

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091625\
 Data File : VV039094.D
 Acq On : 16 Sep 2025 10:34
 Operator : SY/MD
 Sample : Q2899-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT3-2025-06

Quant Time: Sep 17 02:31:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091525WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 17 02:19:46 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/17/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	356924	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	379861	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	144108	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	134201	4.767	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	95.400%	
7) Chloroethane-d5	1.545	69	119295	4.890	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	97.800%	
11) 1,1-Dichloroethene-d2	2.069	65	64269	4.792	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	95.800%	
20) 2-Butanone-d5	3.809	46	184229	44.063	ug/L	0.01
Spiked Amount	50.000	Range 40 - 130	Recovery	=	88.120%	
24) Chloroform-d	4.252	84	275602	5.041	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	100.800%	
26) 1,2-Dichloroethane-d4	4.944	65	123710	5.373	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	107.400%	
32) Benzene-d6	4.960	84	492117	4.734	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	94.600%	
36) 1,2-Dichloropropane-d6	5.985	67	159280	5.127	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	102.600%	
41) Toluene-d8	7.236	98	382416	4.110	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	82.200%	
43) trans-1,3-Dichloroprop...	7.558	79	49478	4.354	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	87.000%	
46) 2-Hexanone-d5	8.014	63	154618	42.028	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	84.060%	
56) 1,1,2,2-Tetrachloroeth...	10.143	84	112072	5.053	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	101.000%	
66) 1,2-Dichlorobenzene-d4	11.548	152	118235	5.097	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	102.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	11648	0.311	ug/L	91
3) Chloromethane	1.227	50	12436	0.338	ug/L	94
5) Vinyl chloride	1.294	62	13733	0.351	ug/L	87
6) Bromomethane	1.500	94	8710	0.391	ug/L	98
8) Chloroethane	1.561	64	8393	0.345	ug/L	93
9) Trichlorofluoromethane	1.725	101	18029	0.342	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	12965	0.400	ug/L	88
12) 1,1-Dichloroethene	2.079	96	10460	0.357	ug/L #	1
14) Carbon disulfide	2.252	76	34244	0.342	ug/L	95
15) Methyl Acetate	2.413	43	2783m	0.315	ug/L	
16) Methylene chloride	2.458	84	12961	0.393	ug/L	94
17) Methyl tert-butyl Ether	2.712	73	14219	0.282	ug/L #	91
18) trans-1,2-Dichloroethene	2.712	96	9682	0.325	ug/L	90
19) 1,1-Dichloroethane	3.130	63	17661	0.323	ug/L	95
21) 2-Butanone	3.963	43	13511m	2.896	ug/L	
22) cis-1,2-Dichloroethene	3.825	96	8826	0.303	ug/L	91
23) Bromochloromethane	4.165	128	4562m	0.343	ug/L	
25) Chloroform	4.278	83	22247	0.392	ug/L	95
27) 1,2-Dichloroethane	5.066	62	11446m	0.394	ug/L	

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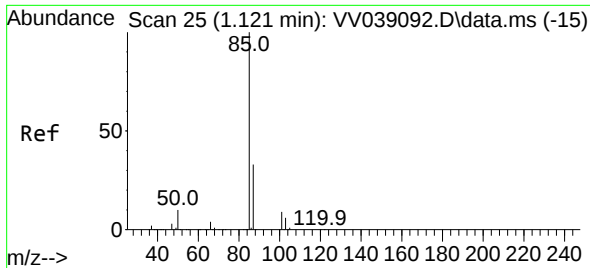
Quant Time: Sep 17 02:31:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091525WMA.M
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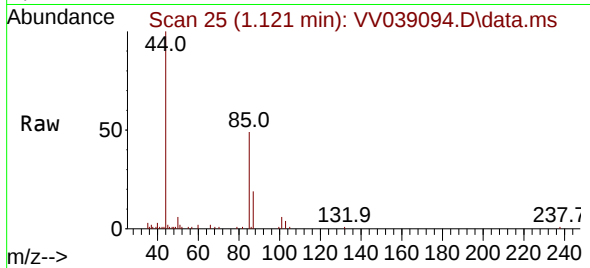
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 1,1,1-Trichloroethane	4.513	97	16304	0.312	ug/L	94
30) Cyclohexane	4.587	56	12104	0.261	ug/L	95
31) Carbon tetrachloride	4.741	117	14005	0.295	ug/L	99
33) Benzene	5.021	78	34360	0.287	ug/L	100
34) Trichloroethene	5.850	95	10210	0.317	ug/L	96
35) Methylcyclohexane	6.046	83	13034	0.258	ug/L	94
37) 1,2-Dichloropropane	6.104	63	9451m	0.305	ug/L	
38) Bromodichloromethane	6.442	83	13012	0.323	ug/L	88
39) cis-1,3-Dichloropropene	6.972	75	10607	0.258	ug/L	97
40) 4-Methyl-2-pentanone	7.162	43	31145m	2.535	ug/L	
42) Toluene	7.320	91	33289	0.267	ug/L	95
44) trans-1,3-Dichloropropene	7.599	75	10248m	0.307	ug/L	
45) 1,1,2-Trichloroethane	7.773	97	6479	0.304	ug/L	95
47) Tetrachloroethene	7.902	164	7634	0.303	ug/L	94
49) Dibromochloromethane	8.172	129	7858	0.315	ug/L	82
50) 1,2-Dibromoethane	8.284	107	5377	0.281	ug/L #	99
51) Chlorobenzene	8.808	112	23990	0.298	ug/L	96
52) Ethylbenzene	8.947	91	31221	0.243	ug/L	97
53) m,p-Xylene	9.075	106	11525	0.231	ug/L	98
54) o-Xylene	9.480	106	9759	0.213	ug/L	93
55) Styrene	9.503	104	17224m	0.213	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.168	83	7707	0.325	ug/L #	84
59) Bromoform	9.660	173	3351	0.328	ug/L #	88
60) Isopropylbenzene	9.863	105	26013	0.270	ug/L	96
61) 1,2,3-Trichloropropane	10.207	75	4182	0.345	ug/L	95
62) 1,3,5-Trimethylbenzene	10.471	105	21977	0.297	ug/L	94
63) 1,2,4-Trimethylbenzene	10.847	105	19372	0.266	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	14096	0.300	ug/L	92
65) 1,4-Dichlorobenzene	11.204	146	15191	0.312	ug/L	99
67) 1,2-Dichlorobenzene	11.567	146	13531	0.325	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.368	75	1009	0.382	ug/L	91
69) 1,3,5-Trichlorobenzene	12.580	180	8571	0.278	ug/L	93
70) 1,2,4-trichlorobenzene	13.197	180	6807	0.293	ug/L	97
71) Naphthalene	13.442	128	8708	0.246	ug/L	98
72) 1,2,3-Trichlorobenzene	13.676	180	5518	0.267	ug/L #	93

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



#2
Dichlorodifluoromethane
Concen: 0.311 ug/L
RT: 1.121 min Scan# 21
Delta R.T. -0.000 min
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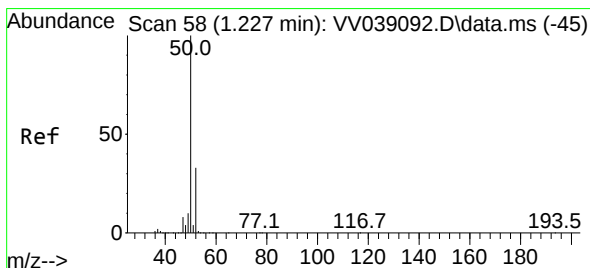
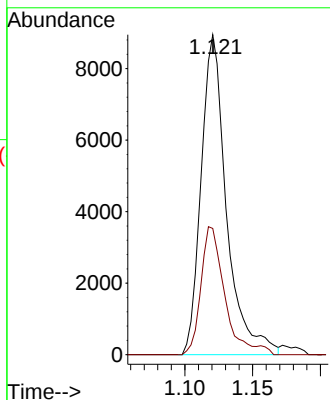
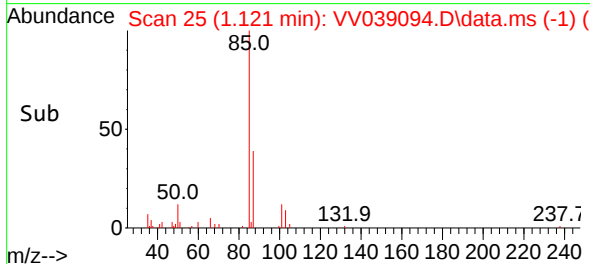
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06



Tgt Ion: 85 Resp: 11648
Ion Ratio Lower Upper
85 100
87 37.7 25.9 38.9

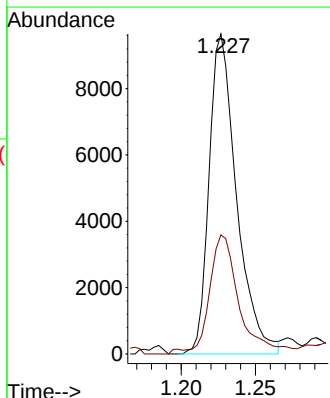
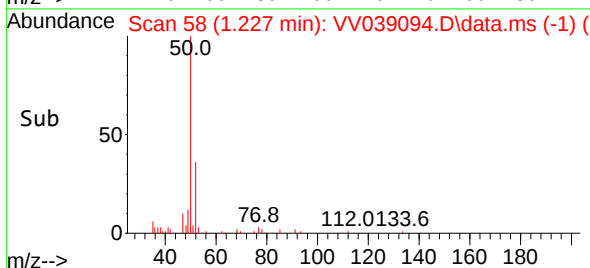
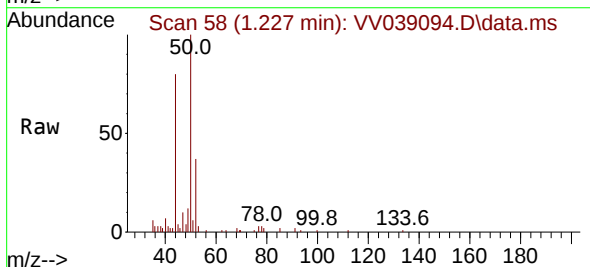
Manual Integrations
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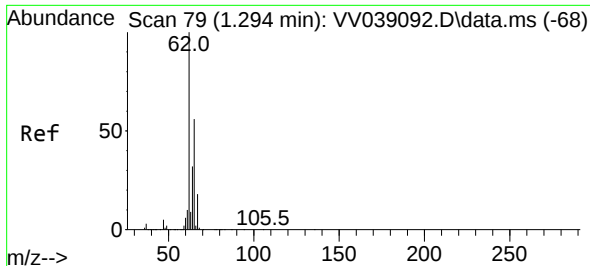
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025



#3
Chloromethane
Concen: 0.338 ug/L
RT: 1.227 min Scan# 58
Delta R.T. -0.000 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

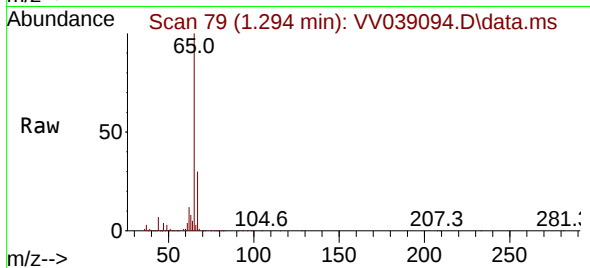
Tgt Ion: 50 Resp: 12436
Ion Ratio Lower Upper
50 100
52 37.2 23.4 43.6





#5
 Vinyl chloride
 Concen: 0.351 ug/L
 RT: 1.294 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: VV039094.D
 Acq: 16 Sep 2025 10:34

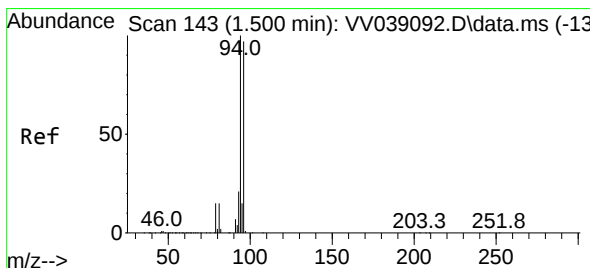
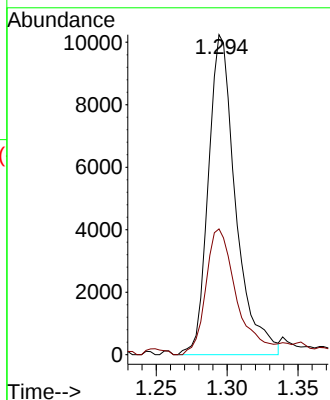
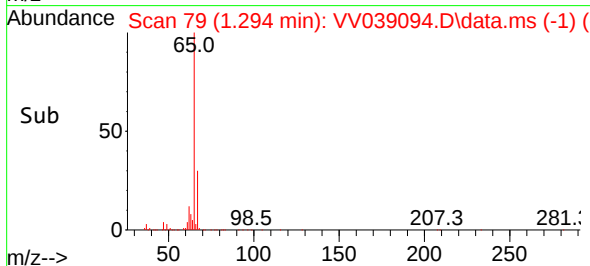
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT3-2025-06



Tgt Ion: 62 Resp: 1373
 Ion Ratio Lower Upper
 62 100
 64 39.3 22.4 41.6

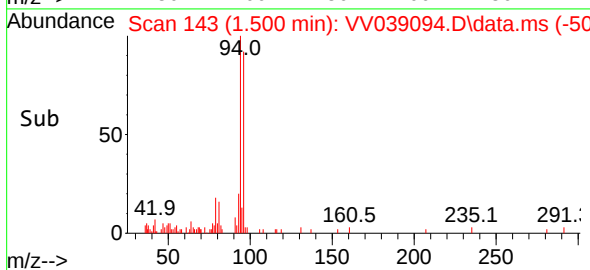
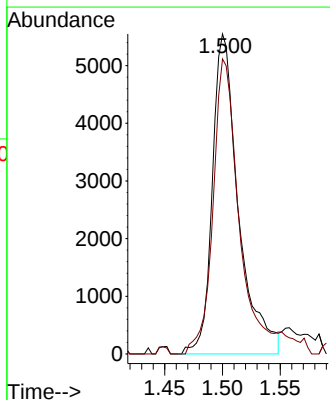
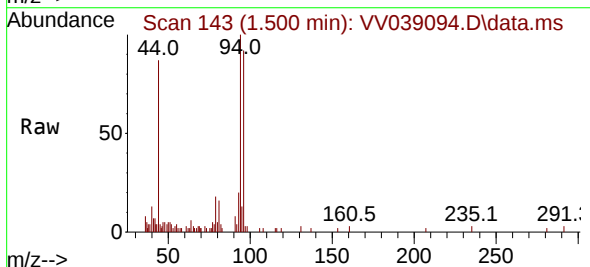
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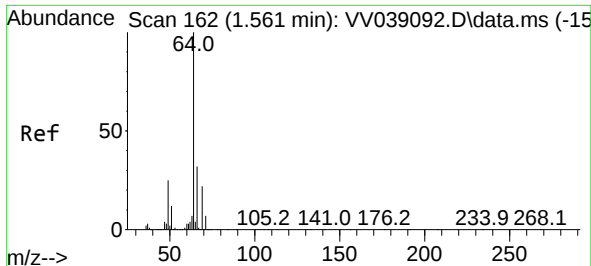
Reviewed By :John Carlone 09/17/2025
 Supervised By :Mahesh Dadoda 09/17/2025



#6
 Bromomethane
 Concen: 0.391 ug/L
 RT: 1.500 min Scan# 143
 Delta R.T. -0.000 min
 Lab File: VV039094.D
 Acq: 16 Sep 2025 10:34

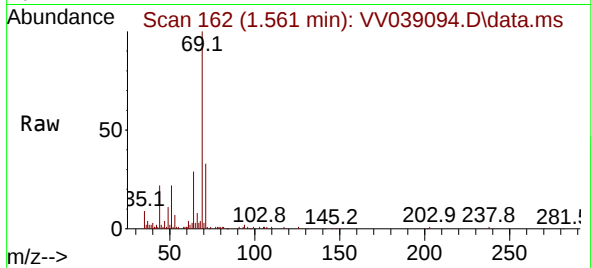
Tgt Ion: 94 Resp: 8710
 Ion Ratio Lower Upper
 94 100
 96 92.2 65.9 122.5





#8
Chloroethane
Concen: 0.345 ug/L
RT: 1.561 min Scan# 162
Delta R.T. -0.000 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

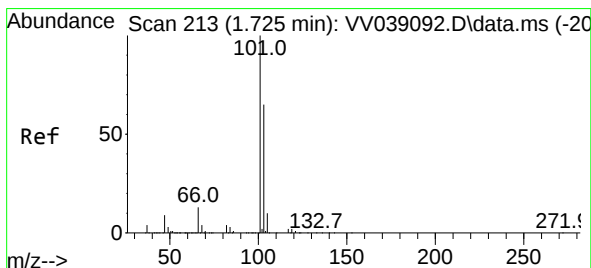
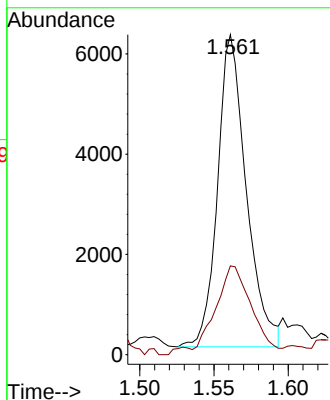
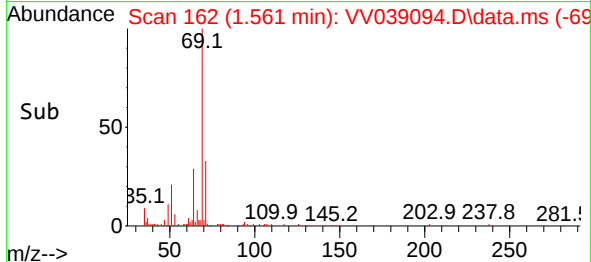
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06



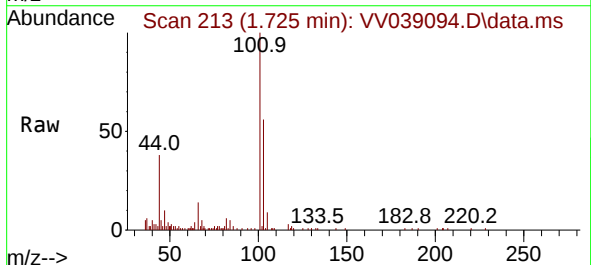
Tgt Ion: 64 Resp: 839
Ion Ratio Lower Upper
64 100
66 27.8 22.3 41.5

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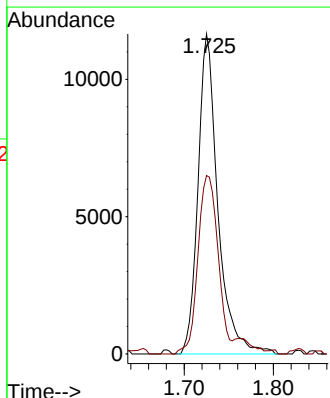
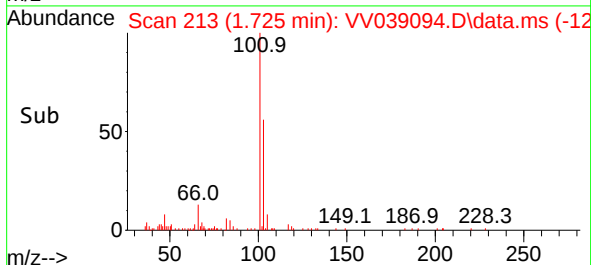
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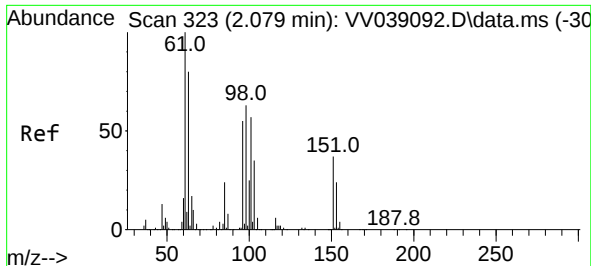


#9
Trichlorofluoromethane
Concen: 0.342 ug/L
RT: 1.725 min Scan# 213
Delta R.T. -0.000 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34



Tgt Ion:101 Resp: 18029
Ion Ratio Lower Upper
101 100
103 56.6 50.7 76.1





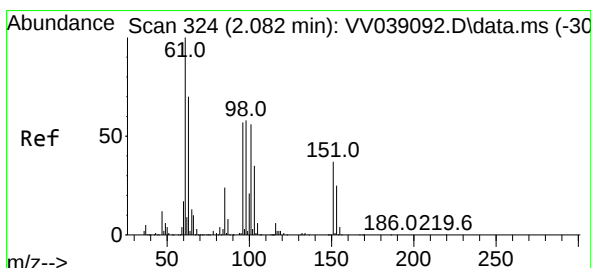
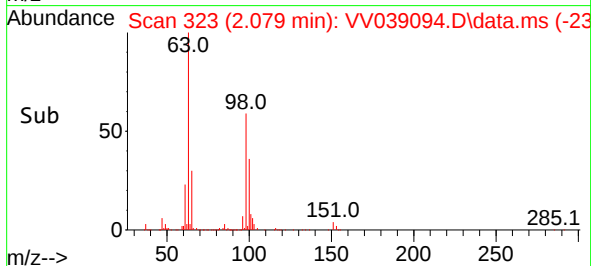
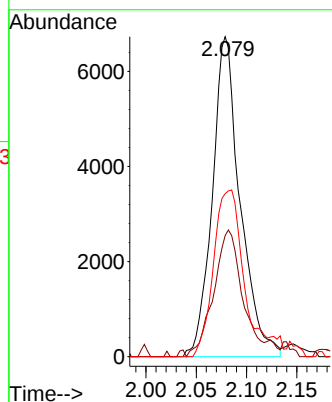
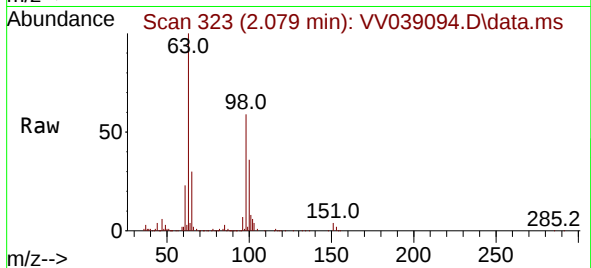
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.400 ug/L
RT: 2.079 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06

Tgt Ion:101 Resp: 1296
Ion Ratio Lower Upper
101 100
85 40.6 35.4 53.0
151 56.2 55.4 83.0

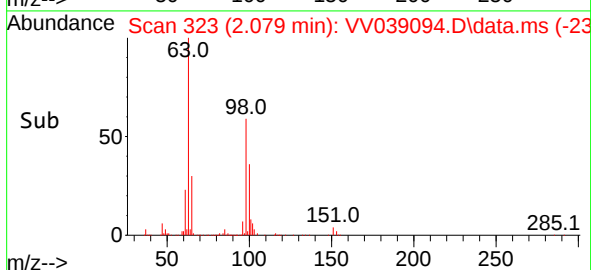
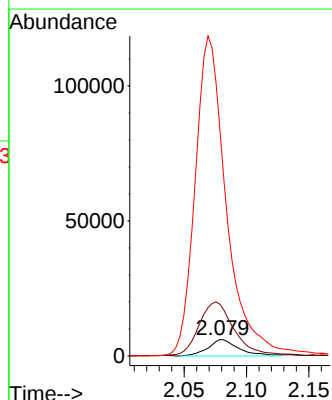
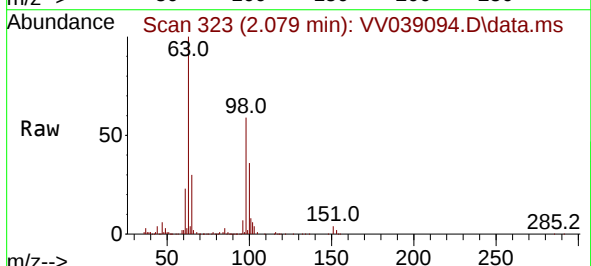
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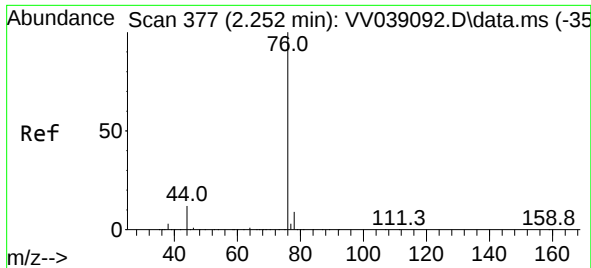
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025



#12
1,1-Dichloroethene
Concen: 0.357 ug/L
RT: 2.079 min Scan# 323
Delta R.T. -0.003 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

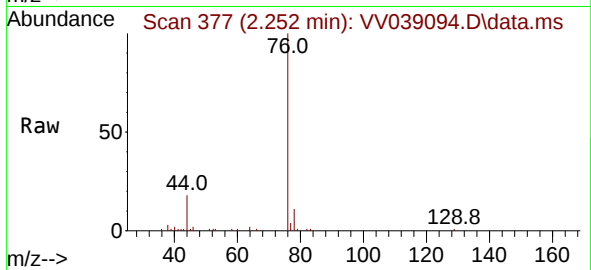
Tgt Ion: 96 Resp: 10460
Ion Ratio Lower Upper
96 100
61 314.0 124.7 231.7#
63 1366.9 93.5 173.7#





#14
Carbon disulfide
Concen: 0.342 ug/L
RT: 2.252 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

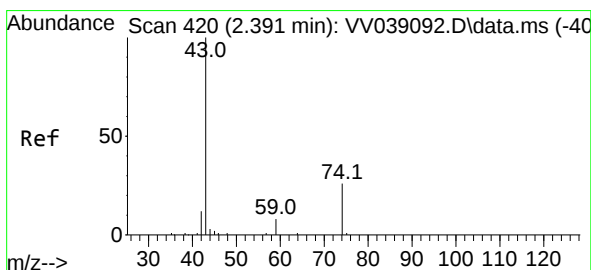
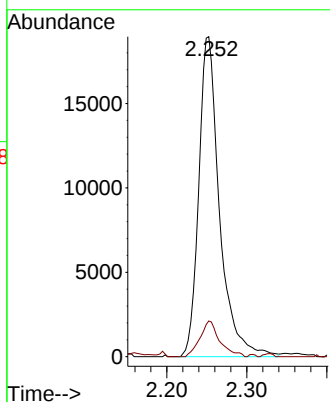
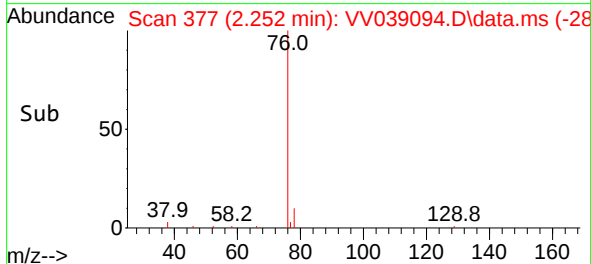
Instrument :
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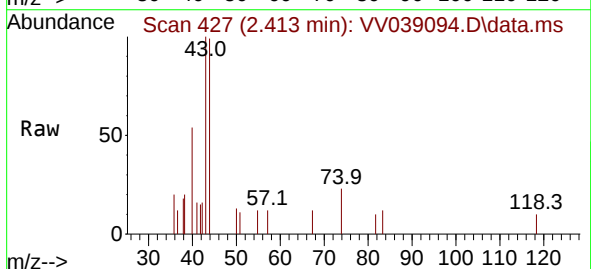
Tgt Ion: 76 Resp: 3424
Ion Ratio Lower Upper
76 100
78 11.1 7.4 11.2

Manual Integrations
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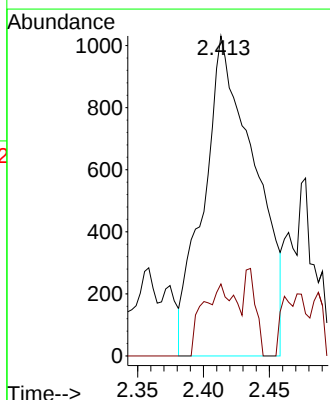
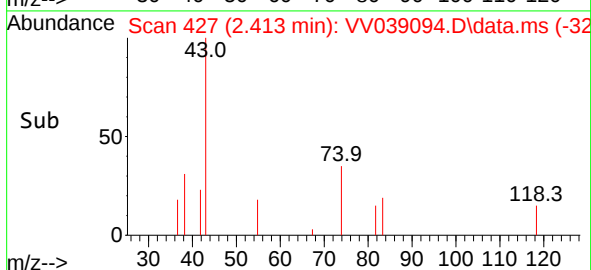
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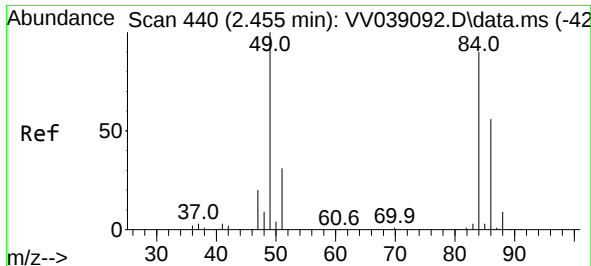


#15
Methyl Acetate
Concen: 0.315 ug/L m
RT: 2.413 min Scan# 427
Delta R.T. 0.022 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34



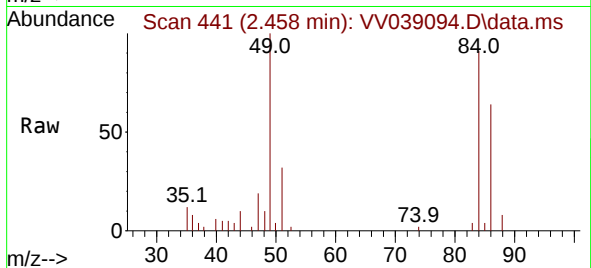
Tgt Ion: 43 Resp: 2783
Ion Ratio Lower Upper
43 100
74 14.6 18.8 28.2#





#16
Methylene chloride
Concen: 0.393 ug/L
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

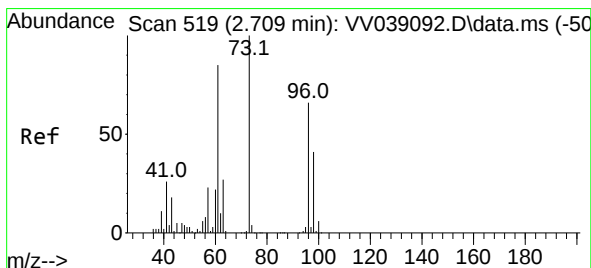
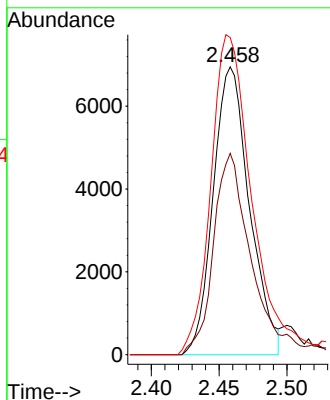
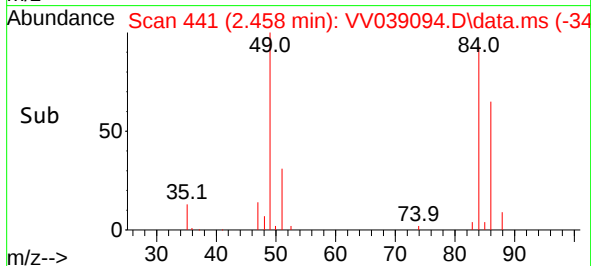
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06



Tgt Ion: 84 Resp: 1296
Ion Ratio Lower Upper
84 100
86 69.9 44.2 82.2
49 110.1 80.6 149.6

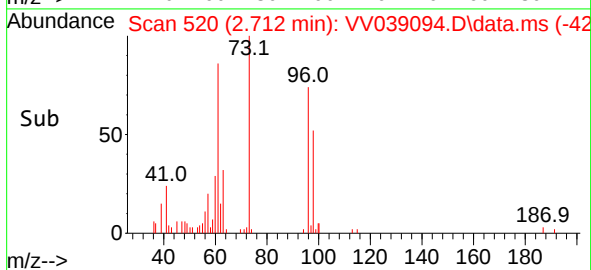
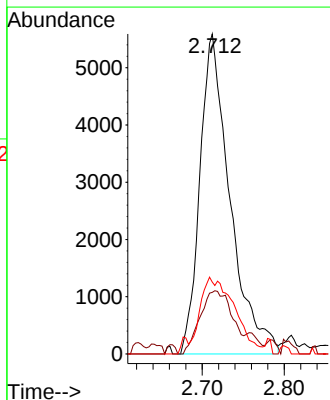
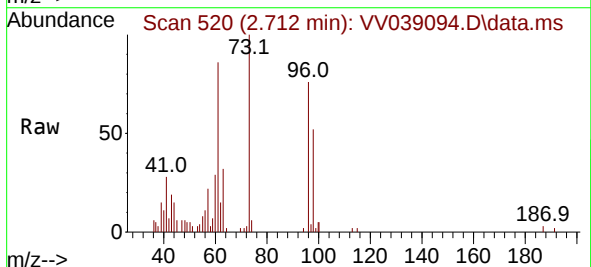
Manual Integrations
APPROVED

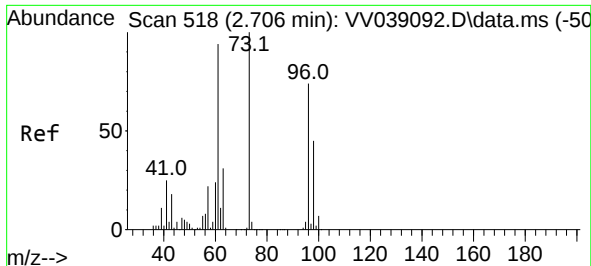
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025



#17
Methyl tert-butyl Ether
Concen: 0.282 ug/L
RT: 2.712 min Scan# 520
Delta R.T. 0.003 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

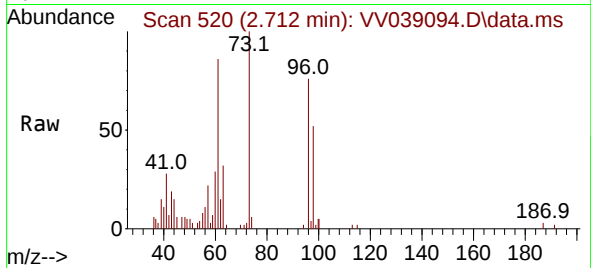
Tgt Ion: 73 Resp: 14219
Ion Ratio Lower Upper
73 100
43 21.2 14.7 22.1
57 27.4 18.0 27.0#





#18
trans-1,2-Dichloroethene
Concen: 0.325 ug/L
RT: 2.712 min Scan# 518
Delta R.T. 0.006 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

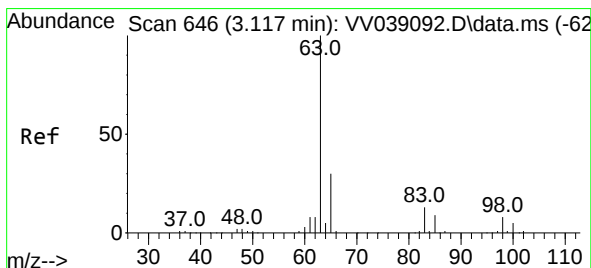
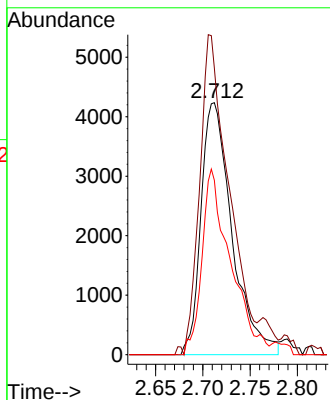
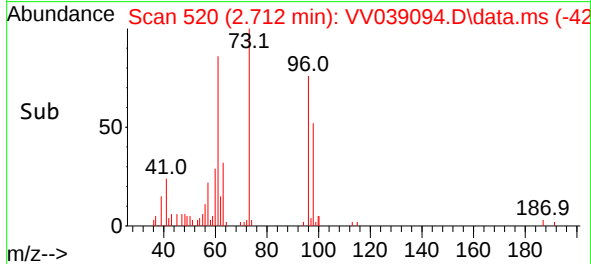
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06



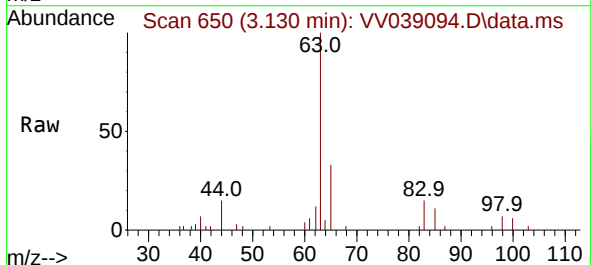
Tgt Ion: 96 Resp: 9682
Ion Ratio Lower Upper
96 100
61 113.7 89.7 166.5
98 69.2 44.9 83.3

Manual Integrations
APPROVED

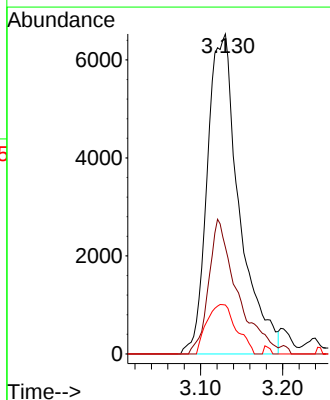
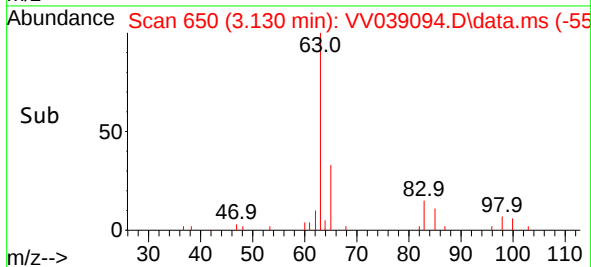
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025

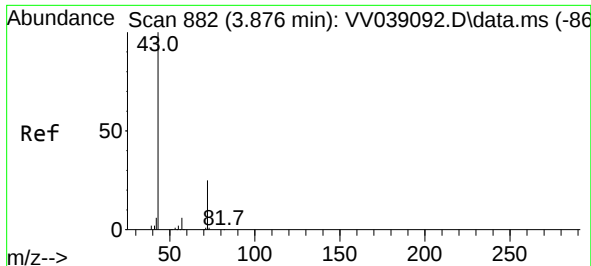


#19
1,1-Dichloroethane
Concen: 0.323 ug/L
RT: 3.130 min Scan# 650
Delta R.T. 0.013 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34



Tgt Ion: 63 Resp: 17661
Ion Ratio Lower Upper
63 100
65 33.4 21.5 39.9
83 15.3 9.2 17.2





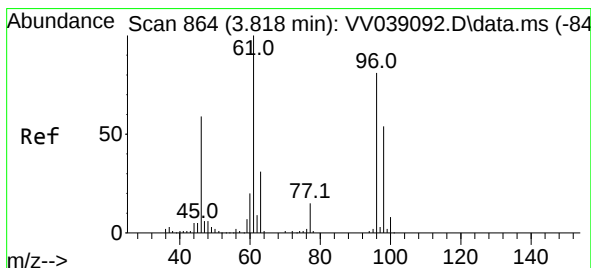
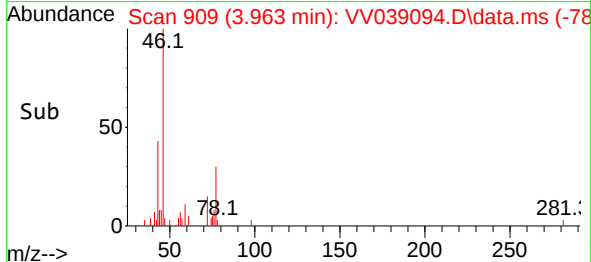
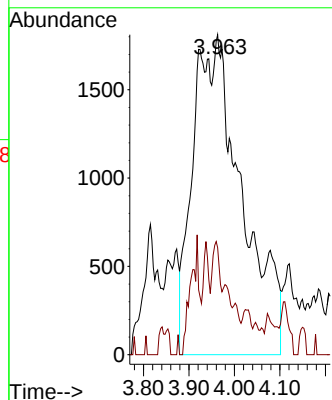
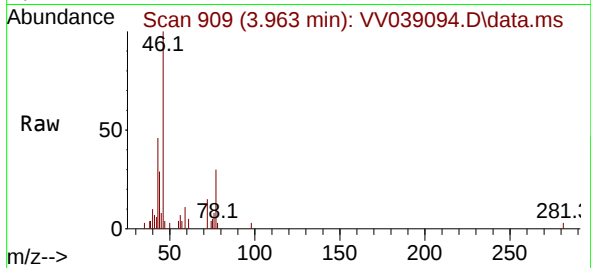
#21
2-Butanone
Concen: 2.896 ug/L m
RT: 3.963 min Scan# 909
Delta R.T. 0.087 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06

Tgt Ion: 43 Resp: 1351
Ion Ratio Lower Upper
43 100
72 2.2 12.0 36.0

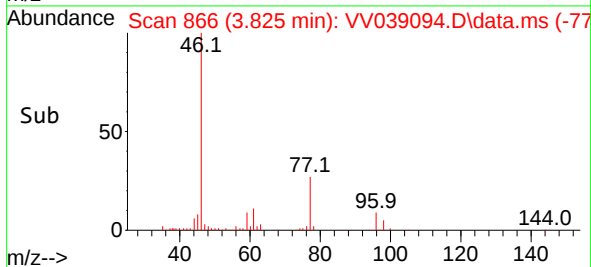
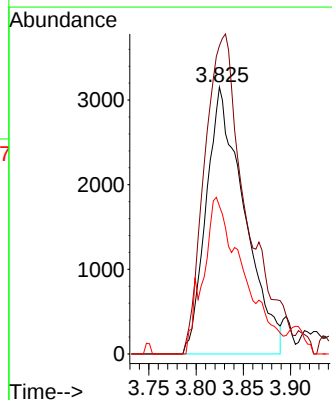
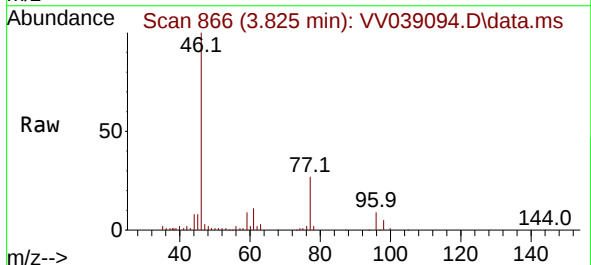
Manual Integrations
APPROVED

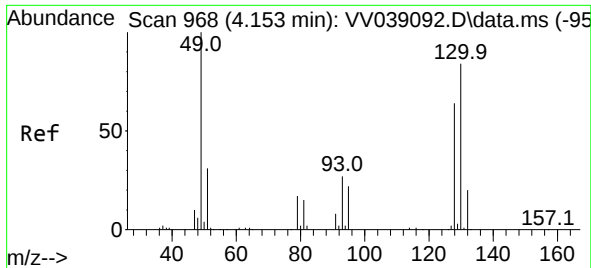
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025



#22
cis-1,2-Dichloroethene
Concen: 0.303 ug/L
RT: 3.825 min Scan# 866
Delta R.T. 0.006 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

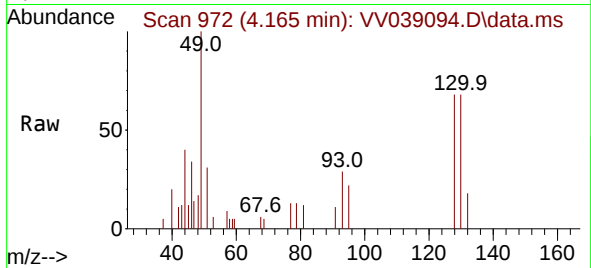
Tgt Ion: 96 Resp: 8826
Ion Ratio Lower Upper
96 100
61 115.4 85.4 158.6
98 55.4 46.6 86.6





#23
Bromochloromethane
Concen: 0.343 ug/L m
RT: 4.165 min Scan# 91
Delta R.T. 0.013 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

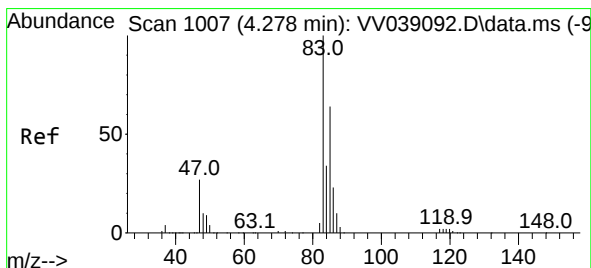
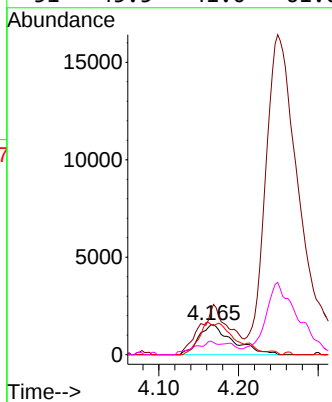
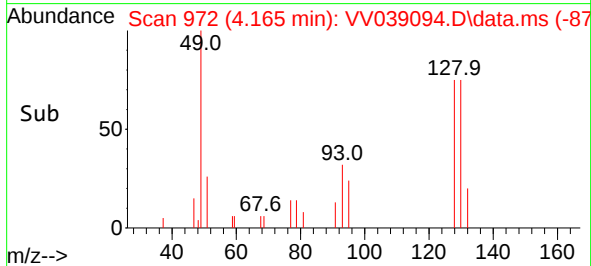
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06



Tgt Ion:128 Resp: 4562
Ion Ratio Lower Upper
128 100
49 147.4 115.3 214.1
130 100.2 93.2 173.0
51 45.5 41.0 61.6

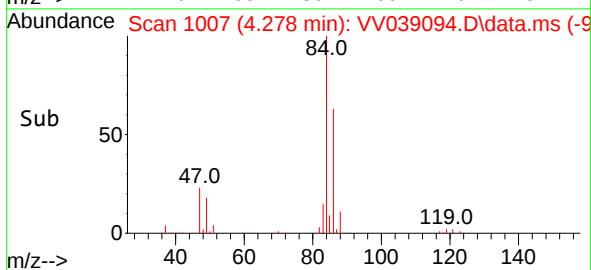
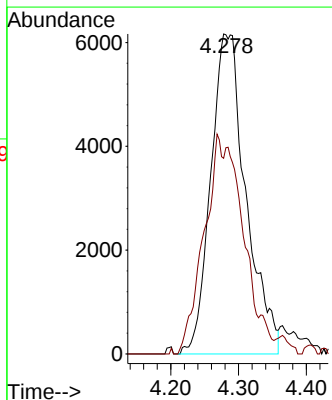
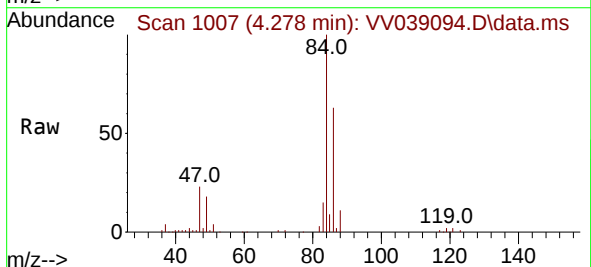
Manual Integrations
APPROVED

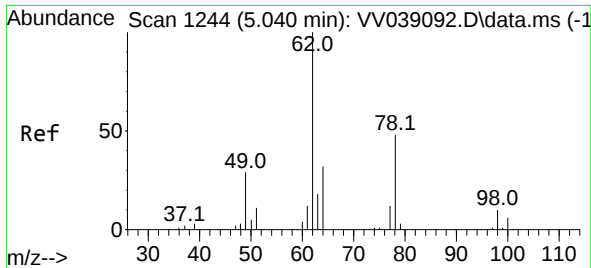
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025



#25
Chloroform
Concen: 0.392 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. -0.000 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

Tgt Ion: 83 Resp: 22247
Ion Ratio Lower Upper
83 100
85 61.2 45.3 84.1





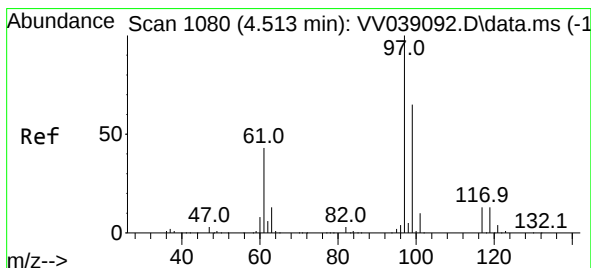
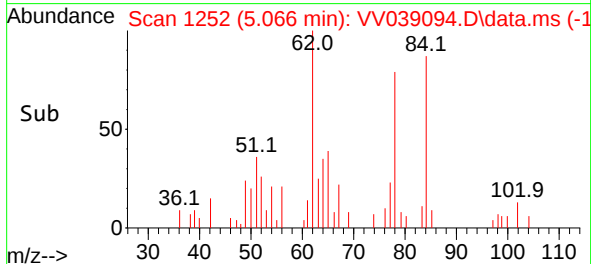
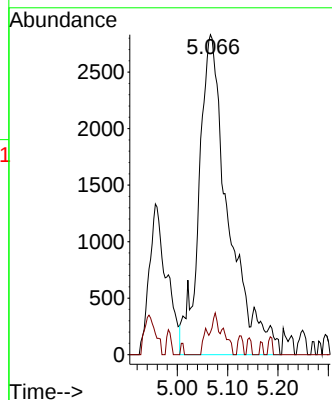
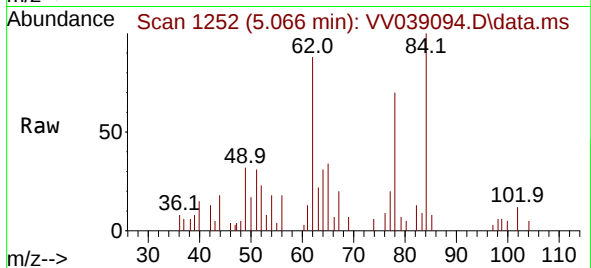
#27
1,2-Dichloroethane
Concen: 0.394 ug/L m
RT: 5.066 min Scan# 1144
Delta R.T. 0.026 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06

Tgt Ion: 62 Resp: 1144
Ion Ratio Lower Upper
62 100
98 7.0 8.6 12.8

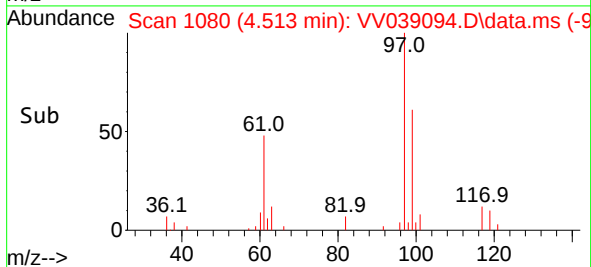
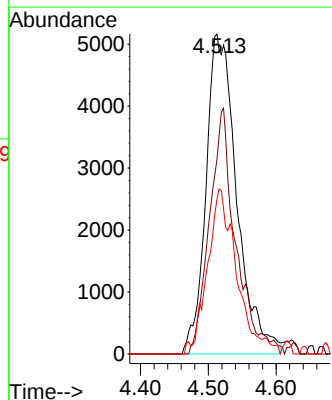
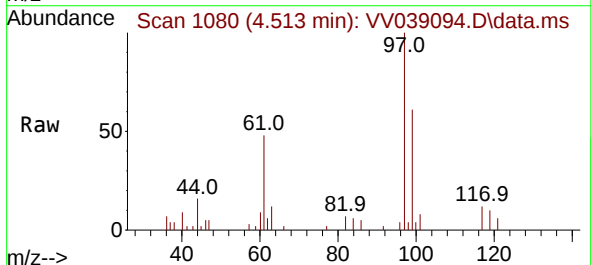
Manual Integrations
APPROVED

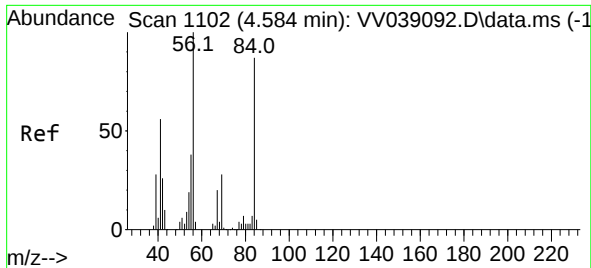
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025



#29
1,1,1-Trichloroethane
Concen: 0.312 ug/L
RT: 4.513 min Scan# 1080
Delta R.T. -0.000 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

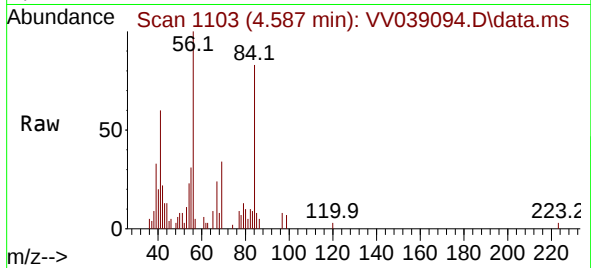
Tgt Ion: 97 Resp: 16304
Ion Ratio Lower Upper
97 100
99 65.6 51.1 76.7
61 48.2 32.9 49.3





#30
Cyclohexane
Concen: 0.261 ug/L
RT: 4.587 min Scan# 1104
Delta R.T. 0.003 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

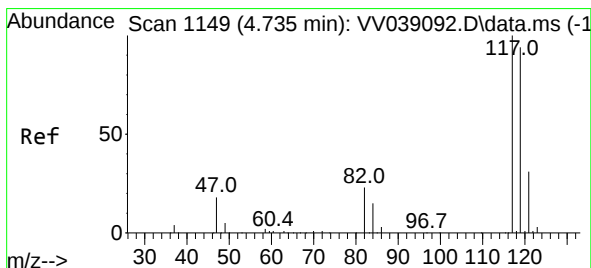
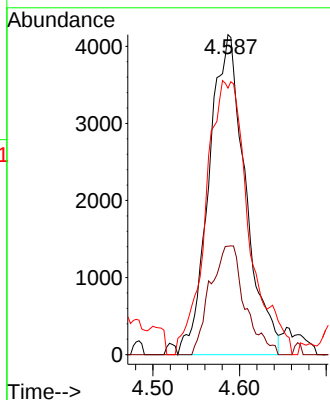
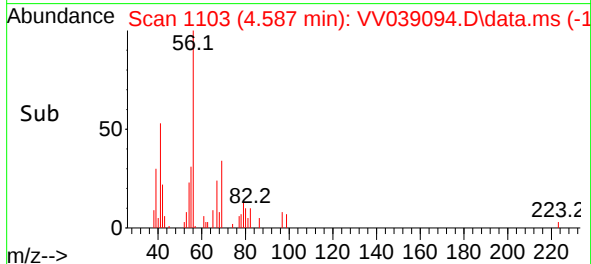
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06



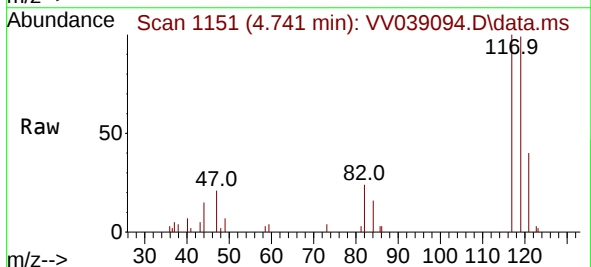
Tgt Ion: 56 Resp: 12104
Ion Ratio Lower Upper
56 100
69 32.3 25.0 37.6
84 95.2 71.3 106.9

Manual Integrations
APPROVED

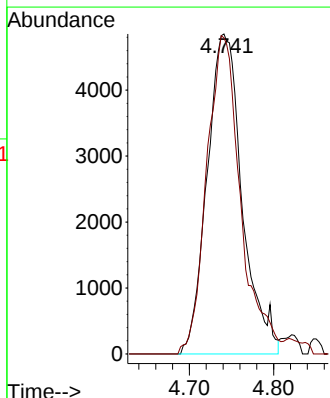
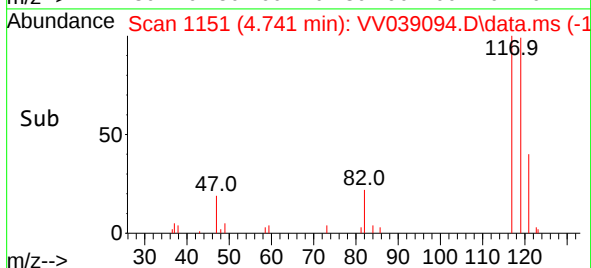
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025

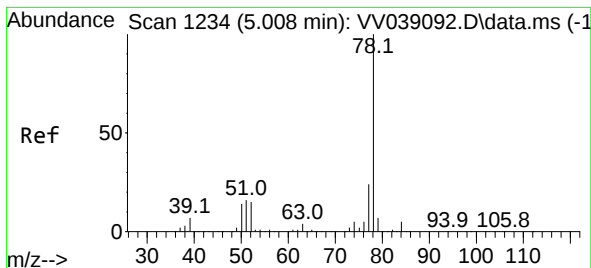


#31
Carbon tetrachloride
Concen: 0.295 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. 0.006 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34



Tgt Ion:117 Resp: 14005
Ion Ratio Lower Upper
117 100
119 96.0 77.4 116.2





#33

Benzene

Concen: 0.287 ug/L

RT: 5.021 min Scan# 11

Delta R.T. 0.013 min

Lab File: VV039094.D

Acq: 16 Sep 2025 10:34

Instrument :

MSVOA_V

ClientSampleId :

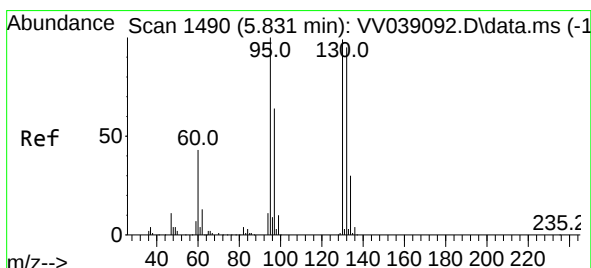
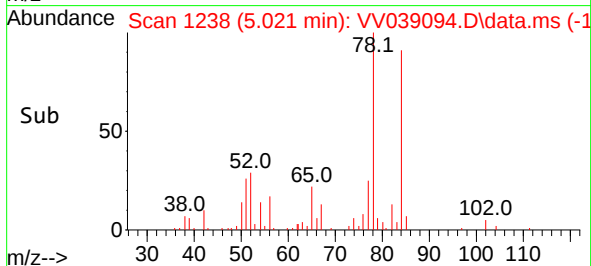
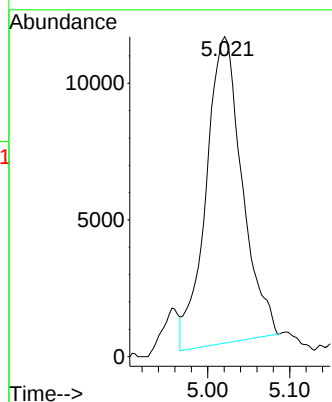
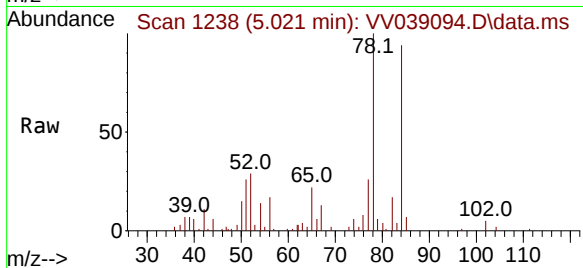
MDL-WATER-QT3-2025-06

Tgt Ion: 78 Resp: 3436

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/17/2025



#34

Trichloroethene

Concen: 0.317 ug/L

RT: 5.850 min Scan# 1496

Delta R.T. 0.019 min

Lab File: VV039094.D

Acq: 16 Sep 2025 10:34

Tgt Ion: 95 Resp: 10210

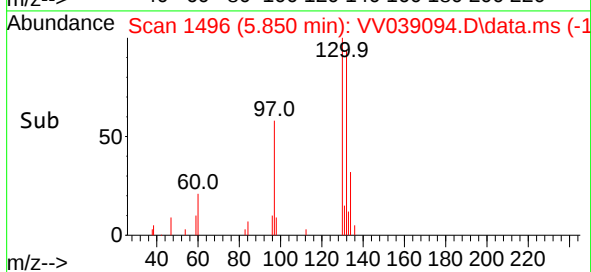
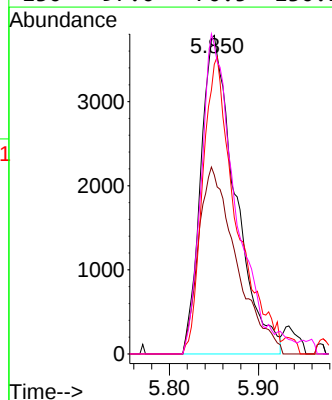
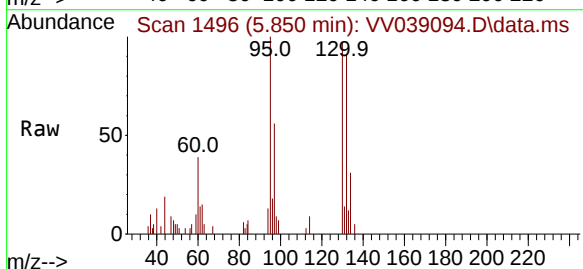
Ion Ratio Lower Upper

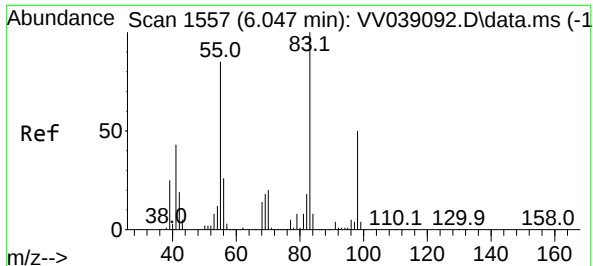
95 100

97 56.2 43.3 80.5

132 90.9 65.5 121.7

130 97.0 70.5 130.9





#35

Methylcyclohexane

Concen: 0.258 ug/L

RT: 6.046 min Scan# 1557

Delta R.T. -0.000 min

Lab File: VV039094.D

Acq: 16 Sep 2025 10:34

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2025-06

Tgt Ion: 83 Resp: 13034

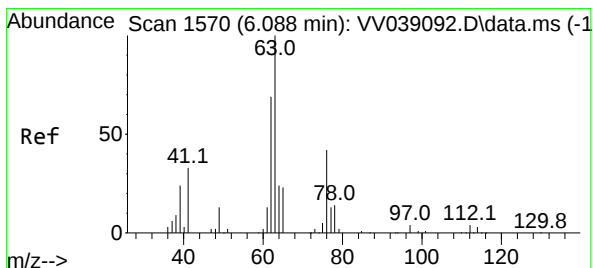
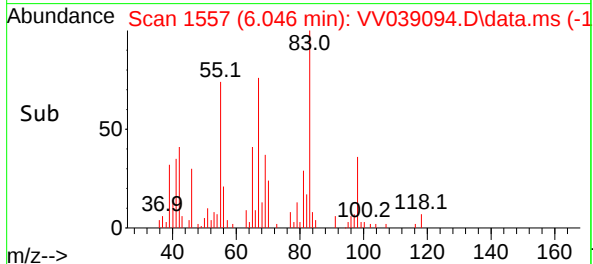
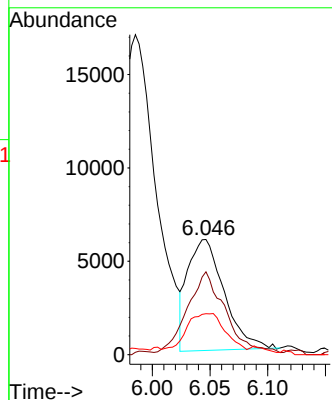
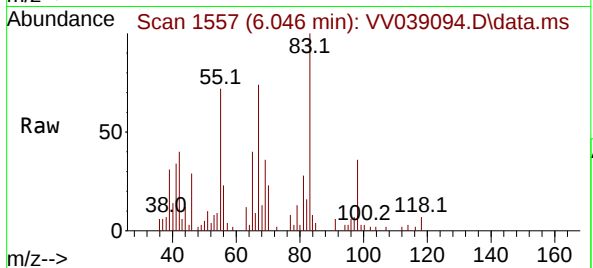
Ion	Ratio	Lower	Upper
83	100		
55	80.0	61.4	92.2
98	42.0	38.2	57.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/17/2025



#37

1,2-Dichloropropane

Concen: 0.305 ug/L m

RT: 6.104 min Scan# 1575

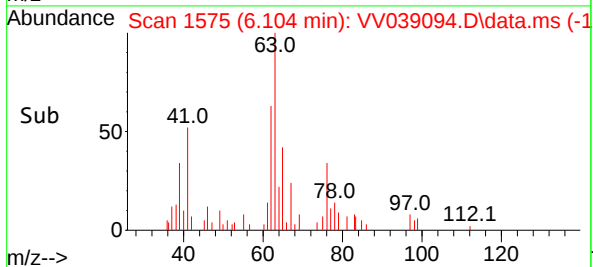
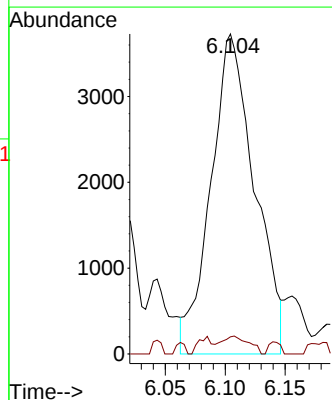
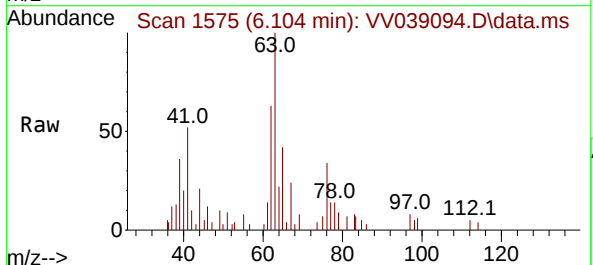
Delta R.T. 0.016 min

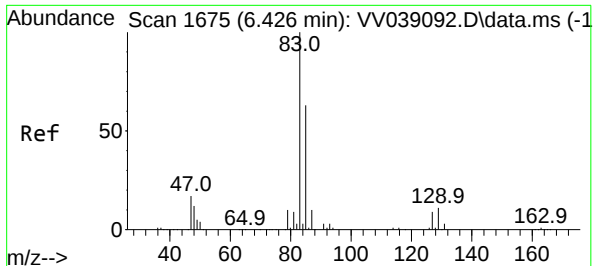
Lab File: VV039094.D

Acq: 16 Sep 2025 10:34

Tgt Ion: 63 Resp: 9451

Ion	Ratio	Lower	Upper
63	100		
112	3.4	3.6	5.4#





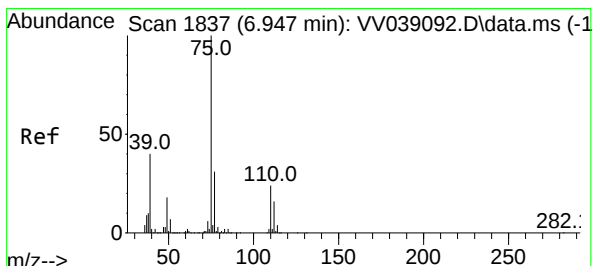
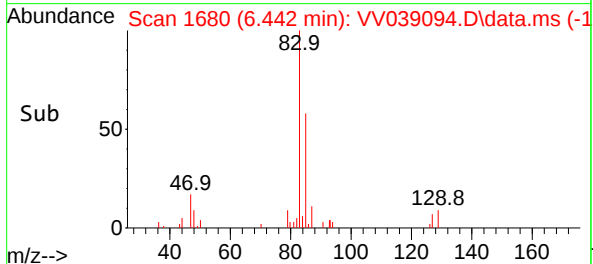
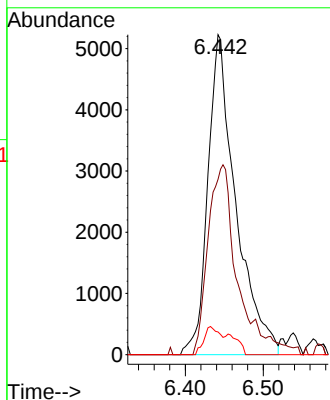
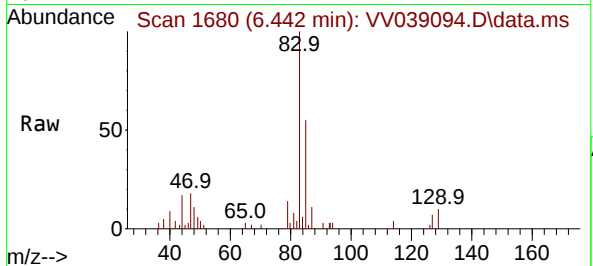
#38
Bromodichloromethane
Concen: 0.323 ug/L
RT: 6.442 min Scan# 1675
Delta R.T. 0.016 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT3-2025-06

Tgt Ion: 83 Resp: 1301
Ion Ratio Lower Upper
83 100
85 54.8 45.8 85.2
127 7.1 6.6 10.0

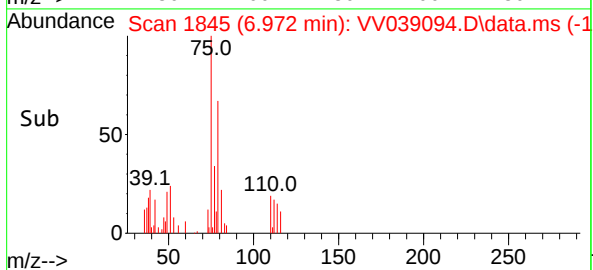
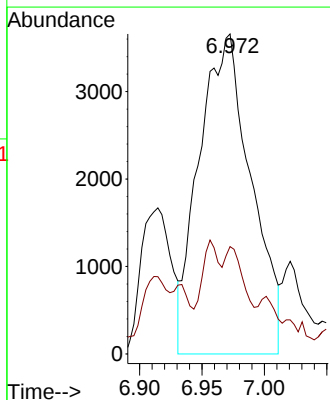
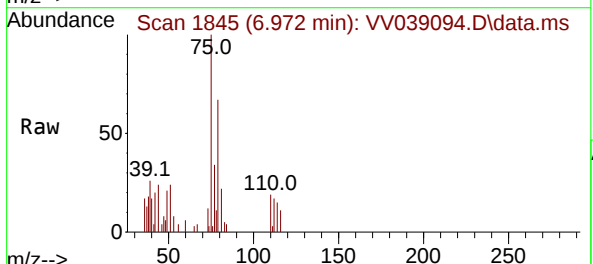
Manual Integrations
APPROVED

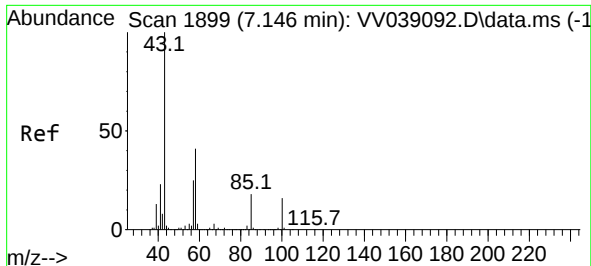
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025



#39
cis-1,3-Dichloropropene
Concen: 0.258 ug/L
RT: 6.972 min Scan# 1845
Delta R.T. 0.026 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

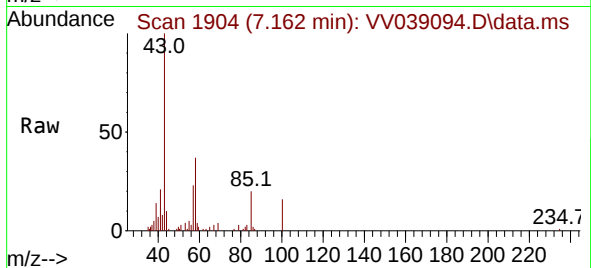
Tgt Ion: 75 Resp: 10607
Ion Ratio Lower Upper
75 100
77 33.5 22.4 41.6





#40
4-Methyl-2-pentanone
Concen: 2.535 ug/L m
RT: 7.162 min Scan# 1904
Delta R.T. 0.016 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

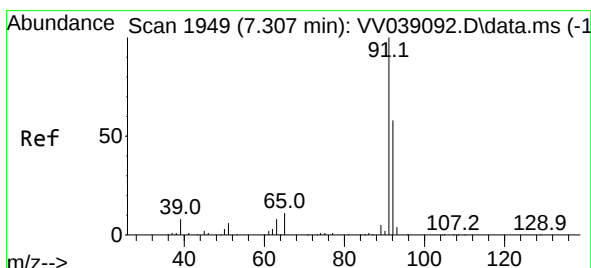
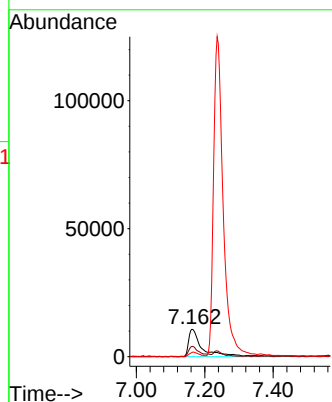
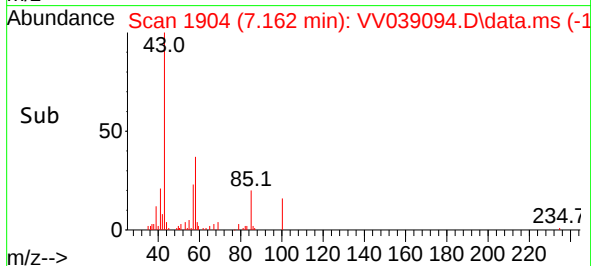
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT3-2025-06



Tgt Ion: 43 Resp: 3114
Ion Ratio Lower Upper
43 100
58 28.7 31.7 47.5
100 0.0 13.0 19.4

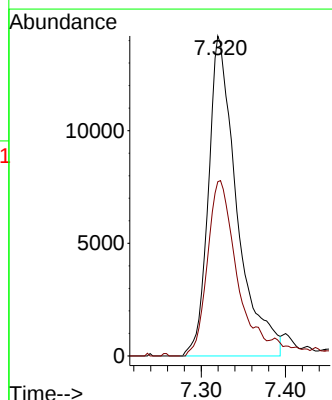
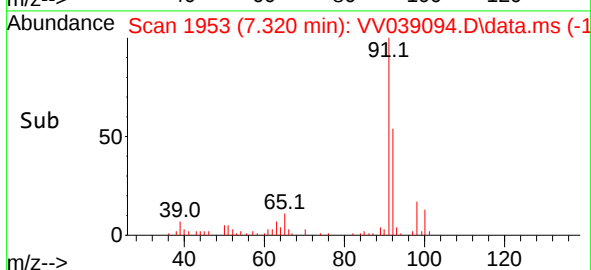
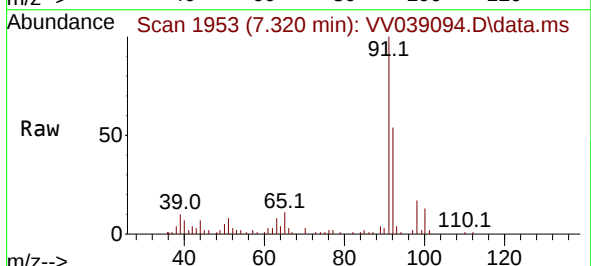
Manual Integrations
APPROVED

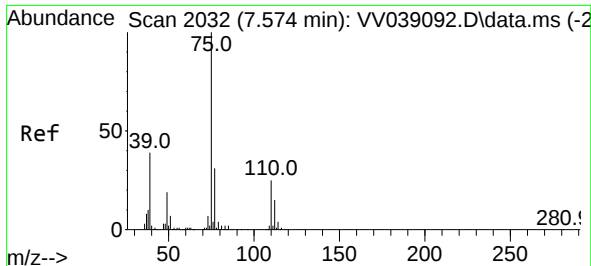
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025



#42
Toluene
Concen: 0.267 ug/L
RT: 7.320 min Scan# 1953
Delta R.T. 0.013 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

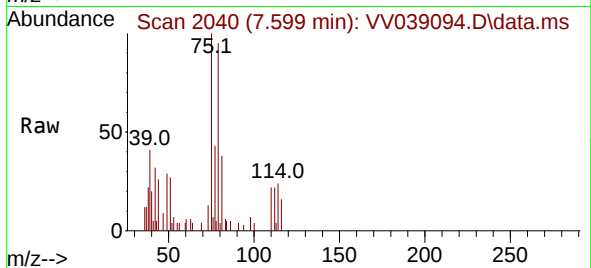
Tgt Ion: 91 Resp: 33289
Ion Ratio Lower Upper
91 100
92 54.4 40.5 75.1





#44
trans-1,3-Dichloropropene
Concen: 0.307 ug/L m
RT: 7.599 min Scan# 2032
Delta R.T. 0.026 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

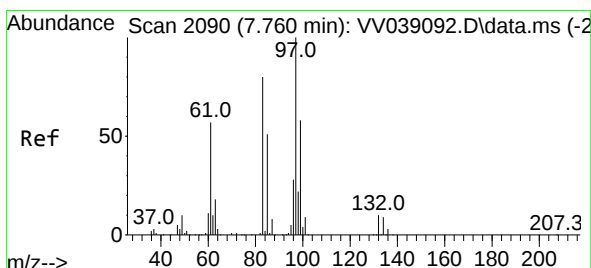
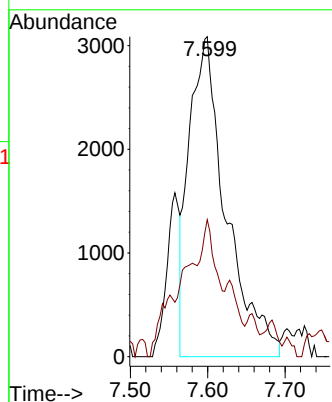
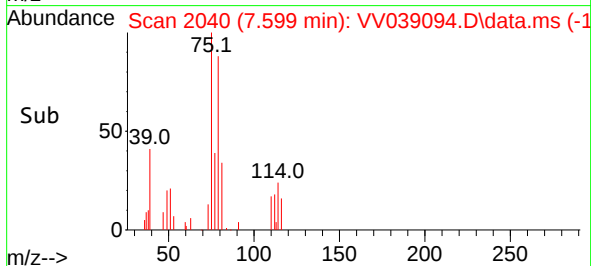
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06



Tgt Ion: 75 Resp: 1024
Ion Ratio Lower Upper
75 100
77 42.8 21.9 40.7

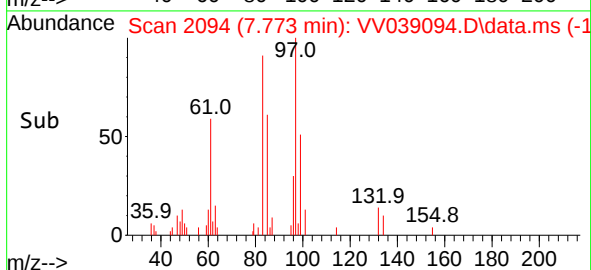
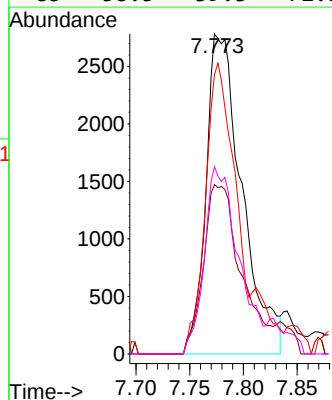
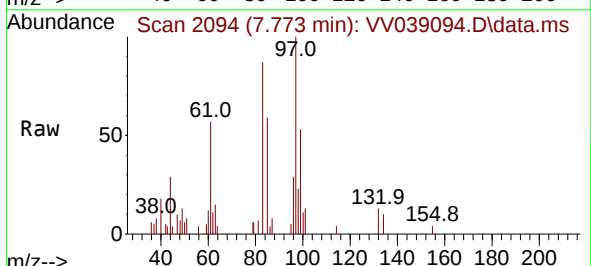
Manual Integrations
APPROVED

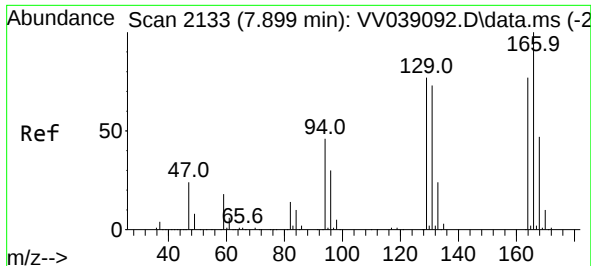
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025



#45
1,1,2-Trichloroethane
Concen: 0.304 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.013 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

Tgt Ion: 97 Resp: 6479
Ion Ratio Lower Upper
97 100
99 52.9 43.3 80.3
83 87.2 61.7 114.7
85 58.5 39.3 72.9





#47

Tetrachloroethene

Concen: 0.303 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.003 min

Lab File: VV039094.D

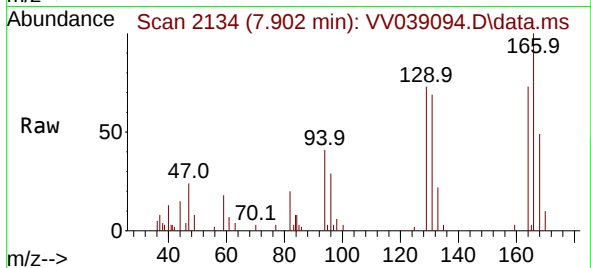
Acq: 16 Sep 2025 10:34

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2025-06



Tgt Ion:164 Resp: 7634

Ion Ratio Lower Upper

164 100

129 99.4 68.0 126.4

131 95.0 65.4 121.4

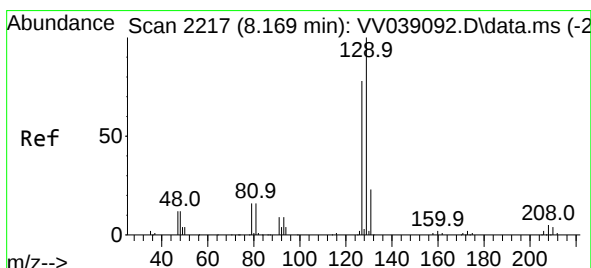
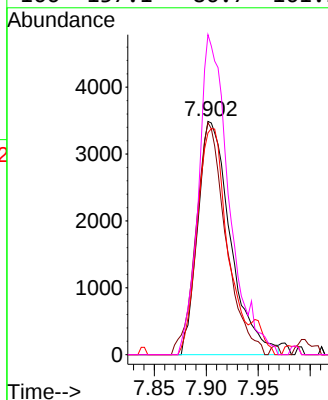
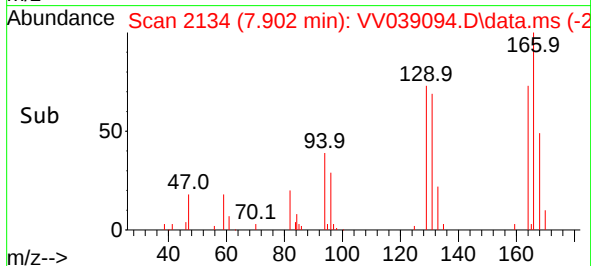
166 137.1 86.7 161.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/17/2025



#49

Dibromochloromethane

Concen: 0.315 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.003 min

Lab File: VV039094.D

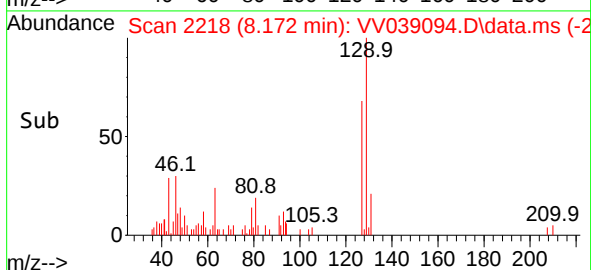
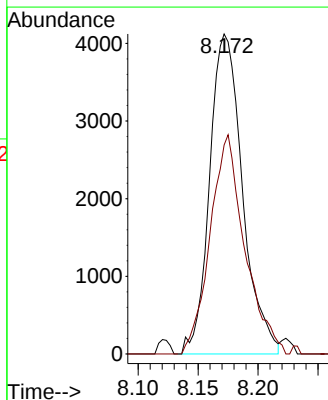
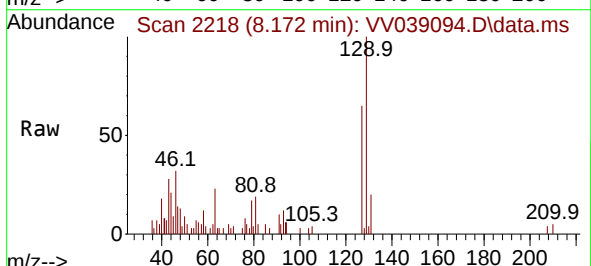
Acq: 16 Sep 2025 10:34

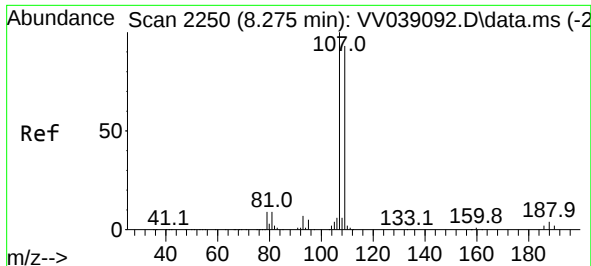
Tgt Ion:129 Resp: 7858

Ion Ratio Lower Upper

129 100

127 65.3 56.7 105.3





#50

1,2-Dibromoethane

Concen: 0.281 ug/L

RT: 8.284 min Scan# 2157

Delta R.T. 0.010 min

Lab File: VV039094.D

Acq: 16 Sep 2025 10:34

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2025-06

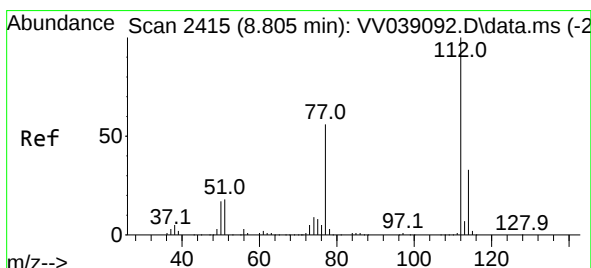
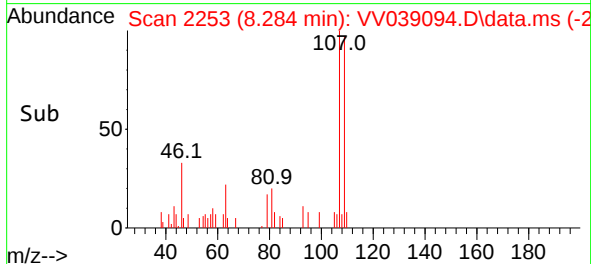
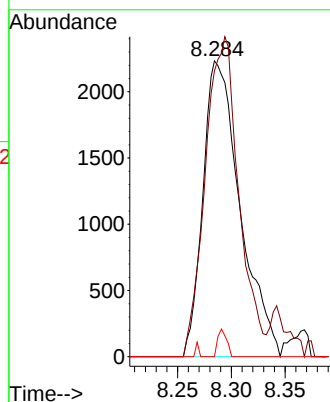
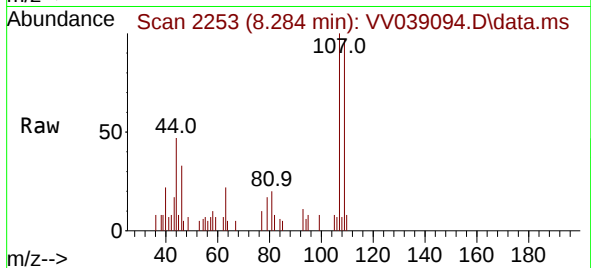
Tgt Ion:	107	Resp:	537
Ion Ratio	Lower	Upper	
107	100		
109	96.6	67.1	124.7
188	0.0	2.5	3.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/17/2025



#51

Chlorobenzene

Concen: 0.298 ug/L

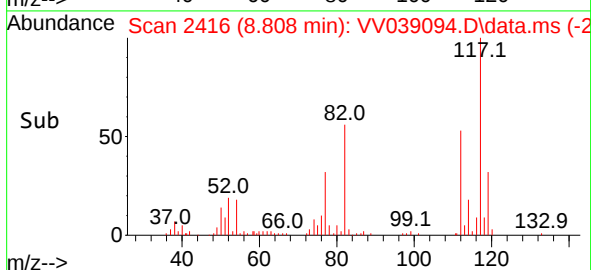
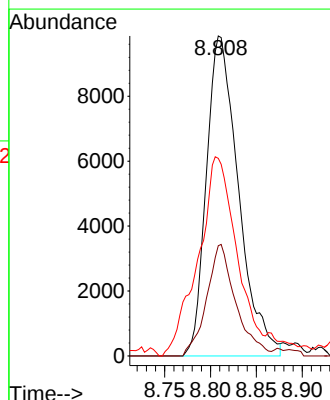
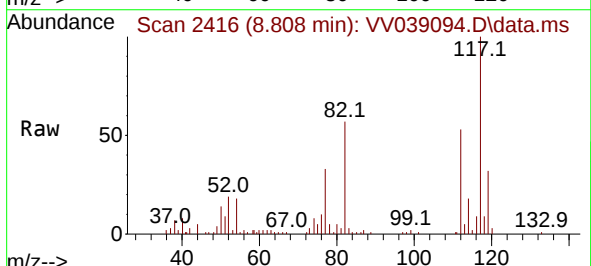
RT: 8.808 min Scan# 2416

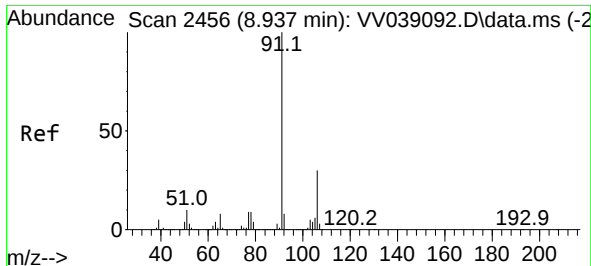
Delta R.T. 0.003 min

Lab File: VV039094.D

Acq: 16 Sep 2025 10:34

Tgt Ion:	112	Resp:	23990
Ion Ratio	Lower	Upper	
112	100		
114	34.5	23.0	42.6
77	61.7	46.6	69.8





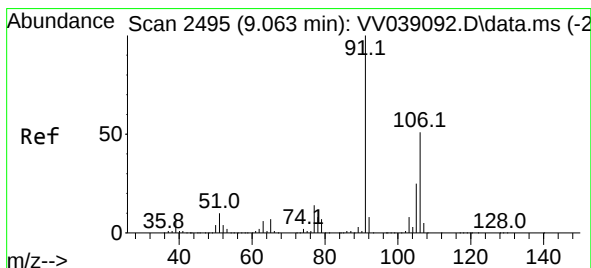
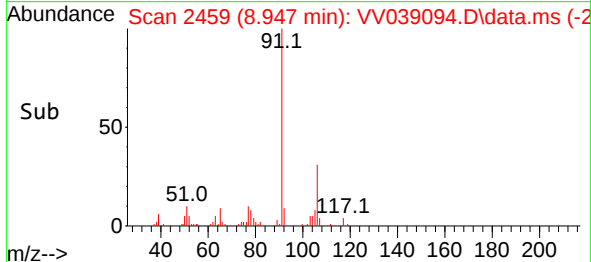
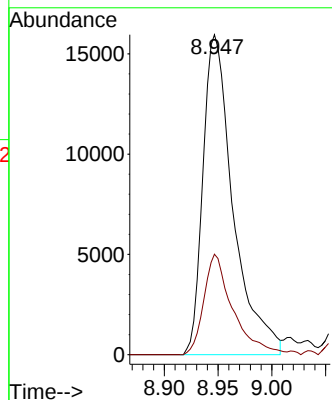
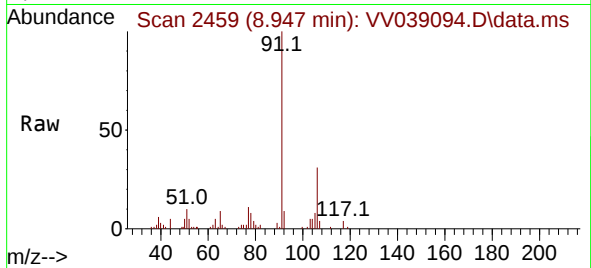
#52
Ethylbenzene
Concen: 0.243 ug/L
RT: 8.947 min Scan# 2456
Delta R.T. 0.010 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06

Tgt Ion: 91 Resp: 3122
Ion Ratio Lower Upper
91 100
106 31.4 20.8 38.6

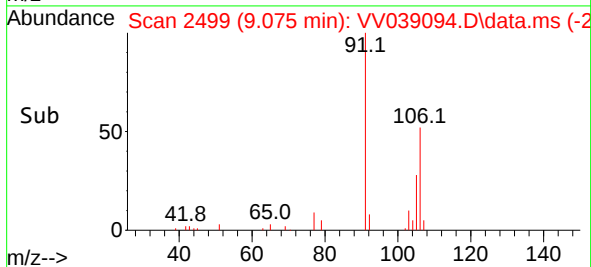
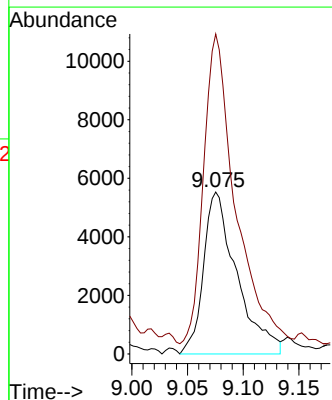
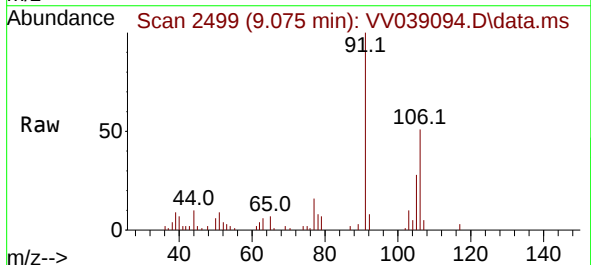
Manual Integrations
APPROVED

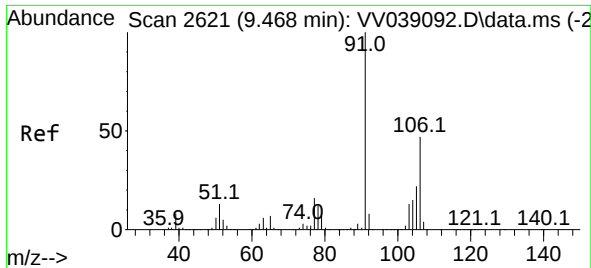
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025



#53
m,p-Xylene
Concen: 0.231 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.013 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

Tgt Ion:106 Resp: 11525
Ion Ratio Lower Upper
106 100
91 197.6 140.1 260.3





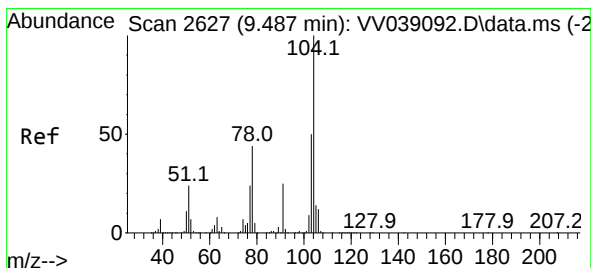
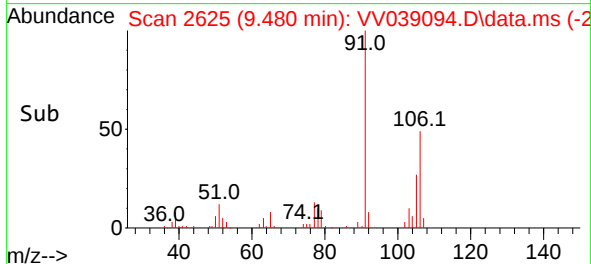
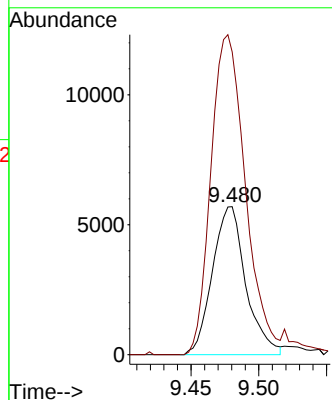
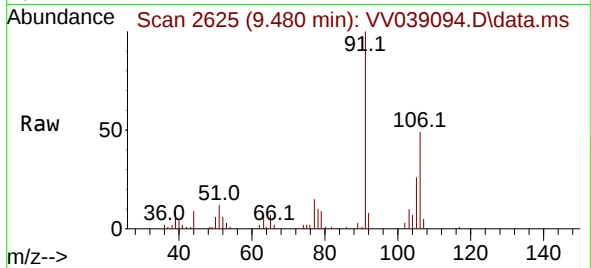
#54
o-Xylene
Concen: 0.213 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.013 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06

Tgt Ion:106 Resp: 9759
Ion Ratio Lower Upper
106 100
91 204.5 150.7 279.9

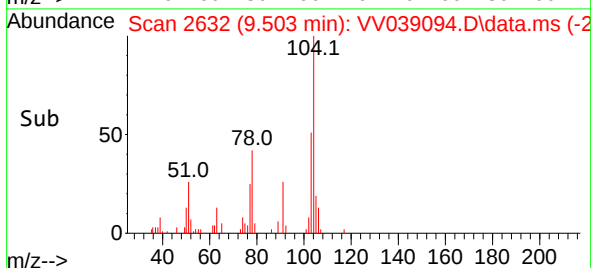
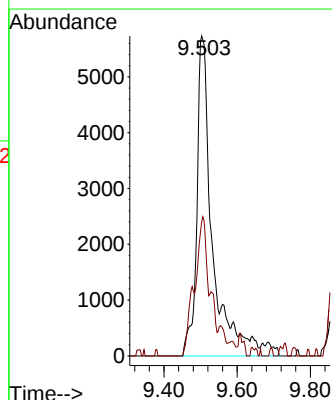
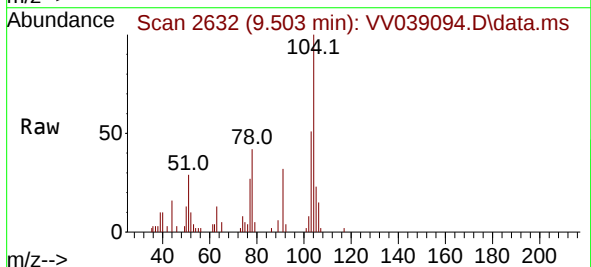
Manual Integrations
APPROVED

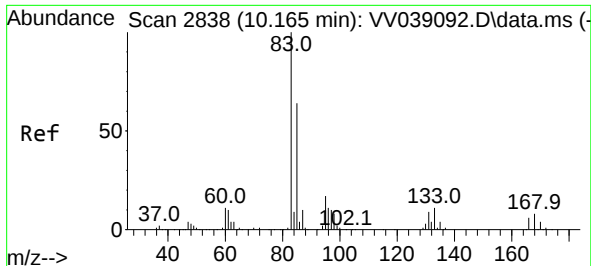
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025



#55
Styrene
Concen: 0.213 ug/L m
RT: 9.503 min Scan# 2632
Delta R.T. 0.016 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

Tgt Ion:104 Resp: 17224
Ion Ratio Lower Upper
104 100
78 41.9 29.9 55.5





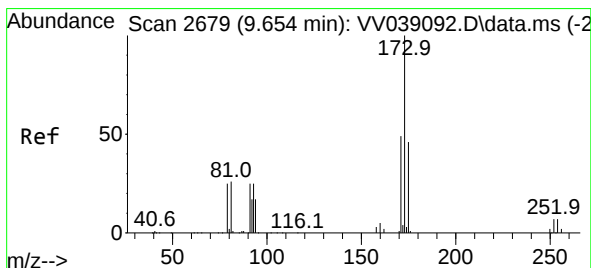
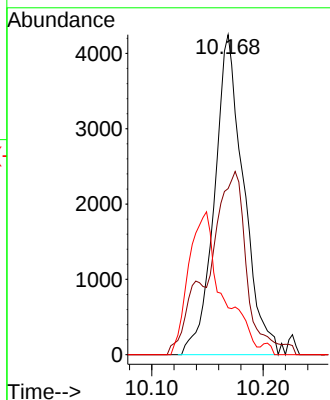
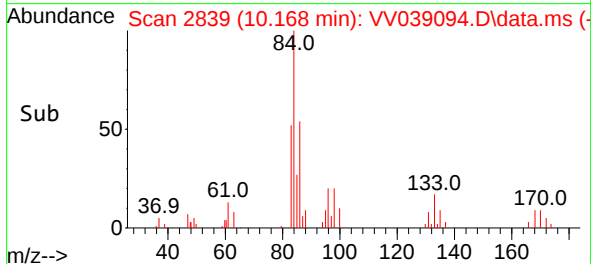
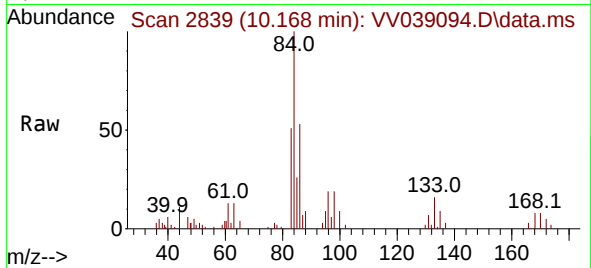
#57
1,1,2,2-Tetrachloroethane
Concen: 0.325 ug/L
RT: 10.168 min Scan# 2838
Delta R.T. 0.003 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06

Tgt Ion: 83 Resp: 770
Ion Ratio Lower Upper
83 100
85 51.9 45.4 84.4
131 14.7 7.2 10.8

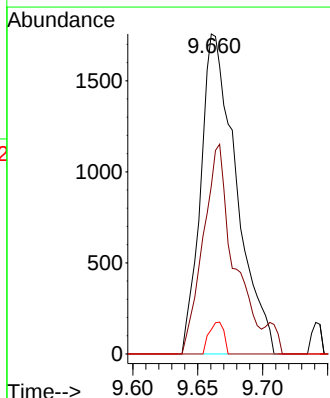
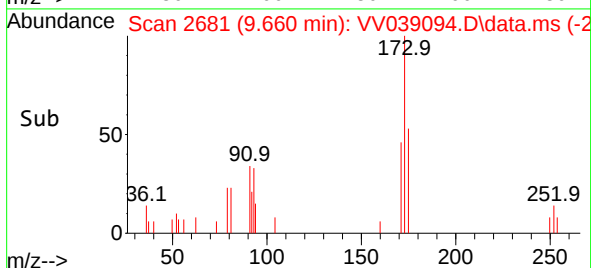
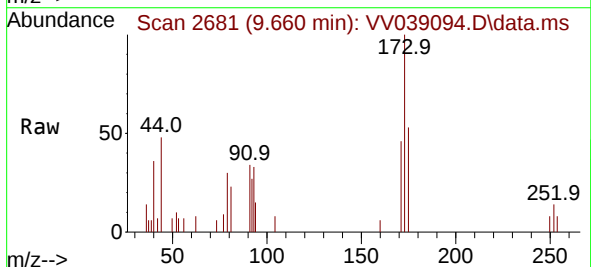
Manual Integrations
APPROVED

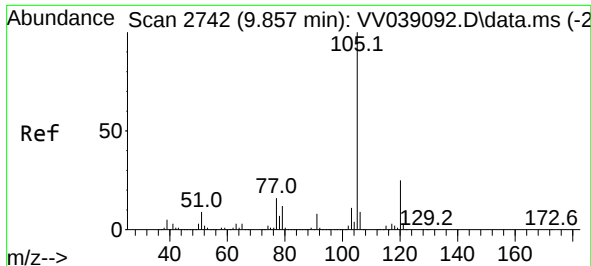
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025



#59
Bromoform
Concen: 0.328 ug/L
RT: 9.660 min Scan# 2681
Delta R.T. 0.006 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

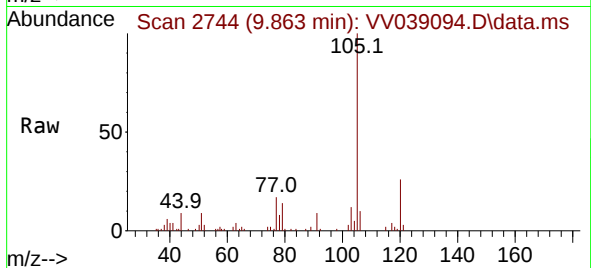
Tgt Ion:173 Resp: 3351
Ion Ratio Lower Upper
173 100
175 56.4 38.8 58.2
254 4.1 6.8 10.2





#60
Isopropylbenzene
Concen: 0.270 ug/L
RT: 9.863 min Scan# 2742
Delta R.T. 0.006 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

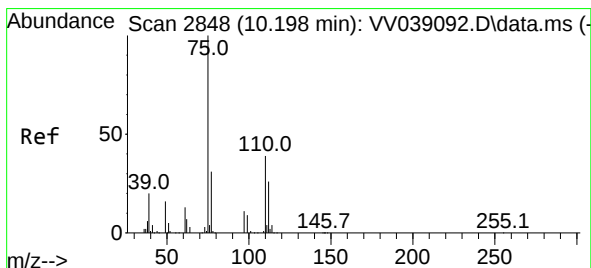
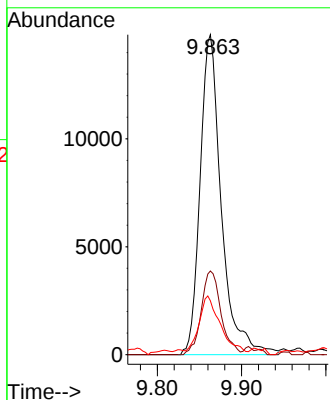
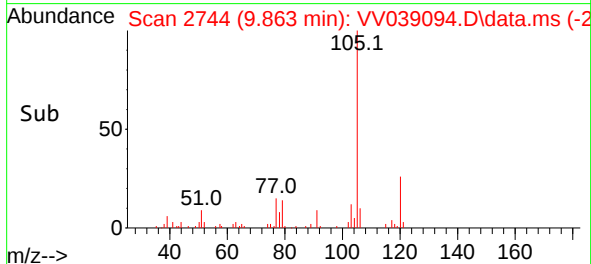
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06



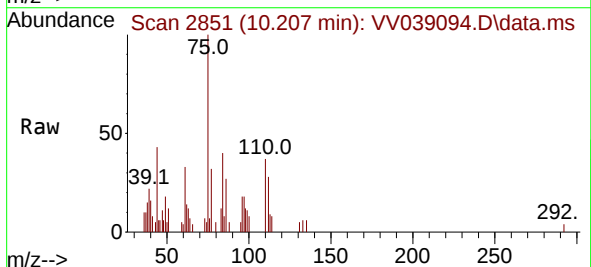
Tgt Ion: 105 Resp: 2601
Ion Ratio Lower Upper
105 100
120 24.3 20.8 31.2
77 17.5 12.5 18.7

Manual Integrations
APPROVED

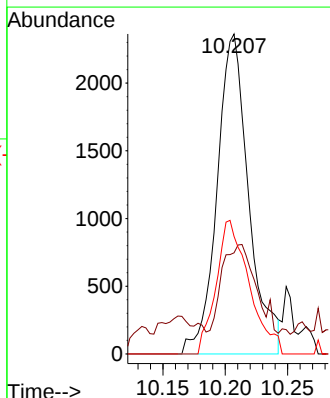
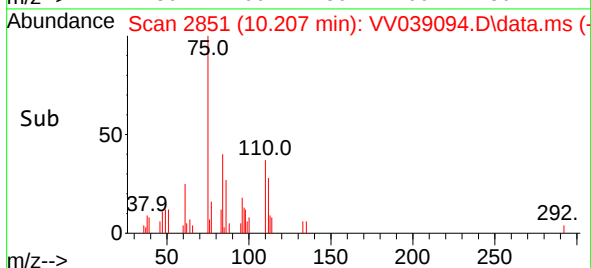
Reviewed By : John Carlone 09/17/2025
Supervised By : Mahesh Dadoda 09/17/2025

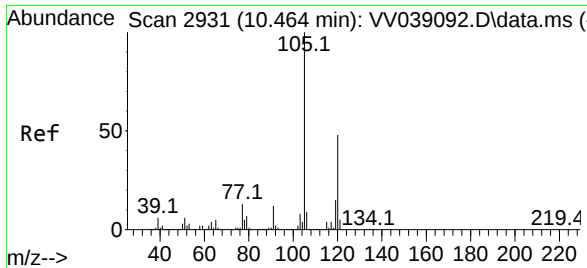


#61
1,2,3-Trichloropropane
Concen: 0.345 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.010 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34



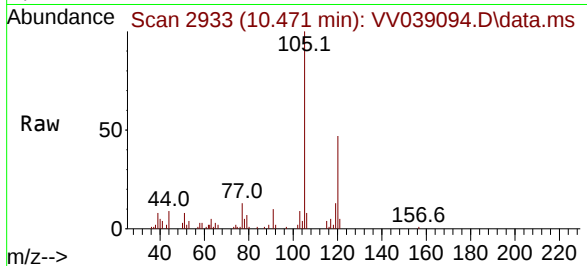
Tgt Ion: 75 Resp: 4182
Ion Ratio Lower Upper
75 100
77 32.0 25.1 37.7
110 43.4 31.0 46.4





#62
1,3,5-Trimethylbenzene
Concen: 0.297 ug/L
RT: 10.471 min Scan# 2931
Delta R.T. 0.006 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

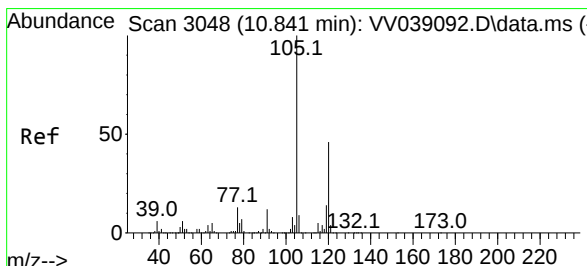
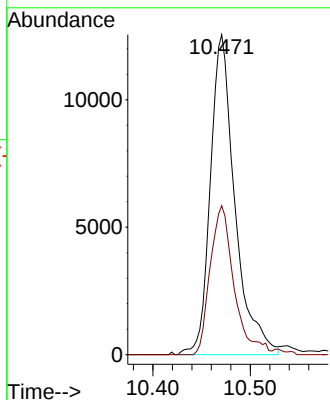
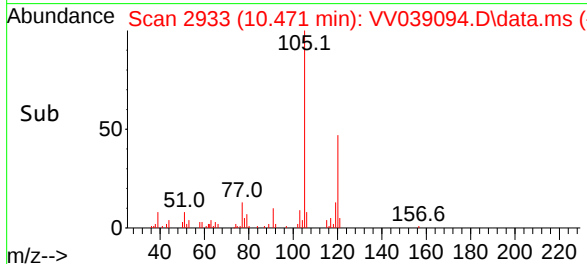
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06



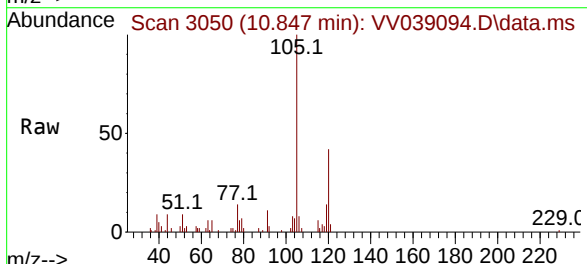
Tgt Ion:105 Resp: 2197
Ion Ratio Lower Upper
105 100
120 45.1 39.1 58.7

Manual Integrations
APPROVED

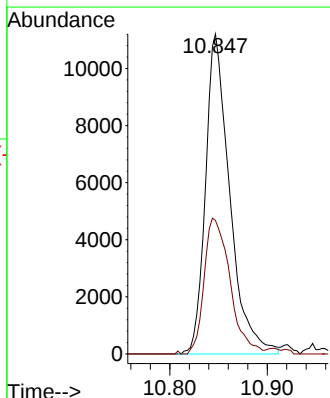
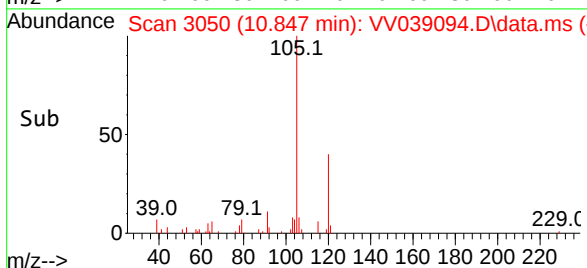
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025

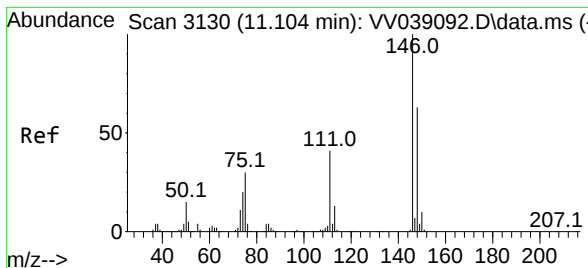


#63
1,2,4-Trimethylbenzene
Concen: 0.266 ug/L
RT: 10.847 min Scan# 3050
Delta R.T. 0.006 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34



Tgt Ion:105 Resp: 19372
Ion Ratio Lower Upper
105 100
120 45.2 36.6 54.8





#64

1,3-Dichlorobenzene

Concen: 0.300 ug/L

RT: 11.117 min Scan# 3117

Delta R.T. 0.013 min

Lab File: VV039094.D

Acq: 16 Sep 2025 10:34

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2025-06

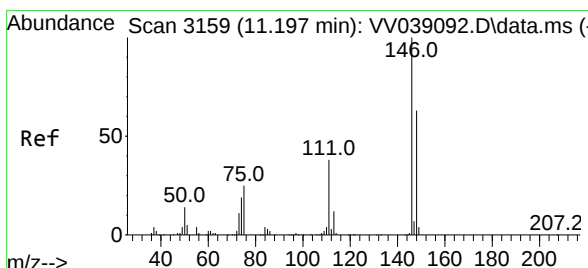
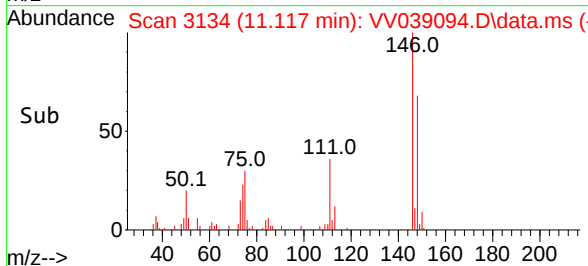
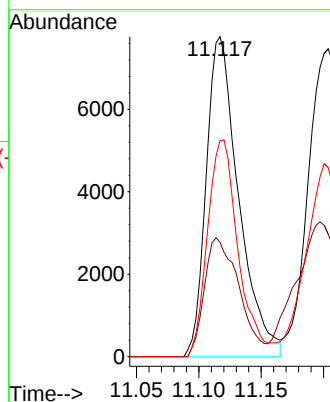
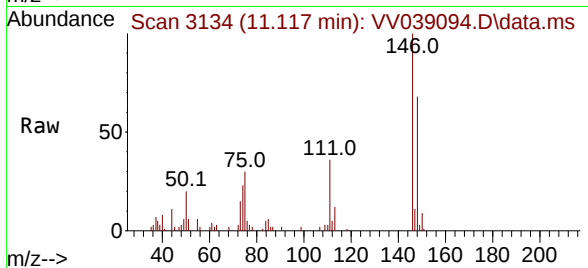
Tgt Ion:146	Resp:	14090
Ion Ratio	Lower	Upper
146	100	
111	35.8	28.3 52.7
148	67.5	42.9 79.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/17/2025



#65

1,4-Dichlorobenzene

Concen: 0.312 ug/L

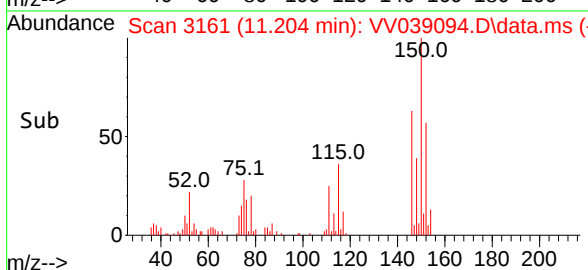
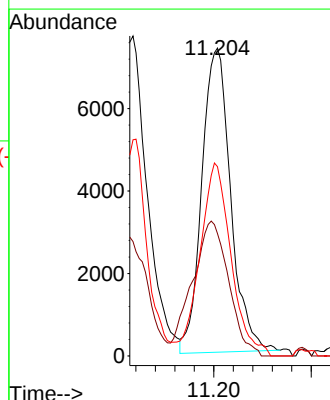
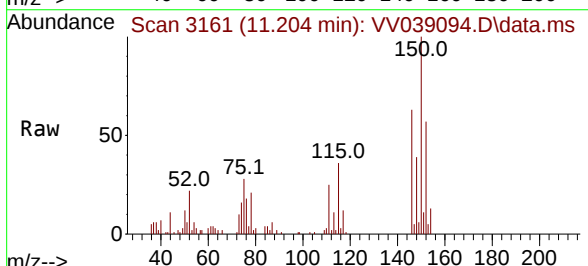
RT: 11.204 min Scan# 3161

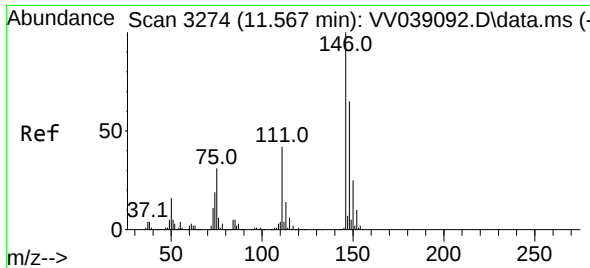
Delta R.T. 0.006 min

Lab File: VV039094.D

Acq: 16 Sep 2025 10:34

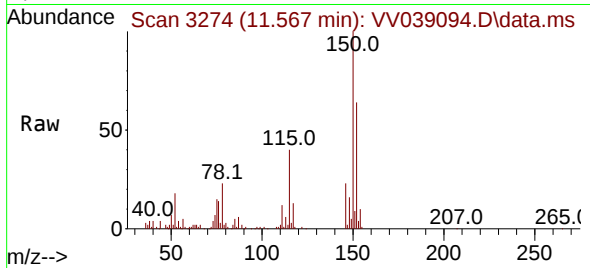
Tgt Ion:146	Resp:	15191
Ion Ratio	Lower	Upper
146	100	
111	39.8	27.2 50.6
148	61.5	43.8 81.4





#67
1,2-Dichlorobenzene
Concen: 0.325 ug/L
RT: 11.567 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34

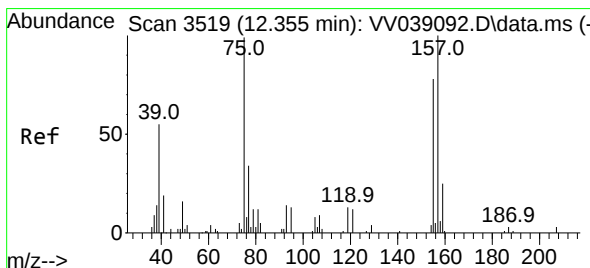
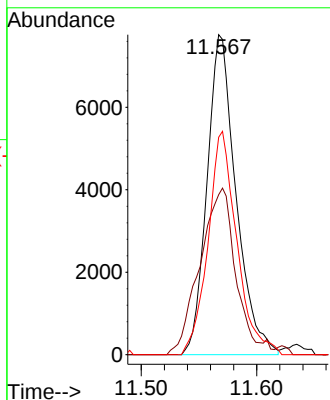
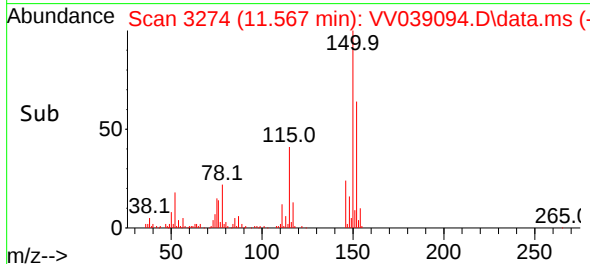
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06



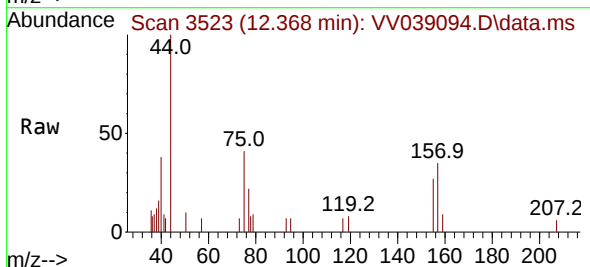
Tgt Ion:146 Resp: 1353
Ion Ratio Lower Upper
146 100
111 50.0 33.4 50.2
148 68.0 51.1 76.7

Manual Integrations
APPROVED

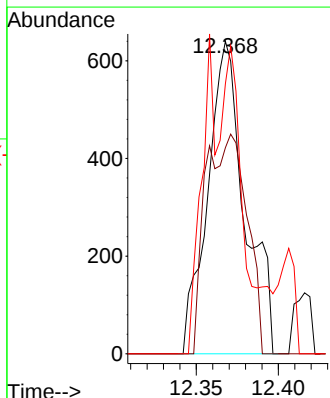
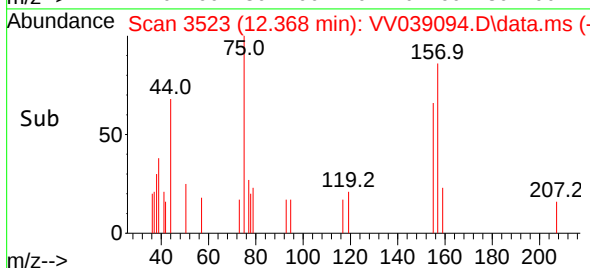
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/17/2025

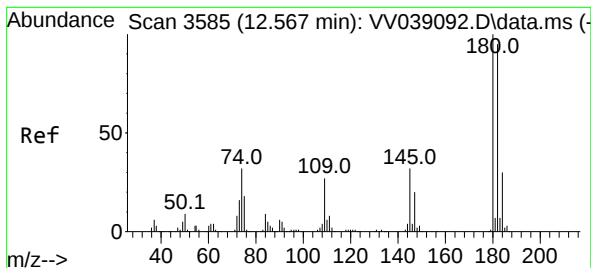


#68
1,2-Dibromo-3-chloropropane
Concen: 0.382 ug/L
RT: 12.368 min Scan# 3523
Delta R.T. 0.013 min
Lab File: VV039094.D
Acq: 16 Sep 2025 10:34



Tgt Ion: 75 Resp: 1009
Ion Ratio Lower Upper
75 100
155 65.9 59.4 89.0
157 86.4 76.2 114.2





#69

1,3,5-Trichlorobenzene

Concen: 0.278 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.013 min

Lab File: VV039094.D

Acq: 16 Sep 2025 10:34

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2025-06

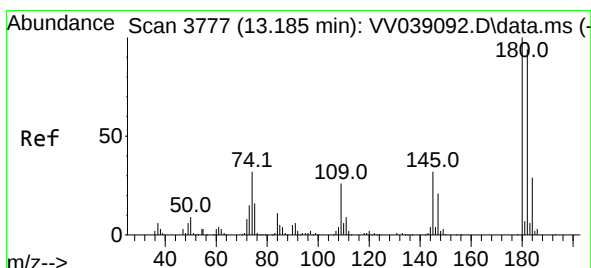
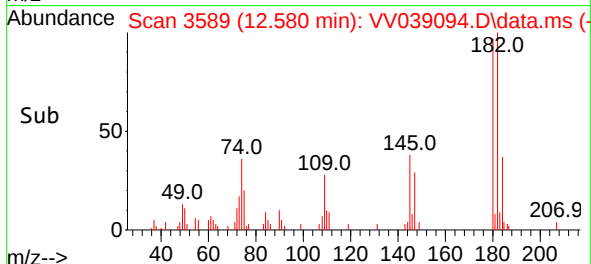
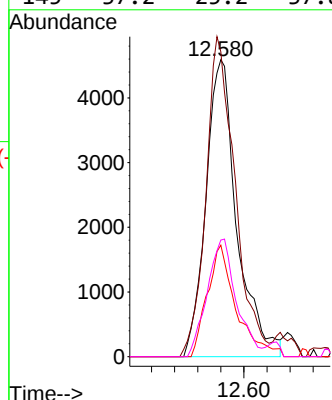
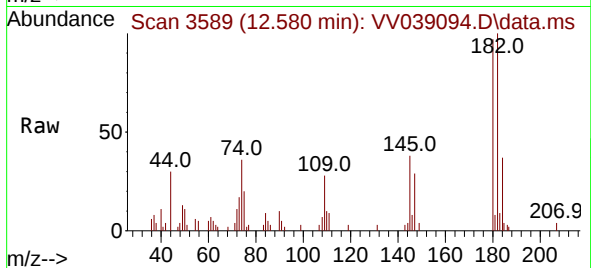
Tgt Ion:	180	Resp:	857
Ion Ratio	Lower	Upper	
180	100		
182	101.0	76.3	114.5
184	35.0	24.0	36.0
145	37.2	25.2	37.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/17/2025



#70

1,2,4-trichlorobenzene

Concen: 0.293 ug/L

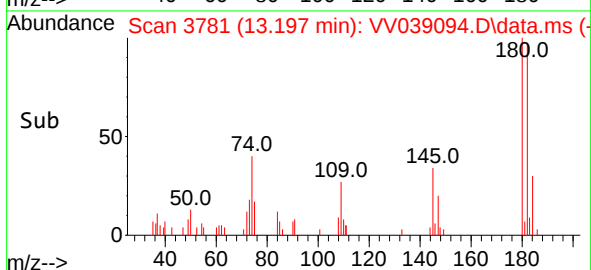
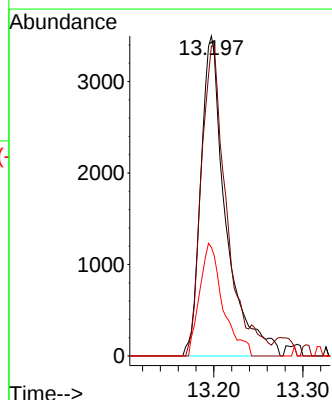
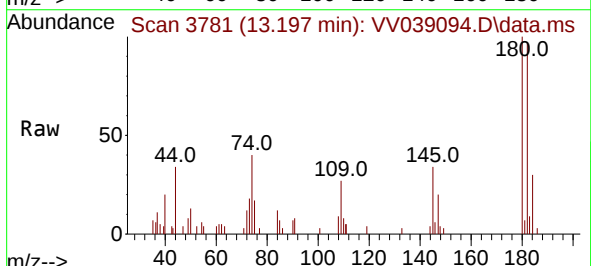
RT: 13.197 min Scan# 3781

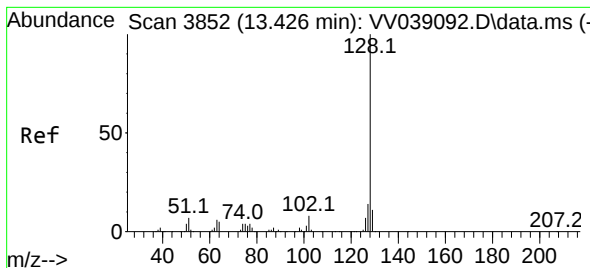
Delta R.T. 0.013 min

Lab File: VV039094.D

Acq: 16 Sep 2025 10:34

Tgt Ion:	180	Resp:	6807
Ion Ratio	Lower	Upper	
180	100		
182	93.9	73.2	109.8
145	32.8	25.0	37.4





#71

Naphthalene

Concen: 0.246 ug/L

RT: 13.442 min Scan# 3852

Delta R.T. 0.016 min

Lab File: VV039094.D

Acq: 16 Sep 2025 10:34

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2025-06

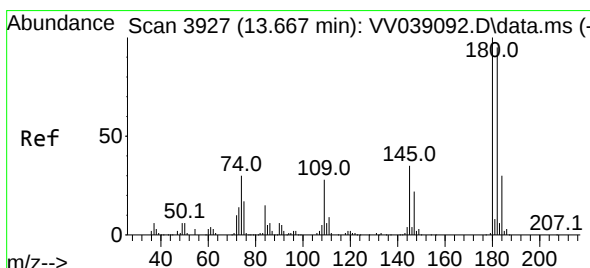
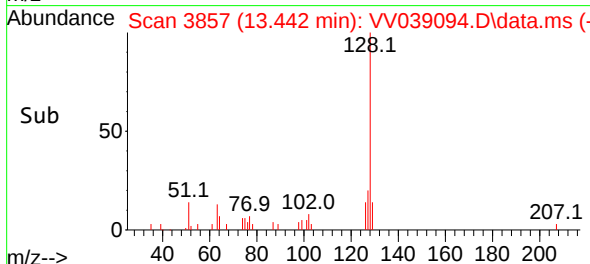
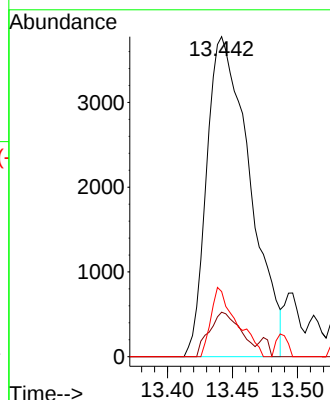
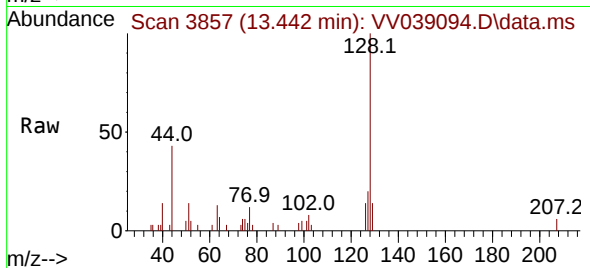
Tgt Ion:	128	Resp:	8708
Ion Ratio	Lower	Upper	
128	100		
129	10.1	8.6	12.8
127	12.8	10.8	16.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/17/2025



#72

1,2,3-Trichlorobenzene

Concen: 0.267 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. 0.010 min

Lab File: VV039094.D

Acq: 16 Sep 2025 10:34

Tgt Ion:	180	Resp:	5518
Ion Ratio	Lower	Upper	
180	100		
182	91.0	76.6	115.0
145	42.0	27.4	41.2#

