

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051223\
 Data File : VX035640.D
 Acq On : 12 May 2023 16:04
 Operator : JC/MD
 Sample : 02213-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2023

Quant Time: May 15 01:57:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

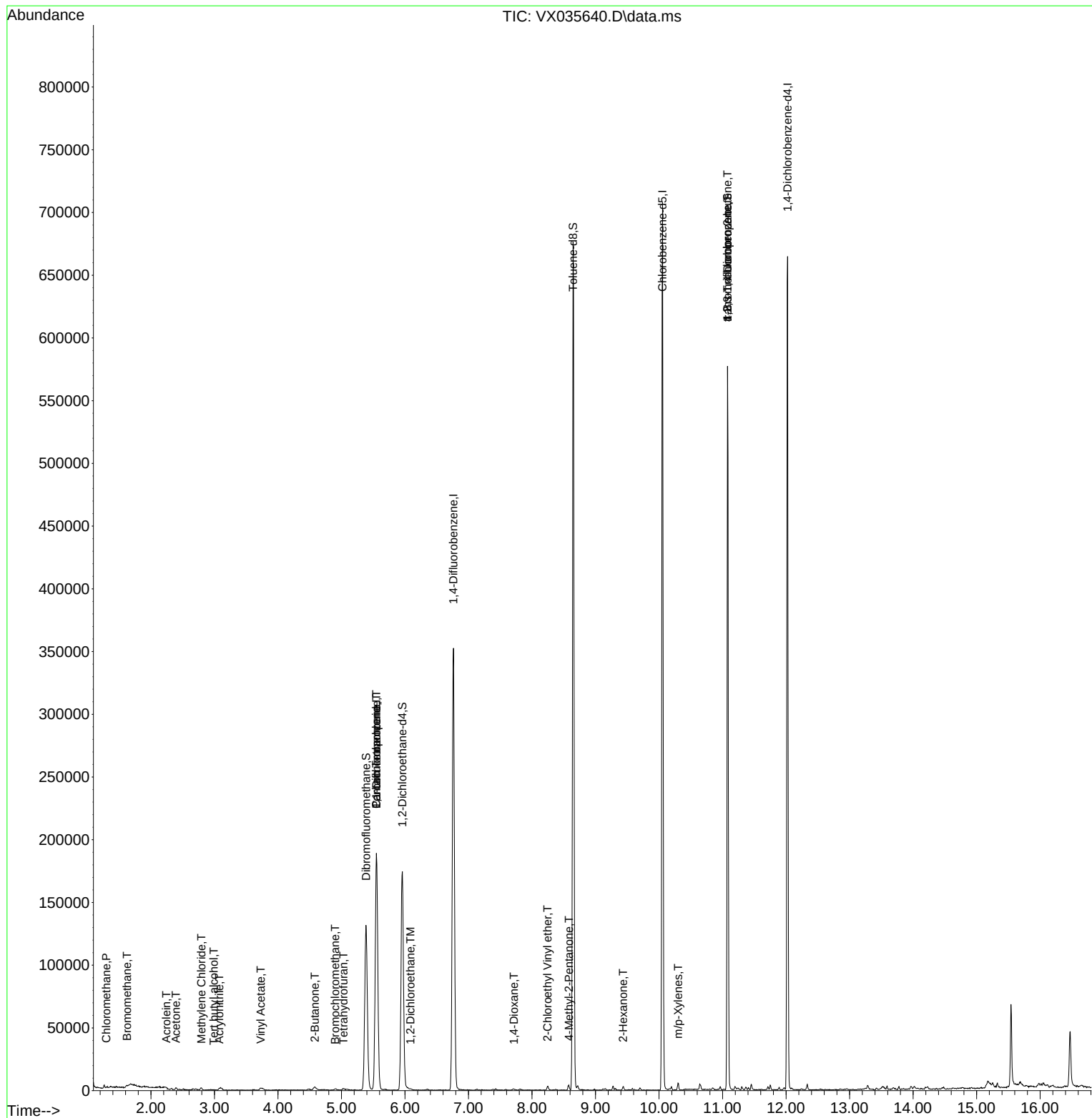
Internal Standards						
1) Pentafluorobenzene	5.550	168	160015	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	329996	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	296694	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	127168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	179312	64.235	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 128.460%#	
35) Dibromofluoromethane	5.385	113	113837	51.152	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.300%	
50) Toluene-d8	8.647	98	387433	47.124	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 94.240%	
62) 4-Bromofluorobenzene	11.079	95	155258	46.901	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.800%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	788	0.311	ug/l	95
5) Bromomethane	1.624	94	274	0.236	ug/l #	52
11) Tert butyl alcohol	2.989	59	314	0.638	ug/l #	73
13) Acrolein	2.239	56	768	1.314	ug/l #	73
15) Acrylonitrile	3.075	53	886	0.817	ug/l	95
16) Acetone	2.392	43	1776	1.480	ug/l #	75
20) Methylene Chloride	2.794	84	766	0.352	ug/l	94
23) Vinyl Acetate	3.727	43	3410	0.645	ug/l	96
25) 2-Butanone	4.580	43	1641	0.988	ug/l #	35
28) Bromochloromethane	4.897	49	831	0.462	ug/l #	81
29) Tetrahydrofuran	5.032	42	1039	0.995	ug/l #	57
36) 1,1-Dichloropropene	5.550	75	15428	4.392	ug/l #	46
38) Carbon Tetrachloride	5.550	117	18921	5.686	ug/l #	14
42) 1,2-Dichloroethane	6.086	62	905	0.214	ug/l #	75
49) 1,4-Dioxane	7.714	88	652	11.323	ug/l #	77
51) 4-Methyl-2-Pentanone	8.580	43	2565	0.697	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	1365	0.680	ug/l	97
59) 2-Hexanone	9.433	43	1919	0.692	ug/l	93
68) m/p-Xylenes	10.299	106	1360	0.302	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	84571	27.188	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	84571	87.624	ug/l #	8

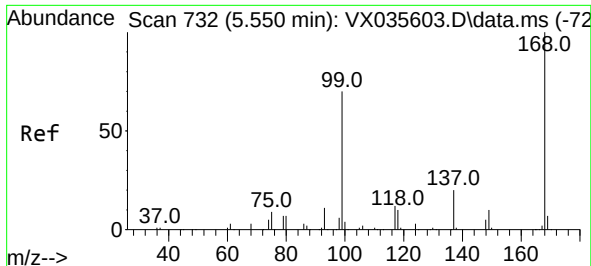
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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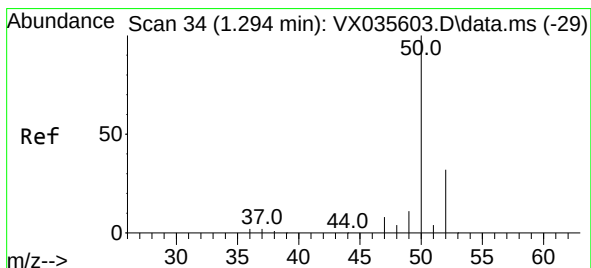
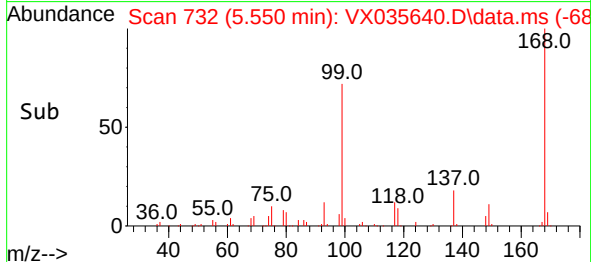
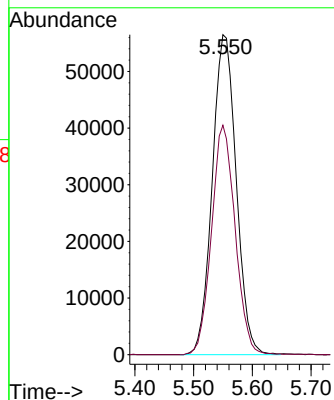
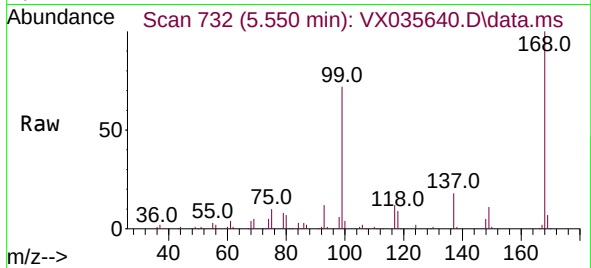




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035640.D
Acq: 12 May 2023 16:04

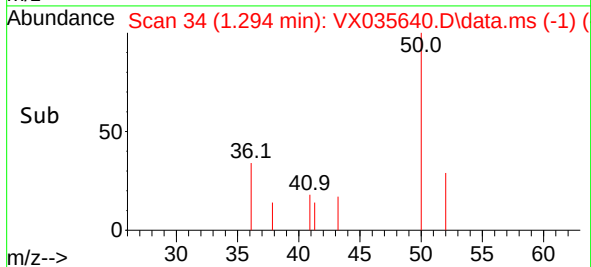
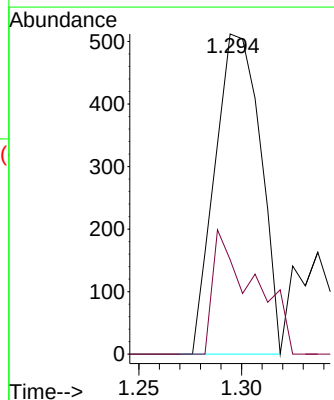
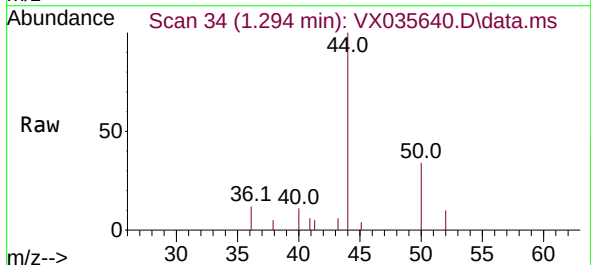
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2023

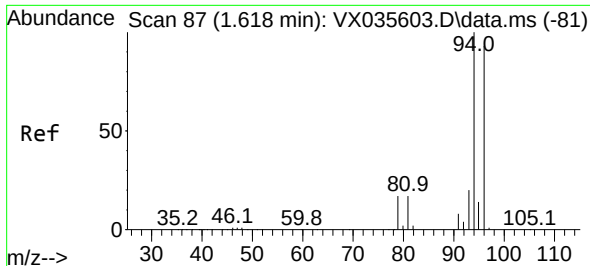
Tgt Ion:168 Resp: 160015
Ion Ratio Lower Upper
168 100
99 71.7 45.7 68.5#



#3
Chloromethane
Concen: 0.311 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX035640.D
Acq: 12 May 2023 16:04

Tgt Ion: 50 Resp: 788
Ion Ratio Lower Upper
50 100
52 29.5 25.9 38.9

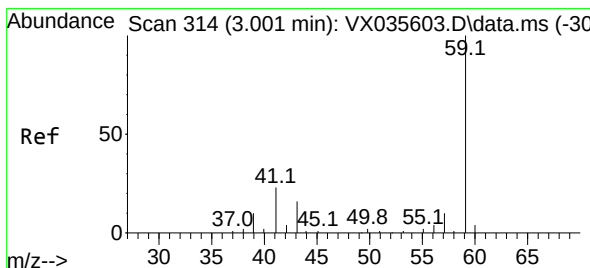
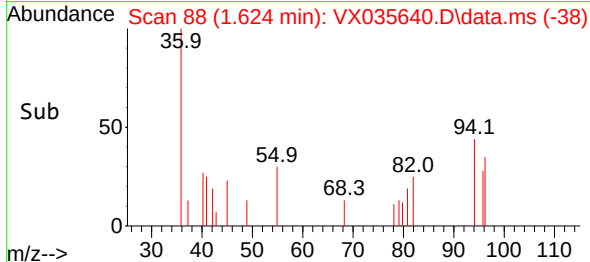
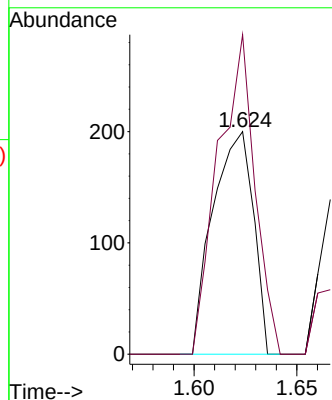
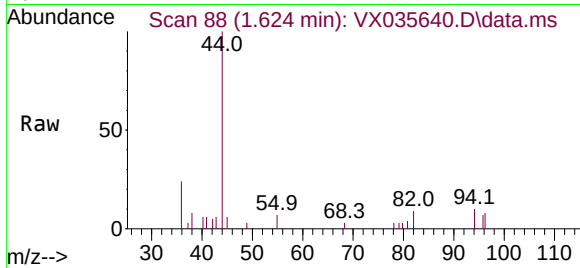




#5
Bromomethane
Concen: 0.236 ug/l
RT: 1.624 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX035640.D
Acq: 12 May 2023 16:04

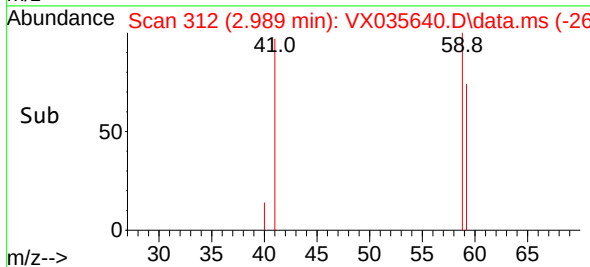
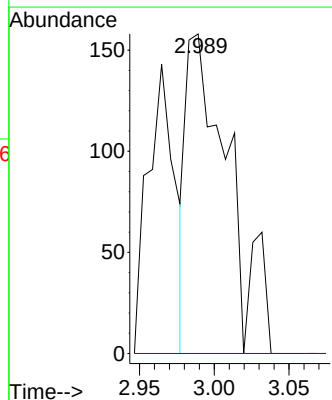
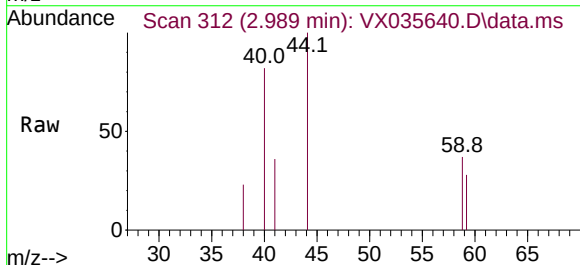
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2023

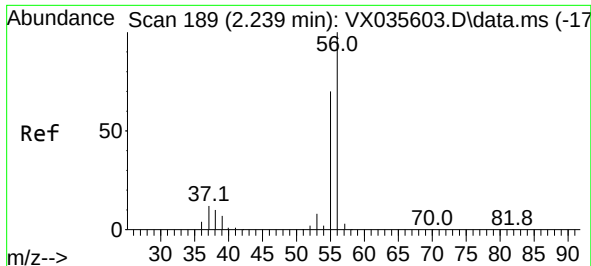
Tgt Ion: 94 Resp: 274
Ion Ratio Lower Upper
94 100
96 143.5 77.0 115.6#



#11
Tert butyl alcohol
Concen: 0.638 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.012 min
Lab File: VX035640.D
Acq: 12 May 2023 16:04

Tgt Ion: 59 Resp: 314
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

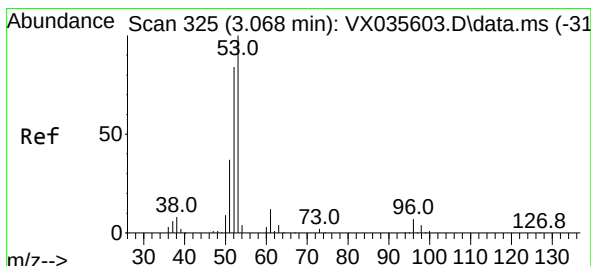
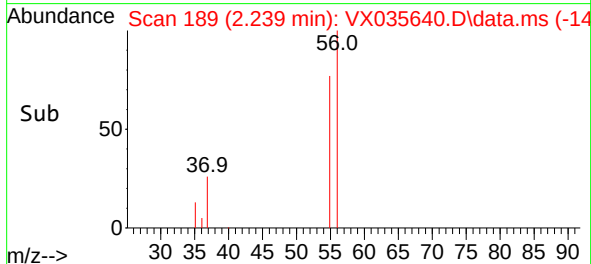
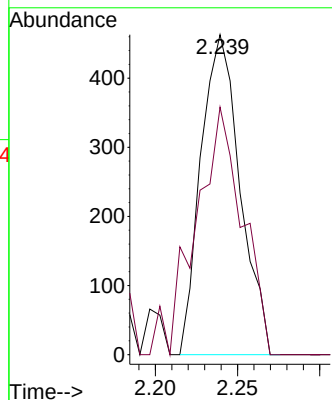
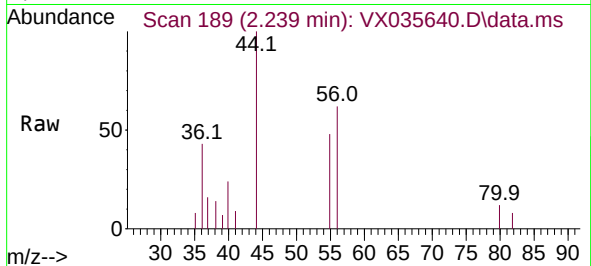




#13
Acrolein
Concen: 1.314 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035640.D
Acq: 12 May 2023 16:04

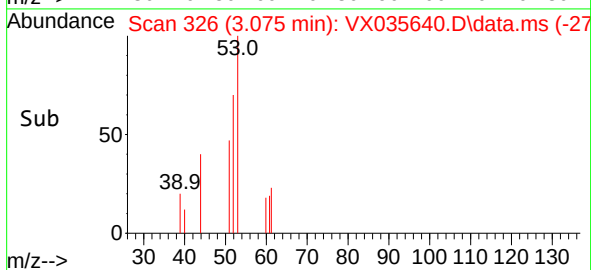
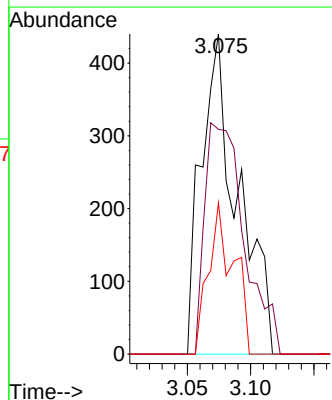
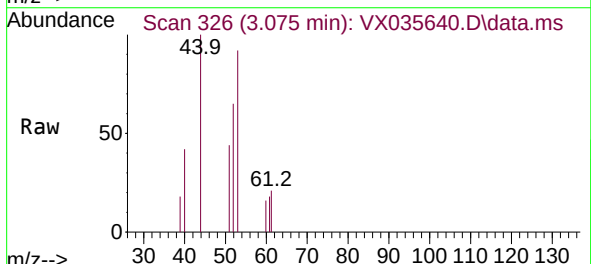
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2023

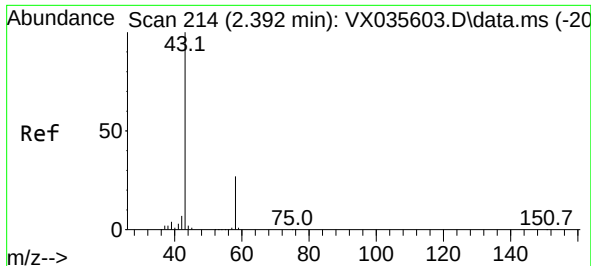
Tgt Ion: 56 Resp: 768
Ion Ratio Lower Upper
56 100
55 92.8 56.6 85.0#



#15
Acrylonitrile
Concen: 0.817 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.007 min
Lab File: VX035640.D
Acq: 12 May 2023 16:04

Tgt Ion: 53 Resp: 886
Ion Ratio Lower Upper
53 100
52 77.9 66.2 99.2
51 32.6 28.3 42.5





#16

Acetone

Concen: 1.480 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX035640.D

Acq: 12 May 2023 16:04

Instrument :

MSVOA_X

ClientSampleId :

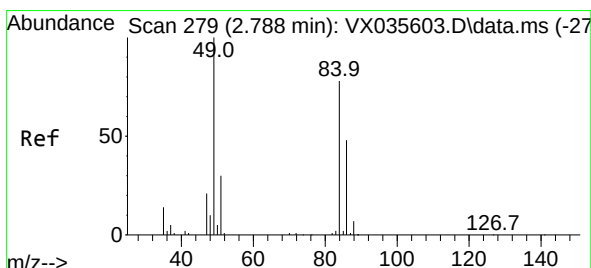
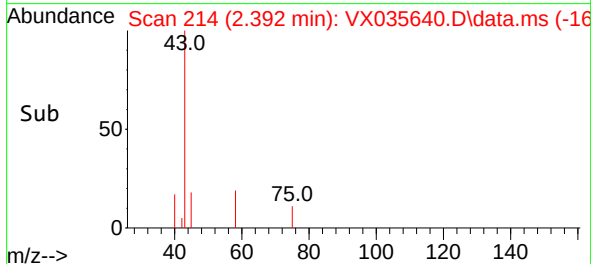
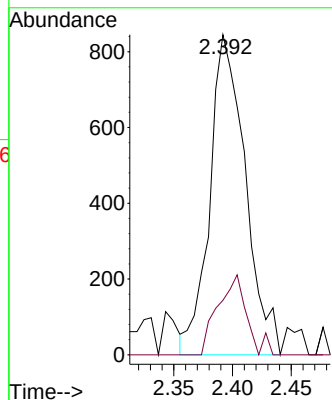
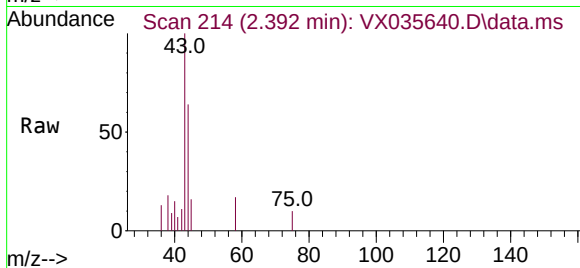
LOD-MDL-WATER-01-QT2-2023

Tgt Ion: 43 Resp: 1776

Ion Ratio Lower Upper

43 100

58 17.0 24.7 37.1#



#20

Methylene Chloride

Concen: 0.352 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX035640.D

Acq: 12 May 2023 16:04

Tgt Ion: 84 Resp: 766

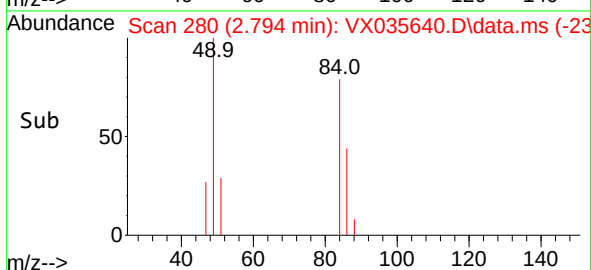
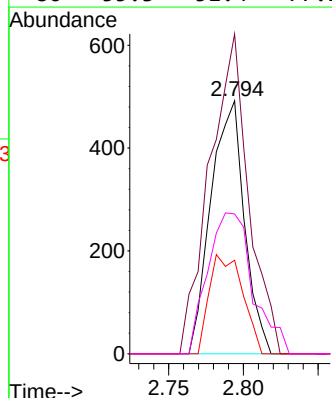
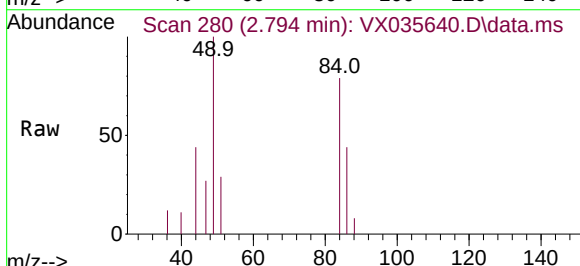
Ion Ratio Lower Upper

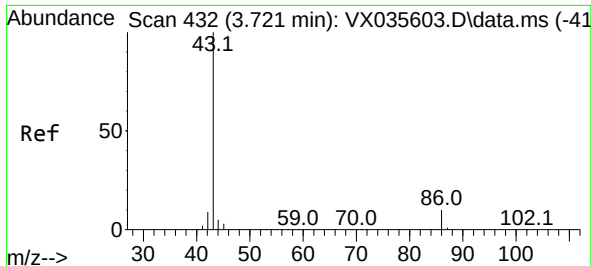
84 100

49 126.4 103.8 155.8

51 37.0 31.8 47.8

86 55.3 51.4 77.2

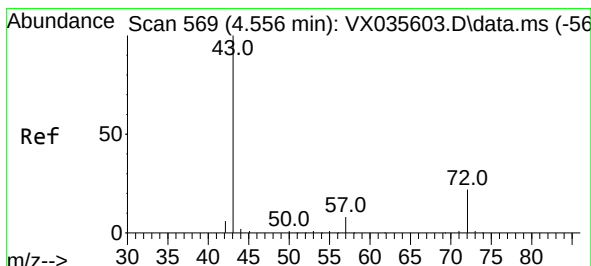
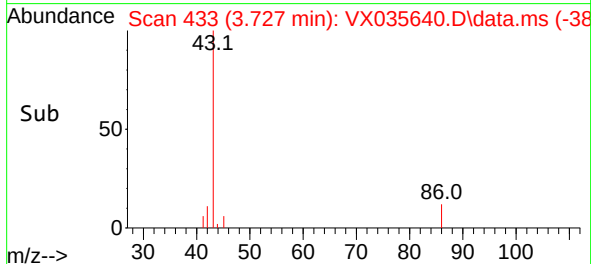
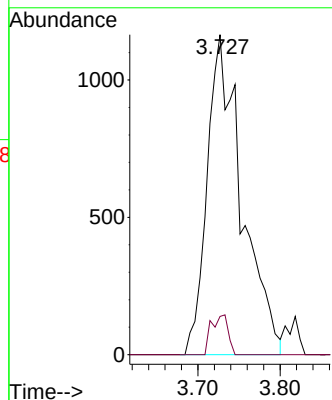
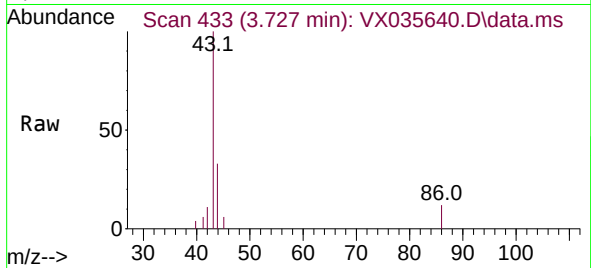




#23
 Vinyl Acetate
 Concen: 0.645 ug/l
 RT: 3.727 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VX035640.D
 Acq: 12 May 2023 16:04

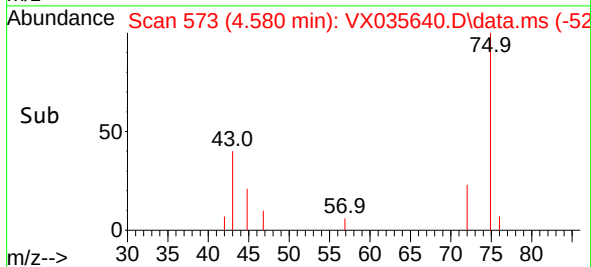
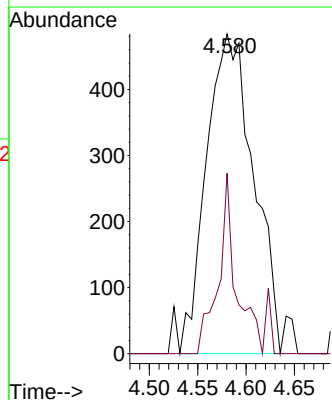
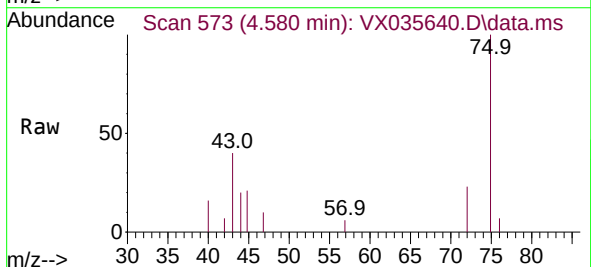
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2023

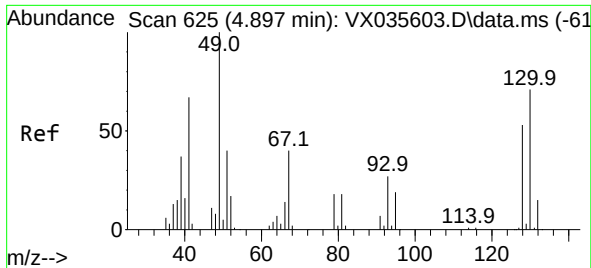
Tgt Ion: 43 Resp: 3410
 Ion Ratio Lower Upper
 43 100
 86 11.9 8.5 12.7



#25
 2-Butanone
 Concen: 0.988 ug/l
 RT: 4.580 min Scan# 573
 Delta R.T. 0.024 min
 Lab File: VX035640.D
 Acq: 12 May 2023 16:04

Tgt Ion: 43 Resp: 1641
 Ion Ratio Lower Upper
 43 100
 72 56.4 19.3 28.9#





#28

Bromochloromethane

Concen: 0.462 ug/l

RT: 4.897 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX035640.D

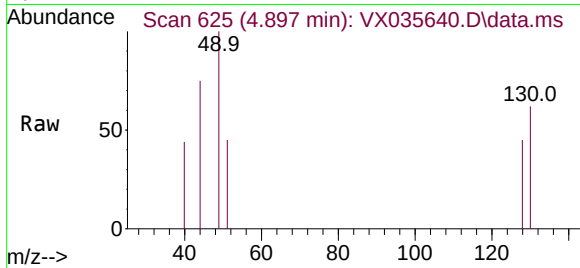
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Instrument :

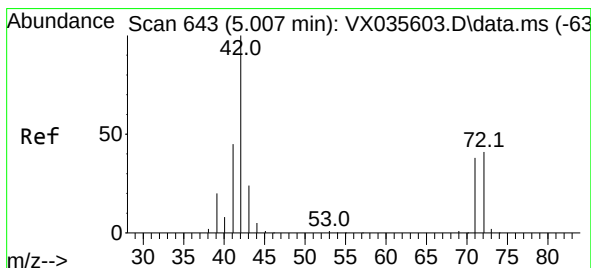
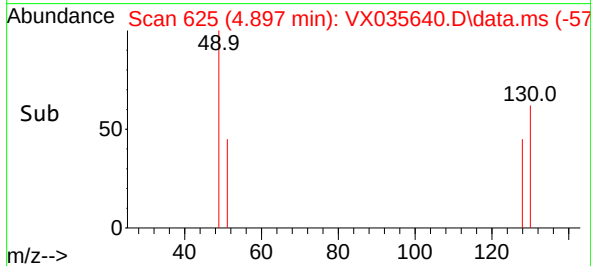
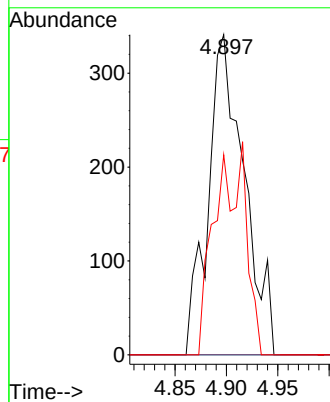
MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2023



Tgt Ion:	49	Resp:	831
Ion Ratio	Lower	Upper	
49	100		
129	0.0	0.0	4.0
130	56.2	58.2	87.2#



#29

Tetrahydrofuran

Concen: 0.995 ug/l

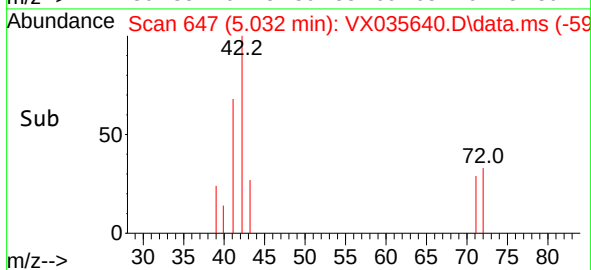
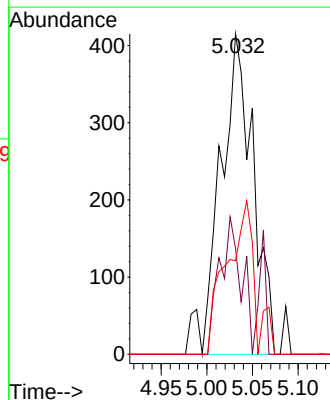
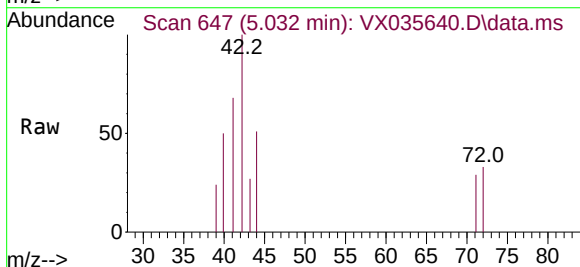
RT: 5.032 min Scan# 647

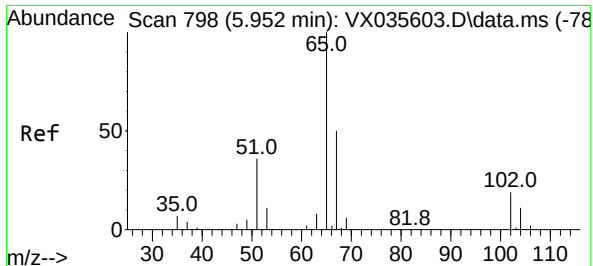
Delta R.T. 0.025 min

Lab File: VX035640.D

Acq: 12 May 2023 16:04

Tgt Ion:	42	Resp:	1039
Ion Ratio	Lower	Upper	
42	100		
72	28.5	34.5	51.7#
71	0.0	32.1	48.1#





#33

1,2-Dichloroethane-d4

Concen: 64.235 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX035640.D

Acq: 12 May 2023 16:04

Instrument :

MSVOA_X

ClientSampleId :

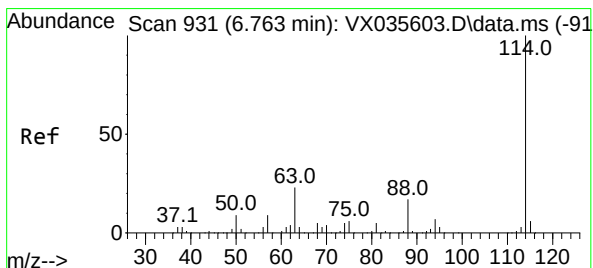
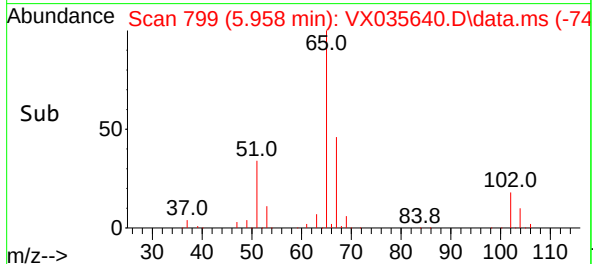
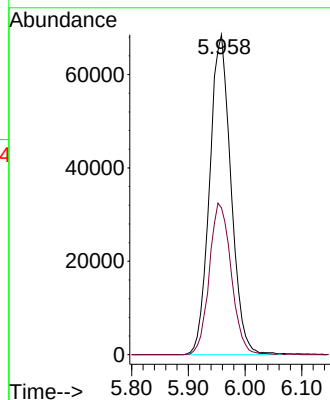
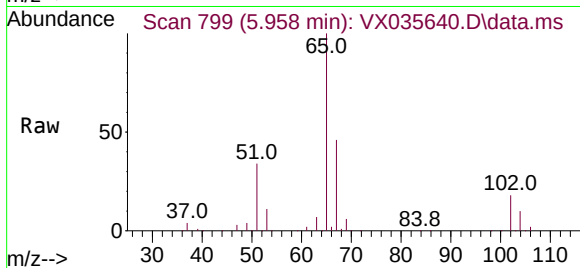
LOD-MDL-WATER-01-QT2-2023

Tgt Ion: 65 Resp: 179312

Ion Ratio Lower Upper

65 100

67 48.6 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX035640.D

Acq: 12 May 2023 16:04

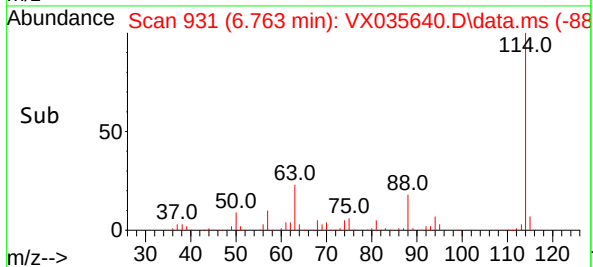
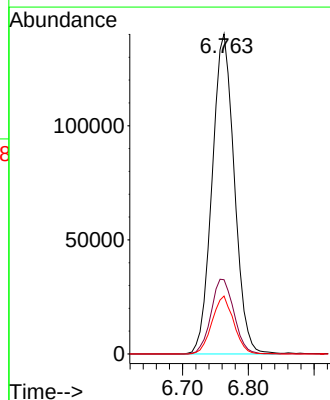
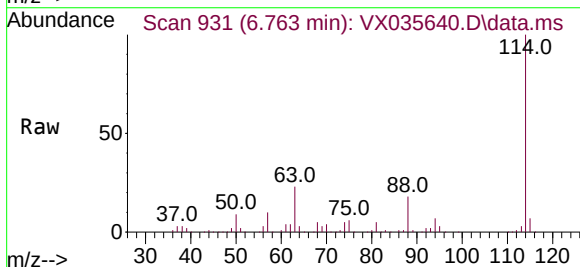
Tgt Ion: 114 Resp: 329996

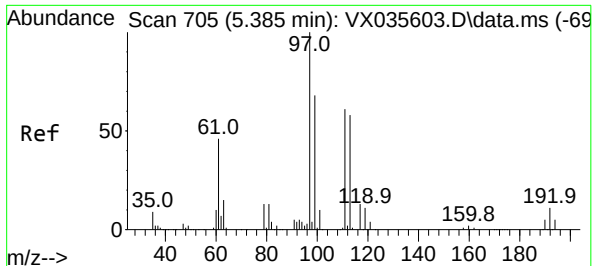
Ion Ratio Lower Upper

114 100

63 23.2 0.0 42.2

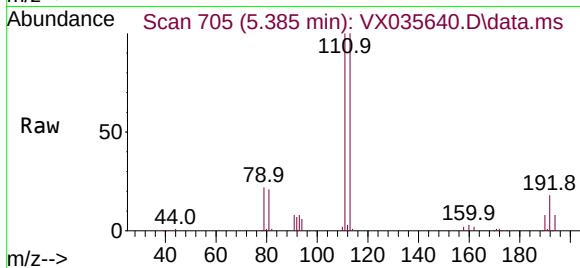
88 18.1 0.0 33.2



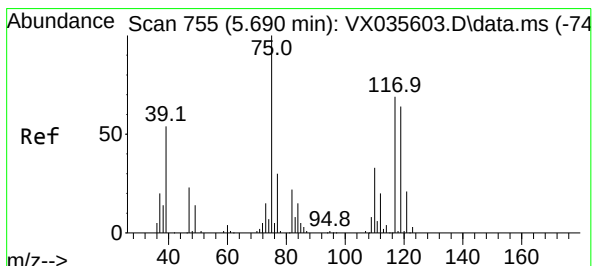
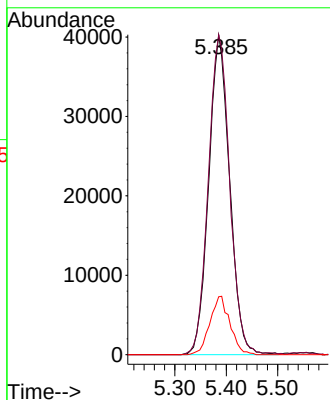
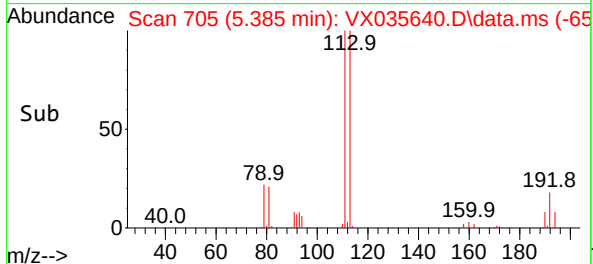


#35
Dibromofluoromethane
Concen: 51.152 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035640.D
Acq: 12 May 2023 16:04

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2023

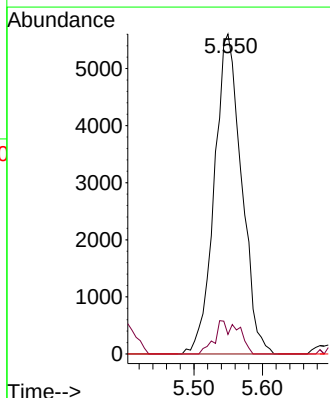
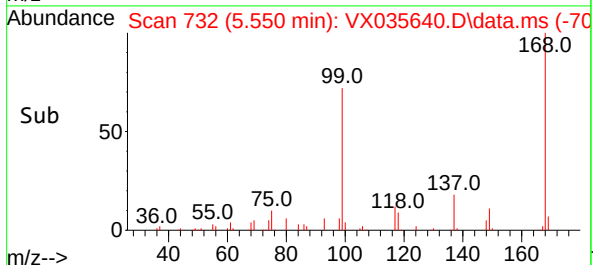
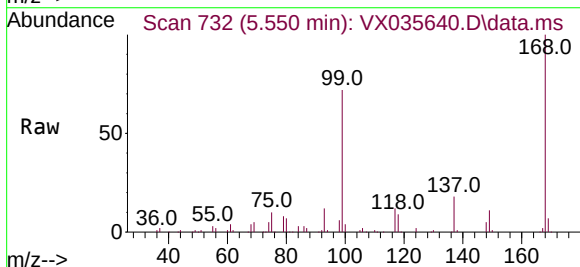


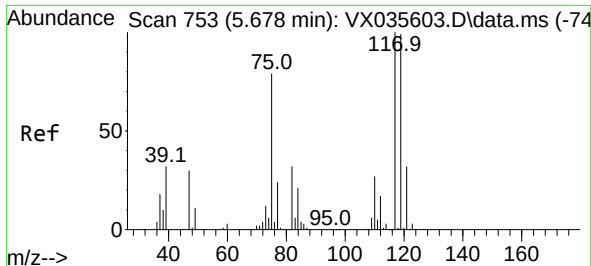
Tgt Ion:113 Resp: 113837
Ion Ratio Lower Upper
113 100
111 102.4 83.7 125.5
192 17.5 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.392 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX035640.D
Acq: 12 May 2023 16:04

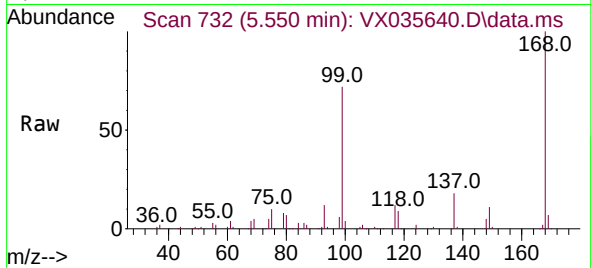
Tgt Ion: 75 Resp: 15428
Ion Ratio Lower Upper
75 100
110 5.1 17.5 52.5#
77 0.0 24.3 36.5#



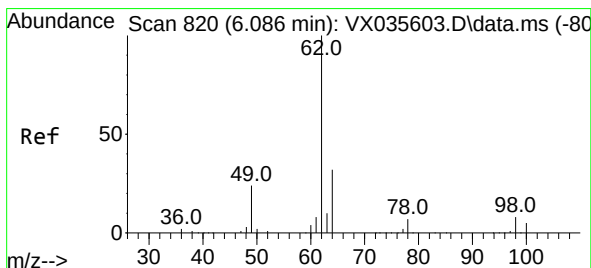
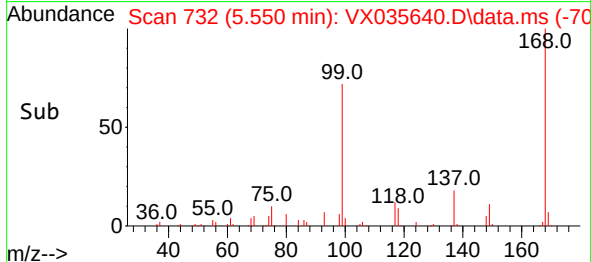
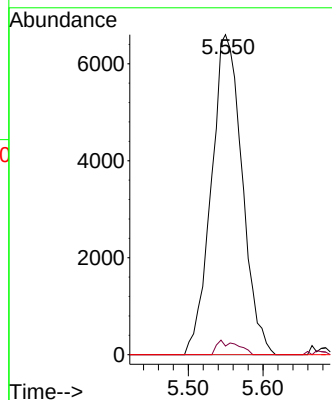


#38
Carbon Tetrachloride
Concen: 5.686 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX035640.D
Acq: 12 May 2023 16:04

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2023

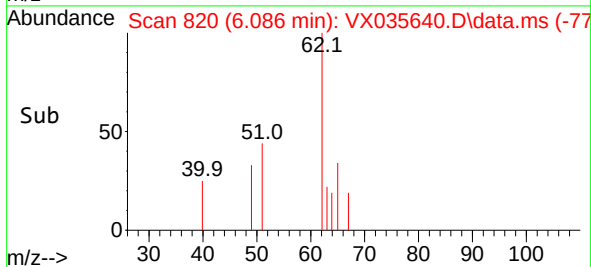
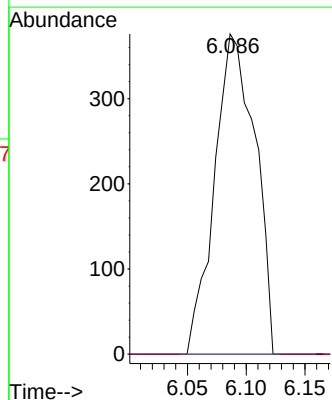
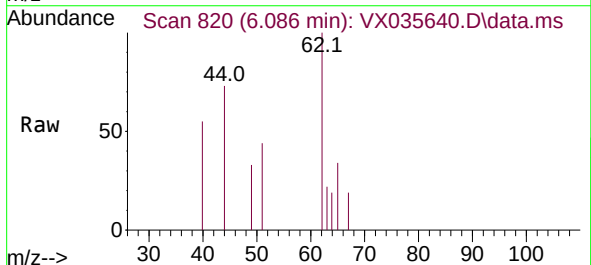


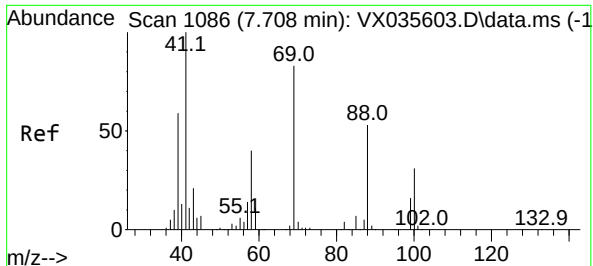
Tgt Ion:117 Resp: 18921
Ion Ratio Lower Upper
117 100
119 2.7 76.6 114.8#
121 0.0 23.8 35.6#



#42
1,2-Dichloroethane
Concen: 0.214 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX035640.D
Acq: 12 May 2023 16:04

Tgt Ion: 62 Resp: 905
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.0





#49

1,4-Dioxane

Concen: 11.323 ug/l

RT: 7.714 min Scan# 1086

Delta R.T. 0.006 min

Lab File: VX035640.D

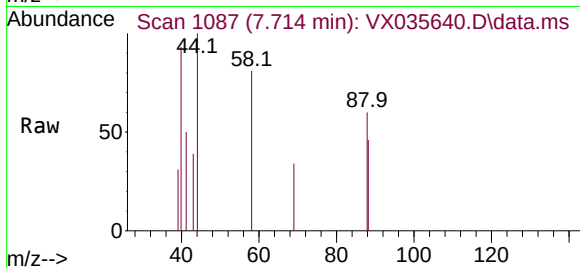
Acq: 12 May 2023 16:04

Instrument :

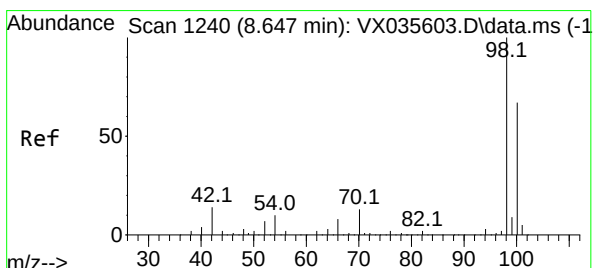
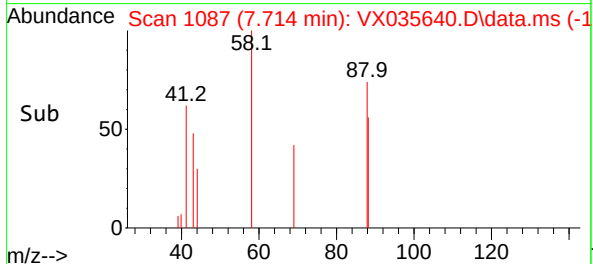
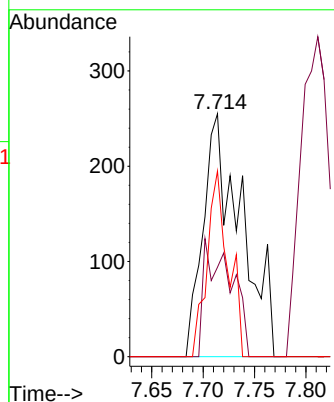
MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2023



Tgt Ion: 88	Resp: 652
Ion Ratio	Lower Upper
88	100
43	35.0 27.7 41.5
58	42.8 56.8 85.2#



#50

Toluene-d8

Concen: 47.124 ug/l

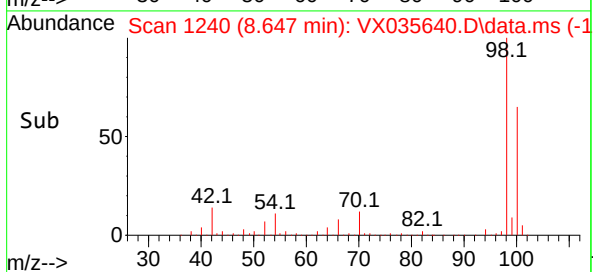
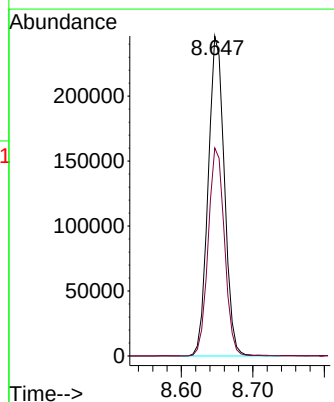
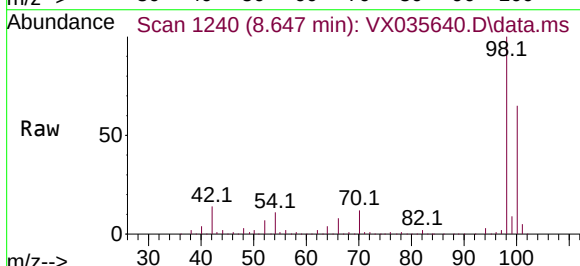
RT: 8.647 min Scan# 1240

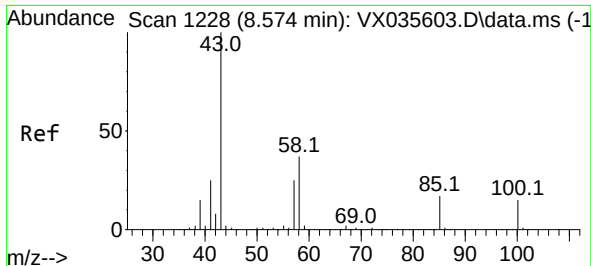
Delta R.T. -0.000 min

Lab File: VX035640.D

Acq: 12 May 2023 16:04

Tgt Ion: 98	Resp: 387433
Ion Ratio	Lower Upper
98	100
100	65.5 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.697 ug/l

RT: 8.580 min Scan# 1173

Delta R.T. 0.006 min

Lab File: VX035640.D

Acq: 12 May 2023 16:04

Instrument :

MSVOA_X

ClientSampleId :

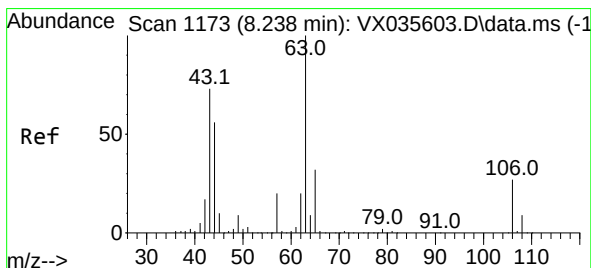
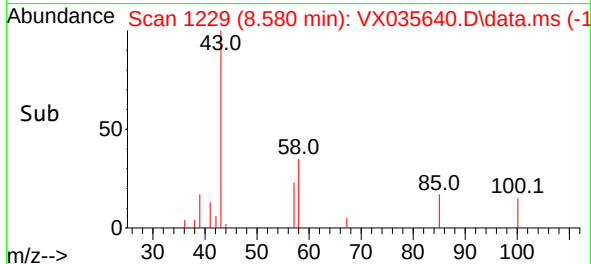
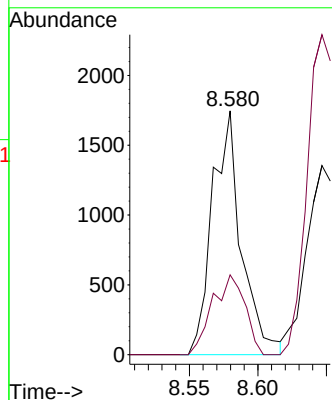
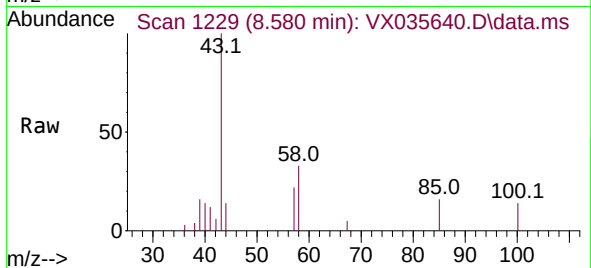
LOD-MDL-WATER-01-QT2-2023

Tgt Ion: 43 Resp: 2565

Ion Ratio Lower Upper

43 100

58 36.8 30.6 46.0



#58

2-Chloroethyl Vinyl ether

Concen: 0.680 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. 0.006 min

Lab File: VX035640.D

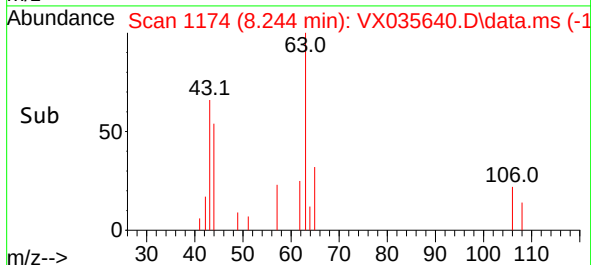
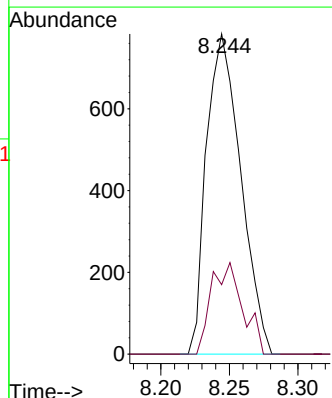
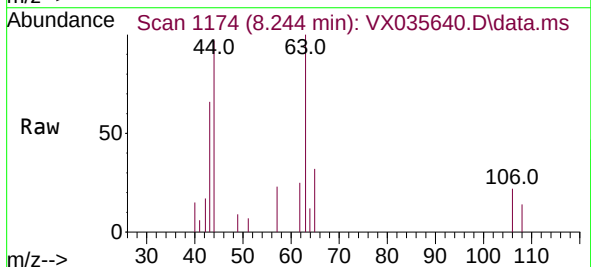
Acq: 12 May 2023 16:04

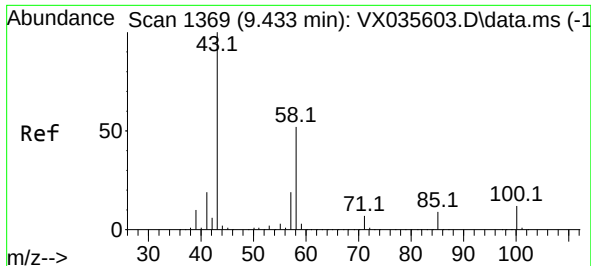
Tgt Ion: 63 Resp: 1365

Ion Ratio Lower Upper

63 100

106 26.2 22.2 33.2





#59

2-Hexanone

Concen: 0.692 ug/l

RT: 9.433 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX035640.D

Acq: 12 May 2023 16:04

Instrument :

MSVOA_X

ClientSampleId :

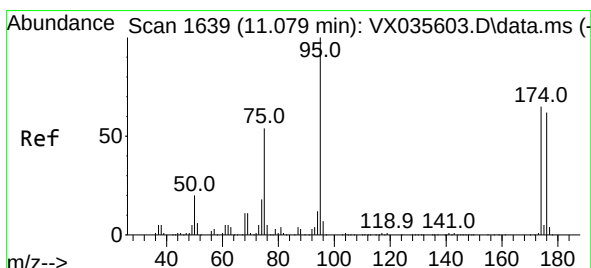
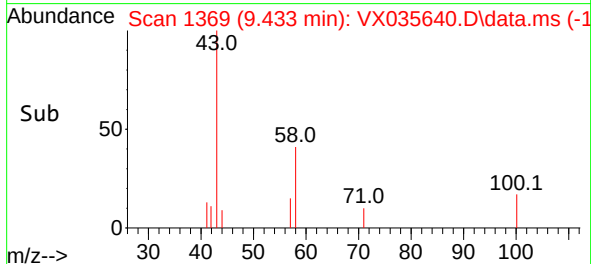
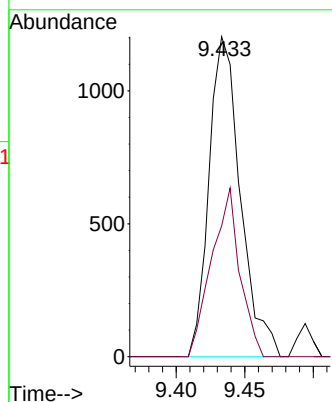
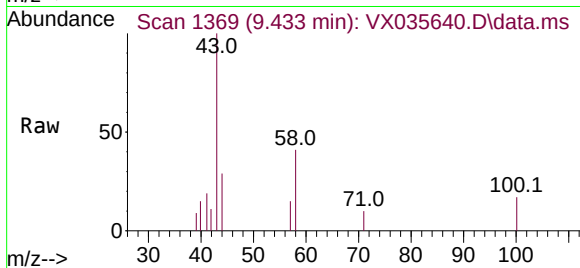
LOD-MDL-WATER-01-QT2-2023

Tgt Ion: 43 Resp: 1919

Ion Ratio Lower Upper

43 100

58 47.5 26.3 78.9



#62

4-Bromofluorobenzene

Concen: 46.901 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX035640.D

Acq: 12 May 2023 16:04

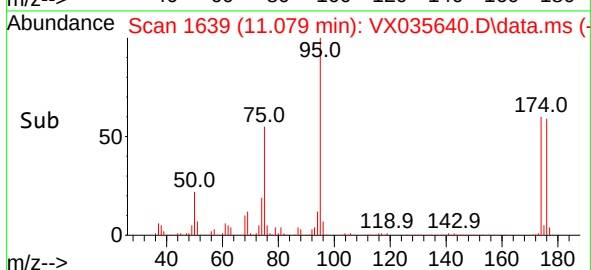
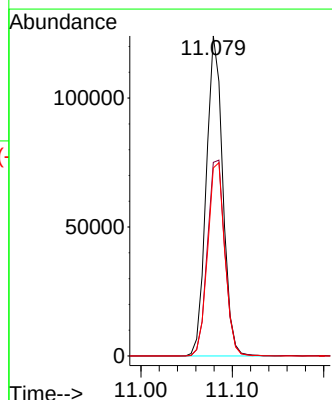
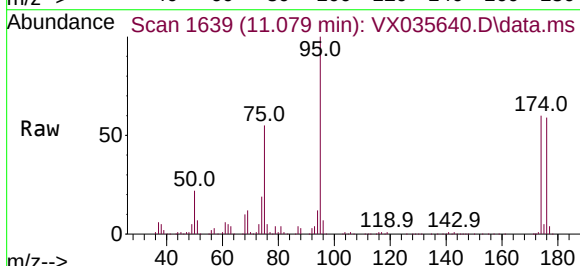
Tgt Ion: 95 Resp: 155258

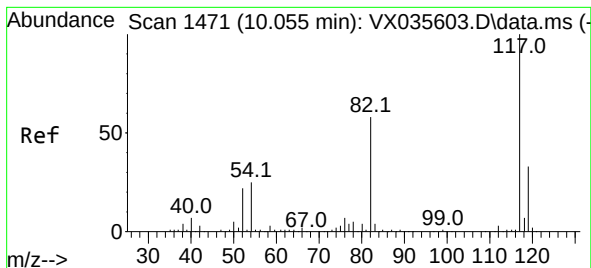
Ion Ratio Lower Upper

95 100

174 64.6 0.0 147.4

176 62.9 0.0 140.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX035640.D

Acq: 12 May 2023 16:04

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2023

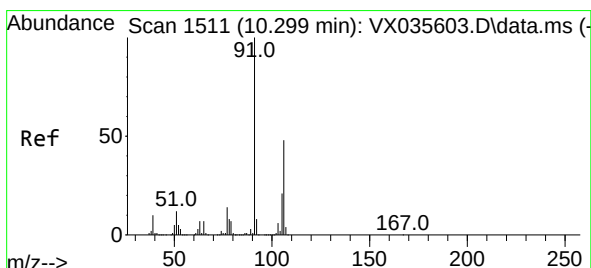
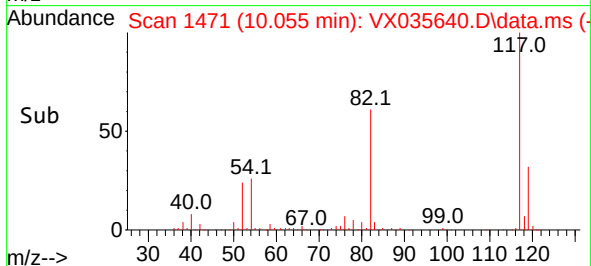
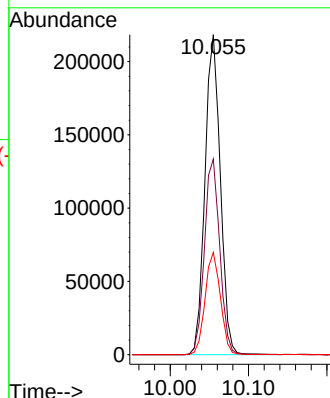
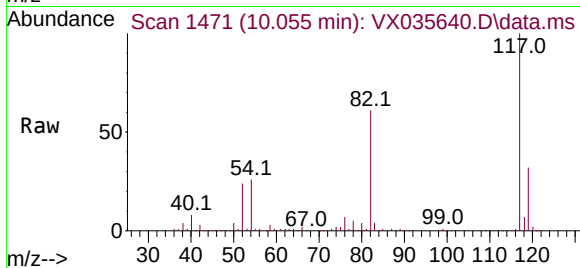
Tgt Ion:117 Resp: 296694

Ion Ratio Lower Upper

117 100

82 61.1 45.0 67.4

119 32.0 26.0 39.0



#68

m/p-Xylenes

Concen: 0.302 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX035640.D

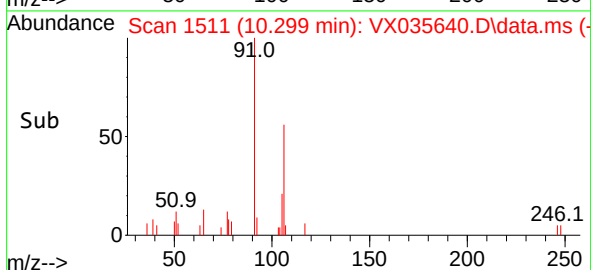
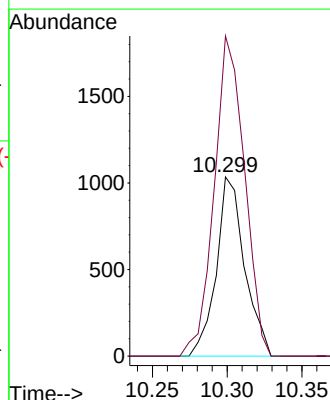
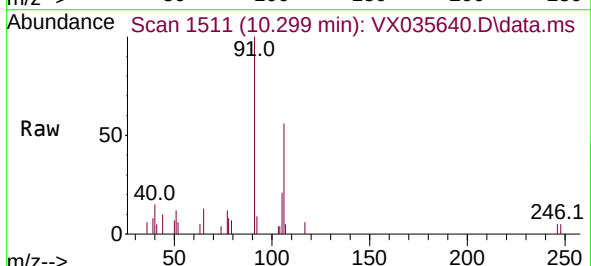
Acq: 12 May 2023 16:04

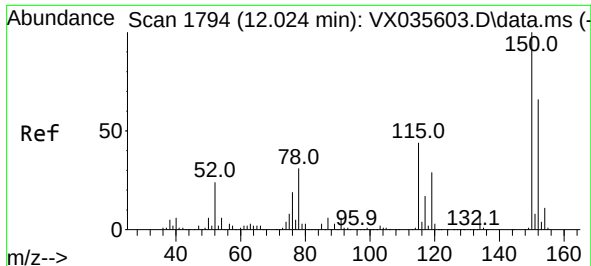
Tgt Ion:106 Resp: 1360

Ion Ratio Lower Upper

106 100

91 191.8 164.0 246.0

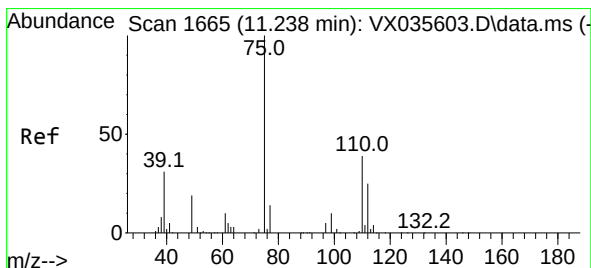
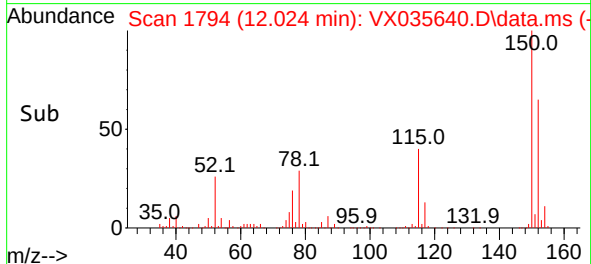
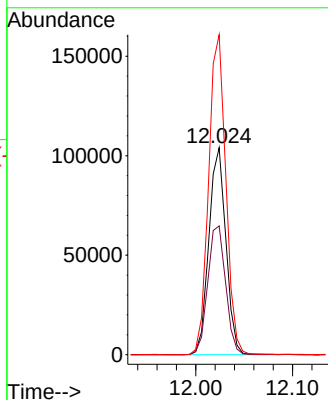
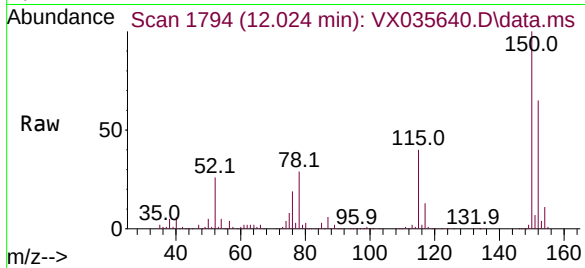




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX035640.D
 Acq: 12 May 2023 16:04

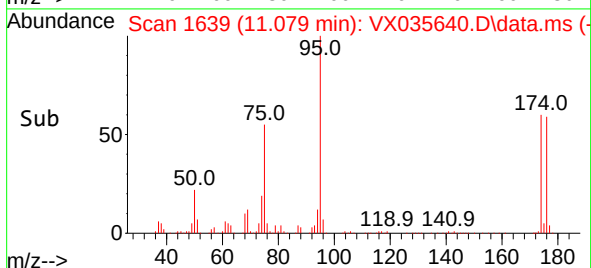
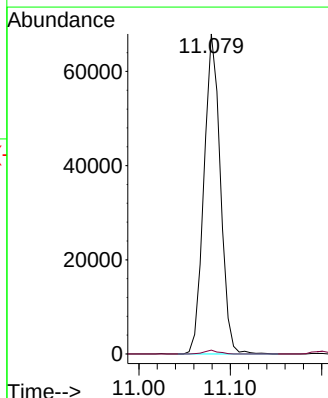
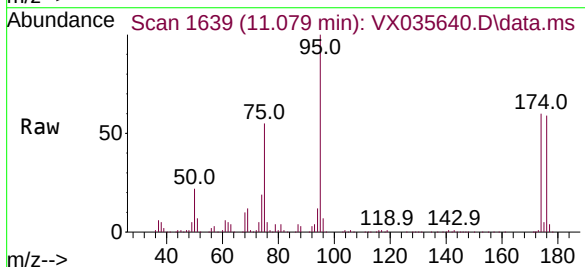
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2023

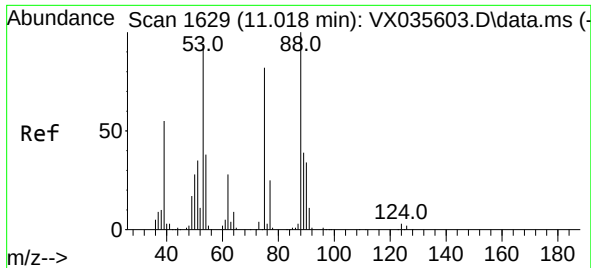
Tgt Ion:152 Resp: 127168
 Ion Ratio Lower Upper
 152 100
 115 65.3 45.0 135.0
 150 156.1 0.0 352.4



#76
 1,2,3-Trichloropropane
 Concen: 27.188 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX035640.D
 Acq: 12 May 2023 16:04

Tgt Ion: 75 Resp: 84571
 Ion Ratio Lower Upper
 75 100
 77 1.0 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.624 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX035640.D
 Acq: 12 May 2023 16:04

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2023

Tgt Ion: 75 Resp: 84571
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

