

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070725\
 Data File : VX046898.D
 Acq On : 07 Jul 2025 11:03
 Operator : JC/MD
 Sample : Q2126-07 0.2PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2025

Quant Time: Jul 08 04:48:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 08 04:37:37 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/08/2025
 Supervised By : Mahesh Dadoda 07/08/2025

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	384136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	643945	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	597284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	311149	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	263600	51.943	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.880%			
35) Dibromofluoromethane	5.397	113	219765	50.277	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.560%			
50) Toluene-d8	8.647	98	767628	49.774	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.540%			
62) 4-Bromofluorobenzene	11.079	95	306494	52.291	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.580%			
Target Compounds					Qvalue	
3) Chloromethane	1.313	50	857	0.214	ug/l #	82
5) Bromomethane	1.636	94	1029m	0.366	ug/l	
6) Chloroethane	1.697	64	822	0.285	ug/l #	42
10) Methyl Iodide	2.477	142	1895	0.404	ug/l #	88
11) Tert butyl alcohol	2.965	59	228	0.685	ug/l #	72
13) Acrolein	2.240	56	547	1.376	ug/l	92
15) Acrylonitrile	3.087	53	849	0.441	ug/l #	63
16) Acetone	2.392	43	1551	0.984	ug/l #	72
17) Carbon Disulfide	2.526	76	2847	0.261	ug/l	96
20) Methylene Chloride	2.800	84	2132	0.457	ug/l	95
23) Vinyl Acetate	3.776	43	6013	0.560	ug/l #	85
29) Tetrahydrofuran	5.074	42	746	0.556	ug/l #	51
42) 1,2-Dichloroethane	6.111	62	1282	0.212	ug/l	78
51) 4-Methyl-2-Pentanone	8.580	43	2440	0.537	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.275	63	1596m	0.497	ug/l	
68) m/p-Xylenes	10.311	106	2353	0.282	ug/l	94
71) Bromoform	10.805	173	647	0.200	ug/l #	29
88) 1,4-Dichlorobenzene	12.037	146	2316m	0.218	ug/l	
94) Hexachlorobutadiene	13.719	225	1111	0.439	ug/l	91

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

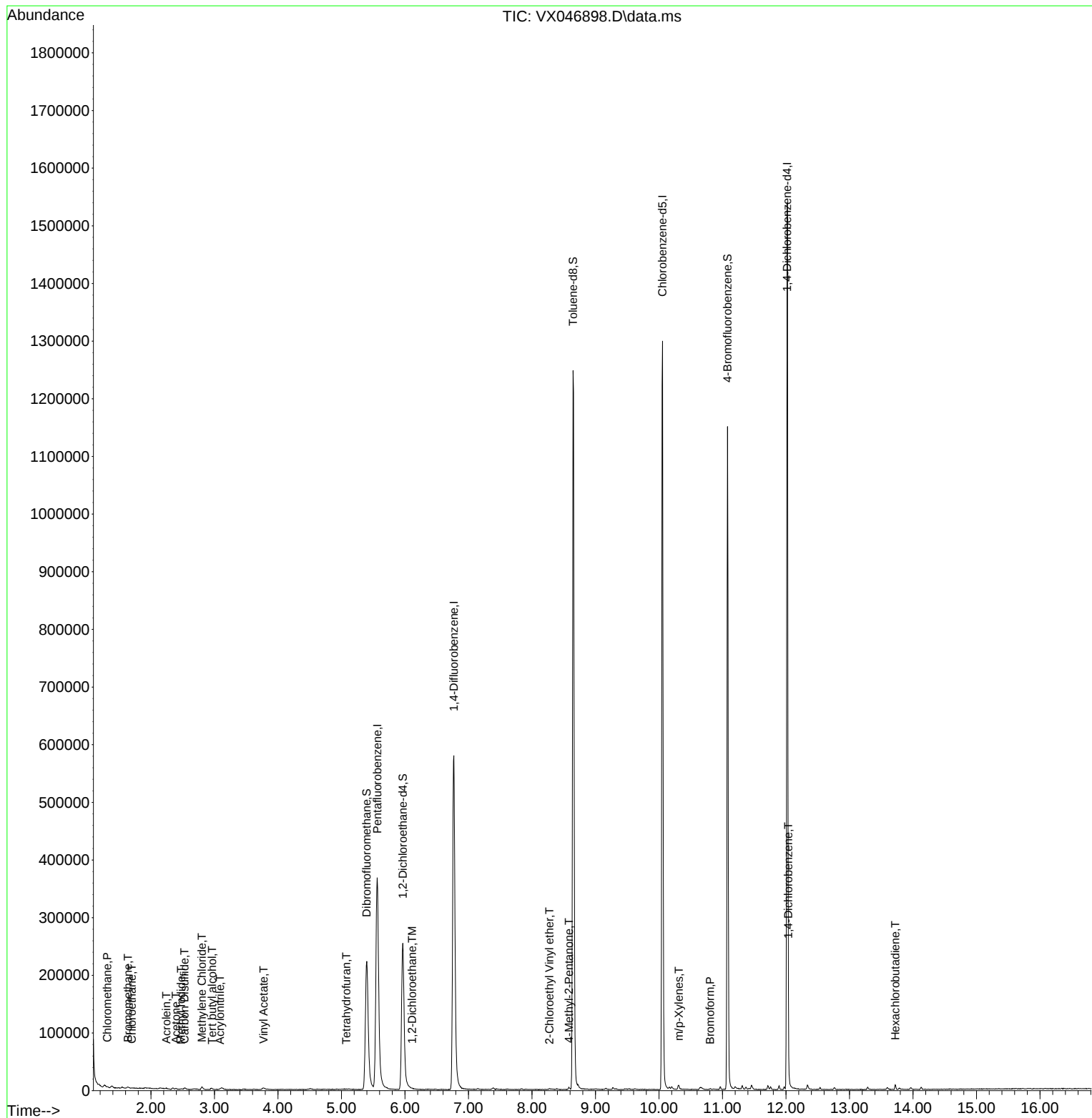
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070725\
Data File : VX046898.D
Acq On : 07 Jul 2025 11:03
Operator : JC/MD
Sample : Q2126-07 0.2PPB
Misc : 5.0mL/MSVOA_X/WATER
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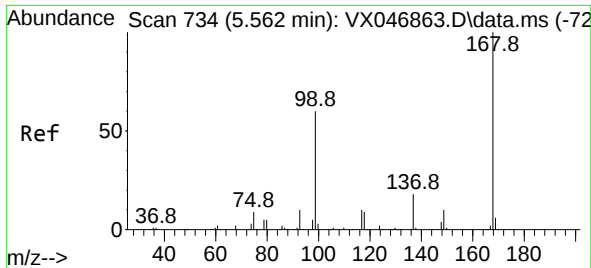
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

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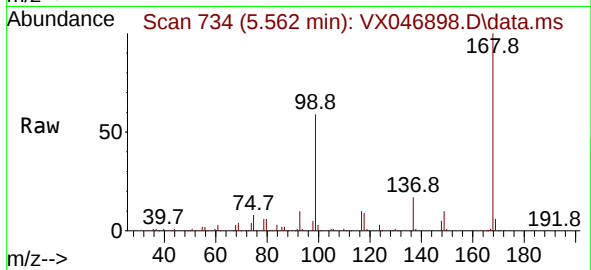
Quant Time: Jul 08 04:48:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 08 04:37:37 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046898.D
Acq: 07 Jul 2025 11:03

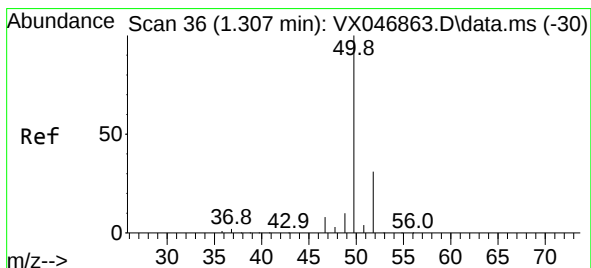
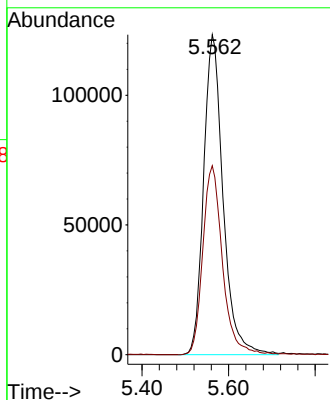
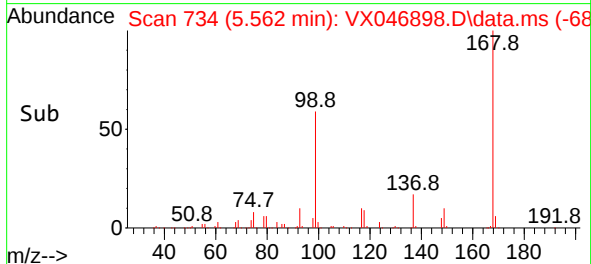
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



Tgt Ion:168 Resp: 384130
Ion Ratio Lower Upper
168 100
99 59.0 48.8 73.2

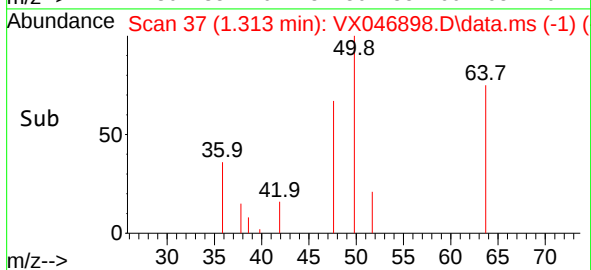
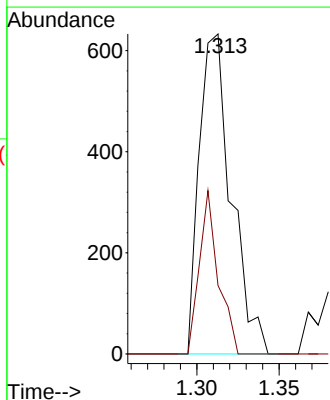
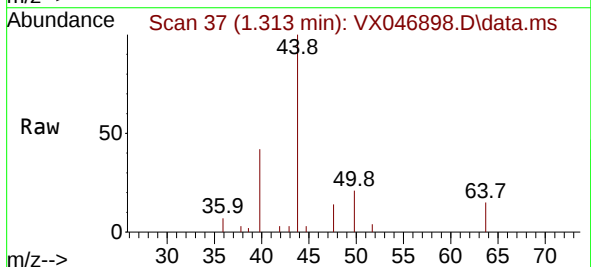
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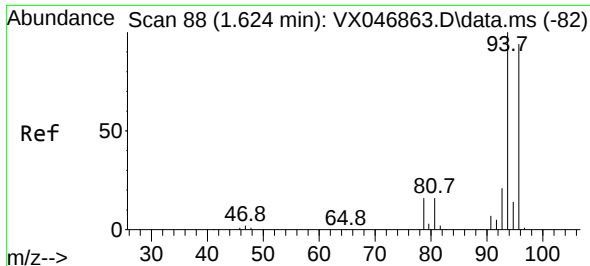
Reviewed By :John Carlone 07/08/2025
Supervised By :Mahesh Dadoda 07/08/2025



#3
Chloromethane
Concen: 0.214 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.006 min
Lab File: VX046898.D
Acq: 07 Jul 2025 11:03

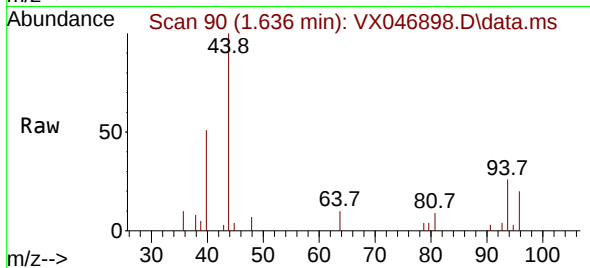
Tgt Ion: 50 Resp: 857
Ion Ratio Lower Upper
50 100
52 21.3 25.0 37.4#





#5
Bromomethane
Concen: 0.366 ug/l m
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX046898.D
Acq: 07 Jul 2025 11:03

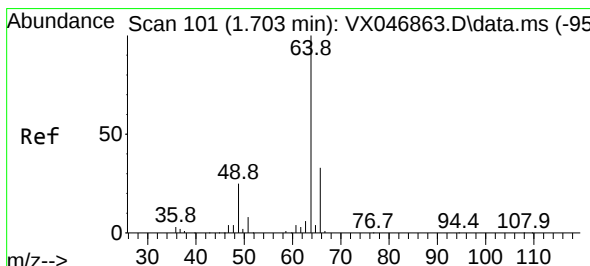
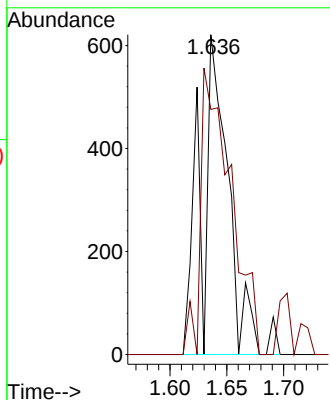
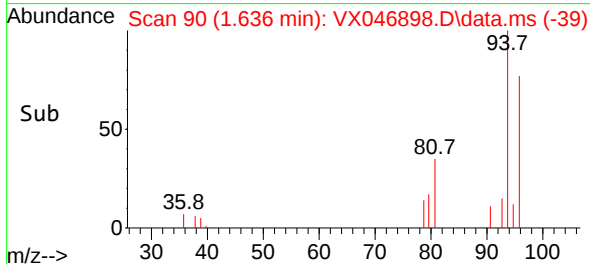
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



Tgt Ion: 94 Resp: 1029
Ion Ratio Lower Upper
94 100
96 76.7 75.5 113.3

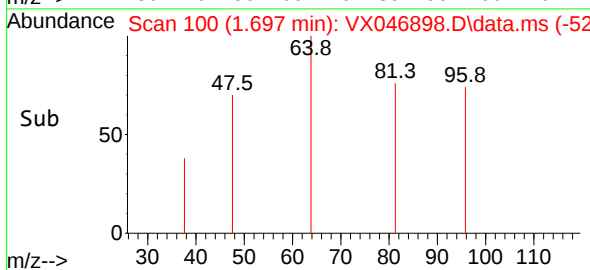
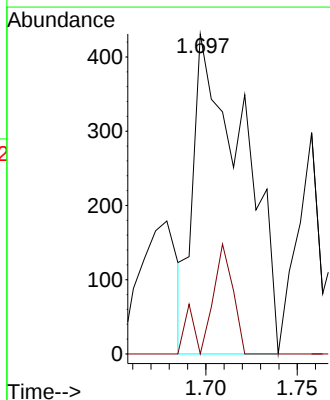
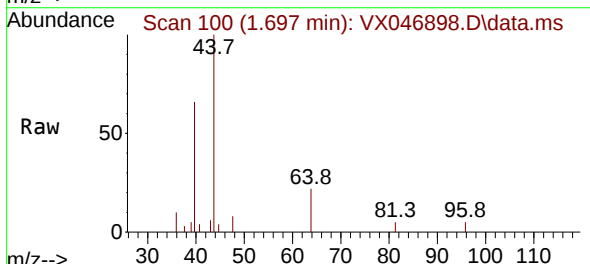
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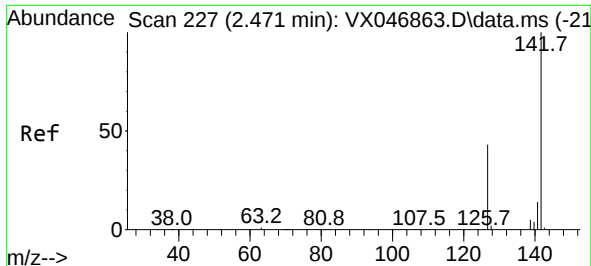
Reviewed By :John Carlone 07/08/2025
Supervised By :Mahesh Dadoda 07/08/2025



#6
Chloroethane
Concen: 0.285 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.006 min
Lab File: VX046898.D
Acq: 07 Jul 2025 11:03

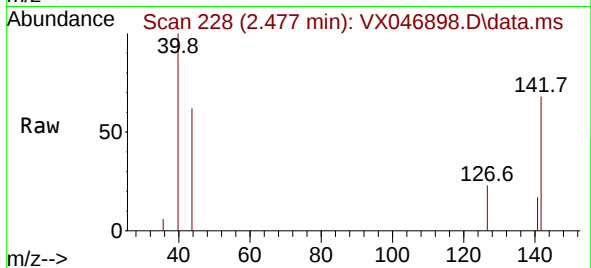
Tgt Ion: 64 Resp: 822
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#





#10
Methyl Iodide
Concen: 0.404 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046898.D
Acq: 07 Jul 2025 11:03

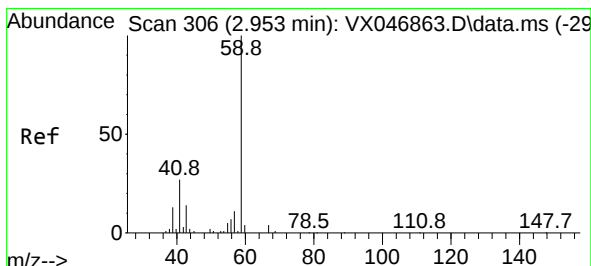
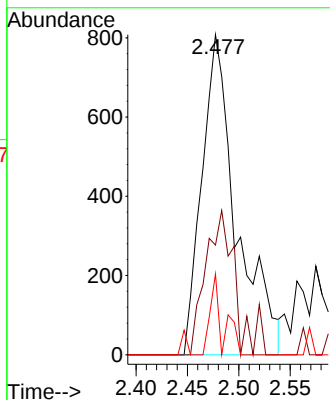
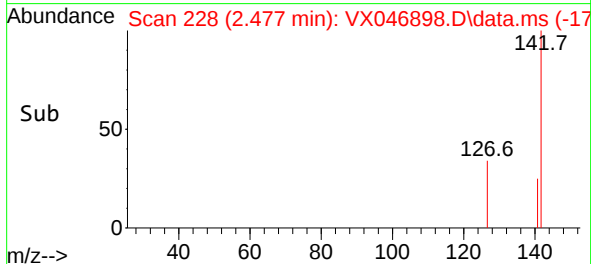
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



Tgt Ion:142 Resp: 189
Ion Ratio Lower Upper
142 100
127 35.9 34.9 52.3
141 9.3 11.1 16.7

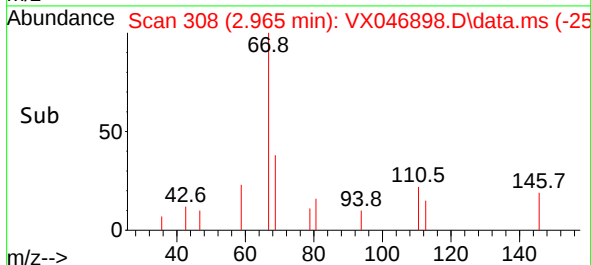
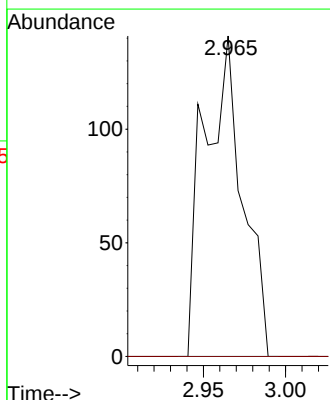
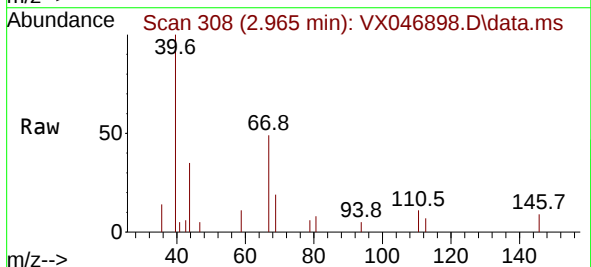
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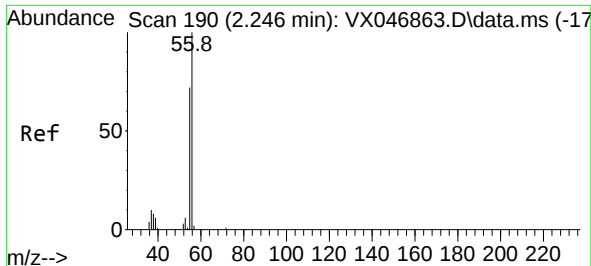
Reviewed By :John Carlone 07/08/2025
Supervised By :Mahesh Dadoda 07/08/2025



#11
Tert butyl alcohol
Concen: 0.685 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.012 min
Lab File: VX046898.D
Acq: 07 Jul 2025 11:03

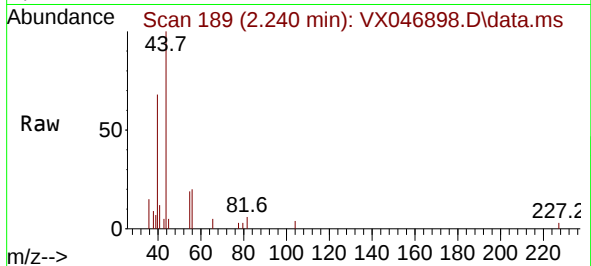
Tgt Ion: 59 Resp: 228
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13
Acrolein
Concen: 1.376 ug/l
RT: 2.240 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046898.D
Acq: 07 Jul 2025 11:03

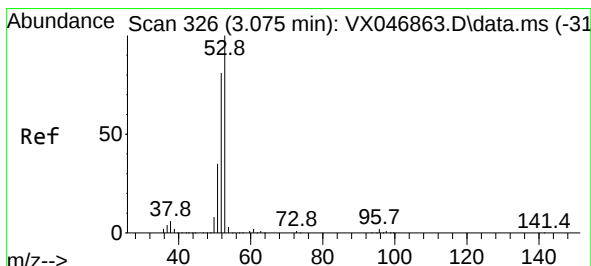
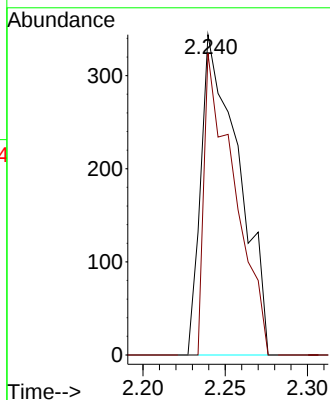
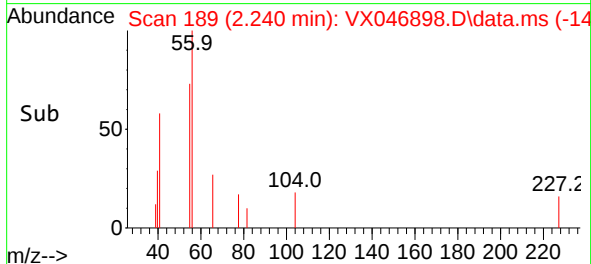
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 75.7 55.5 83.3

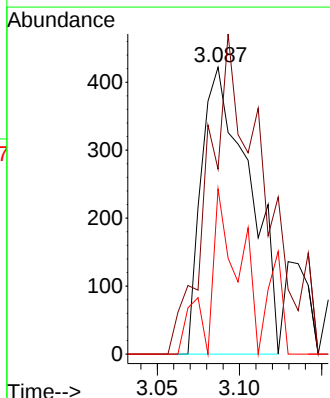
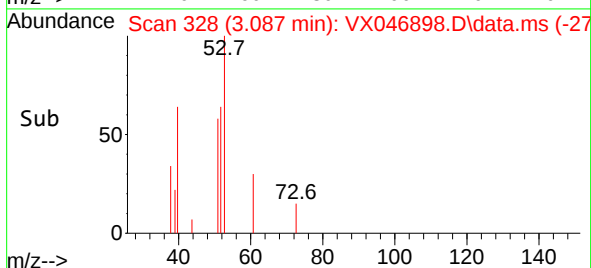
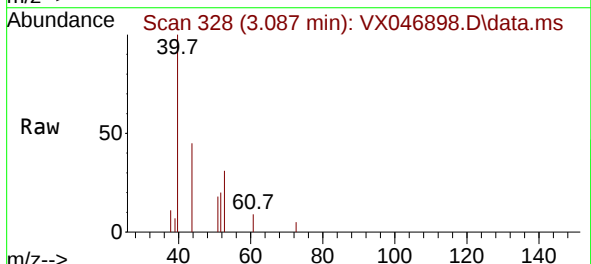
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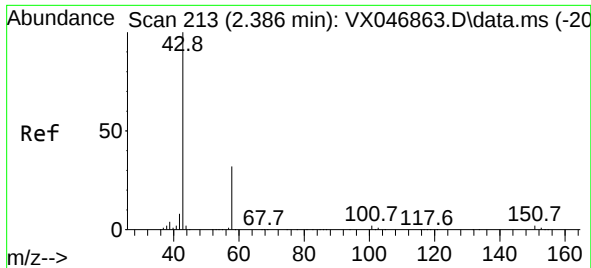
Reviewed By :John Carlone 07/08/2025
Supervised By :Mahesh Dadoda 07/08/2025



#15
Acrylonitrile
Concen: 0.441 ug/l
RT: 3.087 min Scan# 328
Delta R.T. 0.012 min
Lab File: VX046898.D
Acq: 07 Jul 2025 11:03

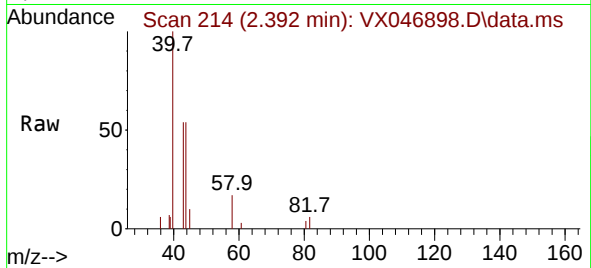
Tgt Ion: 53 Resp: 849
Ion Ratio Lower Upper
53 100
52 130.5 66.0 99.0#
51 35.7 28.6 43.0





#16
Acetone
Concen: 0.984 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX046898.D
Acq: 07 Jul 2025 11:03

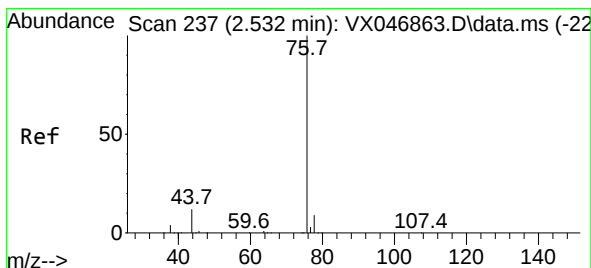
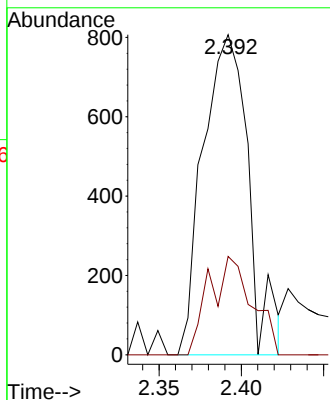
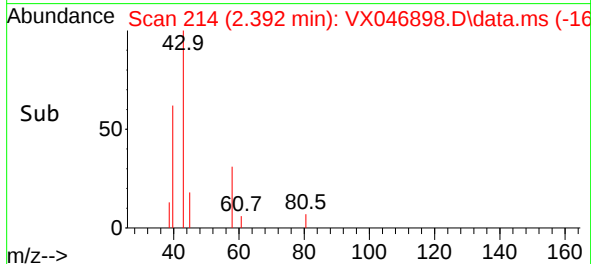
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



Tgt Ion: 43 Resp: 155
Ion Ratio Lower Upper
43 100
58 16.5 25.8 38.6

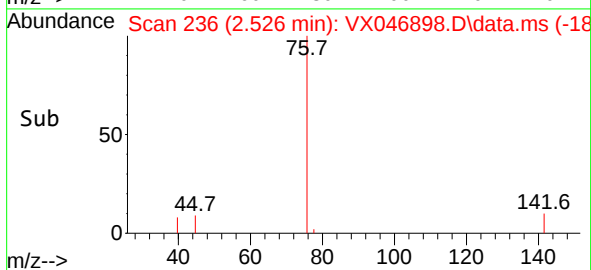
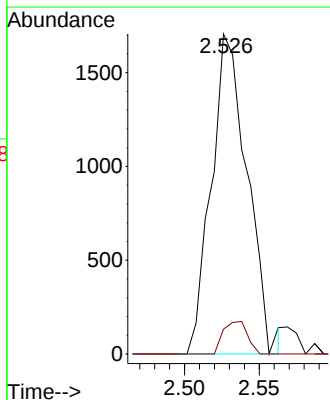
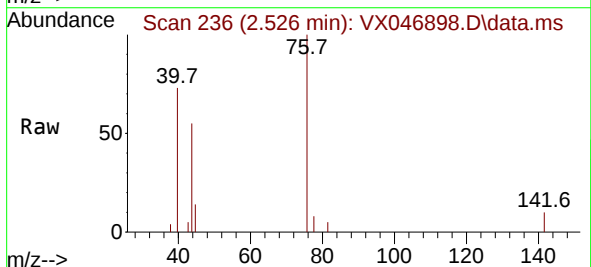
Manual Integrations
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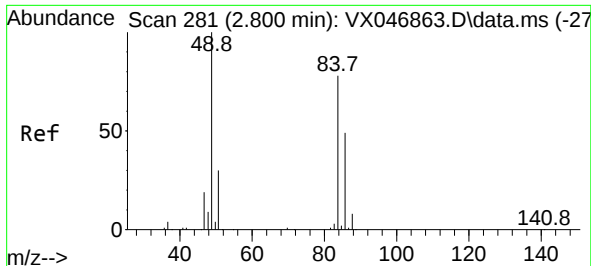
Reviewed By :John Carlone 07/08/2025
Supervised By :Mahesh Dadoda 07/08/2025



#17
Carbon Disulfide
Concen: 0.261 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.006 min
Lab File: VX046898.D
Acq: 07 Jul 2025 11:03

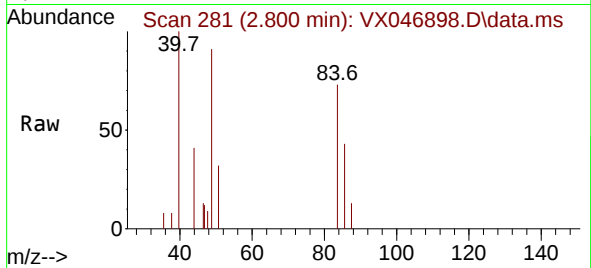
Tgt Ion: 76 Resp: 2847
Ion Ratio Lower Upper
76 100
78 7.7 7.4 11.2





#20
Methylene Chloride
Concen: 0.457 ug/l
RT: 2.800 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046898.D
Acq: 07 Jul 2025 11:03

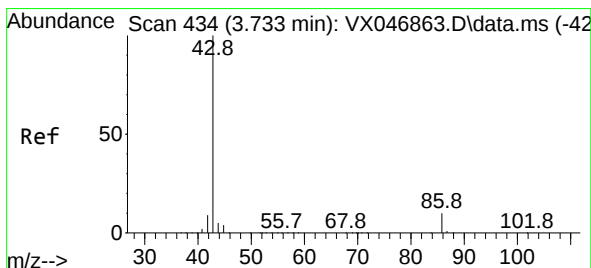
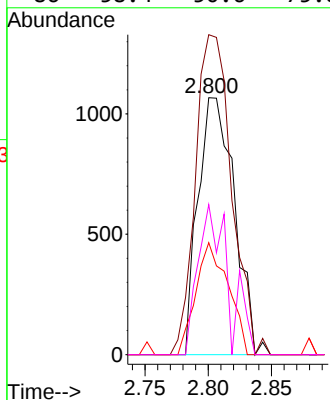
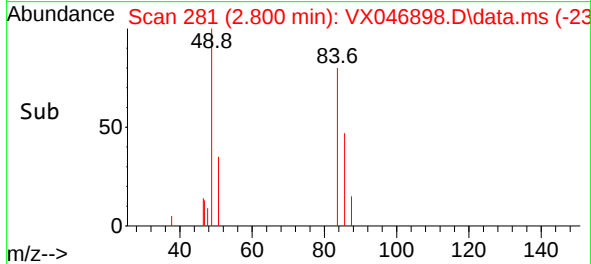
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



Tgt Ion: 84 Resp: 213
Ion Ratio Lower Upper
84 100
49 124.6 102.8 154.2
51 43.6 31.1 46.7
86 58.4 50.6 75.8

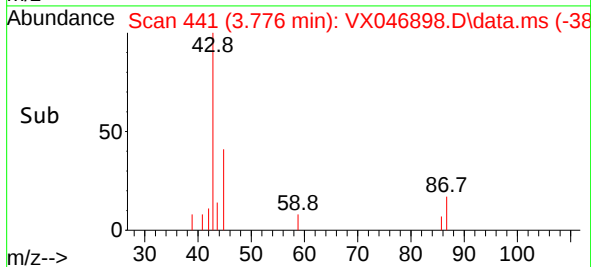
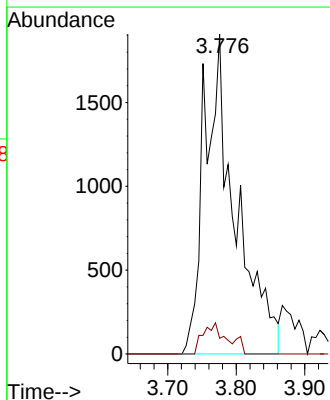
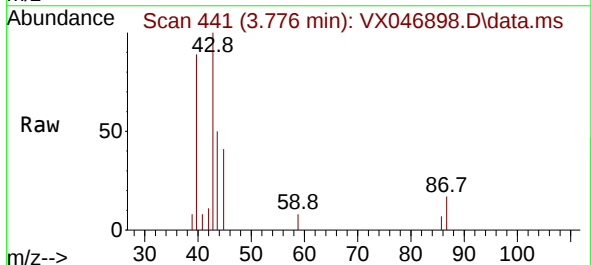
Manual Integrations
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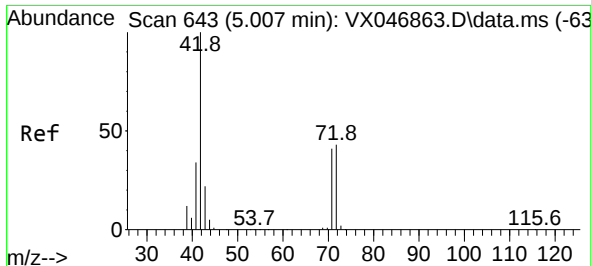
Reviewed By :John Carlone 07/08/2025
Supervised By :Mahesh Dadoda 07/08/2025



#23
Vinyl Acetate
Concen: 0.560 ug/l
RT: 3.776 min Scan# 441
Delta R.T. 0.043 min
Lab File: VX046898.D
Acq: 07 Jul 2025 11:03

Tgt Ion: 43 Resp: 6013
Ion Ratio Lower Upper
43 100
86 16.1 8.2 12.4#





#29

Tetrahydrofuran

Concen: 0.556 ug/l

RT: 5.074 min Scan# 61

Delta R.T. 0.067 min

Lab File: VX046898.D

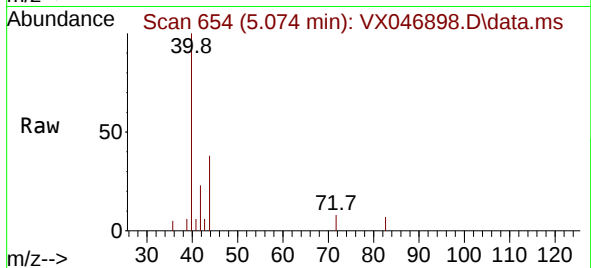
Acq: 07 Jul 2025 11:03

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2025



Tgt Ion: 42 Resp: 740

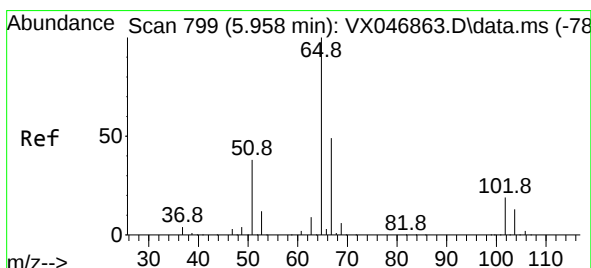
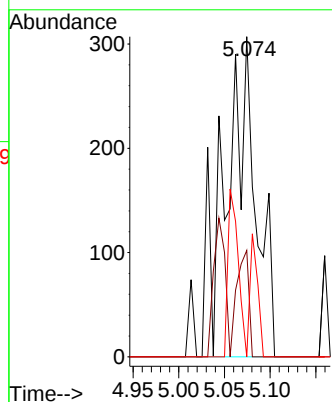
Ion	Ratio	Lower	Upper
42	100		
72	12.5	35.1	52.7
71	9.1	31.9	47.9

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 07/08/2025



#33

1,2-Dichloroethane-d4

Concen: 51.943 ug/l

RT: 5.964 min Scan# 800

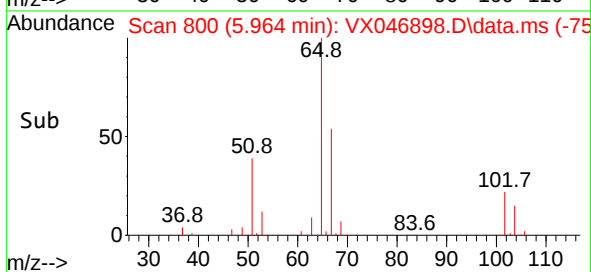
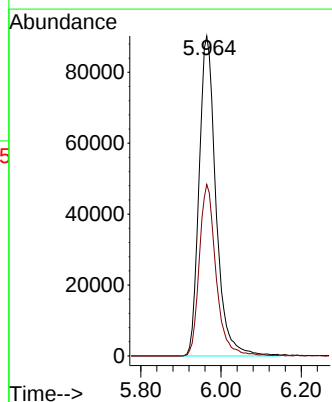
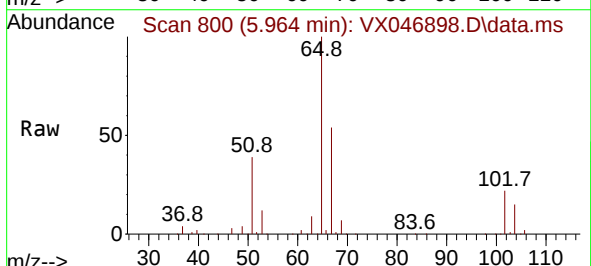
Delta R.T. 0.006 min

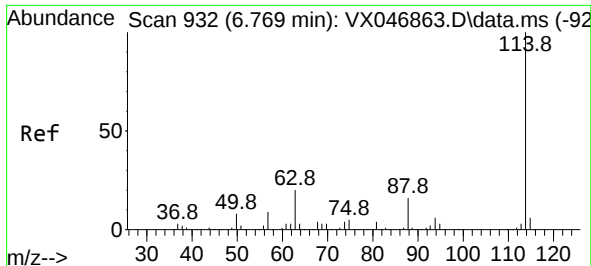
Lab File: VX046898.D

Acq: 07 Jul 2025 11:03

Tgt Ion: 65 Resp: 263600

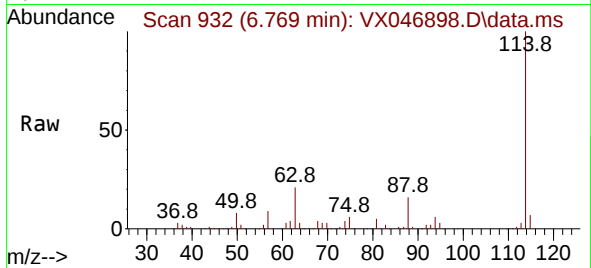
Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	105.2





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 914
Delta R.T. 0.000 min
Lab File: VX046898.D
Acq: 07 Jul 2025 11:03

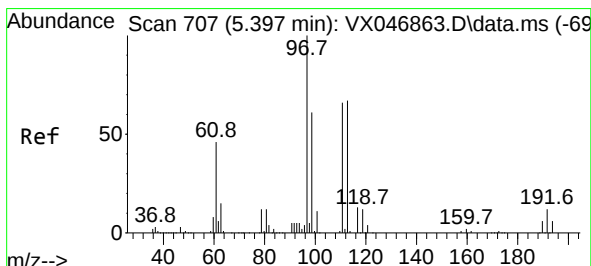
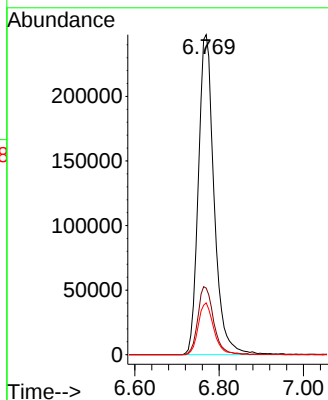
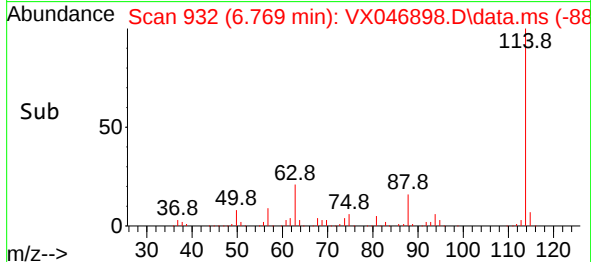
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



Tgt Ion:114 Resp: 64394
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.4
88 16.2 0.0 31.0

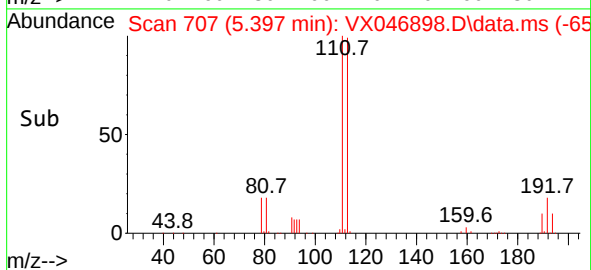
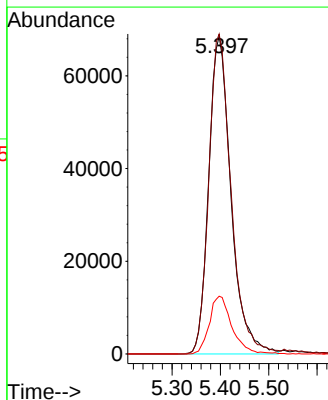
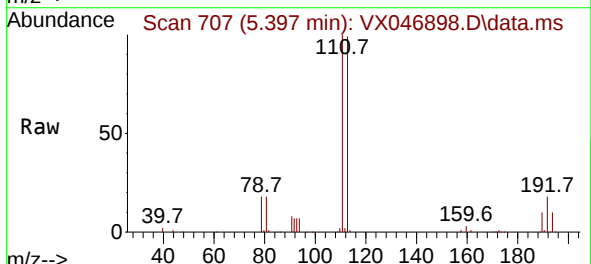
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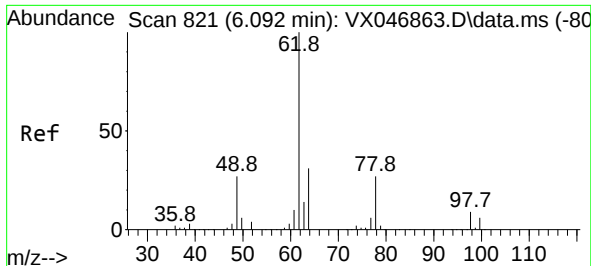
Reviewed By :John Carlone 07/08/2025
Supervised By :Mahesh Dadoda 07/08/2025



#35
Dibromofluoromethane
Concen: 50.277 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX046898.D
Acq: 07 Jul 2025 11:03

Tgt Ion:113 Resp: 219765
Ion Ratio Lower Upper
113 100
111 100.6 81.2 121.8
192 18.4 15.3 22.9





#42

1,2-Dichloroethane

Concen: 0.212 ug/l

RT: 6.111 min Scan# 81

Delta R.T. 0.018 min

Lab File: VX046898.D

Acq: 07 Jul 2025 11:03

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2025

Tgt Ion: 62 Resp: 128

Ion Ratio Lower Upper

62 100

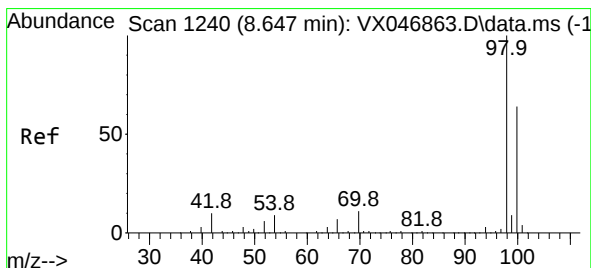
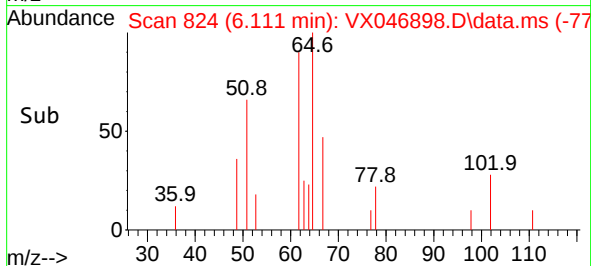
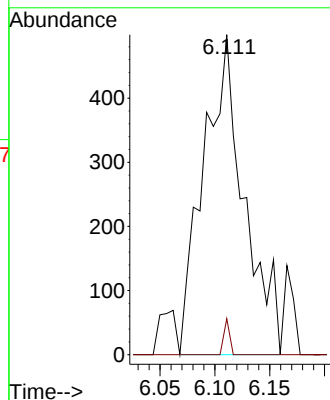
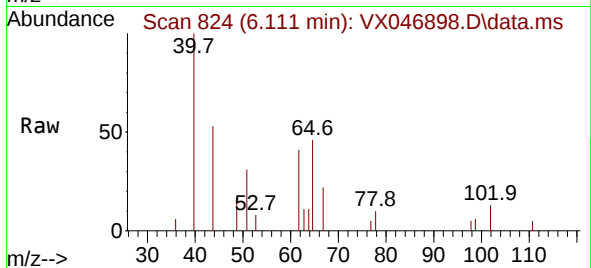
98 1.6 0.0 19.4

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Reviewed By :John Carlone 07/08/2025

Supervised By :Mahesh Dadoda 07/08/2025



#50

Toluene-d8

Concen: 49.774 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX046898.D

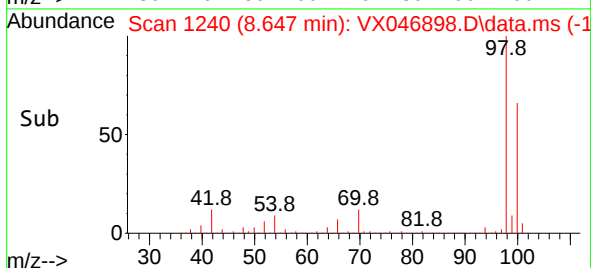
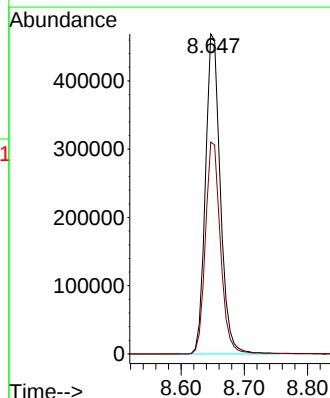
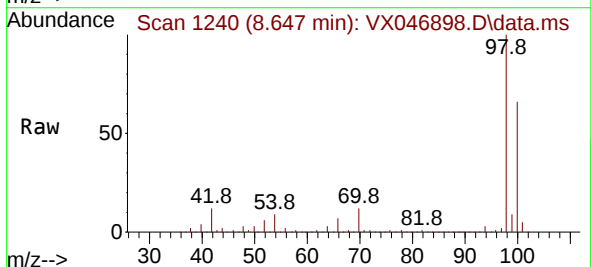
Acq: 07 Jul 2025 11:03

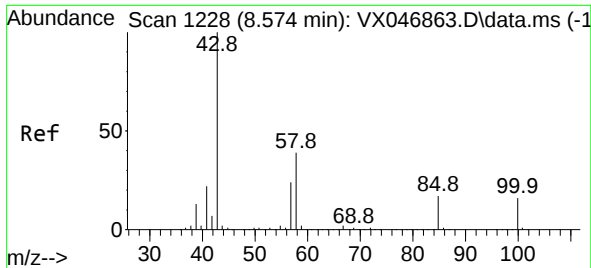
Tgt Ion: 98 Resp: 767628

Ion Ratio Lower Upper

98 100

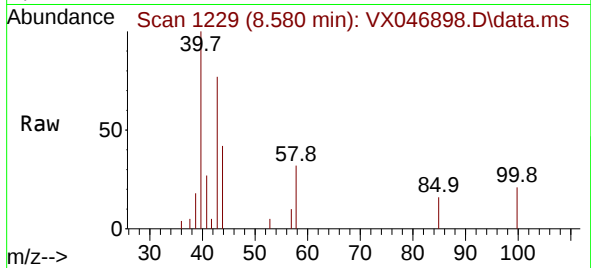
100 67.2 53.0 79.6





#51
4-Methyl-2-Pentanone
Concen: 0.537 ug/l
RT: 8.580 min Scan# 1179
Delta R.T. 0.006 min
Lab File: VX046898.D
Acq: 07 Jul 2025 11:03

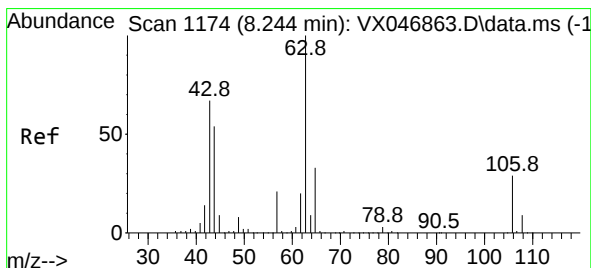
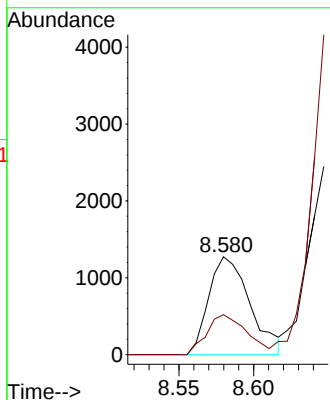
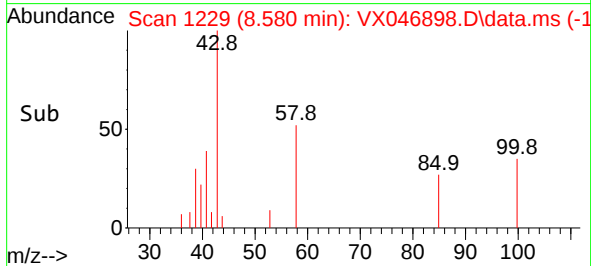
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



Tgt Ion: 43 Resp: 2440
Ion Ratio Lower Upper
43 100
58 39.7 30.4 45.6

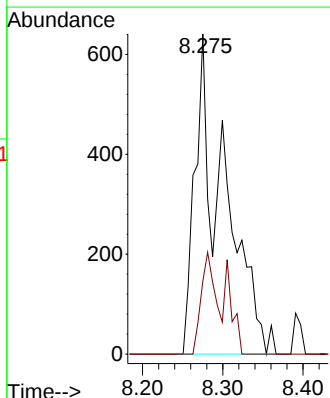
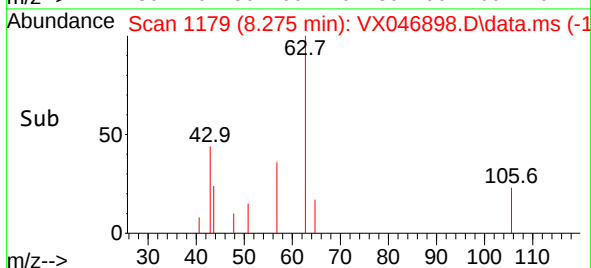
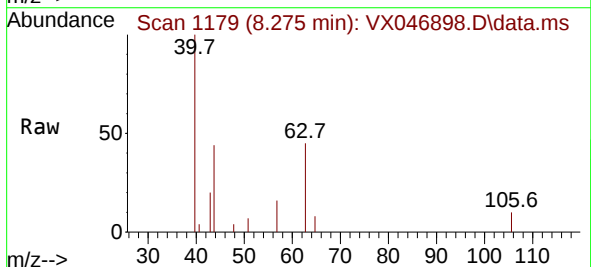
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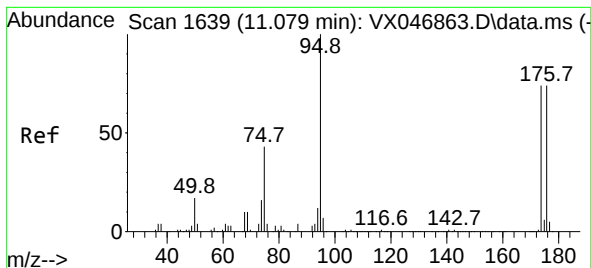
Reviewed By :John Carlone 07/08/2025
Supervised By :Mahesh Dadoda 07/08/2025



#58
2-Chloroethyl Vinyl ether
Concen: 0.497 ug/l m
RT: 8.275 min Scan# 1179
Delta R.T. 0.031 min
Lab File: VX046898.D
Acq: 07 Jul 2025 11:03

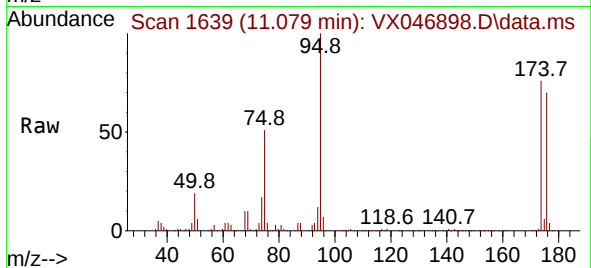
Tgt Ion: 63 Resp: 1596
Ion Ratio Lower Upper
63 100
106 16.4 22.6 33.8#





#62
4-Bromofluorobenzene
Concen: 52.291 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046898.D
Acq: 07 Jul 2025 11:03

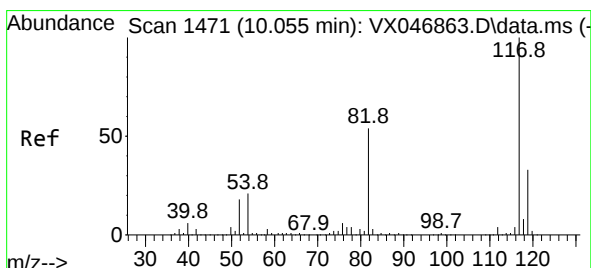
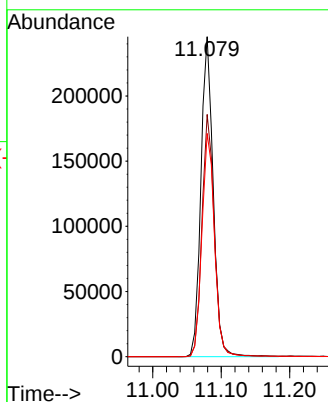
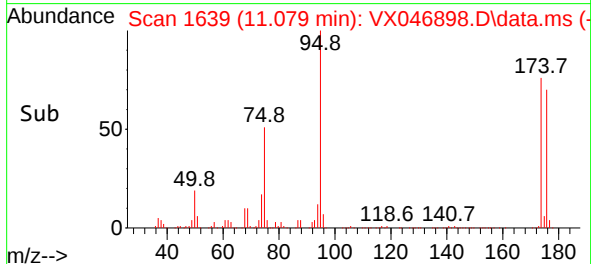
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



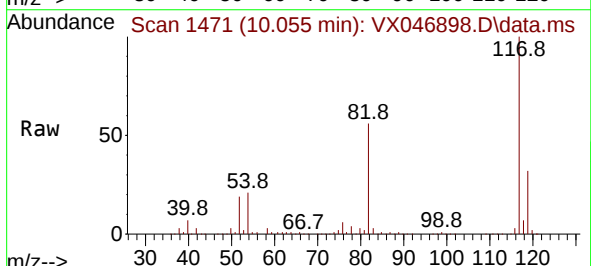
Tgt Ion: 95 Resp: 306494
Ion Ratio Lower Upper
95 100
174 76.2 0.0 152.0
176 72.1 0.0 145.2

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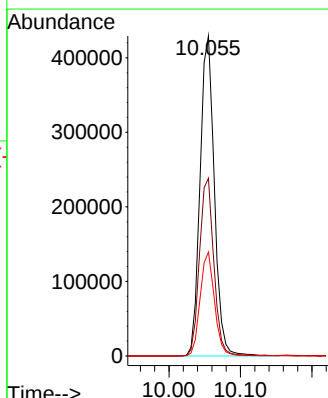
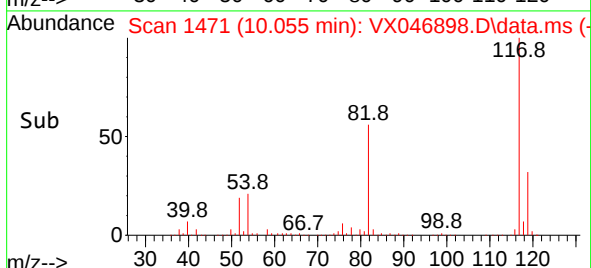
Reviewed By :John Carlone 07/08/2025
Supervised By :Mahesh Dadoda 07/08/2025

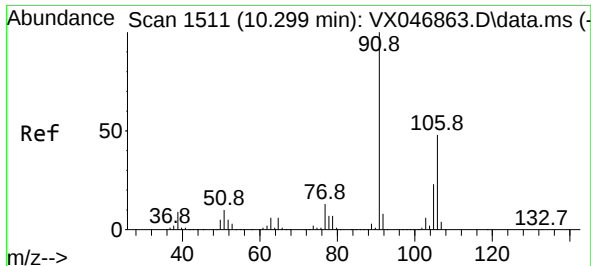


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046898.D
Acq: 07 Jul 2025 11:03



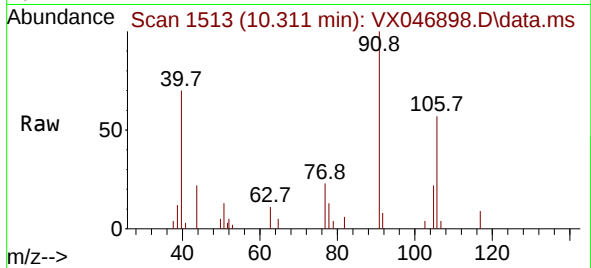
Tgt Ion:117 Resp: 597284
Ion Ratio Lower Upper
117 100
82 55.6 43.3 64.9
119 32.5 26.4 39.6





#68
m/p-Xylenes
Concen: 0.282 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.012 min
Lab File: VX046898.D
Acq: 07 Jul 2025 11:03

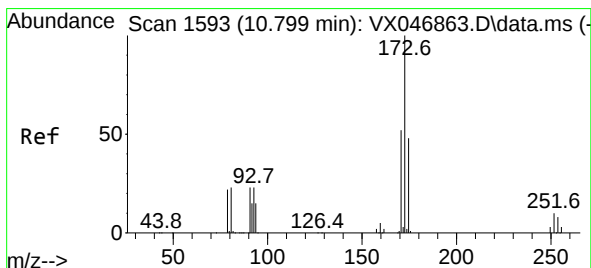
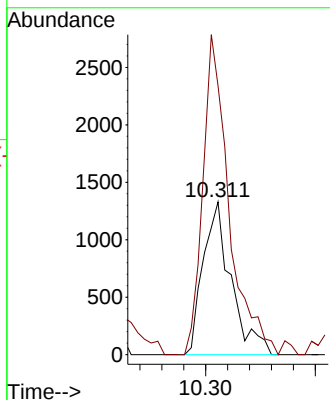
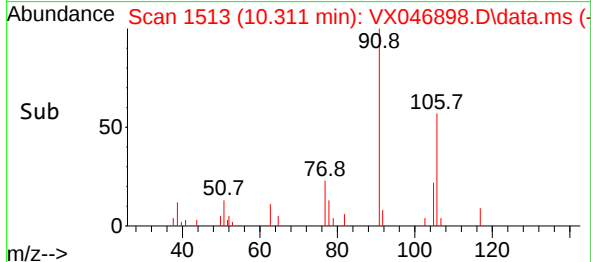
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025



Tgt Ion:106 Resp: 235
Ion Ratio Lower Upper
106 100
91 196.0 164.6 246.8

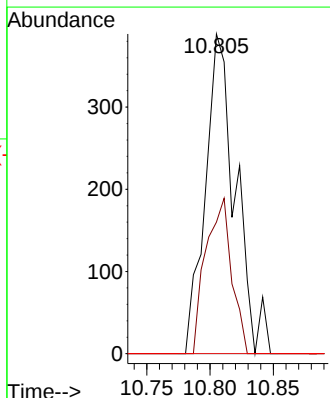
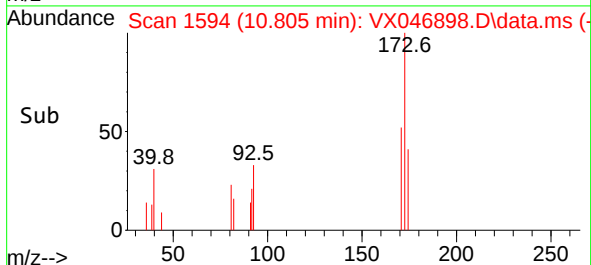
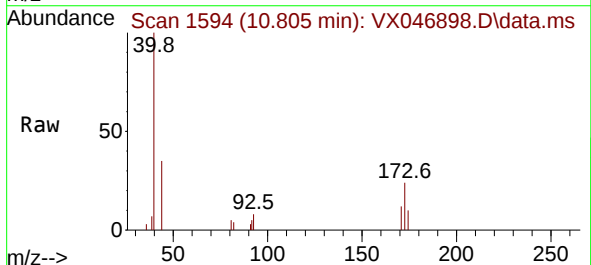
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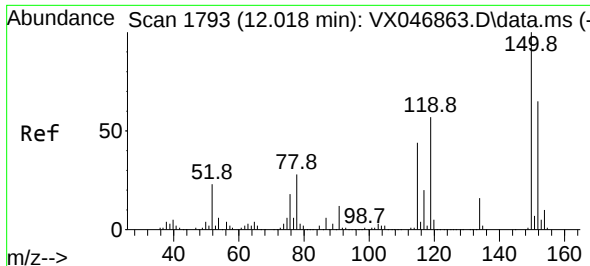
Reviewed By :John Carlone 07/08/2025
Supervised By :Mahesh Dadoda 07/08/2025



#71
Bromoform
Concen: 0.200 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX046898.D
Acq: 07 Jul 2025 11:03

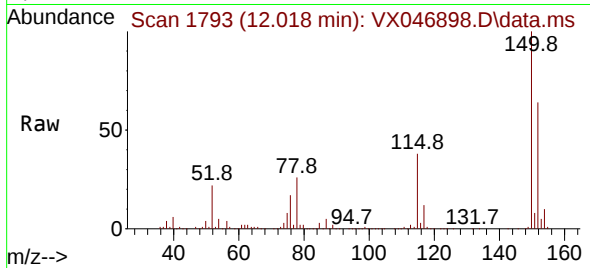
Tgt Ion:173 Resp: 647
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.5#
254 0.0 0.1 0.1#





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1793
 Delta R.T. 0.000 min
 Lab File: VX046898.D
 Acq: 07 Jul 2025 11:03

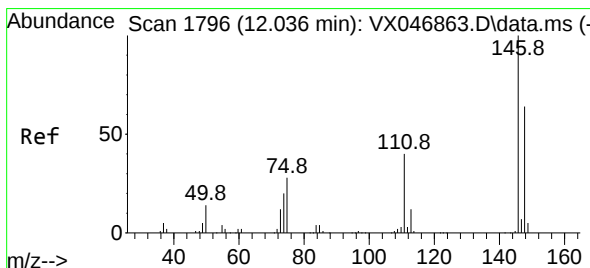
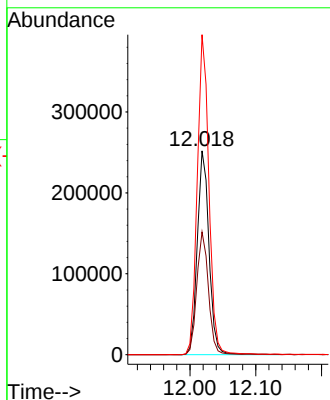
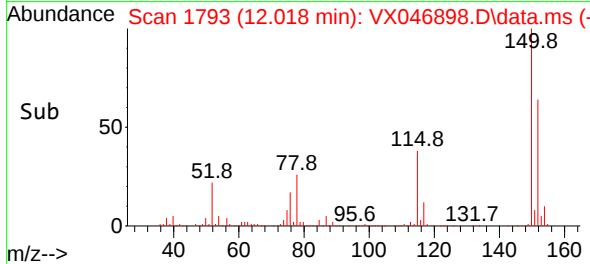
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2025



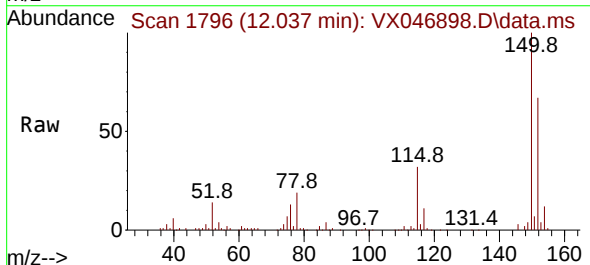
Tgt Ion:152 Resp: 311149
 Ion Ratio Lower Upper
 152 100
 115 59.8 42.4 127.1
 150 155.9 0.0 349.2

Manual Integrations
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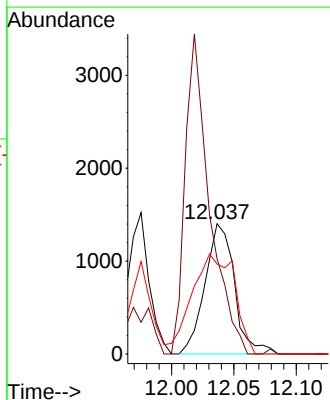
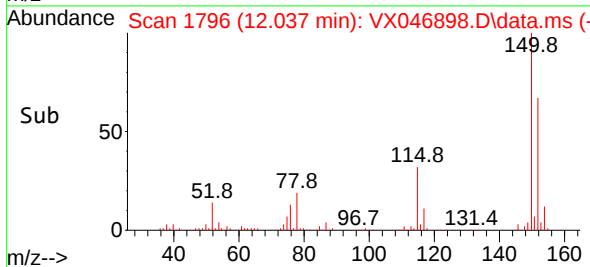
Reviewed By :John Carlone 07/08/2025
 Supervised By :Mahesh Dadoda 07/08/2025

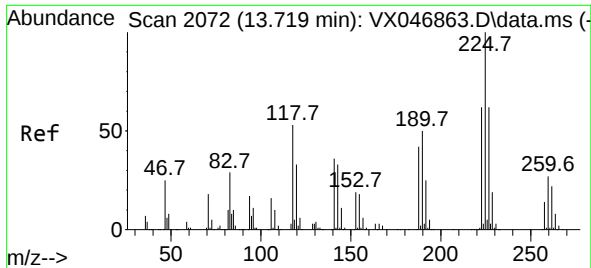


#88
 1,4-Dichlorobenzene
 Concen: 0.218 ug/l m
 RT: 12.037 min Scan# 1796
 Delta R.T. 0.000 min
 Lab File: VX046898.D
 Acq: 07 Jul 2025 11:03



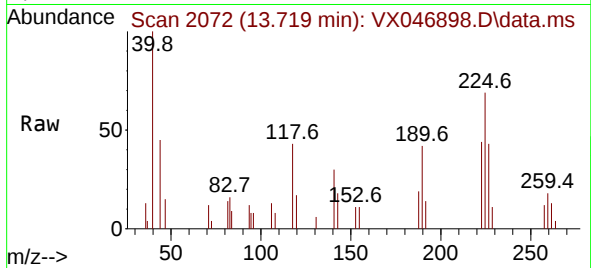
Tgt Ion:146 Resp: 2316
 Ion Ratio Lower Upper
 146 100
 111 33.2 20.2 60.5
 148 51.9 32.4 97.0





#94
 Hexachlorobutadiene
 Concen: 0.439 ug/l
 RT: 13.719 min Scan# 2072
 Delta R.T. 0.000 min
 Lab File: VX046898.D
 Acq: 07 Jul 2025 11:03

Instrument : MSVOA_X
 ClientSampleId : LOD-MDL-WATER-01-QT2-2025



Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.6	31.6	94.7
227	73.3	31.6	94.7

Manual Integrations
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Reviewed By :John Carlone 07/08/2025
 Supervised By :Mahesh Dadoda 07/08/2025

