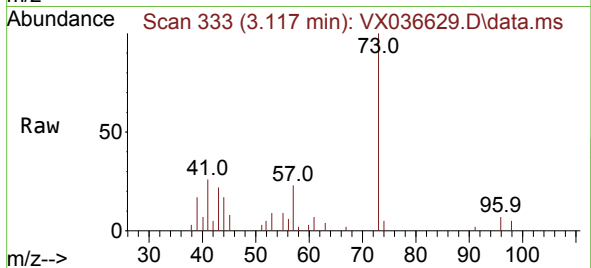
MDL-WATER-03-QT3-2023

Tgt Ion: 73 Resp: 5799

Ion Ratio Lower Upper

73 100

57 20.2 17.3 25.9



#20

Methylene Chloride

Concen: 1.008 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Tgt Ion: 84 Resp: 2391

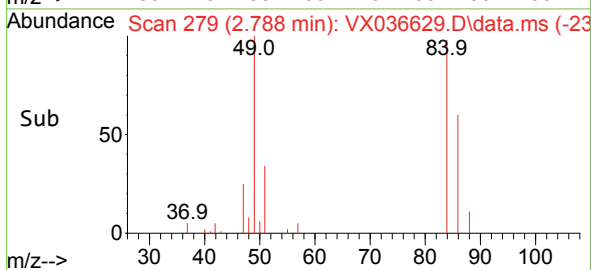
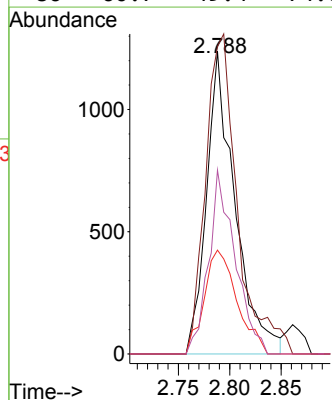
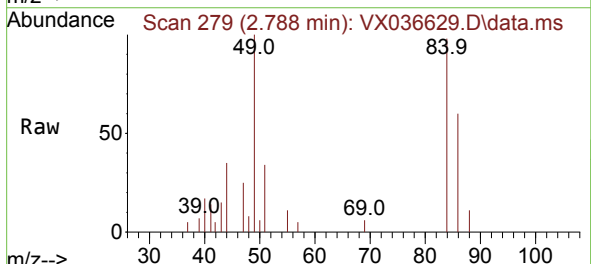
Ion Ratio Lower Upper

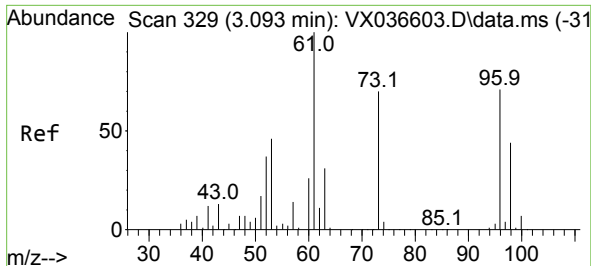
84 100

49 101.5 103.6 155.4#

51 34.3 33.8 50.6

86 60.7 49.4 74.0

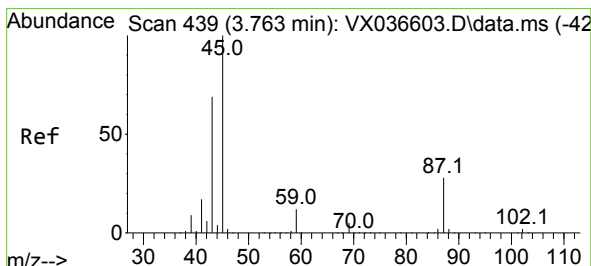
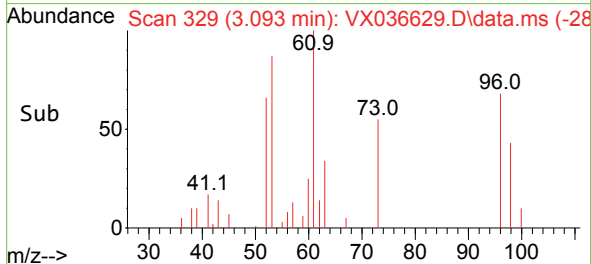
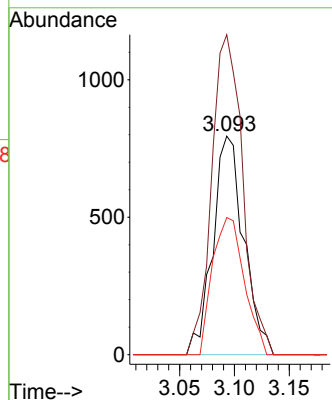
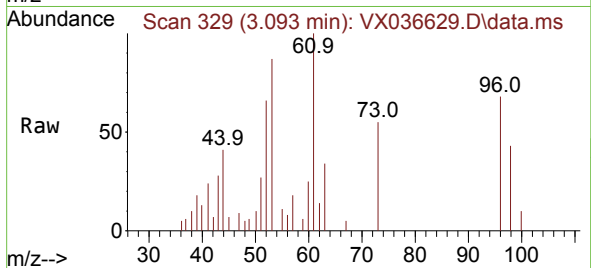




#21
trans-1,2-Dichloroethene
Concen: 0.718 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

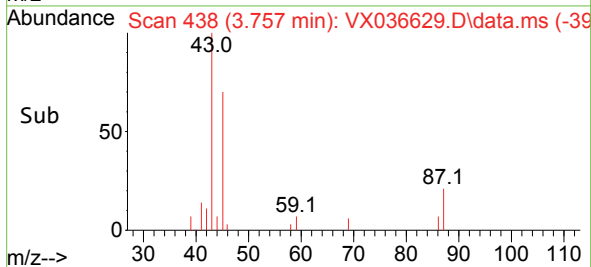
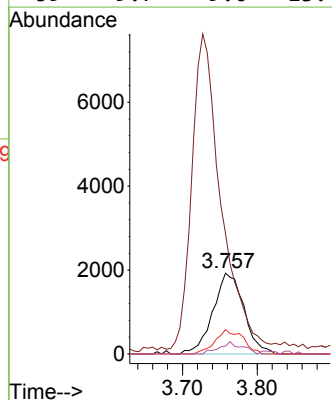
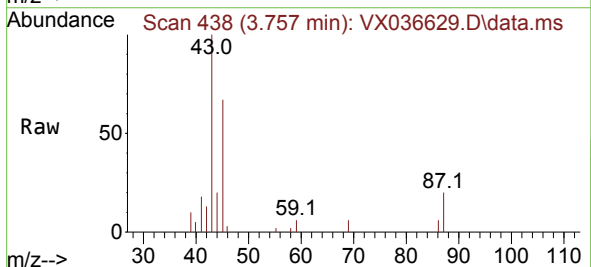
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

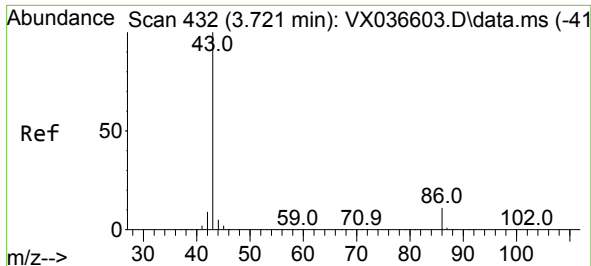
Tgt Ion: 96 Resp: 1561
Ion Ratio Lower Upper
96 100
61 146.4 119.2 178.8
98 62.8 48.7 73.1



#22
Diisopropyl ether
Concen: 0.763 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

Tgt Ion: 45 Resp: 5550
Ion Ratio Lower Upper
45 100
43 138.4 69.7 104.5#
87 30.1 20.8 31.2
59 9.7 9.0 13.4

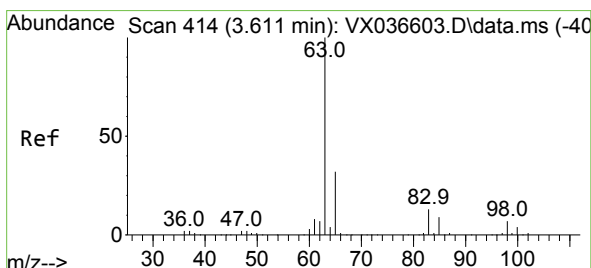
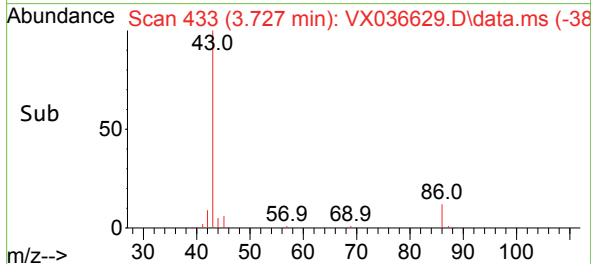
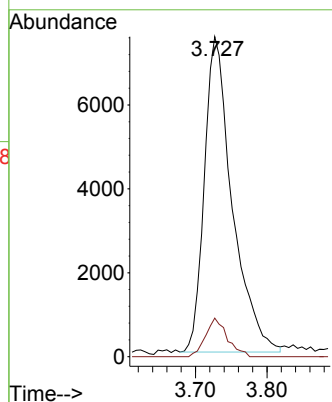
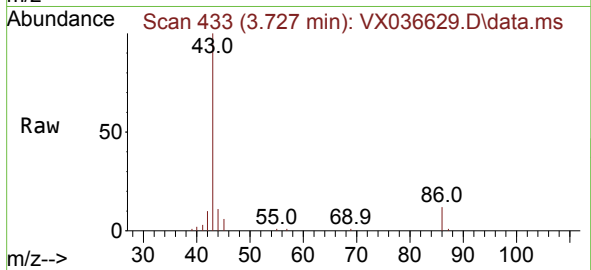




#23
 Vinyl Acetate
 Concen: 3.645 ug/l
 RT: 3.727 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VX036629.D
 Acq: 24 Jul 2023 14:35

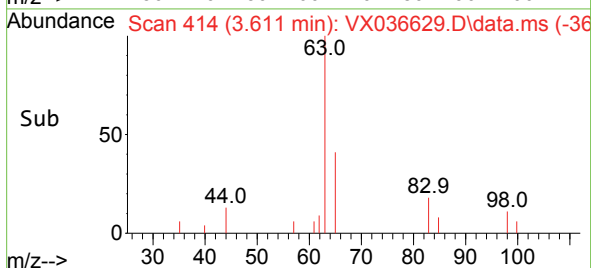
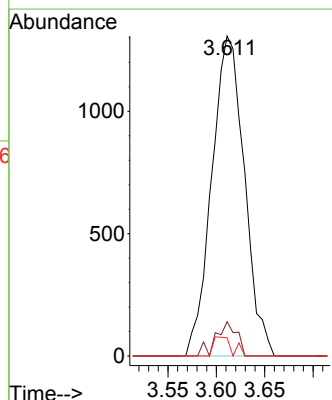
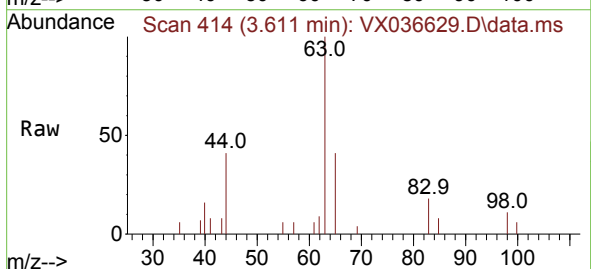
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2023

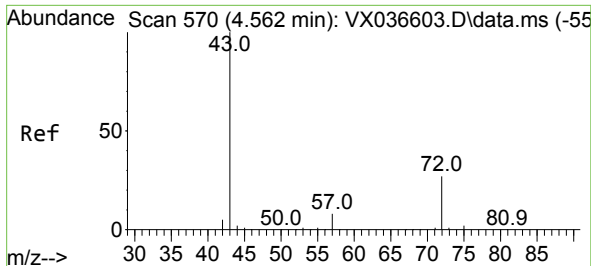
Tgt Ion: 43 Resp: 20328
 Ion Ratio Lower Upper
 43 100
 86 12.2 7.8 11.8#



#24
 1,1-Dichloroethane
 Concen: 0.754 ug/l
 RT: 3.611 min Scan# 414
 Delta R.T. 0.000 min
 Lab File: VX036629.D
 Acq: 24 Jul 2023 14:35

Tgt Ion: 63 Resp: 3073
 Ion Ratio Lower Upper
 63 100
 98 10.7 3.3 9.8#
 100 5.7 2.1 6.5

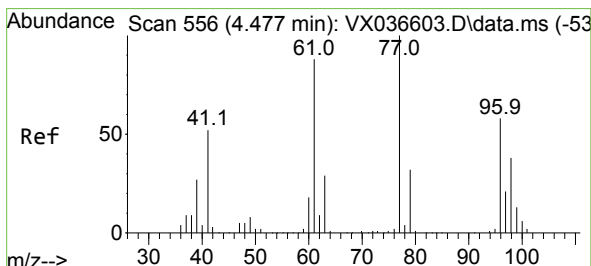
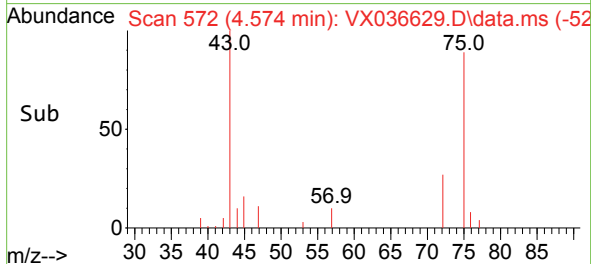
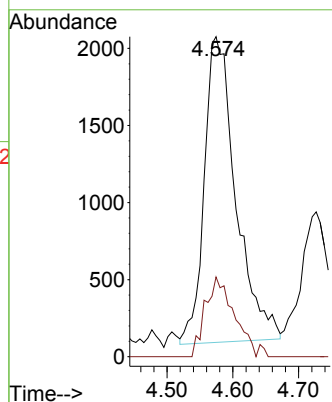
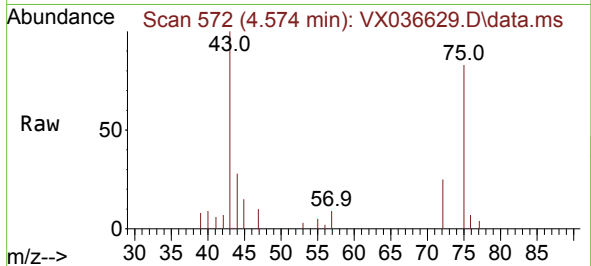




#25
2-Butanone
Concen: 3.822 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

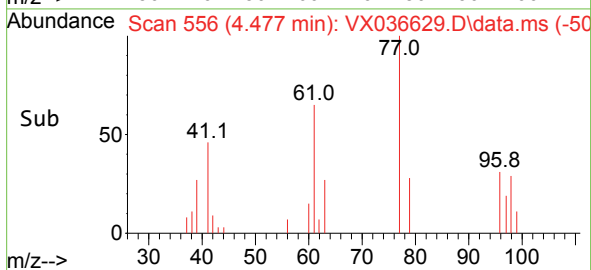
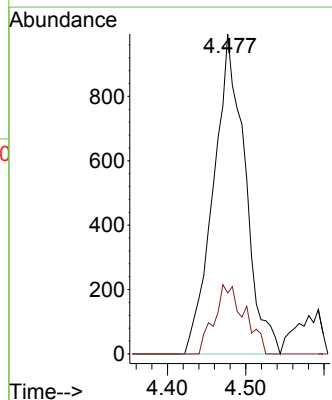
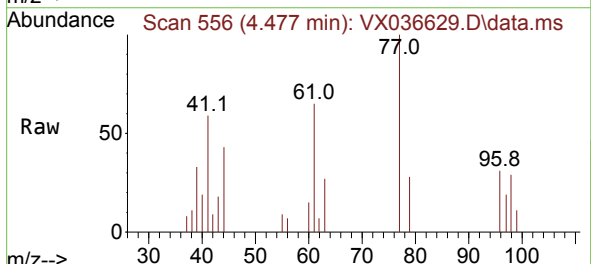
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

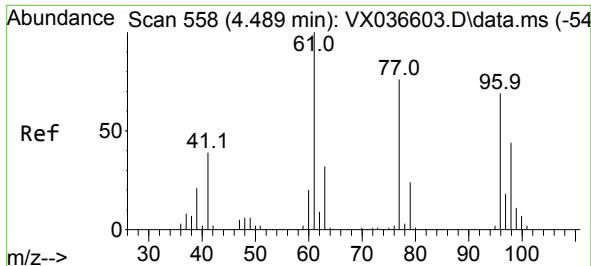
Tgt Ion: 43 Resp: 6613
Ion Ratio Lower Upper
43 100
72 26.4 19.4 29.2



#26
2,2-Dichloropropane
Concen: 0.723 ug/l
RT: 4.477 min Scan# 556
Delta R.T. 0.000 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

Tgt Ion: 77 Resp: 2777
Ion Ratio Lower Upper
77 100
97 20.9 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 0.709 ug/l

RT: 4.501 min Scan# 5

Delta R.T. 0.012 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

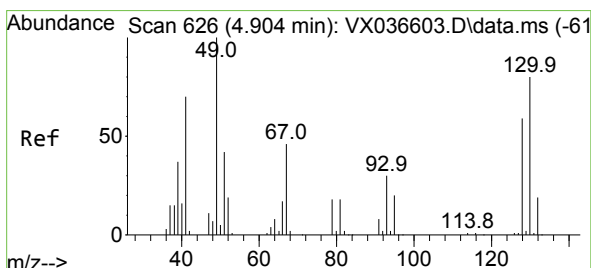
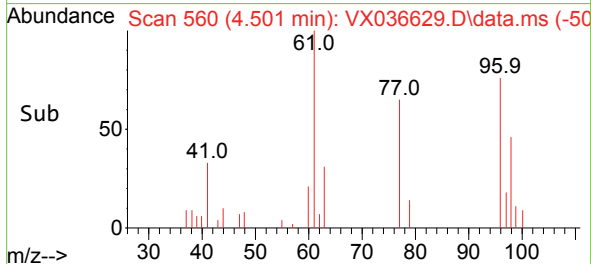
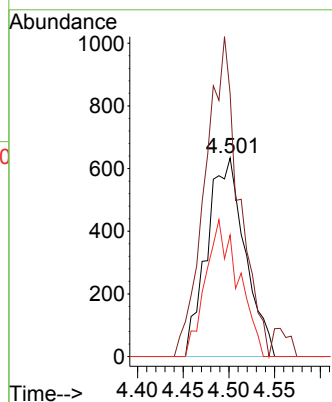
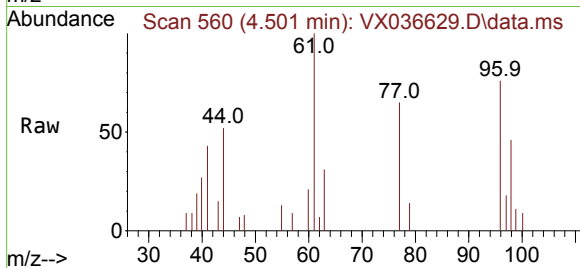
Tgt Ion: 96 Resp: 1830

Ion Ratio Lower Upper

96 100

61 143.9 0.0 312.2

98 60.0 0.0 129.0



#28

Bromochloromethane

Concen: 0.746 ug/l

RT: 4.910 min Scan# 627

Delta R.T. 0.006 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

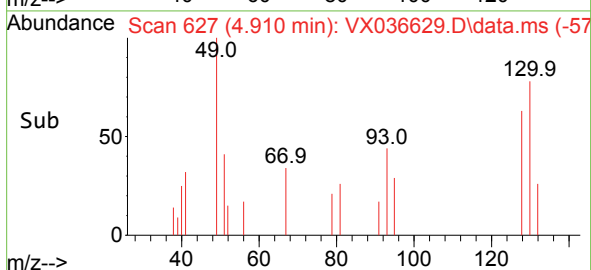
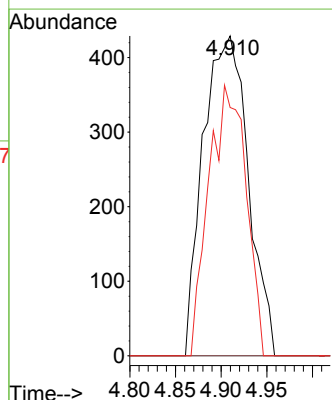
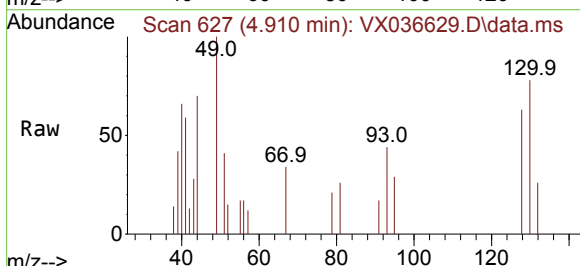
Tgt Ion: 49 Resp: 1471

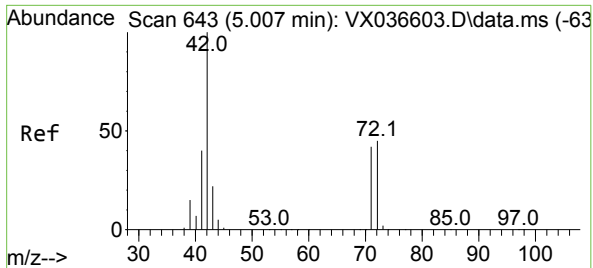
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 69.9 57.5 86.3





#29

Tetrahydrofuran

Concen: 3.640 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.012 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

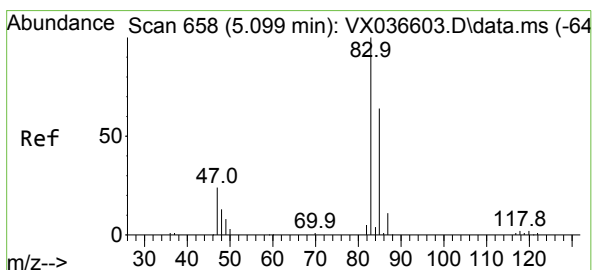
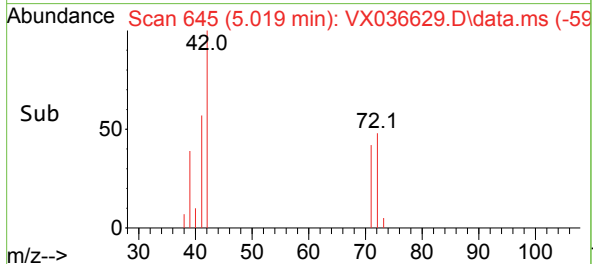
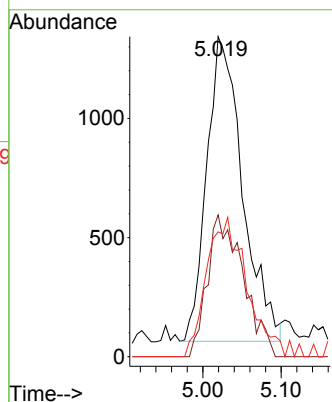
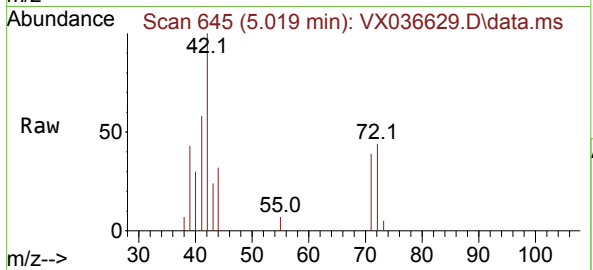
Tgt Ion: 42 Resp: 4060

Ion Ratio Lower Upper

42 100

72 46.5 34.2 51.4

71 51.0 32.2 48.2#



#30

Chloroform

Concen: 0.821 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.006 min

Lab File: VX036629.D

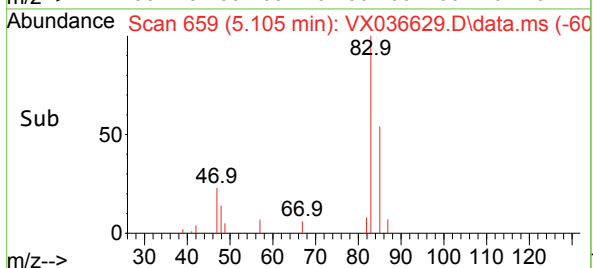
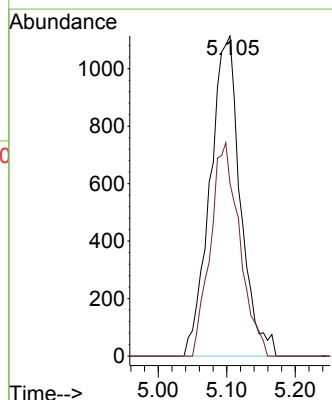
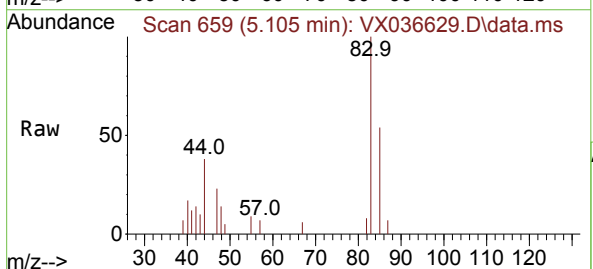
Acq: 24 Jul 2023 14:35

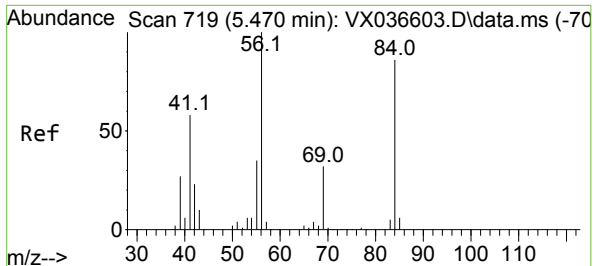
Tgt Ion: 83 Resp: 3424

Ion Ratio Lower Upper

83 100

85 54.0 50.3 75.5





#31
Cyclohexane

Concen: 0.833 ug/l

RT: 5.477 min Scan# 719

Delta R.T. 0.006 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

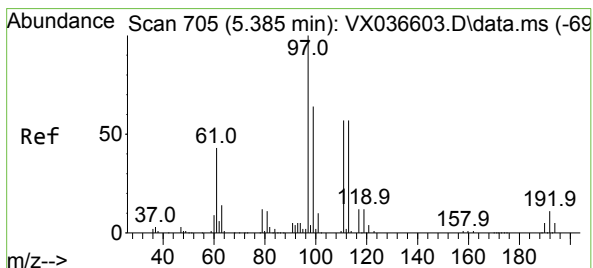
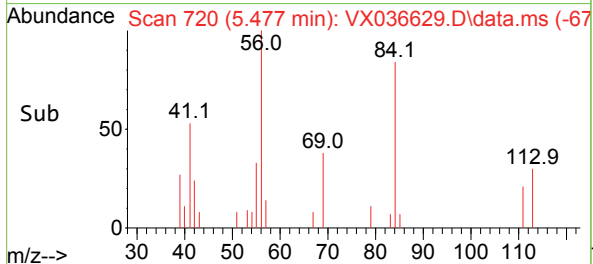
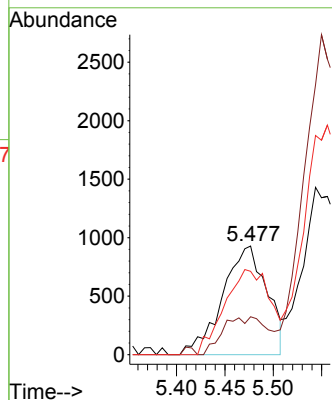
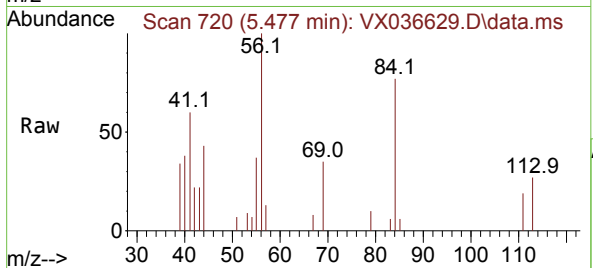
Tgt Ion: 56 Resp: 2963

Ion Ratio Lower Upper

56 100

69 34.9 23.4 35.2

84 76.7 65.9 98.9



#32

1,1,1-Trichloroethane

Concen: 0.773 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

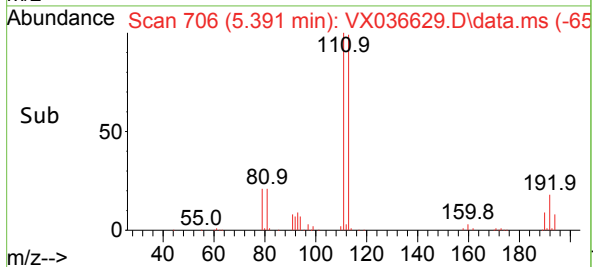
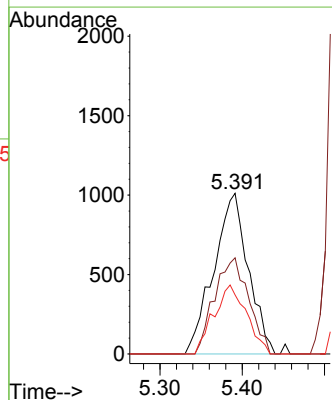
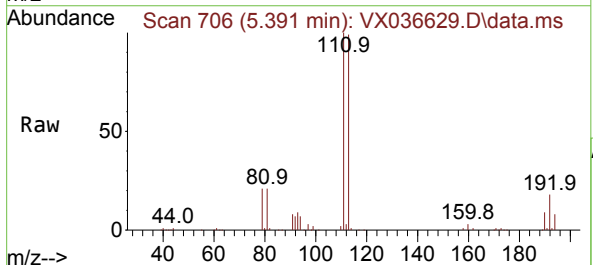
Tgt Ion: 97 Resp: 2955

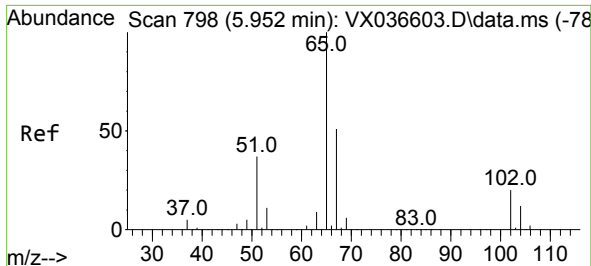
Ion Ratio Lower Upper

97 100

99 0.0 51.1 76.7#

61 40.5 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 49.967 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

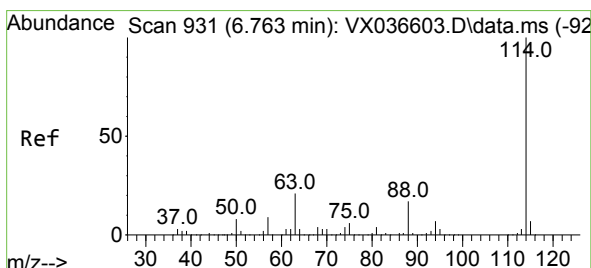
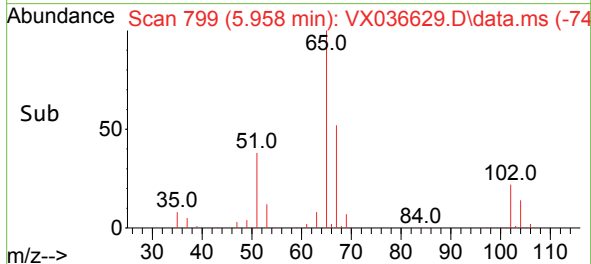
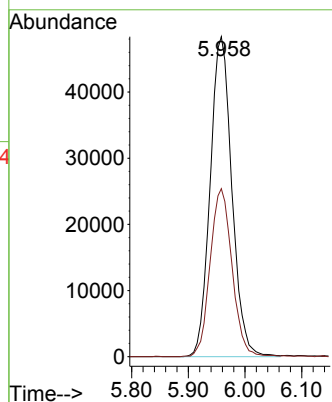
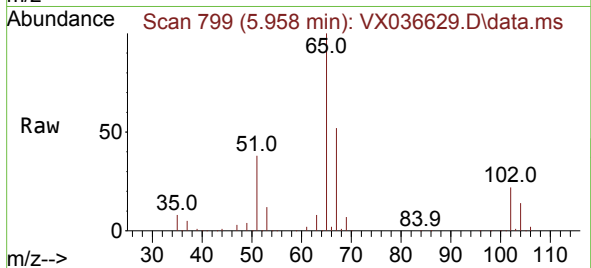
MDL-WATER-03-QT3-2023

Tgt Ion: 65 Resp: 128409

Ion Ratio Lower Upper

65 100

67 53.0 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: VX036629.D

Acq: 24 Jul 2023 14:35

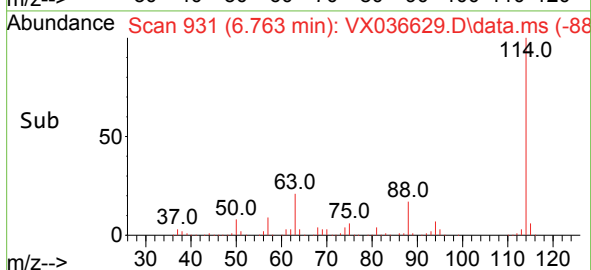
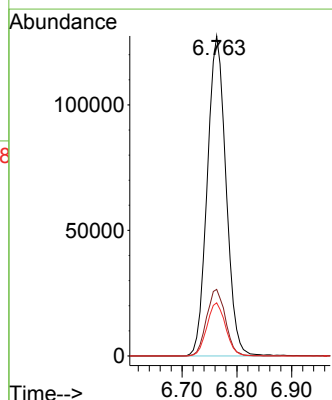
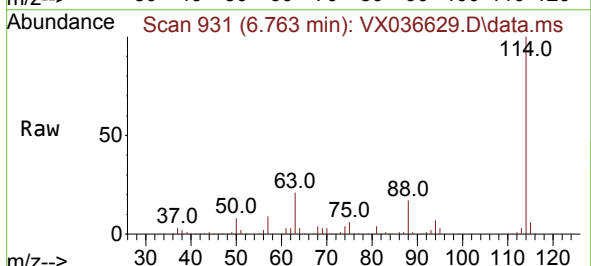
Tgt Ion: 114 Resp: 301837

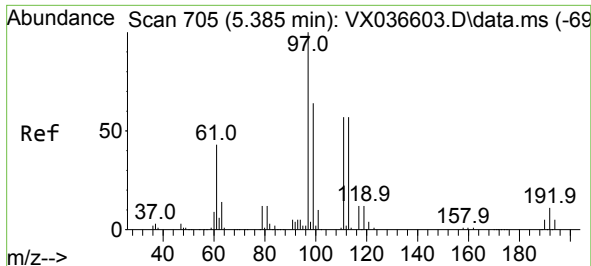
Ion Ratio Lower Upper

114 100

63 20.8 0.0 45.0

88 16.6 0.0 36.6

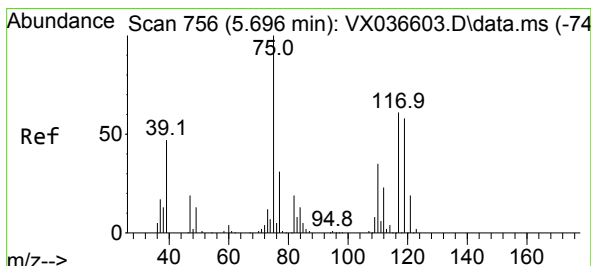
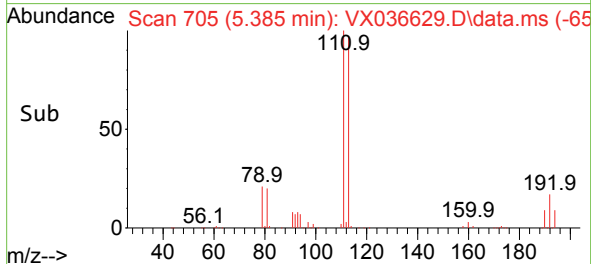
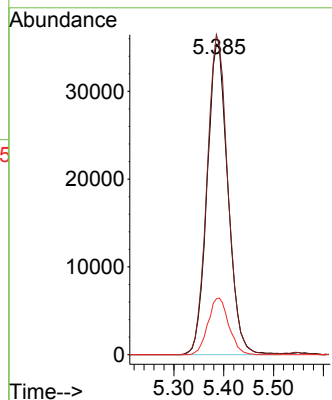
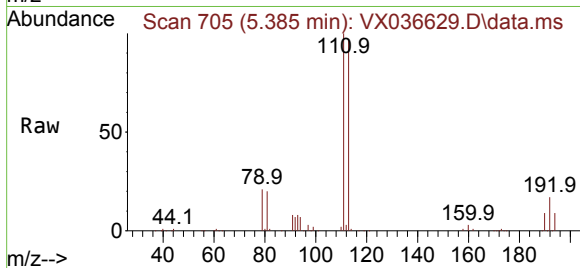




#35
Dibromofluoromethane
Concen: 49.604 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

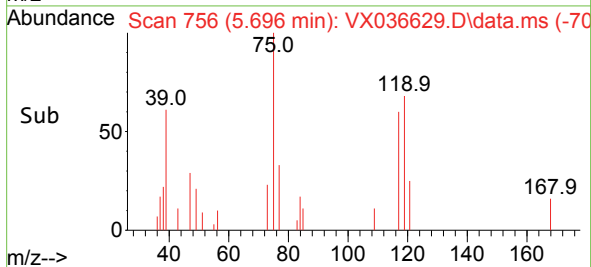
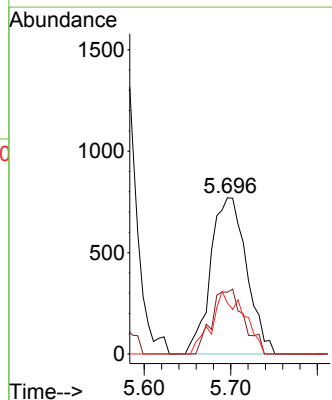
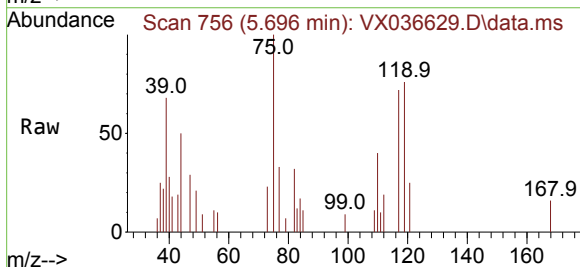
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

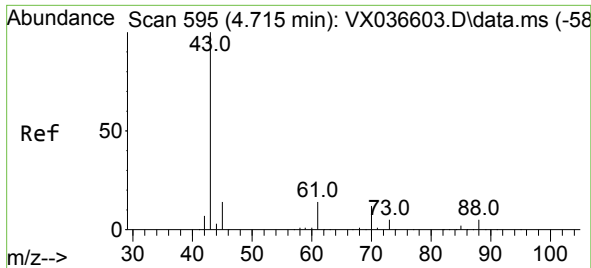
Tgt Ion:113 Resp: 102912
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 18.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 0.719 ug/l
RT: 5.696 min Scan# 756
Delta R.T. 0.000 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

Tgt Ion: 75 Resp: 2223
Ion Ratio Lower Upper
75 100
110 37.0 17.0 50.9
77 36.1 24.7 37.1





#37

Ethyl Acetate

Concen: 0.713 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.012 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

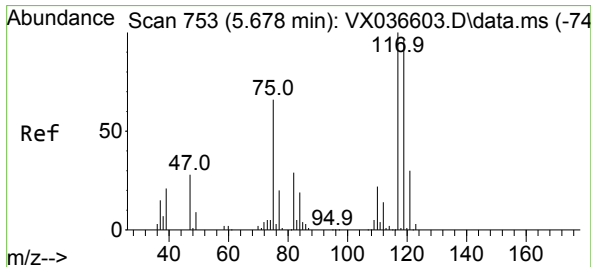
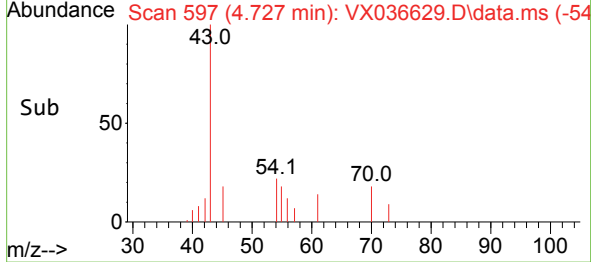
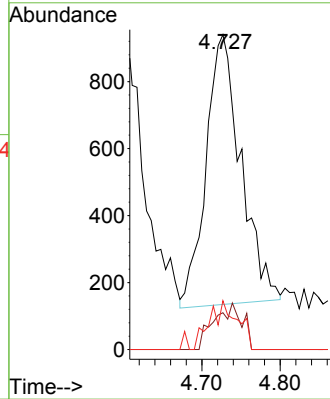
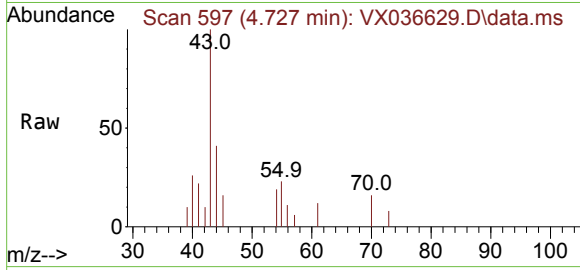
Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion: 43	Resp: 2494
Ion Ratio	Lower Upper
43	100
61	13.8 10.6 16.0
70	14.6 8.3 12.5



#38

Carbon Tetrachloride

Concen: 0.750 ug/l

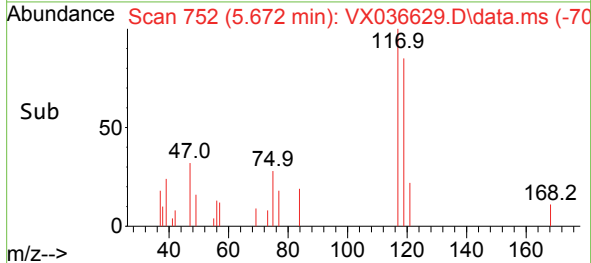
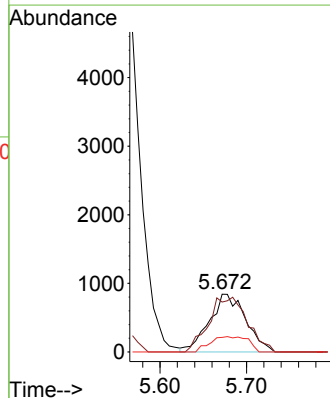
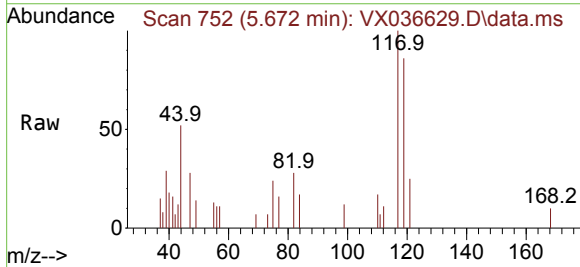
RT: 5.672 min Scan# 752

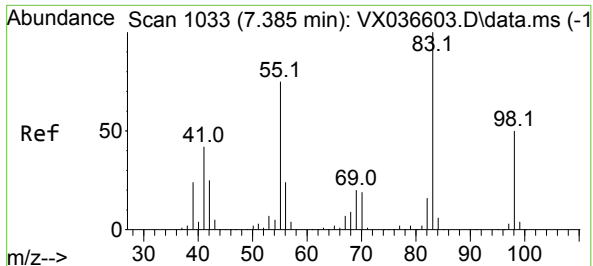
Delta R.T. -0.006 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Tgt Ion: 117	Resp: 2464
Ion Ratio	Lower Upper
117	100
119	86.5 78.2 117.2
121	25.3 24.4 36.6





#39

Methylcyclohexane

Concen: 0.740 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

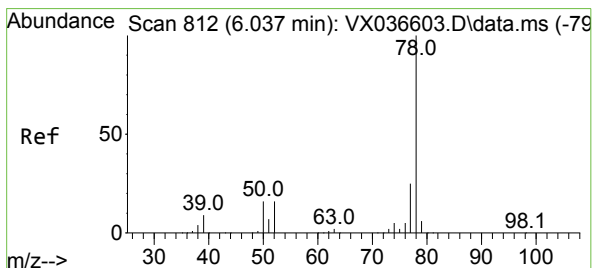
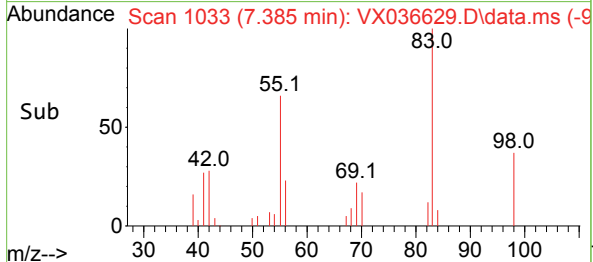
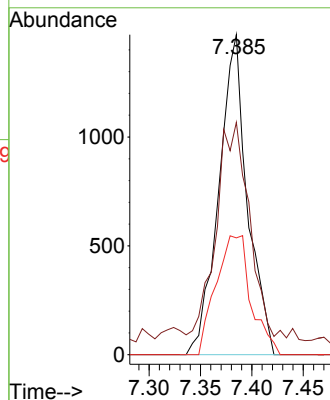
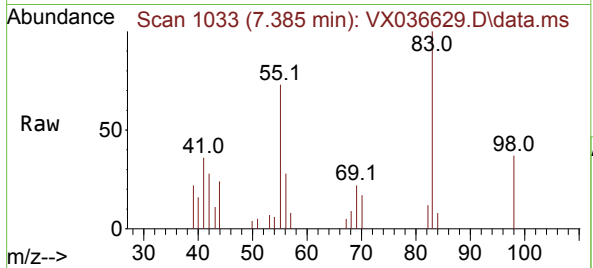
Tgt Ion: 83 Resp: 2845

Ion Ratio Lower Upper

83 100

55 65.0 64.6 97.0

98 36.5 36.7 55.1#



#40

Benzene

Concen: 0.731 ug/l

RT: 6.044 min Scan# 813

Delta R.T. 0.006 min

Lab File: VX036629.D

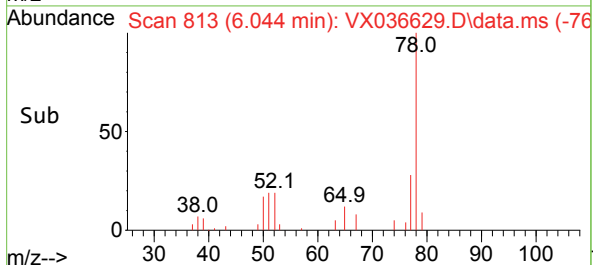
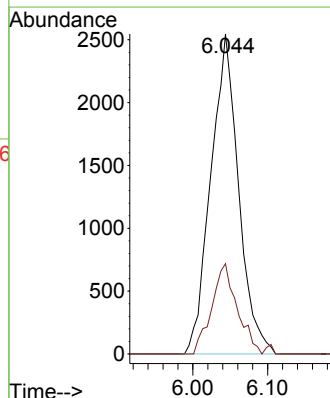
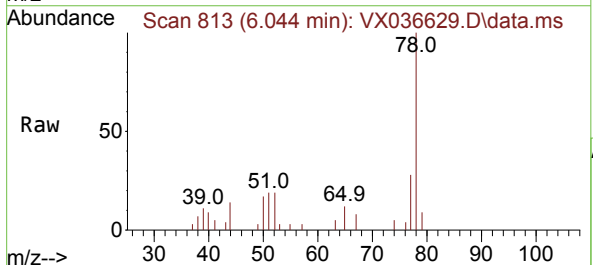
Acq: 24 Jul 2023 14:35

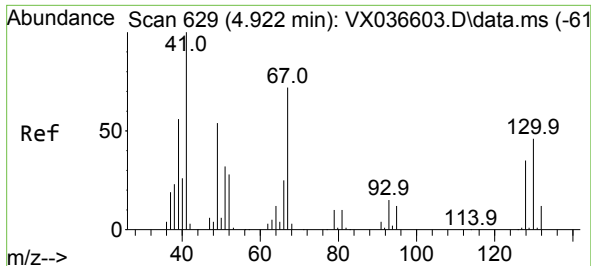
Tgt Ion: 78 Resp: 6575

Ion Ratio Lower Upper

78 100

77 28.2 19.3 28.9

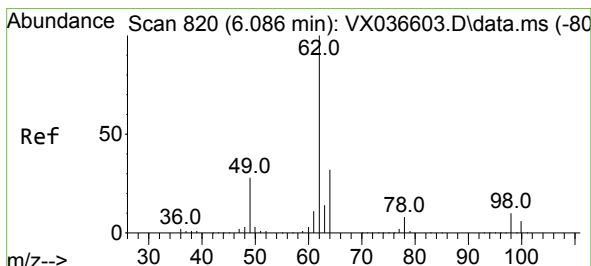
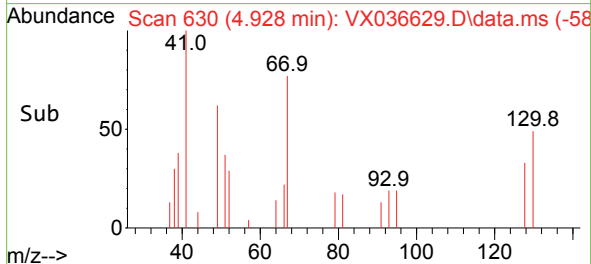
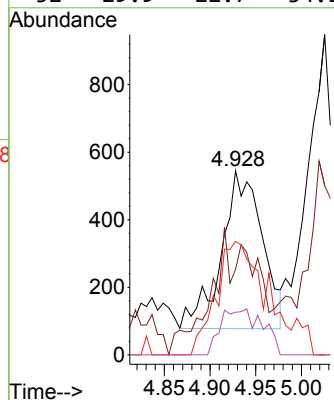
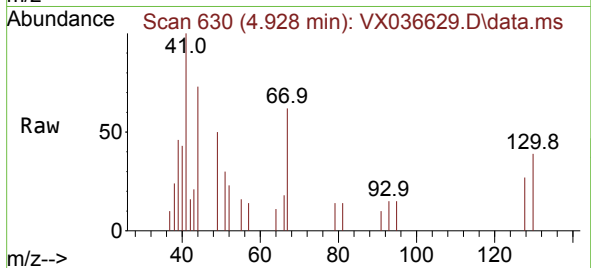




#41
Methacrylonitrile
Concen: 0.772 ug/l
RT: 4.928 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

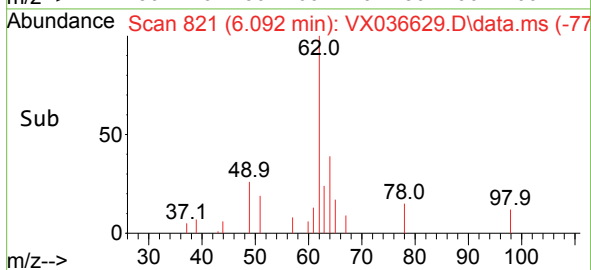
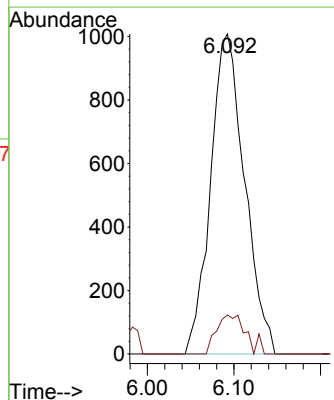
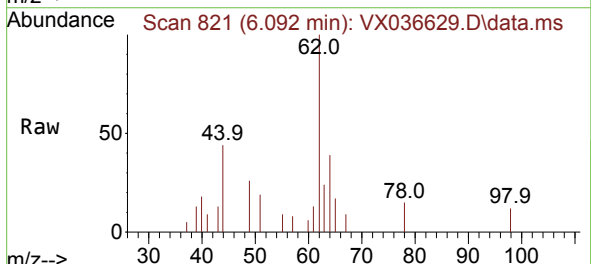
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

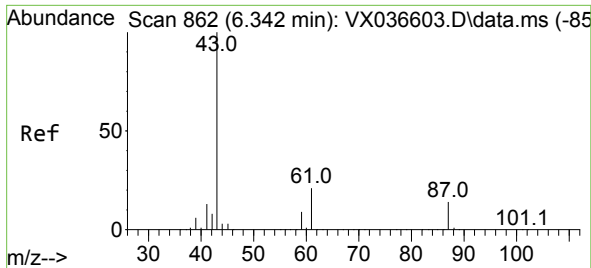
Tgt Ion:	41	Resp:	1445
Ion	Ratio	Lower	Upper
41	100		
39	25.7	45.2	67.8#
67	86.6	52.6	78.8#
52	29.9	22.7	34.1



#42
1,2-Dichloroethane
Concen: 0.836 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

Tgt Ion:	62	Resp:	2749
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	16.0





#43

Isopropyl Acetate

Concen: 0.771 ug/l

RT: 6.355 min Scan# 864

Delta R.T. 0.012 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

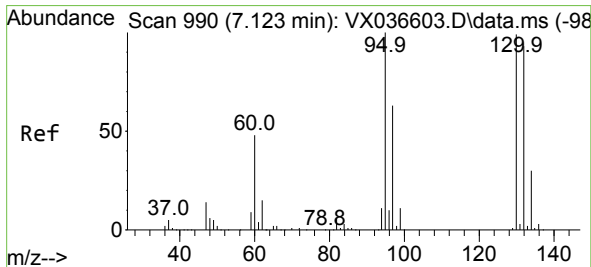
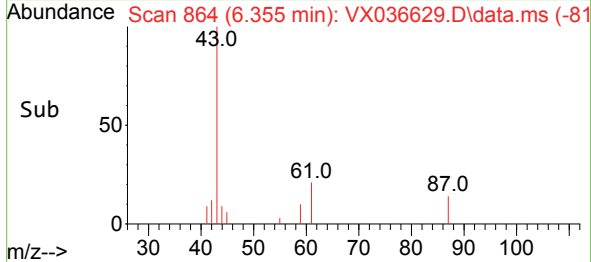
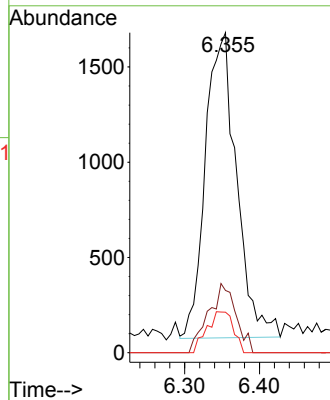
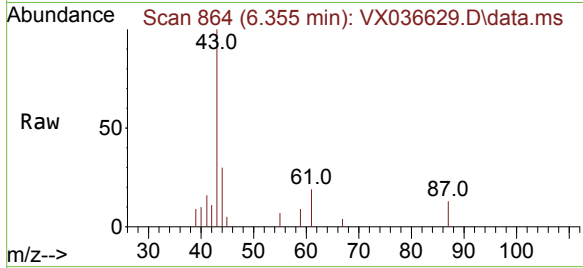
Tgt Ion: 43 Resp: 4646

Ion Ratio Lower Upper

43 100

61 20.0 15.2 22.8

87 11.4 9.8 14.6



#44

Trichloroethene

Concen: 0.685 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX036629.D

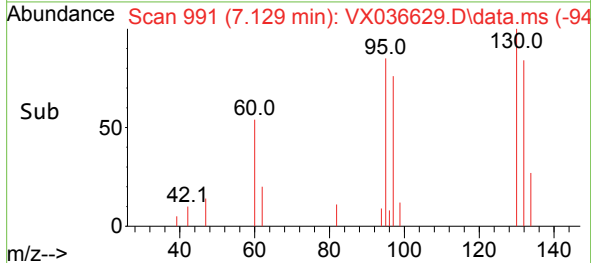
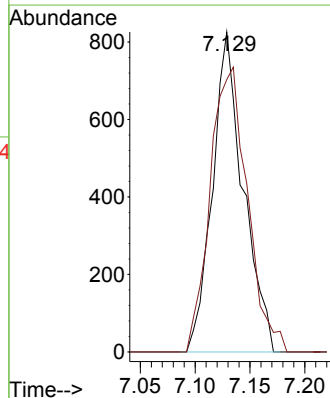
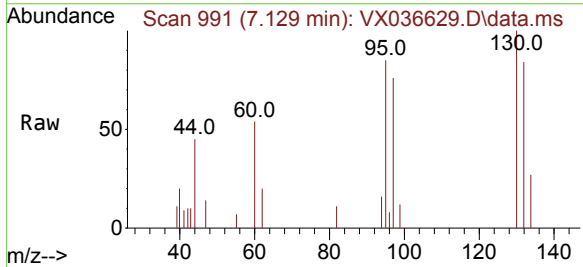
Acq: 24 Jul 2023 14:35

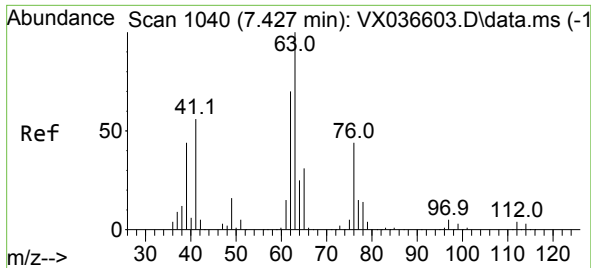
Tgt Ion:130 Resp: 1611

Ion Ratio Lower Upper

130 100

95 85.1 0.0 204.4

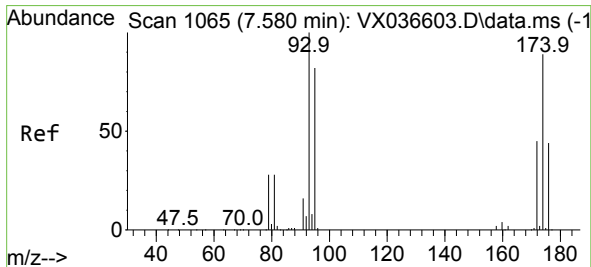
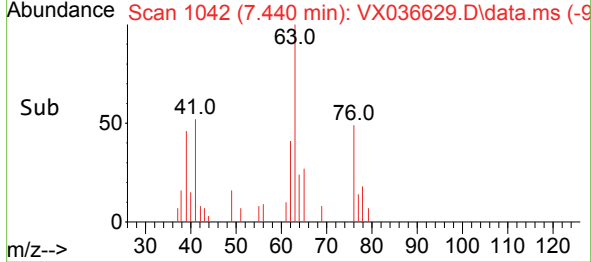
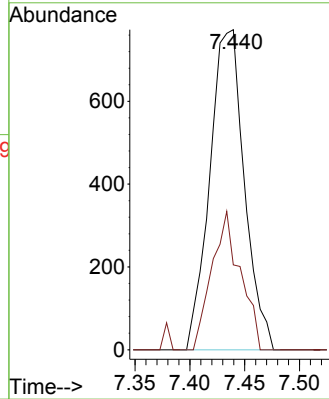
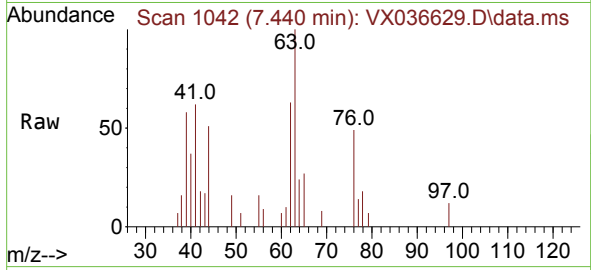




#45
1,2-Dichloropropane
Concen: 0.706 ug/l
RT: 7.440 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

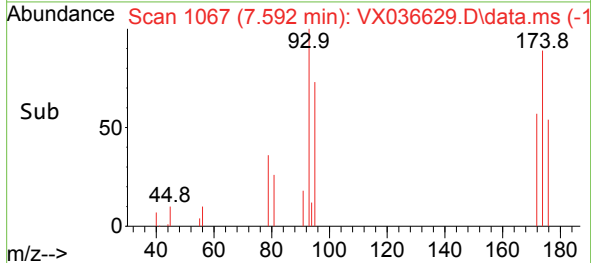
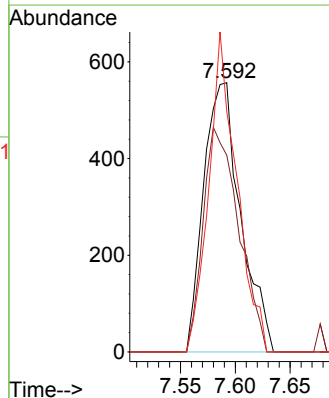
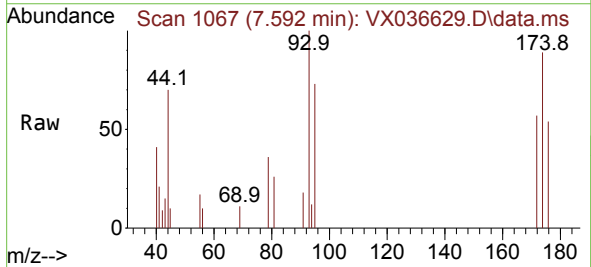
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

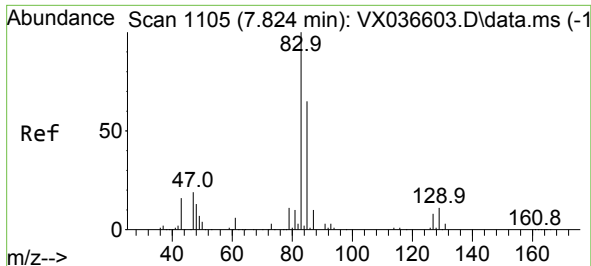
Tgt Ion: 63 Resp: 1696
Ion Ratio Lower Upper
63 100
65 26.5 24.3 36.5



#46
Dibromomethane
Concen: 0.778 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. 0.012 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

Tgt Ion: 93 Resp: 1308
Ion Ratio Lower Upper
93 100
95 80.1 66.6 100.0
174 89.6 69.4 104.0

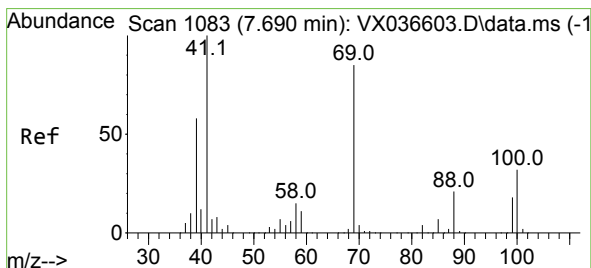
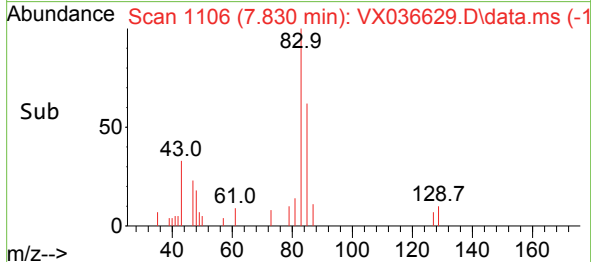
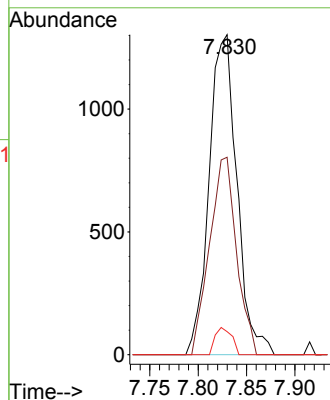
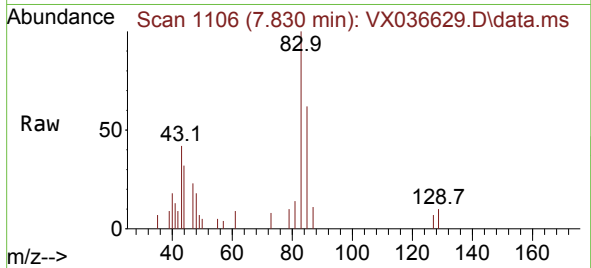




#47
Bromodichloromethane
Concen: 0.756 ug/l
RT: 7.830 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

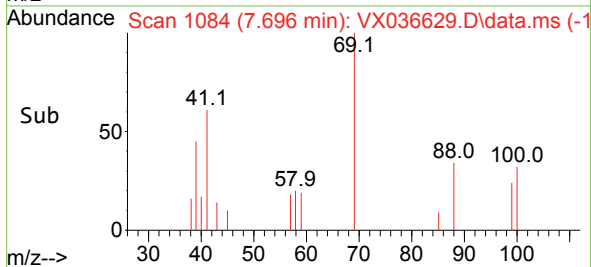
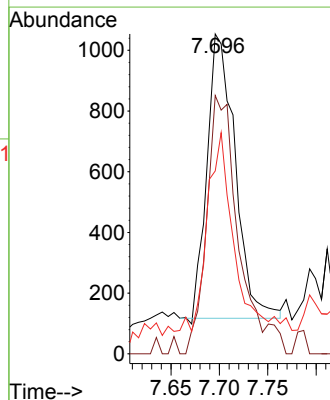
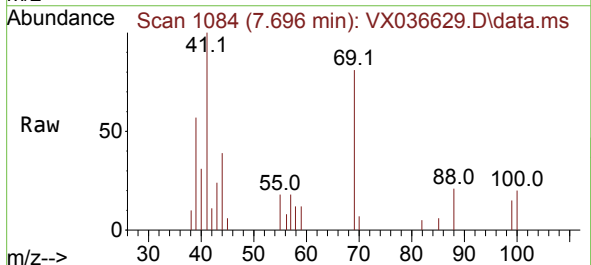
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

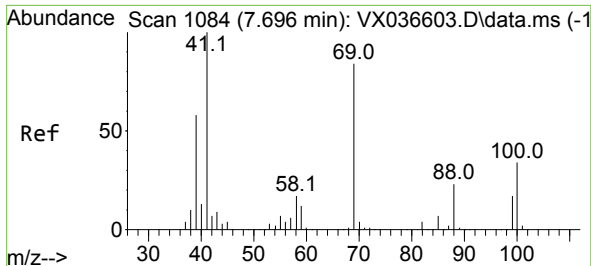
Tgt Ion: 83	Resp: 2610
Ion Ratio	Lower Upper
83 100	
85 61.7	49.8 74.6
127 7.2	7.1 10.7



#48
Methyl methacrylate
Concen: 0.673 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

Tgt Ion: 41	Resp: 1887		
Ion Ratio	Lower	Upper	
41	100		
69	103.3	59.2	88.8#
39	62.9	47.7	71.5





#49

1,4-Dioxane

Concen: 13.798 ug/l

RT: 7.714 min Scan# 1087

Delta R.T. 0.018 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

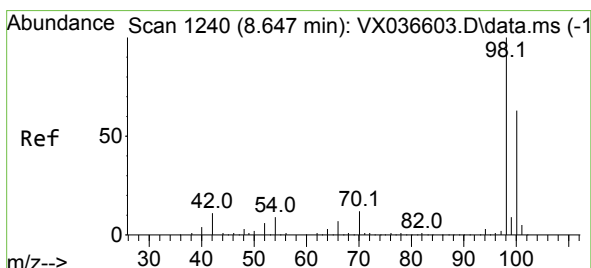
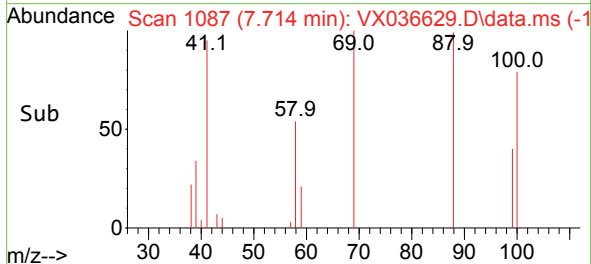
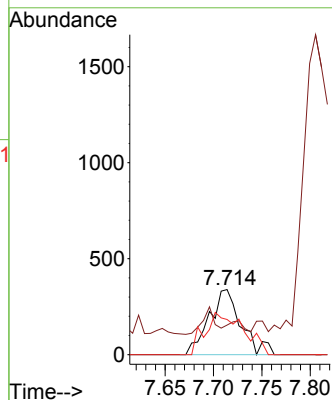
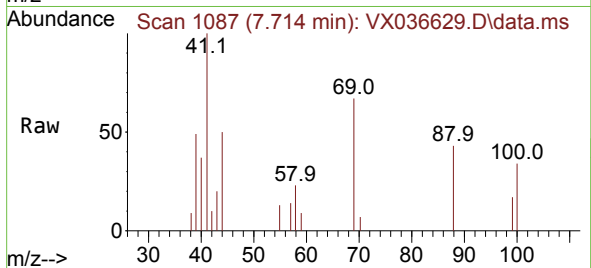
Tgt Ion: 88 Resp: 781

Ion Ratio Lower Upper

88 100

43 16.0 0.0 0.0#

58 77.8 60.1 90.1



#50

Toluene-d8

Concen: 49.469 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX036629.D

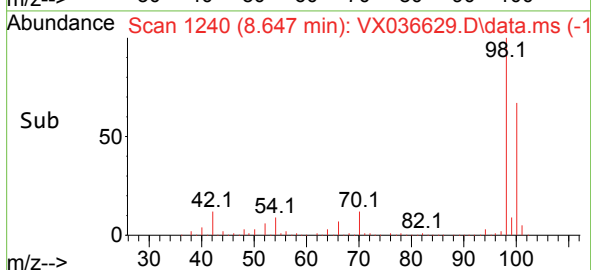
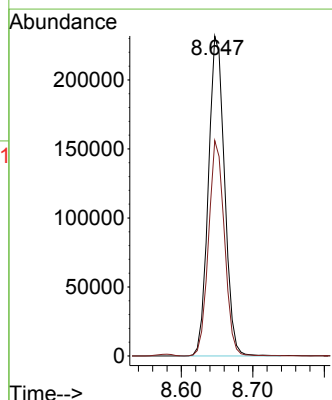
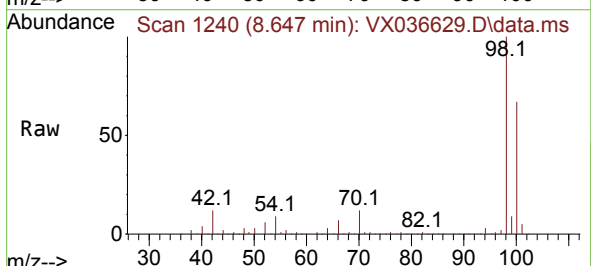
Acq: 24 Jul 2023 14:35

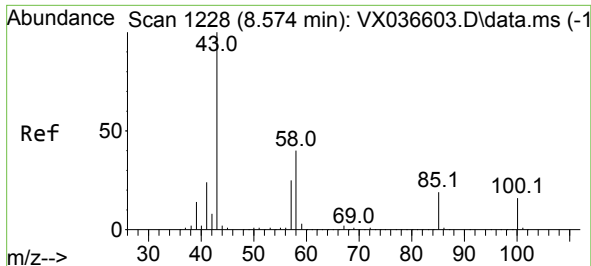
Tgt Ion: 98 Resp: 363957

Ion Ratio Lower Upper

98 100

100 66.1 53.1 79.7

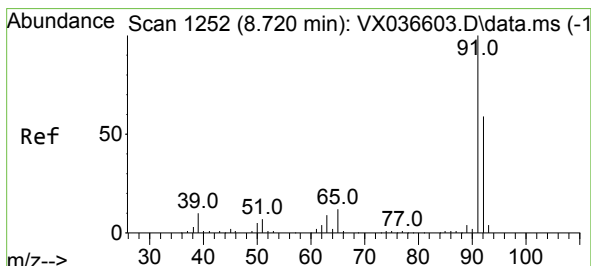
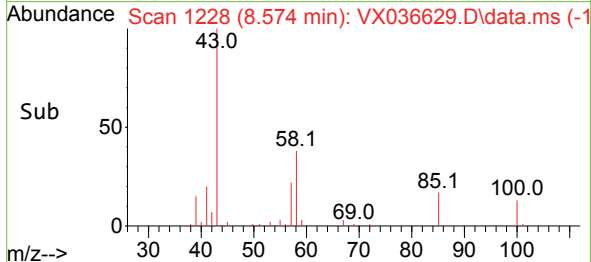
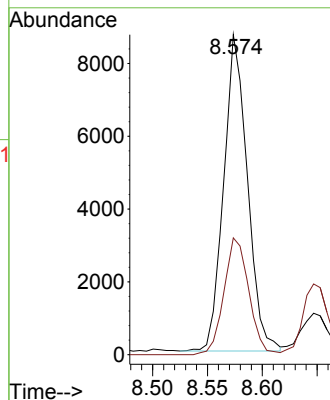
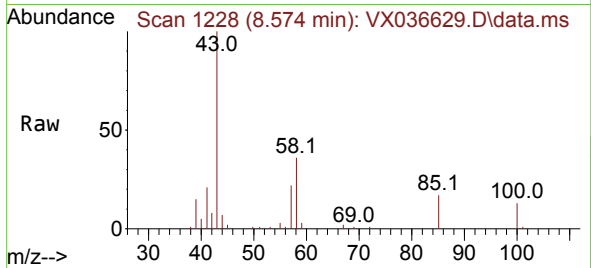




#51
4-Methyl-2-Pentanone
Concen: 3.918 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

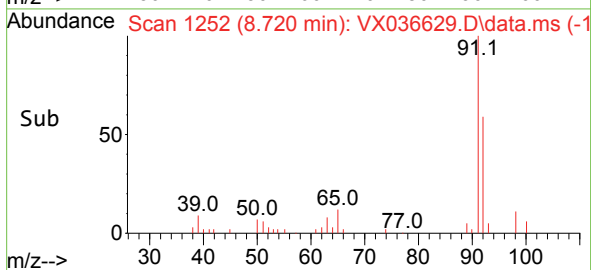
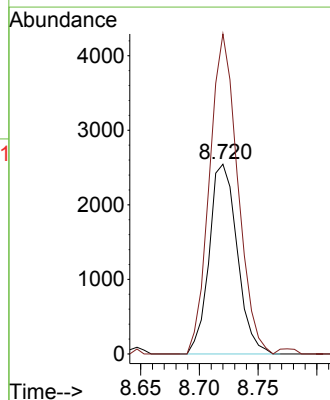
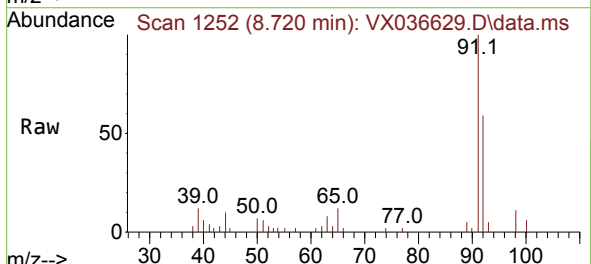
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

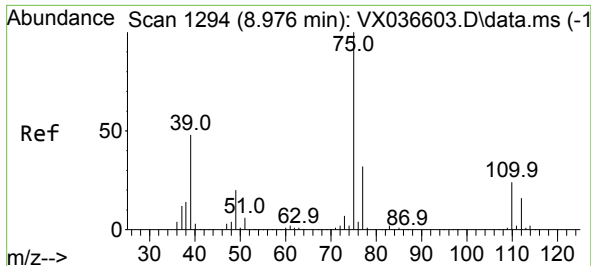
Tgt Ion: 43 Resp: 13063
Ion Ratio Lower Upper
43 100
58 38.7 30.4 45.6



#52
Toluene
Concen: 0.747 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

Tgt Ion: 92 Resp: 4212
Ion Ratio Lower Upper
92 100
91 169.9 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 0.683 ug/l

RT: 8.982 min Scan# 1195

Delta R.T. 0.006 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

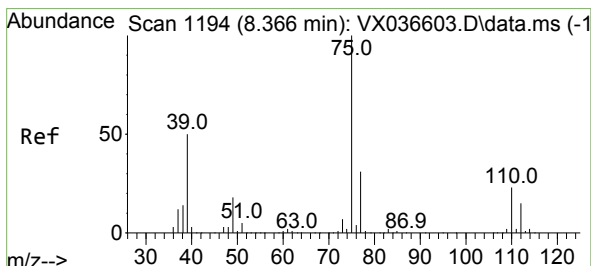
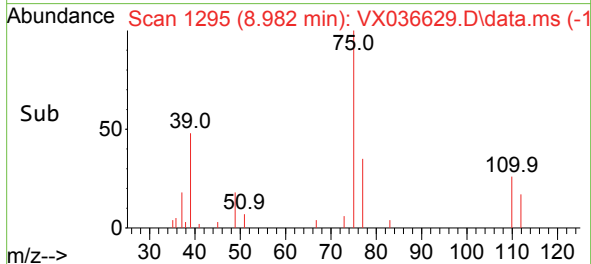
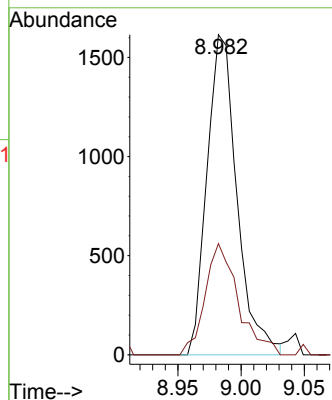
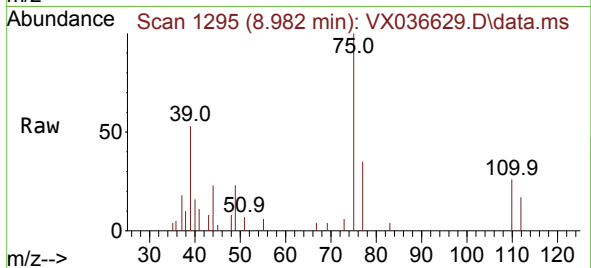
MDL-WATER-03-QT3-2023

Tgt Ion: 75 Resp: 2665

Ion Ratio Lower Upper

75 100

77 34.7 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 0.700 ug/l

RT: 8.372 min Scan# 1195

Delta R.T. 0.006 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

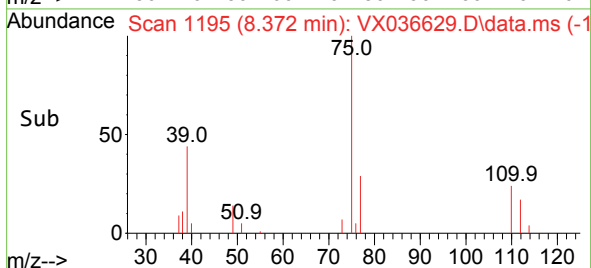
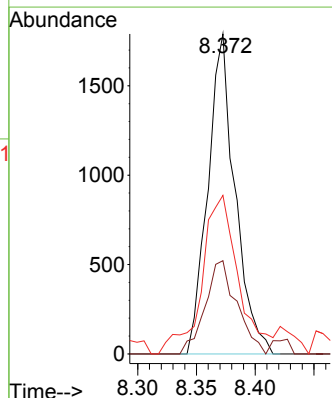
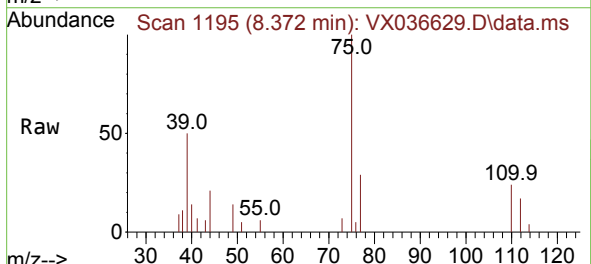
Tgt Ion: 75 Resp: 2881

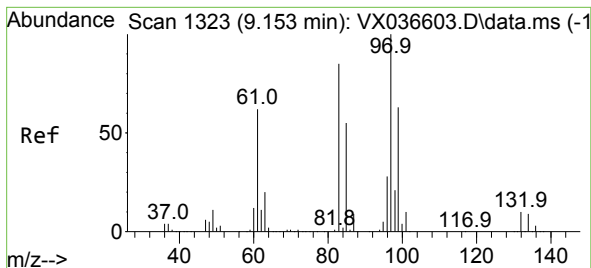
Ion Ratio Lower Upper

75 100

77 29.2 25.3 37.9

39 43.6 46.7 70.1#





#55

1,1,2-Trichloroethane

Concen: 0.727 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX036629.D

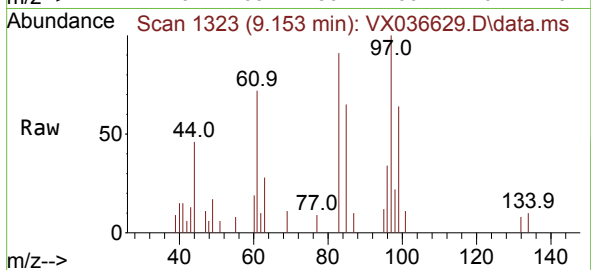
Acq: 24 Jul 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023



Tgt Ion: 97 Resp: 1723

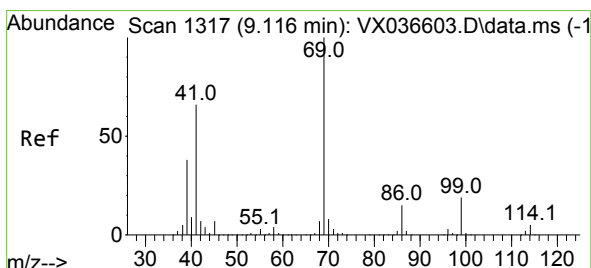
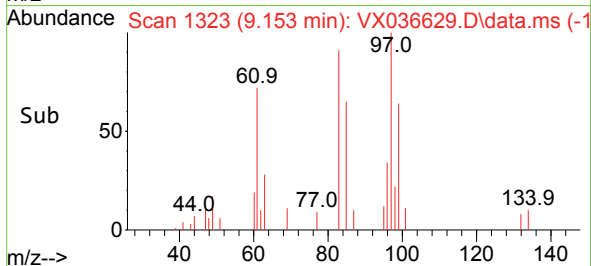
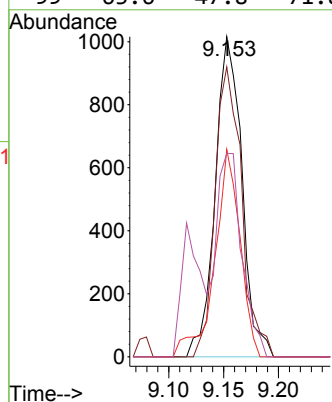
Ion Ratio Lower Upper

97 100

83 90.6 65.8 98.8

85 64.8 41.6 62.4#

99 63.6 47.8 71.8



#56

Ethyl methacrylate

Concen: 0.741 ug/l

RT: 9.122 min Scan# 1318

Delta R.T. 0.006 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

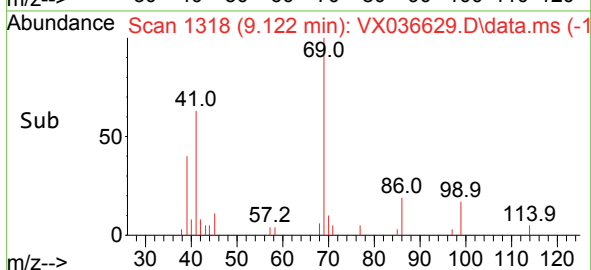
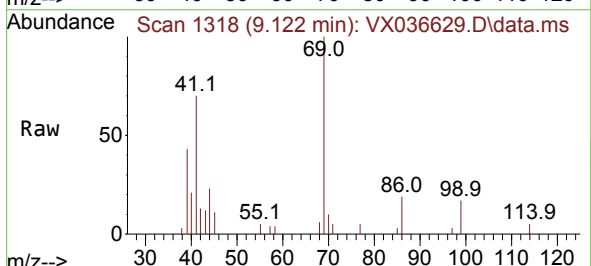
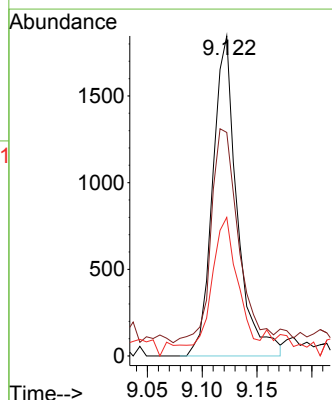
Tgt Ion: 69 Resp: 2859

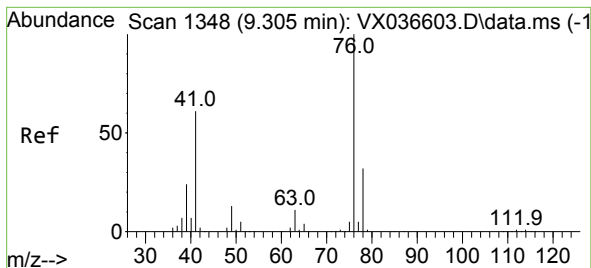
Ion Ratio Lower Upper

69 100

41 74.2 56.8 85.2

39 39.1 32.0 48.0





#57

1,3-Dichloropropane

Concen: 0.722 ug/l

RT: 9.311 min Scan# 11349

Delta R.T. 0.006 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

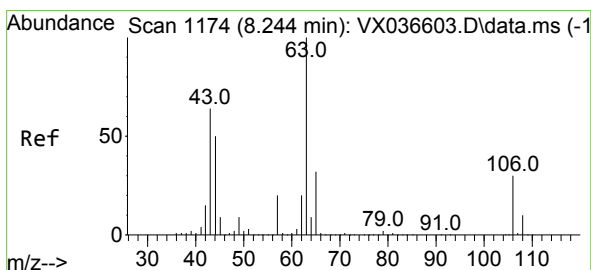
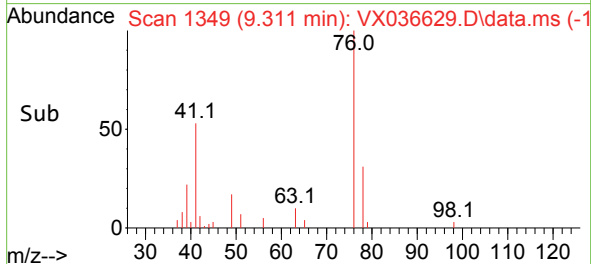
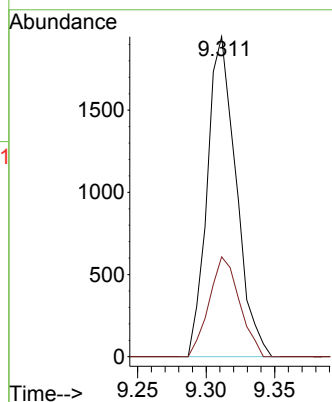
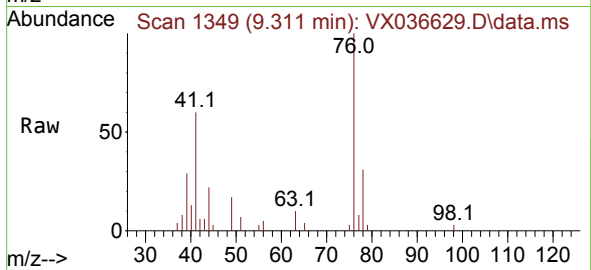
MDL-WATER-03-QT3-2023

Tgt Ion: 76 Resp: 2848

Ion Ratio Lower Upper

76 100

78 32.9 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 3.578 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. 0.000 min

Lab File: VX036629.D

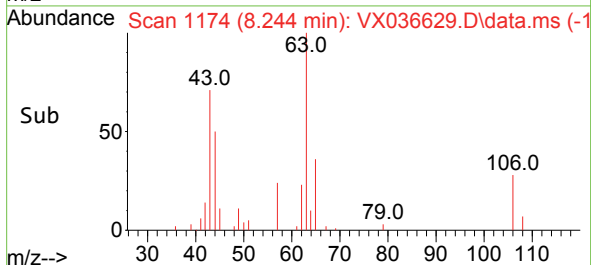
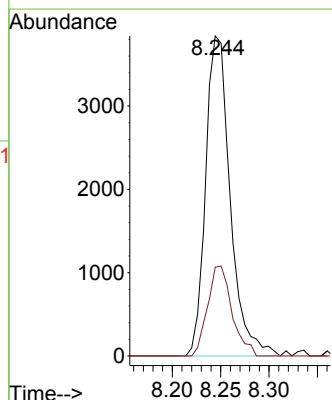
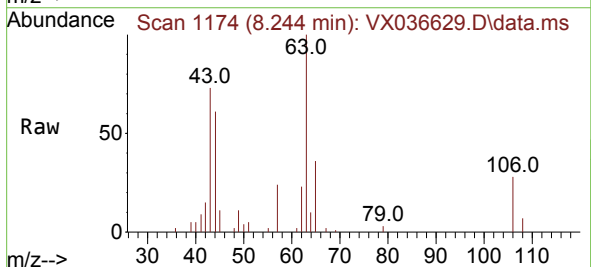
Acq: 24 Jul 2023 14:35

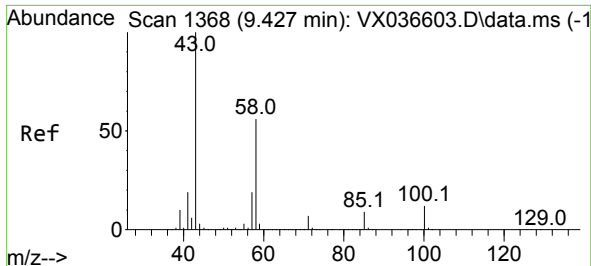
Tgt Ion: 63 Resp: 6802

Ion Ratio Lower Upper

63 100

106 27.8 22.5 33.7





#59

2-Hexanone

Concen: 3.704 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

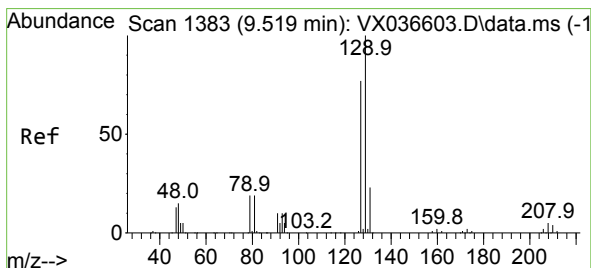
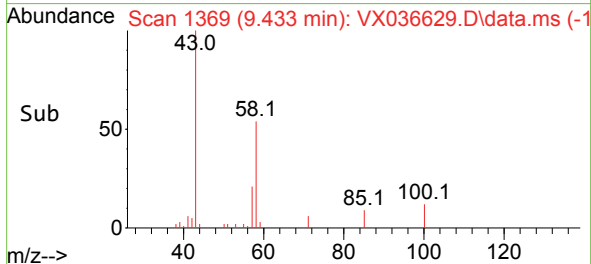
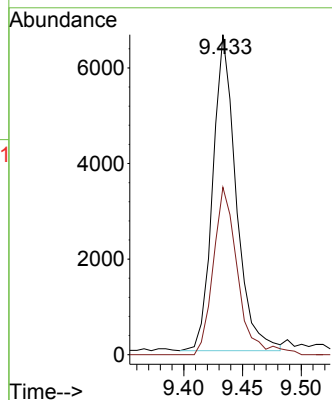
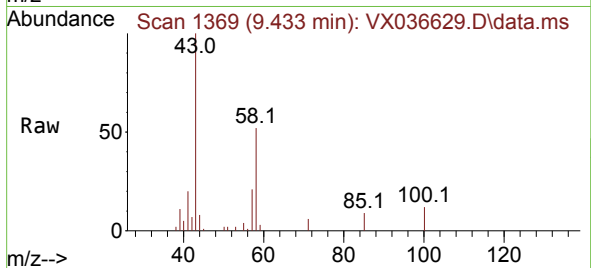
MDL-WATER-03-QT3-2023

Tgt Ion: 43 Resp: 9165

Ion Ratio Lower Upper

43 100

58 55.1 26.2 78.5



#60

Dibromochloromethane

Concen: 0.691 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. 0.006 min

Lab File: VX036629.D

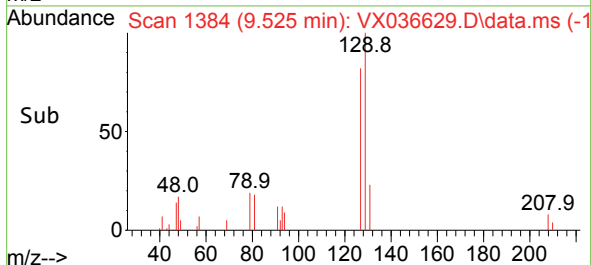
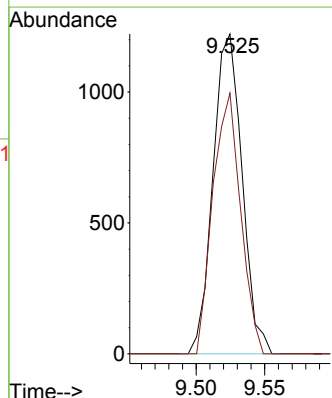
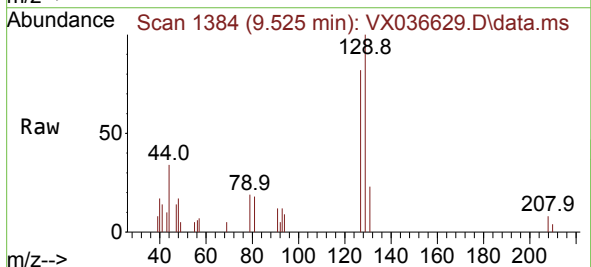
Acq: 24 Jul 2023 14:35

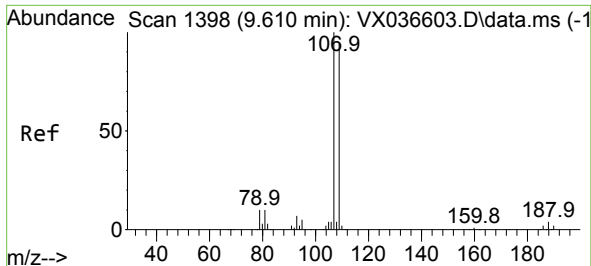
Tgt Ion: 129 Resp: 1800

Ion Ratio Lower Upper

129 100

127 77.9 38.8 116.4

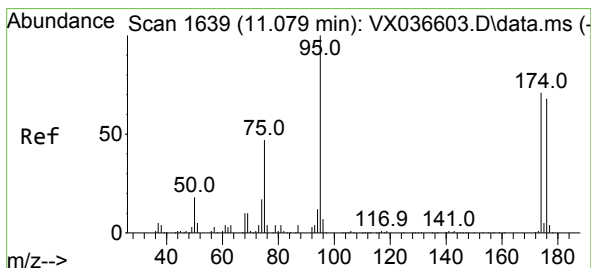
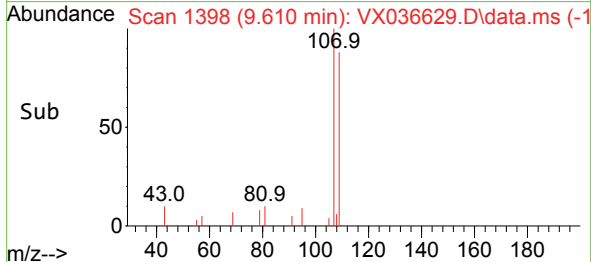
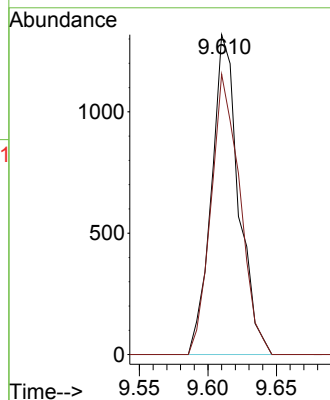
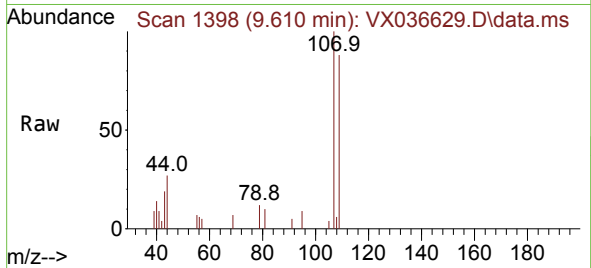




#61
1,2-Dibromoethane
Concen: 0.742 ug/l
RT: 9.610 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

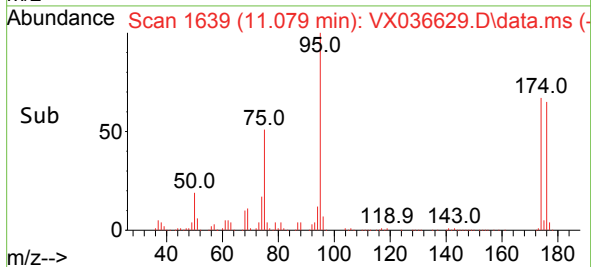
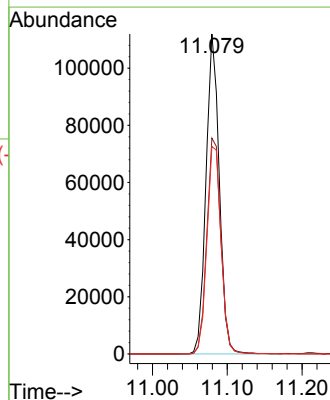
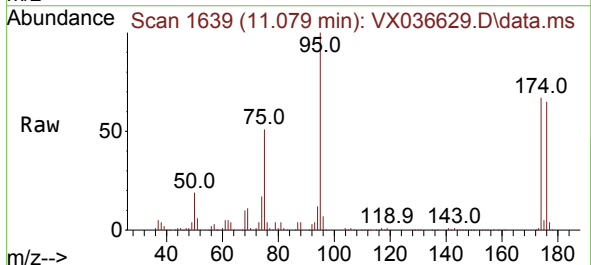
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

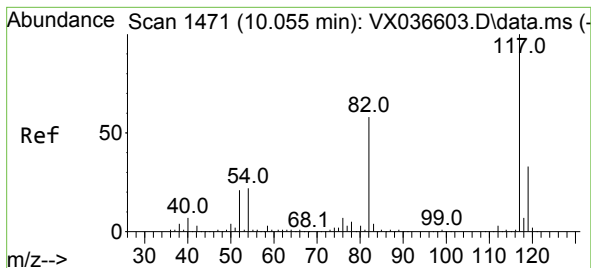
Tgt Ion:107 Resp: 1822
Ion Ratio Lower Upper
107 100
109 92.8 75.2 112.8



#62
4-Bromofluorobenzene
Concen: 49.817 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

Tgt Ion: 95 Resp: 138280
Ion Ratio Lower Upper
95 100
174 71.4 0.0 135.6
176 68.9 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: VX036629.D

Acq: 24 Jul 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

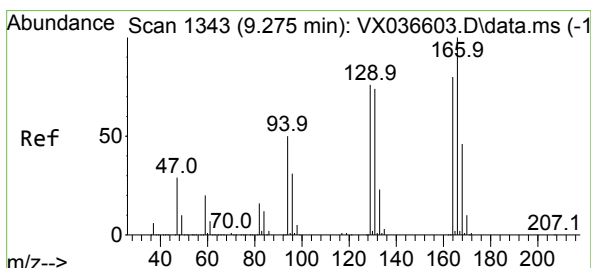
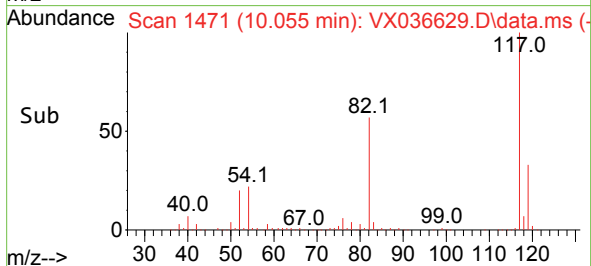
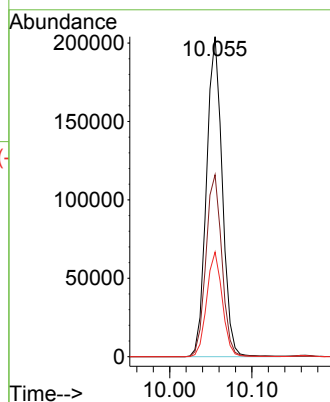
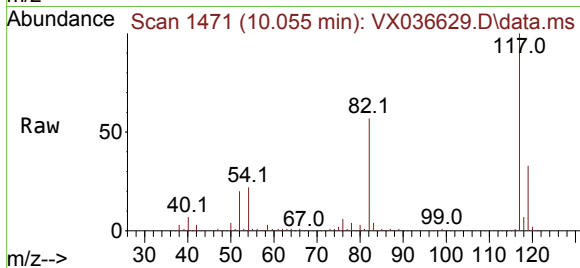
Tgt Ion:117 Resp: 271557

Ion Ratio Lower Upper

117 100

82 56.9 46.2 69.4

119 32.7 25.5 38.3



#64

Tetrachloroethene

Concen: 0.743 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Tgt Ion:164 Resp: 1505

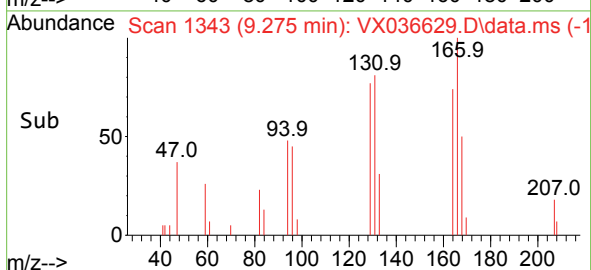
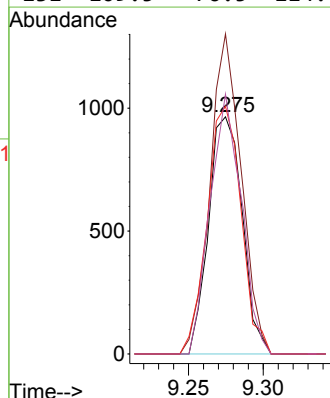
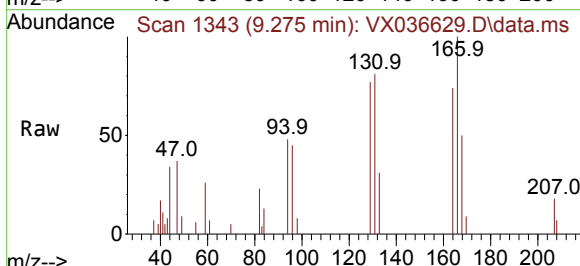
Ion Ratio Lower Upper

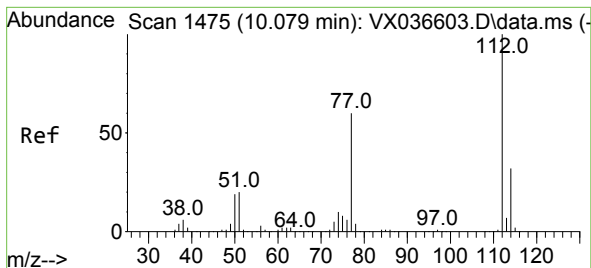
164 100

166 134.9 102.7 154.1

129 104.5 80.4 120.6

131 109.5 76.5 114.7





#65

Chlorobenzene

Concen: 0.737 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

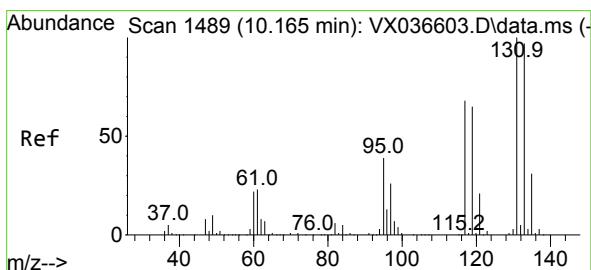
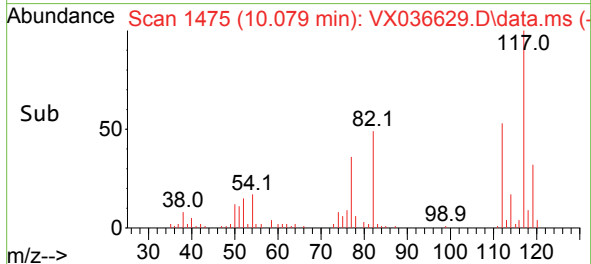
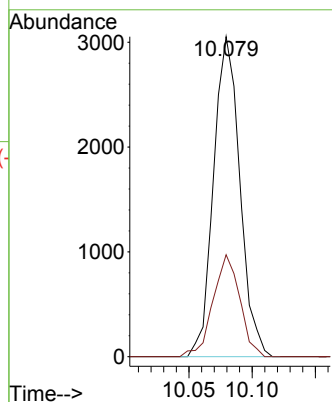
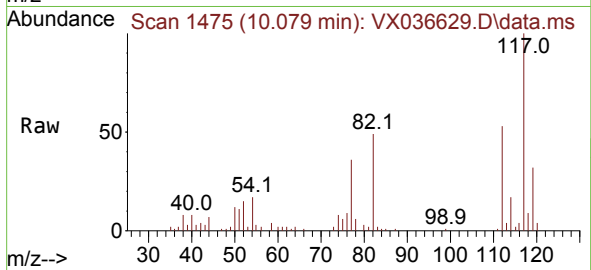
MDL-WATER-03-QT3-2023

Tgt Ion:112 Resp: 4413

Ion Ratio Lower Upper

112 100

114 31.8 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 0.749 ug/l

RT: 10.165 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

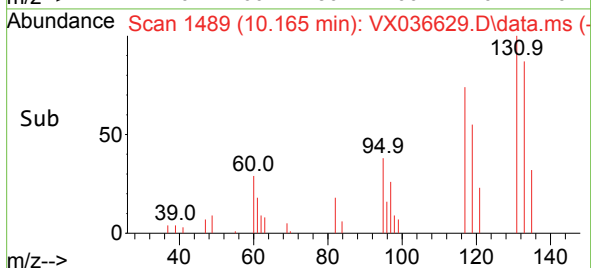
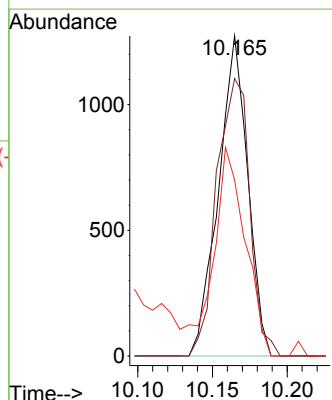
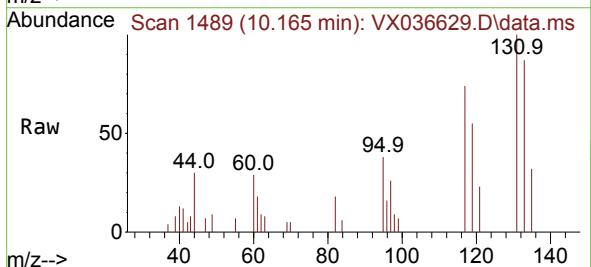
Tgt Ion:131 Resp: 1734

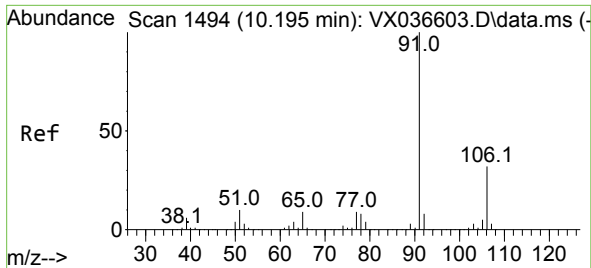
Ion Ratio Lower Upper

131 100

133 97.5 47.1 141.4

119 0.0 32.2 96.6#

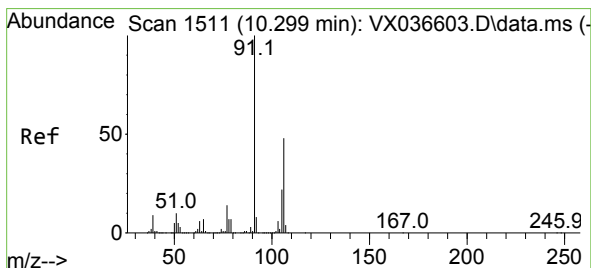
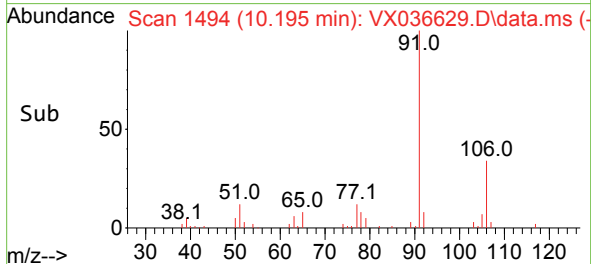
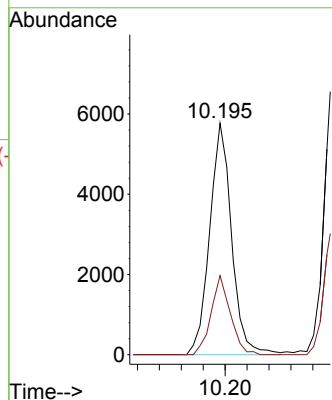
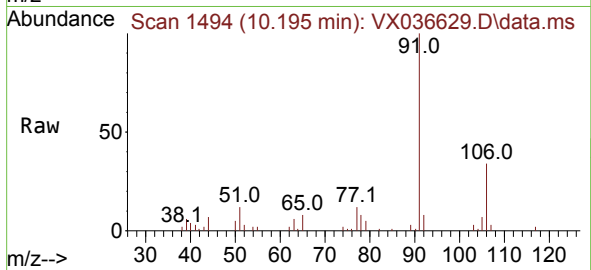




#67
Ethyl Benzene
Concen: 0.734 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

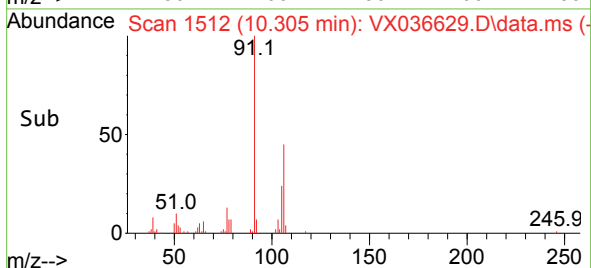
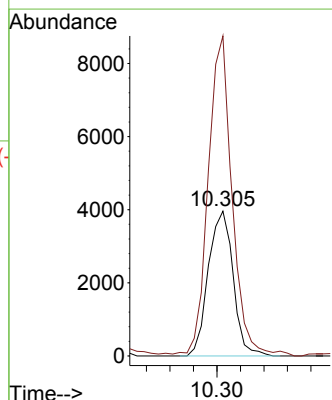
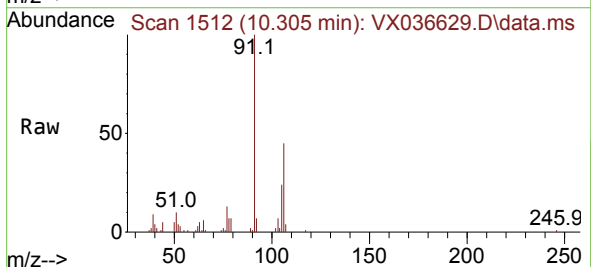
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

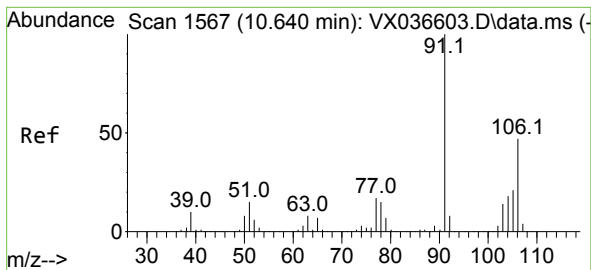
Tgt Ion: 91 Resp: 8022
Ion Ratio Lower Upper
91 100
106 34.2 24.9 37.3



#68
m/p-Xylenes
Concen: 1.424 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

Tgt Ion: 106 Resp: 5810
Ion Ratio Lower Upper
106 100
91 213.1 165.5 248.3





#69

o-Xylene

Concen: 0.738 ug/l

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

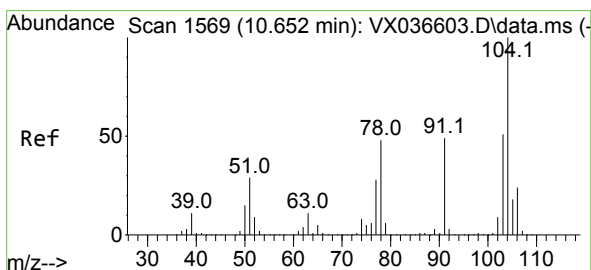
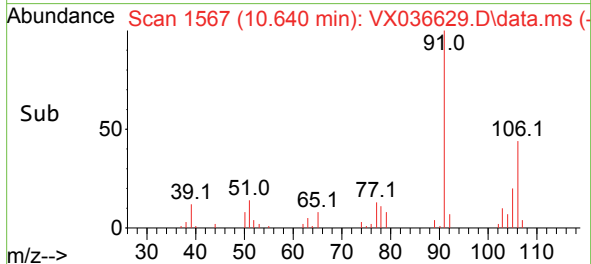
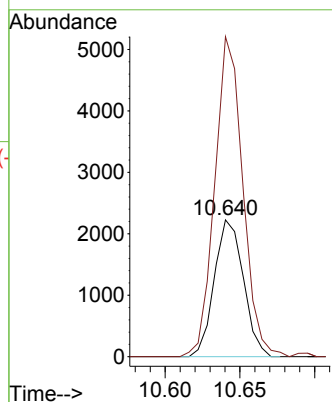
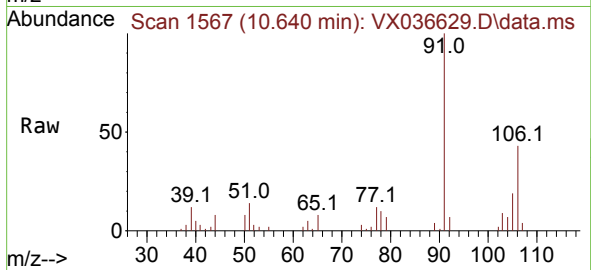
MDL-WATER-03-QT3-2023

Tgt Ion:106 Resp: 3006

Ion Ratio Lower Upper

106 100

91 226.0 108.9 326.8



#70

Styrene

Concen: 0.707 ug/l

RT: 10.659 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

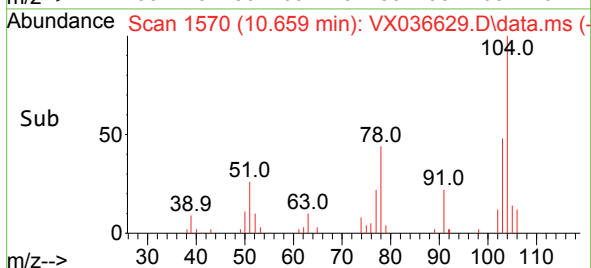
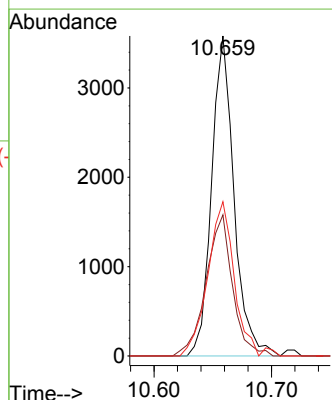
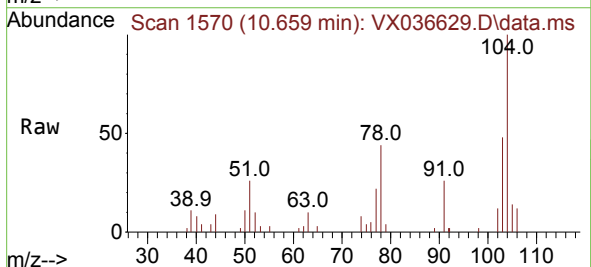
Tgt Ion:104 Resp: 4748

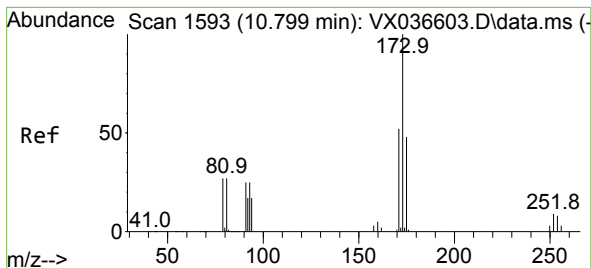
Ion Ratio Lower Upper

104 100

78 52.1 43.6 65.4

103 57.5 43.6 65.4





#71

Bromoform

Concen: 0.744 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

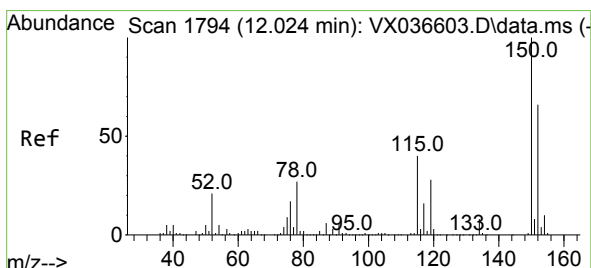
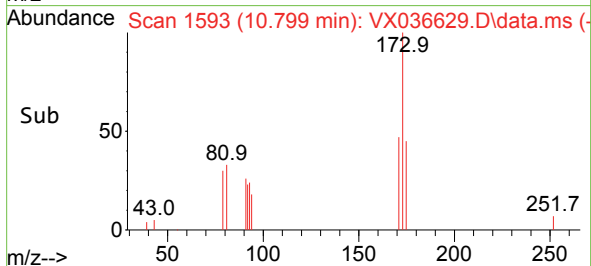
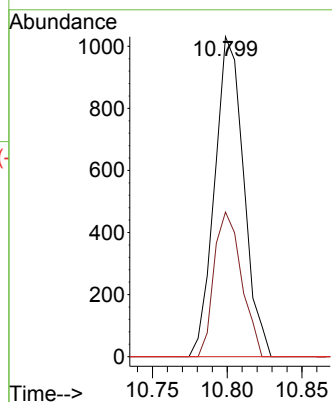
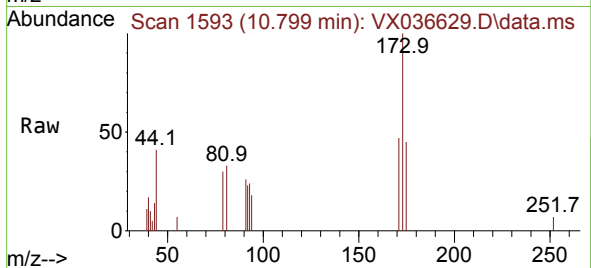
Tgt Ion:173 Resp: 1393

Ion Ratio Lower Upper

173 100

175 42.6 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: VX036629.D

Acq: 24 Jul 2023 14:35

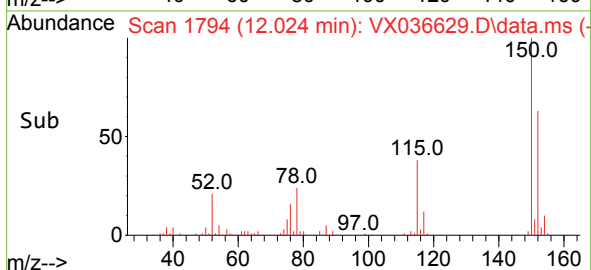
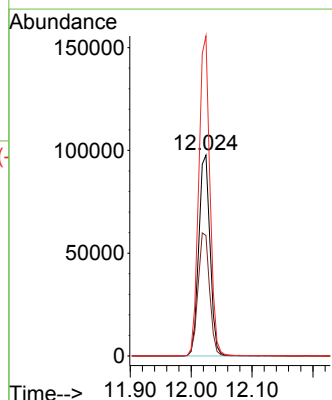
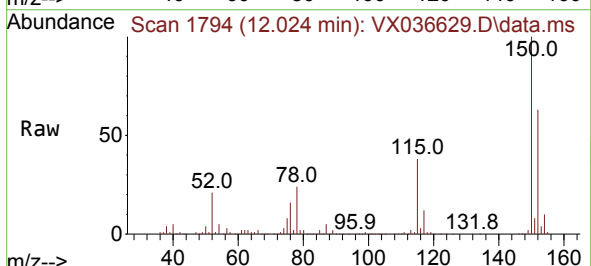
Tgt Ion:152 Resp: 126404

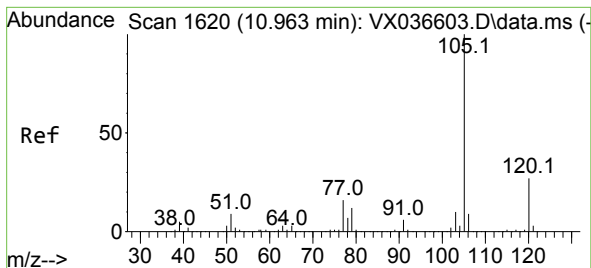
Ion Ratio Lower Upper

152 100

115 62.3 43.3 129.9

150 156.7 0.0 345.0





#73

Isopropylbenzene

Concen: 0.703 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

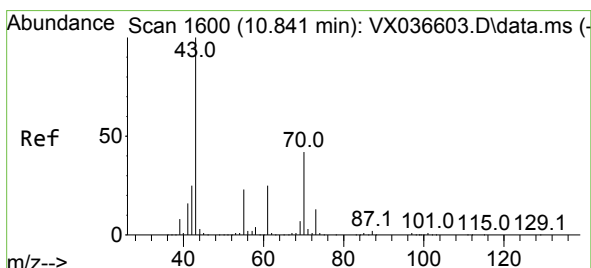
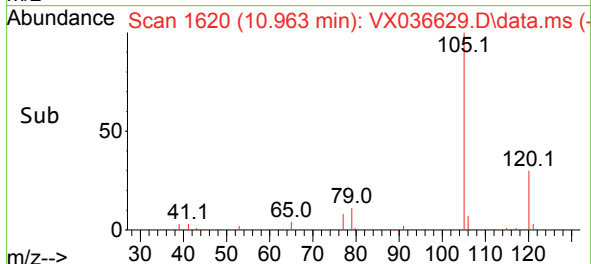
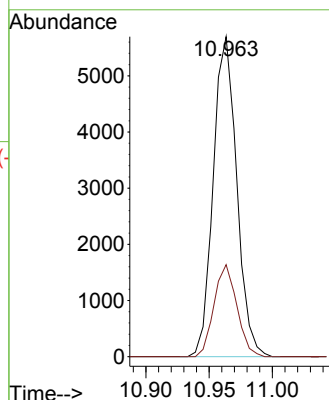
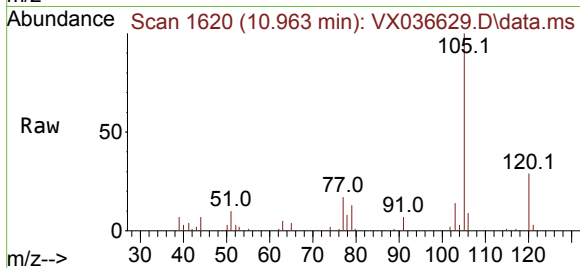
MDL-WATER-03-QT3-2023

Tgt Ion:105 Resp: 7349

Ion Ratio Lower Upper

105 100

120 27.9 12.9 38.6



#74

N-ethyl acetate

Concen: 0.706 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Tgt Ion: 43 Resp: 3446

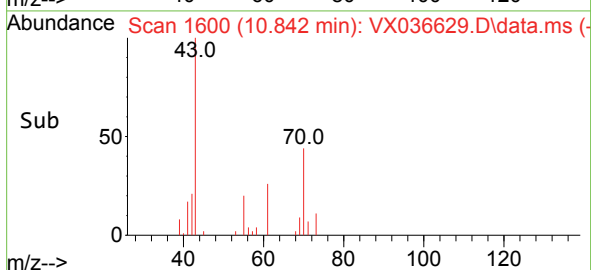
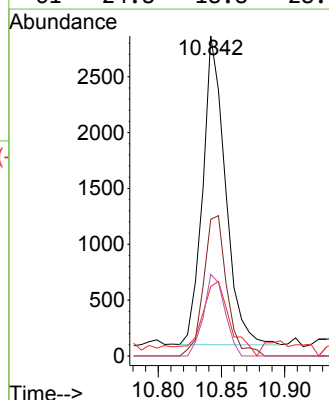
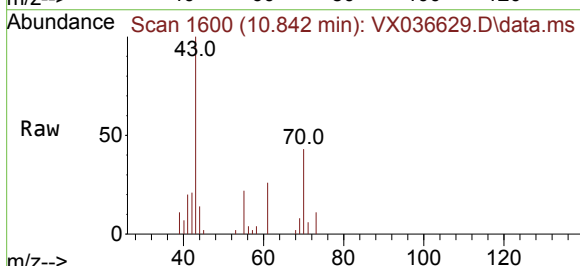
Ion Ratio Lower Upper

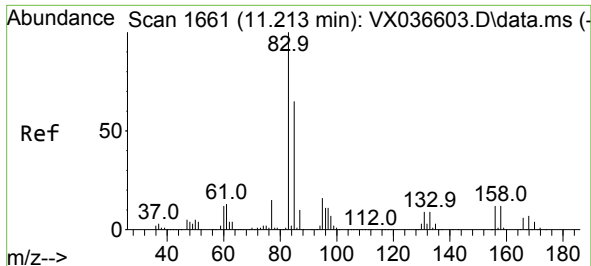
43 100

70 46.5 32.9 49.3

55 30.6 19.3 28.9#

61 24.8 18.8 28.2

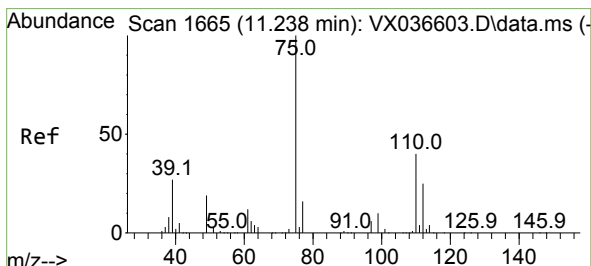
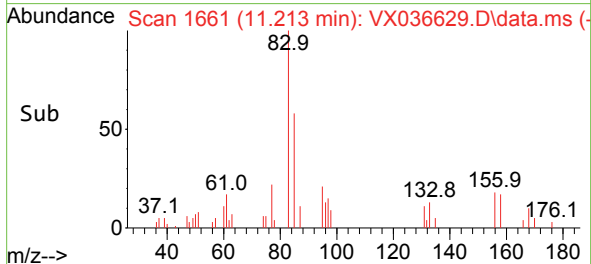
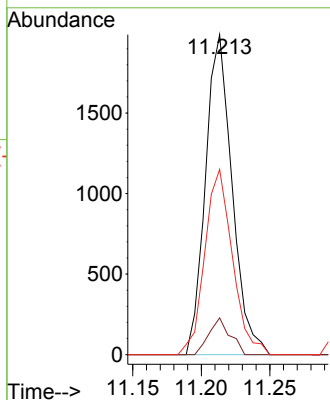
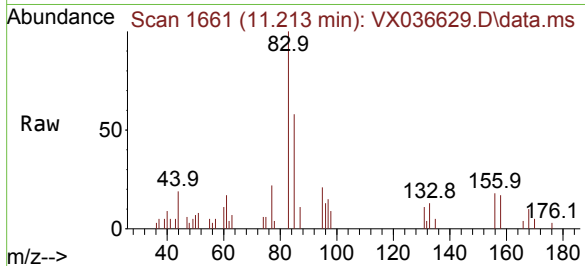




#75
1,1,2,2-Tetrachloroethane
Concen: 0.761 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

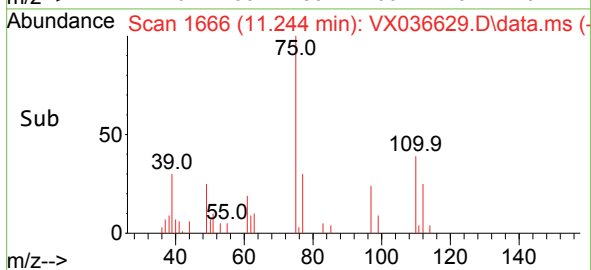
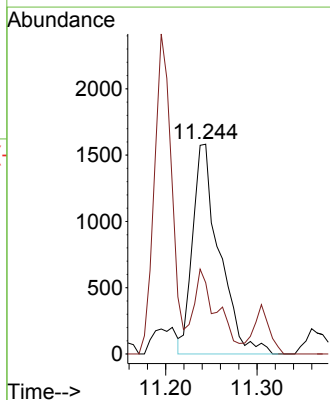
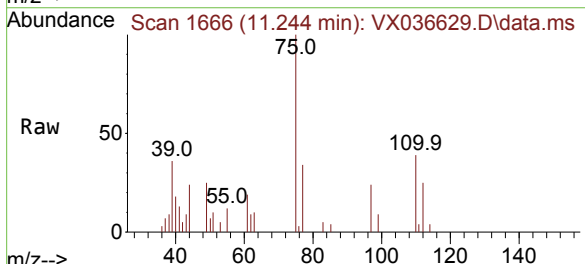
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

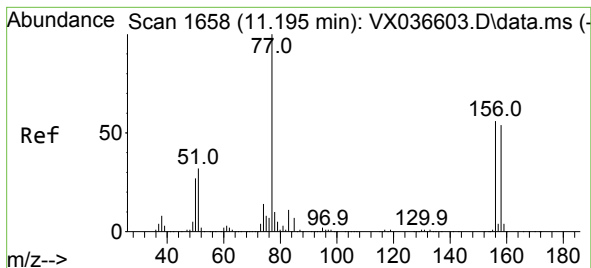
Tgt Ion: 83 Resp: 2689
Ion Ratio Lower Upper
83 100
131 9.1 5.3 15.8
85 60.2 32.0 96.2



#76
1,2,3-Trichloropropane
Concen: 1.081 ug/l
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

Tgt Ion: 75 Resp: 3215
Ion Ratio Lower Upper
75 100
77 36.0 19.1 57.5





#77

Bromobenzene

Concen: 0.749 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

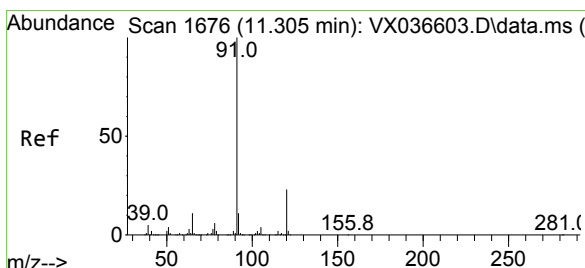
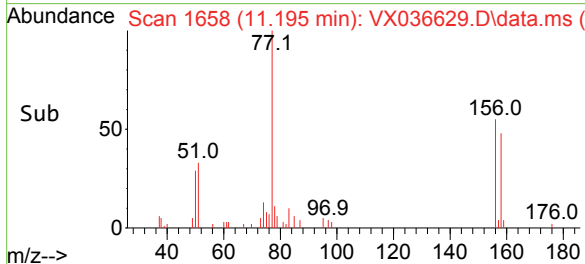
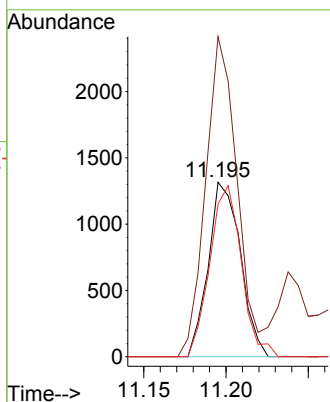
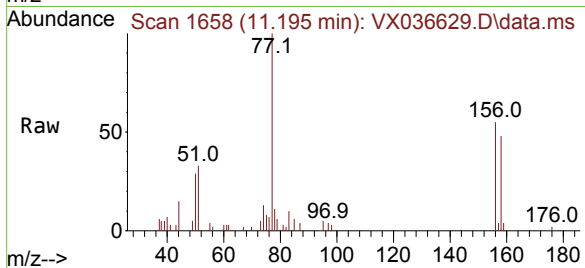
Tgt Ion:156 Resp: 1785

Ion Ratio Lower Upper

156 100

77 178.1 88.4 265.3

158 96.6 48.0 144.0



#78

n-propylbenzene

Concen: 0.743 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX036629.D

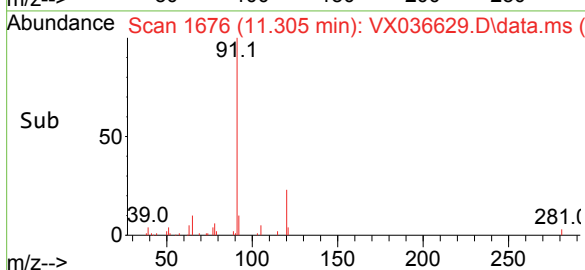
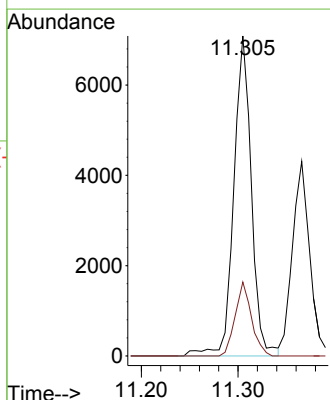
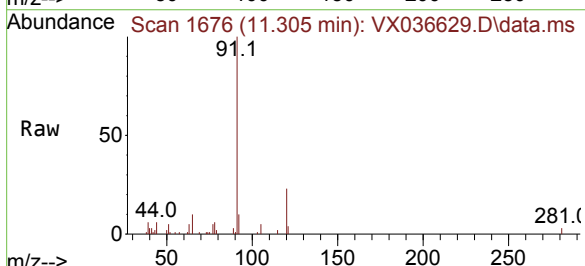
Acq: 24 Jul 2023 14:35

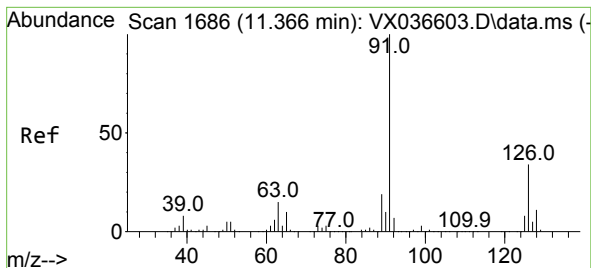
Tgt Ion: 91 Resp: 8984

Ion Ratio Lower Upper

91 100

120 21.4 11.5 34.4





#79

2-Chlorotoluene

Concen: 0.726 ug/l

RT: 11.366 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

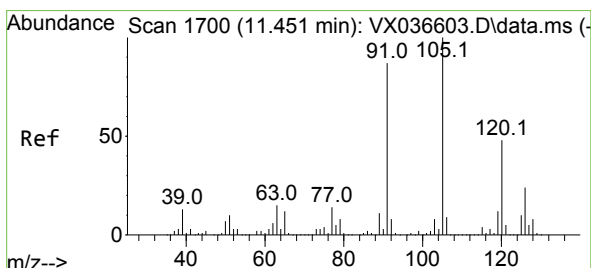
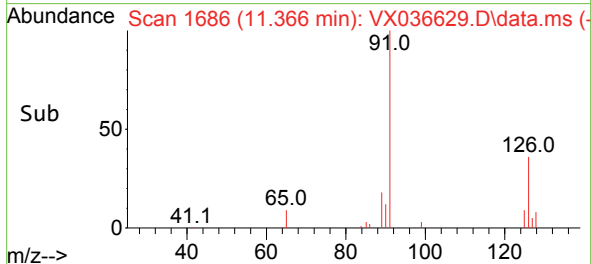
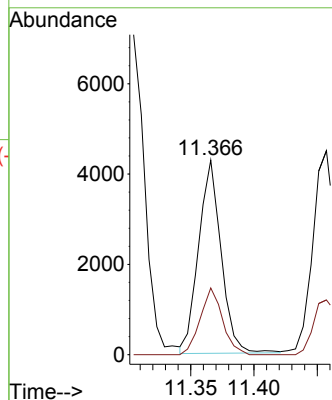
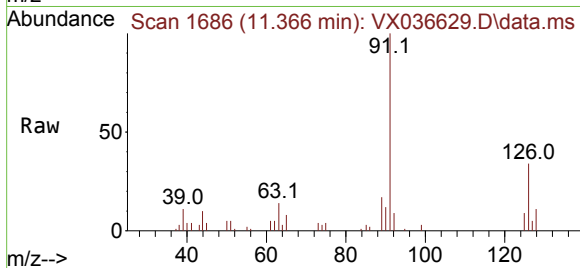
MDL-WATER-03-QT3-2023

Tgt Ion: 91 Resp: 5319

Ion Ratio Lower Upper

91 100

126 34.1 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 0.724 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX036629.D

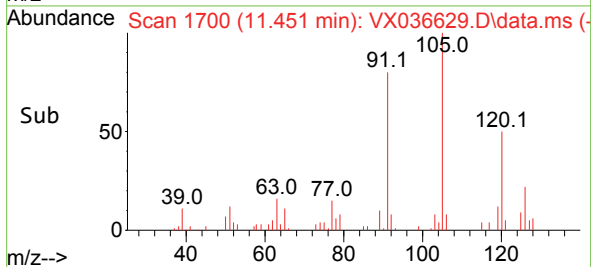
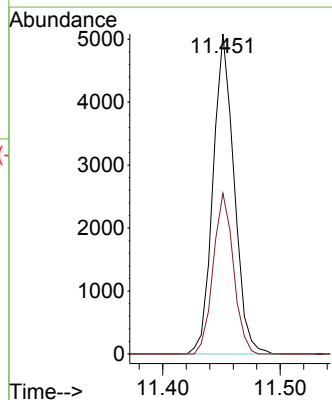
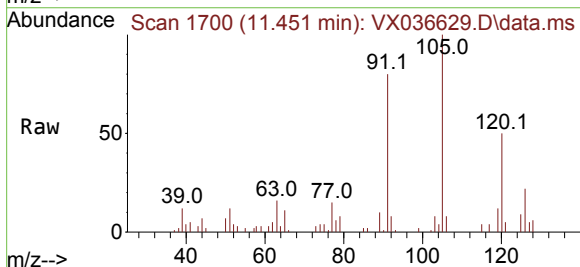
Acq: 24 Jul 2023 14:35

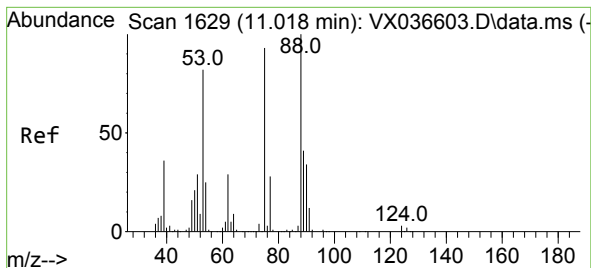
Tgt Ion: 105 Resp: 6332

Ion Ratio Lower Upper

105 100

120 48.2 24.1 72.3

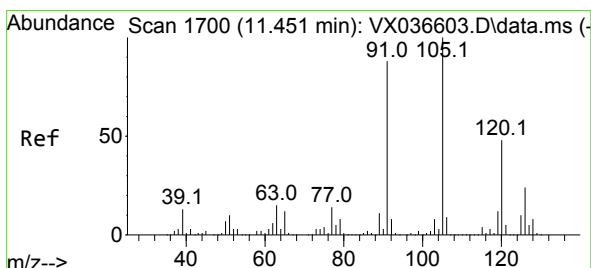
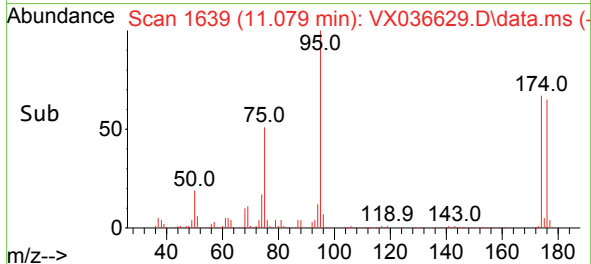
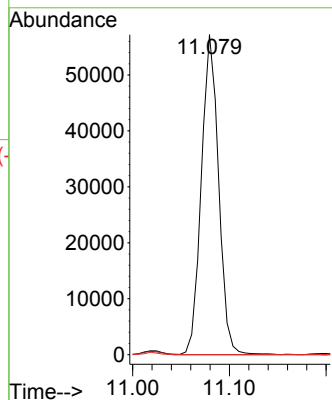
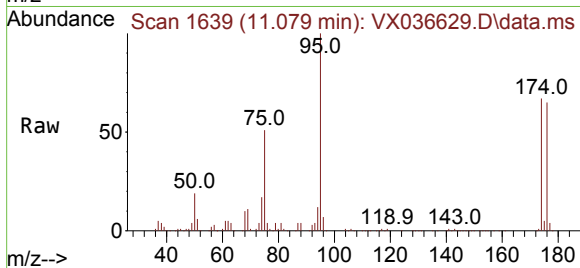




#81
trans-1,4-Dichloro-2-butene
Concen: 54.234 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

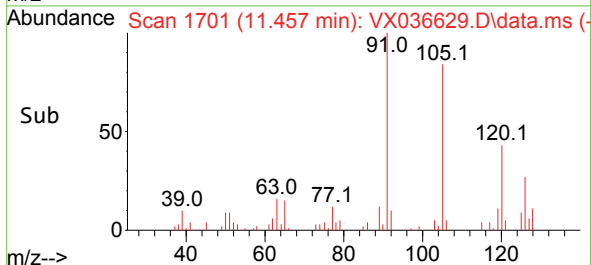
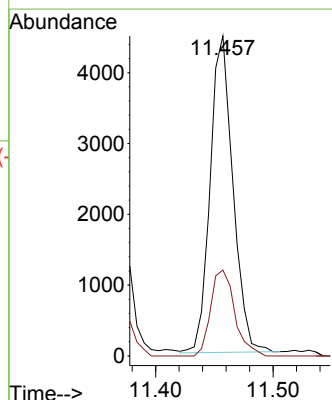
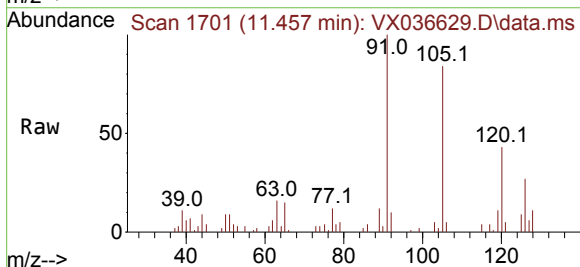
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

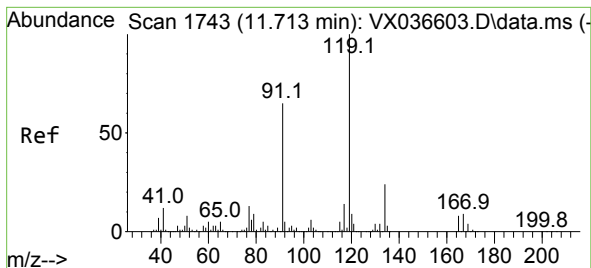
Tgt Ion: 75 Resp: 71142
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.722 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

Tgt Ion: 91 Resp: 6030
Ion Ratio Lower Upper
91 100
126 28.6 14.2 42.6





#83

tert-Butylbenzene

Concen: 0.747 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

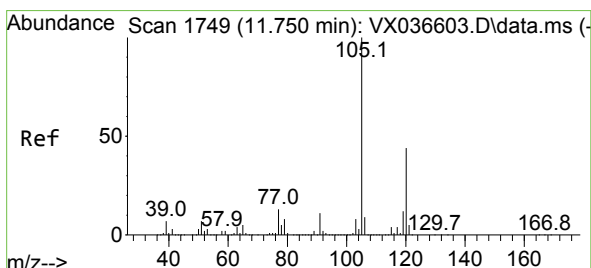
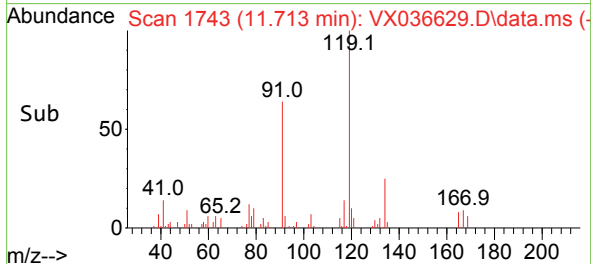
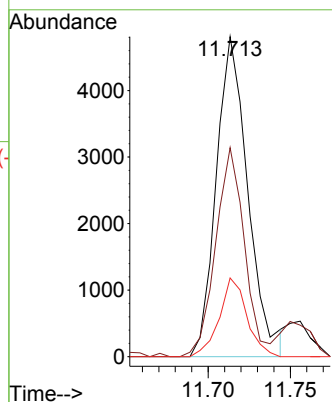
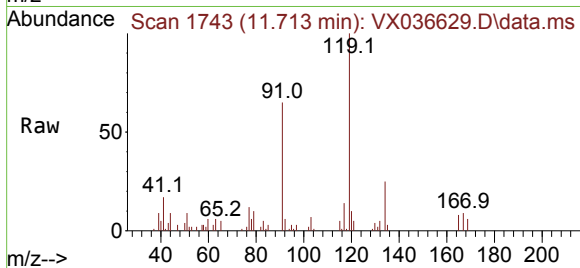
Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion:	119	Resp:	6426
Ion Ratio	Lower	Upper	
119	100		
91	59.5	31.2	93.6
134	21.6	11.7	35.0



#84

1,2,4-Trimethylbenzene

Concen: 0.663 ug/l

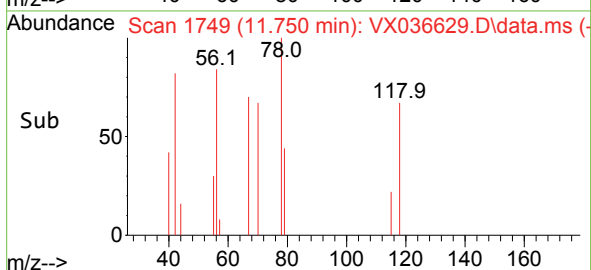
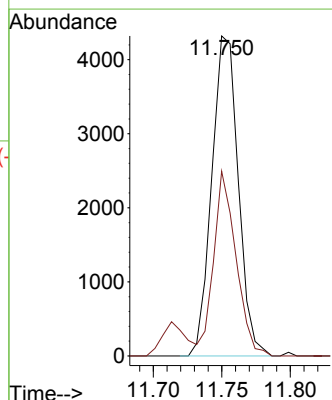
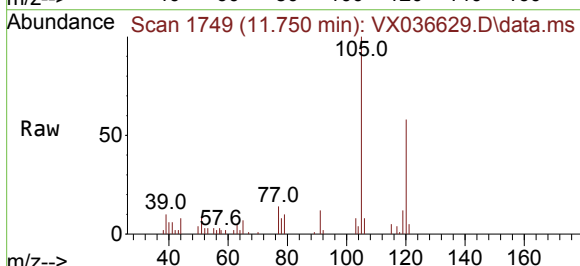
RT: 11.750 min Scan# 1749

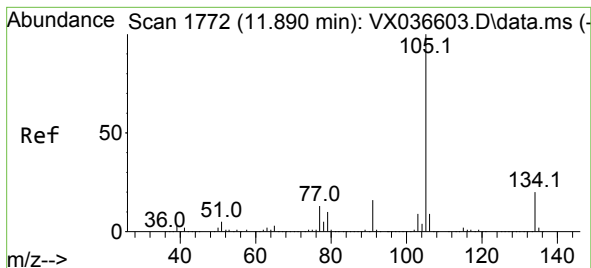
Delta R.T. 0.000 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Tgt Ion:	105	Resp:	5800
Ion Ratio	Lower	Upper	
105	100		
120	48.7	21.2	63.6





#85

sec-Butylbenzene

Concen: 0.691 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

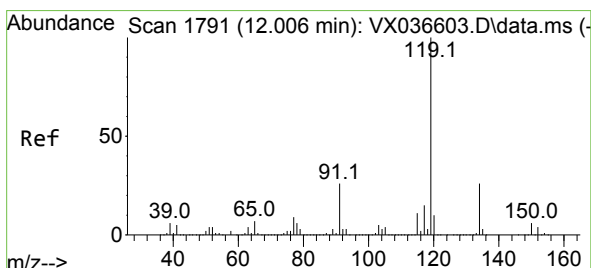
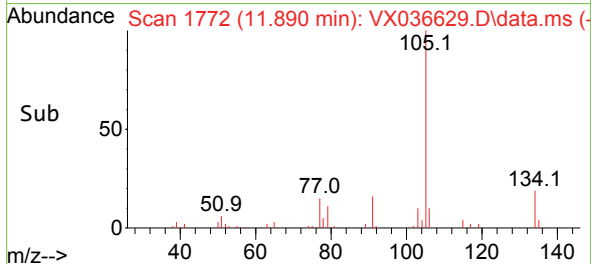
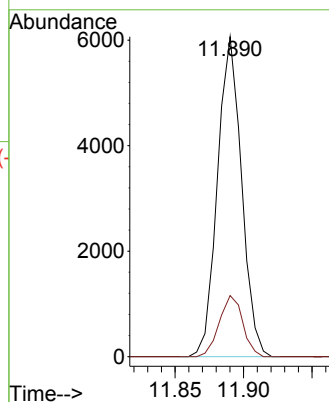
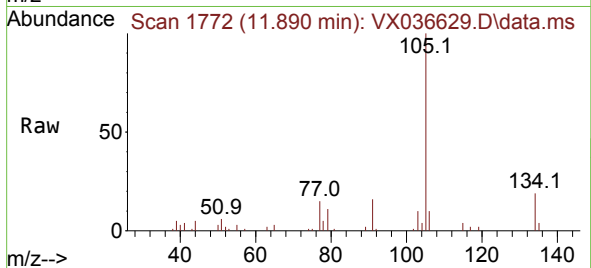
MDL-WATER-03-QT3-2023

Tgt Ion:105 Resp: 7410

Ion Ratio Lower Upper

105 100

134 18.6 9.8 29.4



#86

p-Isopropyltoluene

Concen: 0.737 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

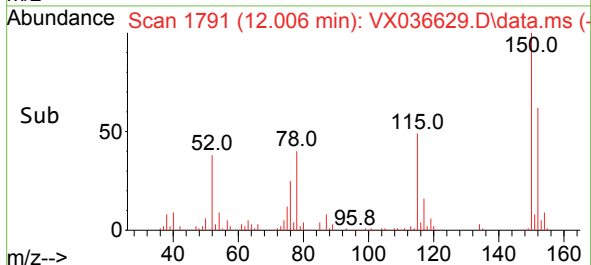
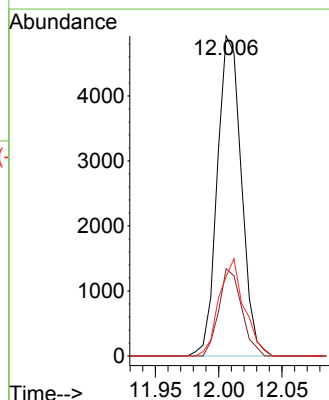
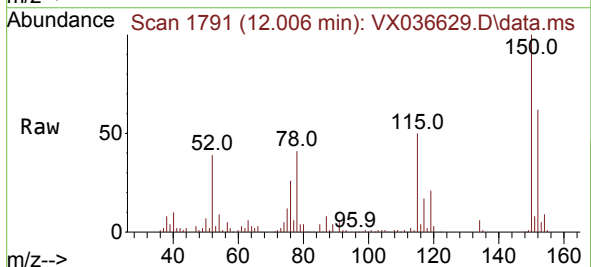
Tgt Ion:119 Resp: 6499

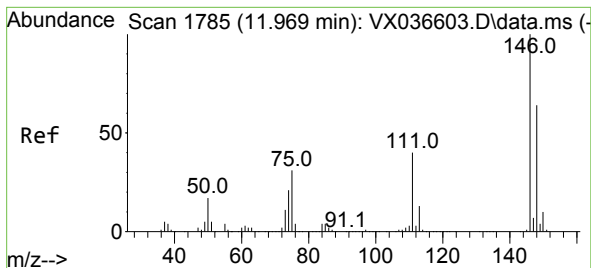
Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.3

91 31.7 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 0.732 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

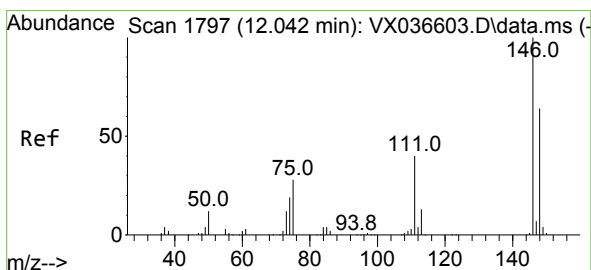
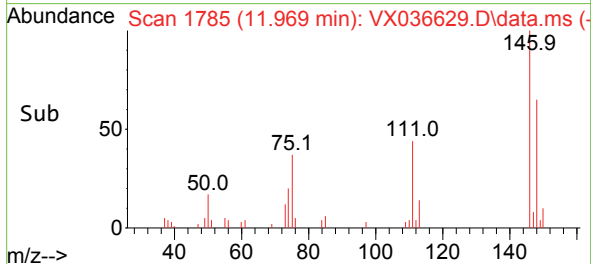
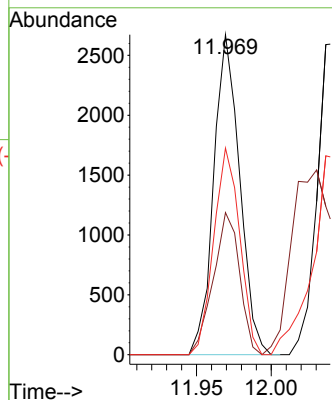
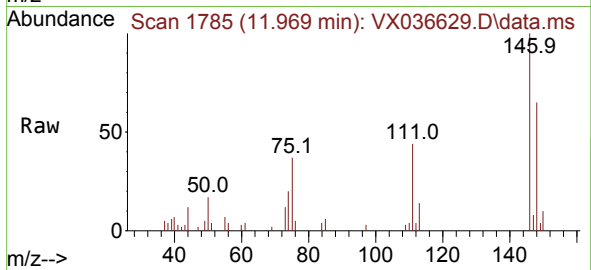
Tgt Ion:146 Resp: 3228

Ion Ratio Lower Upper

146 100

111 45.0 22.1 66.1

148 64.7 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.737 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.073 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

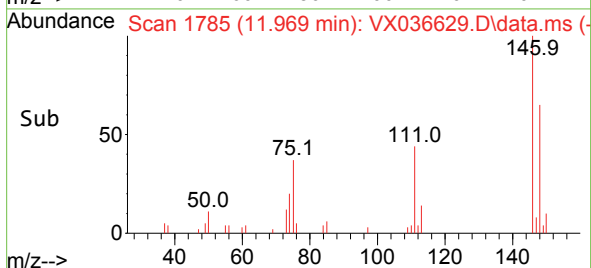
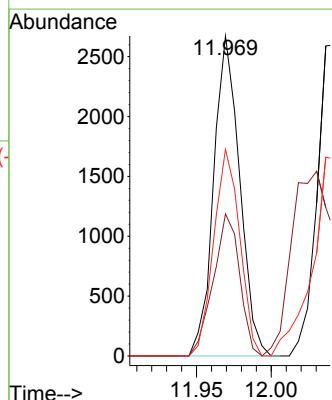
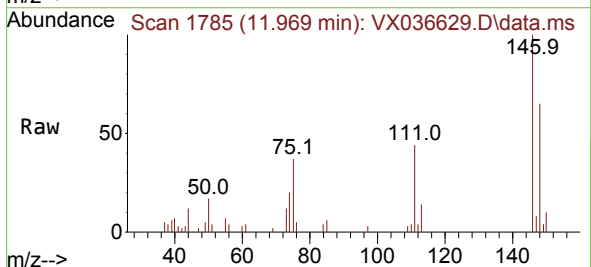
Tgt Ion:146 Resp: 3228

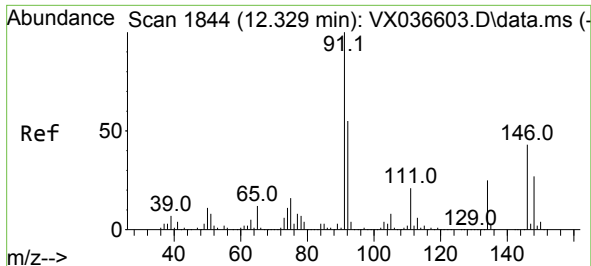
Ion Ratio Lower Upper

146 100

111 45.0 21.3 63.7

148 64.7 31.8 95.4





#89

n-Butylbenzene

Concen: 0.644 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

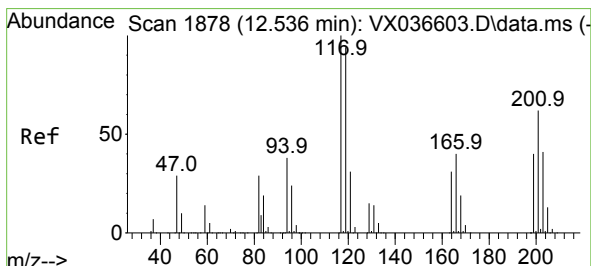
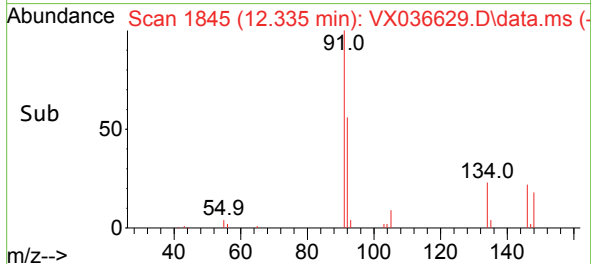
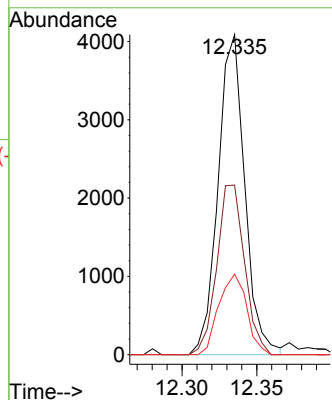
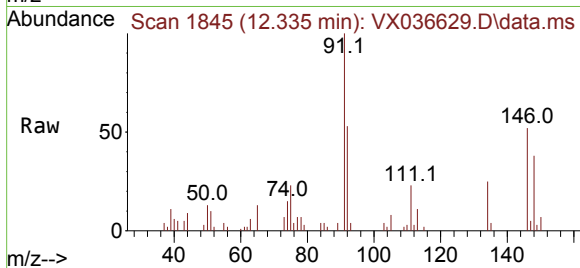
Tgt Ion: 91 Resp: 5083

Ion Ratio Lower Upper

91 100

92 55.0 27.4 82.0

134 26.3 12.6 37.8



#90

Hexachloroethane

Concen: 0.654 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX036629.D

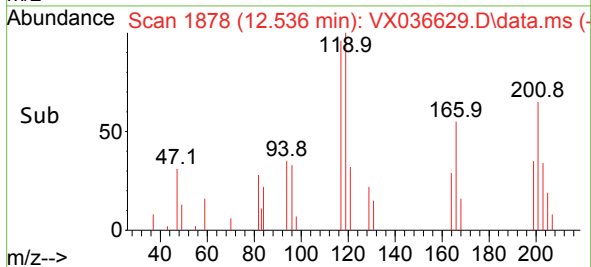
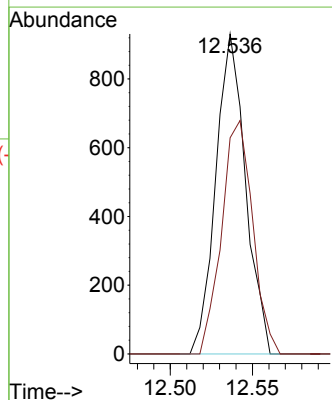
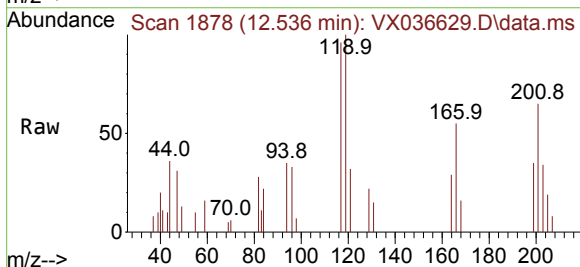
Acq: 24 Jul 2023 14:35

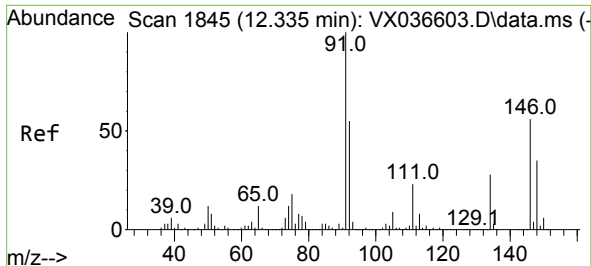
Tgt Ion: 117 Resp: 1170

Ion Ratio Lower Upper

117 100

201 76.3 32.9 98.6

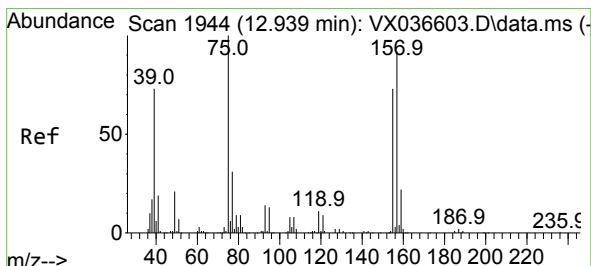
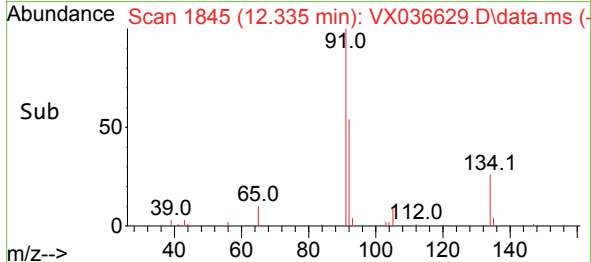
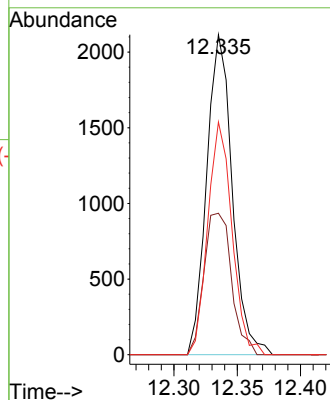
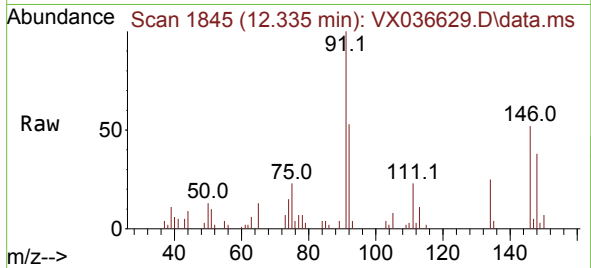




#91
1,2-Dichlorobenzene
Concen: 0.699 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

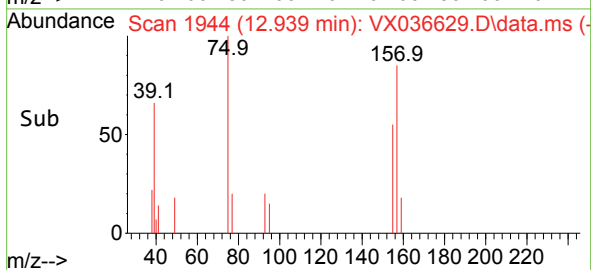
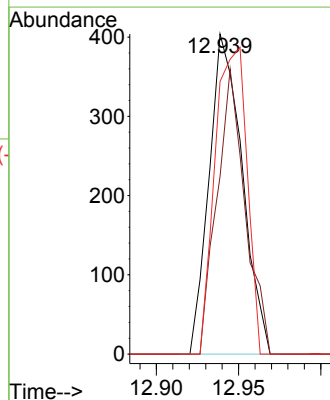
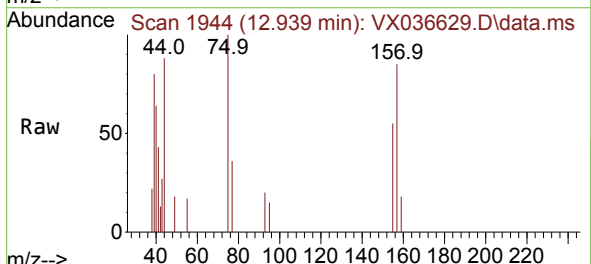
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

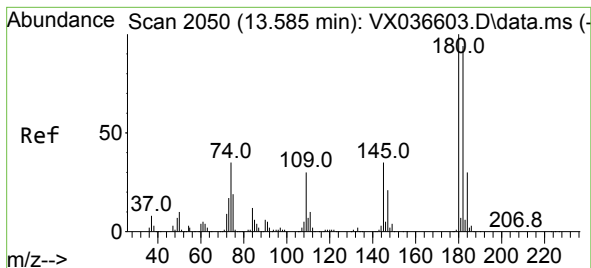
Tgt Ion:146 Resp: 2976
Ion Ratio Lower Upper
146 100
111 47.8 22.4 67.0
148 68.9 31.6 95.0



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.687 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX036629.D
Acq: 24 Jul 2023 14:35

Tgt Ion: 75 Resp: 564
Ion Ratio Lower Upper
75 100
155 75.9 36.1 108.5
157 92.4 44.9 134.7





#93

1,2,4-Trichlorobenzene

Concen: 0.684 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

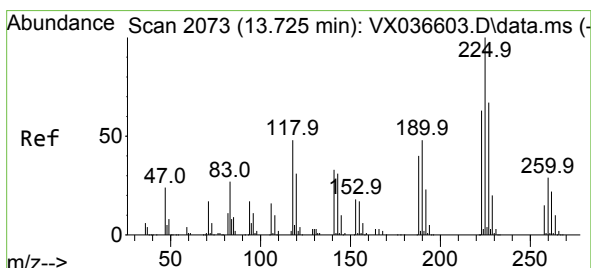
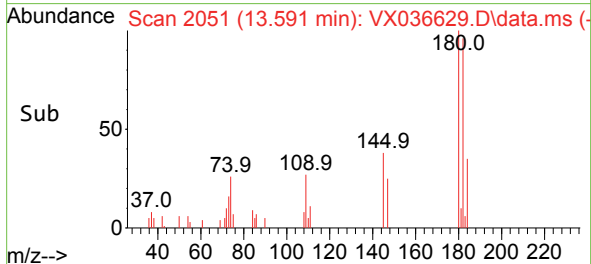
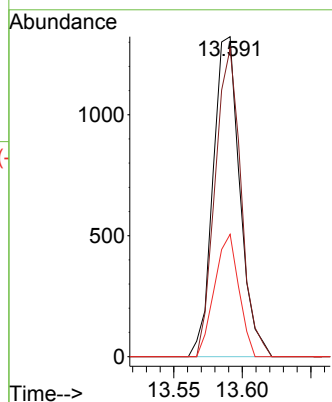
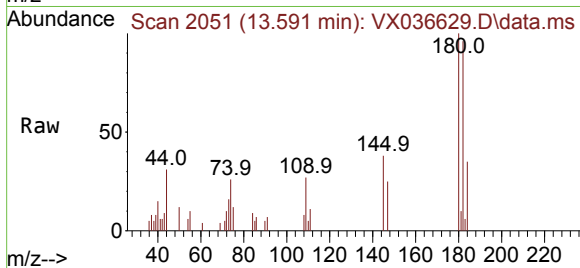
Tgt Ion:180 Resp: 1795

Ion Ratio Lower Upper

180 100

182 92.9 48.3 144.8

145 34.7 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.653 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

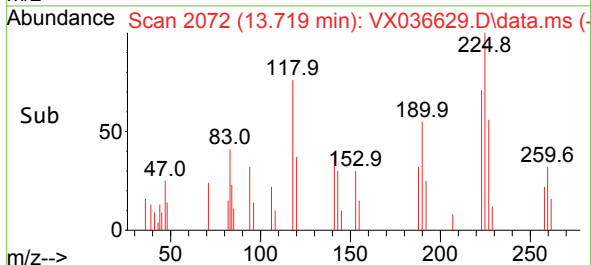
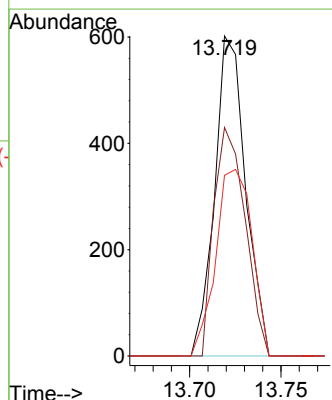
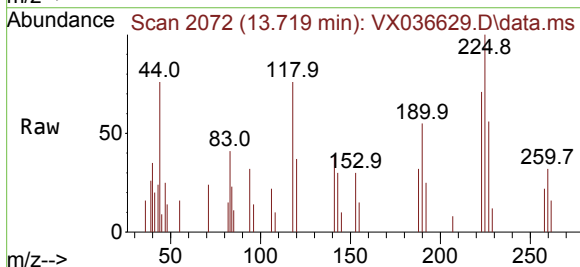
Tgt Ion:225 Resp: 709

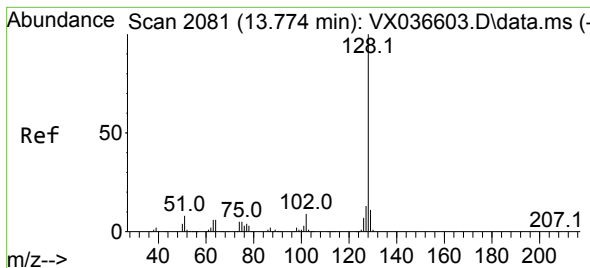
Ion Ratio Lower Upper

225 100

223 72.4 31.1 93.2

227 68.4 32.5 97.5





#95

Naphthalene

Concen: 0.671 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

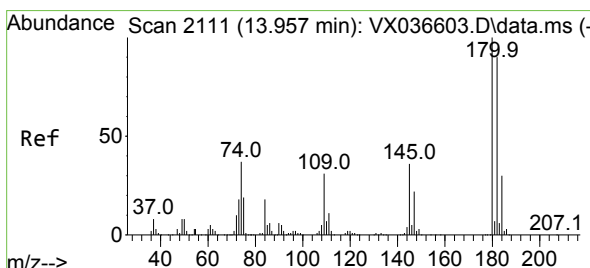
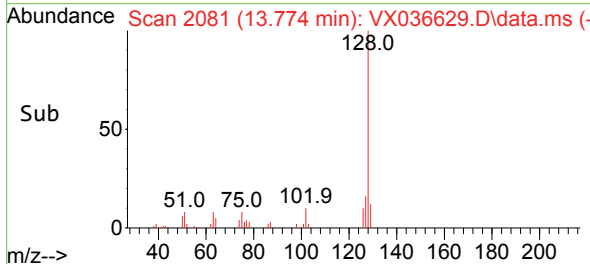
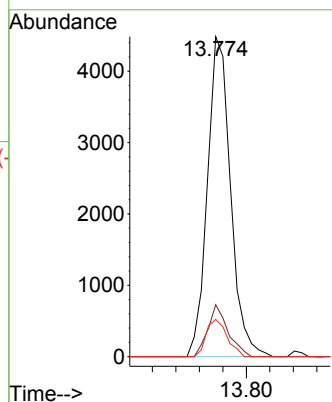
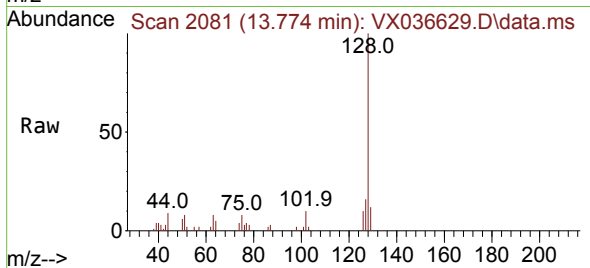
Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion:128	Resp:	6138
Ion Ratio	Lower	Upper
128	100	
127	14.1	10.3 15.5
129	10.5	8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.642 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX036629.D

Acq: 24 Jul 2023 14:35

Tgt Ion:180	Resp:	1661
Ion Ratio	Lower	Upper
180	100	
182	99.7	46.9 140.6
145	34.1	17.8 53.5

