

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
 Data File : VU063728.D
 Acq On : 17 Nov 2025 15:32
 Operator : MD/SY
 Sample : Q3589-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2025-07

Quant Time: Nov 18 02:20:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 18 01:55:44 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	326517	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	313191	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	157158	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	128508	45.577	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	91.160%	
7) Chloroethane-d5	1.891	69	98778	45.472	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	90.940%	
11) 1,1-Dichloroethene-d2	2.541	63	176056	36.022	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	72.040%	
21) 2-Butanone-d5	4.595	46	154102	95.868	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	95.870%	
24) Chloroform-d	5.029	84	212563	44.932	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	89.860%	
26) 1,2-Dichloroethane-d4	5.669	65	147500	47.415	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	94.840%	
32) Benzene-d6	5.695	84	433129	47.181	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	94.360%	
36) 1,2-Dichloropropane-d6	6.660	67	124698	46.270	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	92.540%	
41) Toluene-d8	7.872	98	399830	45.871	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	91.740%	
43) trans-1,3-Dichloroprop...	8.155	79	48443	43.497	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	87.000%	
47) 2-Hexanone-d5	8.611	63	90840	92.707	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	92.710%	
56) 1,1,2,2-Tetrachloroeth...	10.730	84	181438	46.036	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	92.080%	
66) 1,2-Dichlorobenzene-d4	12.167	152	144326	48.648	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	97.300%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	3957	2.082	ug/L	98
3) Chloromethane	1.509	50	5071	2.359	ug/L	95
5) Vinyl chloride	1.589	62	6437	2.575	ug/L #	59
6) Bromomethane	1.840	94	3945	2.490	ug/L	94
8) Chloroethane	1.914	64	4249m	2.546	ug/L	
9) Trichlorofluoromethane	2.116	101	9196	2.332	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.550	101	6648	2.853	ug/L #	83
12) 1,1-Dichloroethene	2.554	96	6483	3.042	ug/L #	1
13) Acetone	2.605	43	9725	4.470	ug/L	97
14) Carbon disulfide	2.766	76	14997	2.701	ug/L	99
15) Methyl Acetate	2.936	43	6776m	2.594	ug/L	
17) trans-1,2-Dichloroethene	3.325	96	5925m	2.607	ug/L	
18) Methyl tert-butyl Ether	3.332	73	16672	2.168	ug/L #	86
19) 1,1-Dichloroethane	3.833	63	9900	2.261	ug/L	97
20) cis-1,2-Dichloroethene	4.634	96	5964	2.280	ug/L	99
22) 2-Butanone	4.708	43	15380m	6.364	ug/L	
23) Bromochloromethane	4.949	128	3195	2.376	ug/L	95
25) Chloroform	5.055	83	12202	2.574	ug/L	99
27) 1,2-Dichloroethane	5.769	62	9465m	2.446	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.351	56	9333	2.368	ug/L	97
30) 1,1,1-Trichloroethane	5.283	97	8918	2.230	ug/L	97
31) Carbon tetrachloride	5.492	117	6451	2.051	ug/L	97
33) Benzene	5.743	78	23099m	2.418	ug/L	
34) Trichloroethene	6.518	95	7534	2.736	ug/L	95
35) Methylcyclohexane	6.734	83	10404	2.574	ug/L	88
37) 1,2-Dichloropropane	6.763	63	5055	2.036	ug/L #	97
38) Bromodichloromethane	7.084	83	6941	2.042	ug/L #	96
39) cis-1,3-Dichloropropene	7.586	75	8251	2.241	ug/L	99
40) 4-Methyl-2-pentanone	7.772	43	16289	4.533	ug/L	96
42) Toluene	7.946	91	24999	2.371	ug/L	97
44) trans-1,3-Dichloropropene	8.187	75	6507	2.025	ug/L	90
45) 1,1,2-Trichloroethane	8.373	97	6199	2.361	ug/L	91
46) Tetrachloroethene	8.524	164	4916	2.334	ug/L	98
48) 2-Hexanone	8.669	43	24995	8.862	ug/L #	96
49) Dibromochloromethane	8.782	129	4948	1.952	ug/L	98
50) 1,2-Dibromoethane	8.904	107	6102	2.214	ug/L #	91
51) Chlorobenzene	9.422	112	17943	2.521	ug/L	98
52) Ethylbenzene	9.547	91	28908	2.361	ug/L	91
53) m,p-Xylene	9.672	106	10808	2.316	ug/L	98
54) o-Xylene	10.074	106	10396	2.287	ug/L	89
55) Styrene	10.097	104	17334	2.354	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.756	83	11018	2.577	ug/L #	95
59) Bromoform	10.267	173	3387	1.898	ug/L #	94
60) 1,2,3-Trichloropropane	10.794	75	8528	2.486	ug/L	97
61) Isopropylbenzene	10.460	105	26720	2.254	ug/L	99
62) 1,3,5-Trimethylbenzene	11.065	105	21709	2.226	ug/L	97
63) 1,2,4-Trimethylbenzene	11.447	105	21018	2.258	ug/L	99
64) 1,3-Dichlorobenzene	11.724	146	14226	2.676	ug/L	97
65) 1,4-Dichlorobenzene	11.814	146	16568	3.043	ug/L	96
67) 1,2-Dichlorobenzene	12.187	146	13498	2.619	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.971	75	1771	2.091	ug/L	96
69) 1,3,5-Trichlorobenzene	13.200	180	9534	2.654	ug/L	97
70) 1,2,4-trichlorobenzene	13.817	180	9491	3.168	ug/L	93
71) Naphthalene	14.068	128	32697	4.102	ug/L	96
72) 1,2,3-Trichlorobenzene	14.309	180	9494	3.344	ug/L	98

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

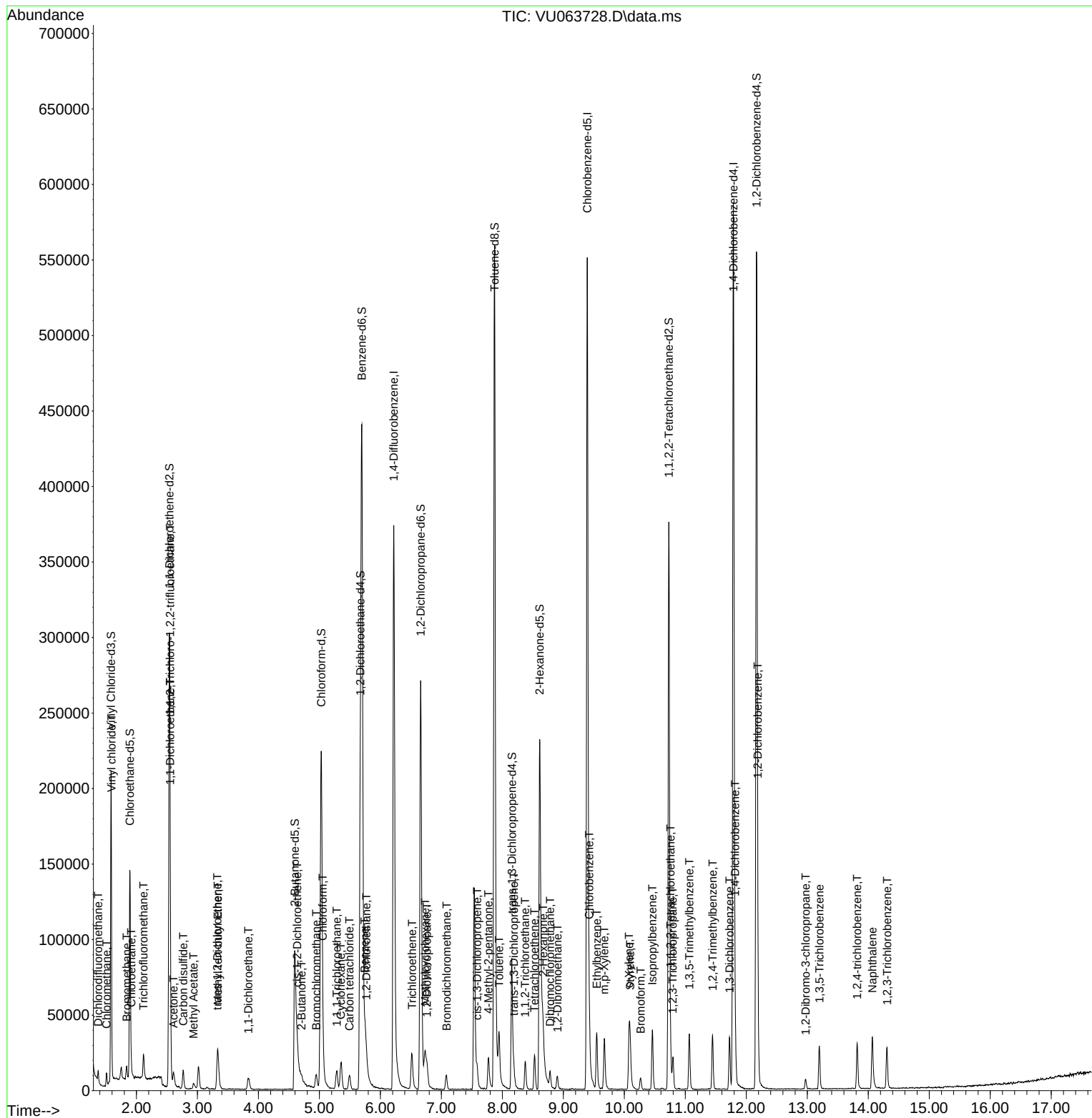
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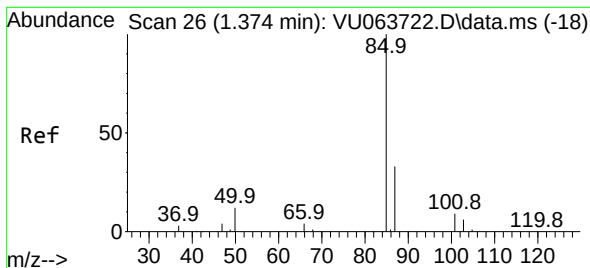
Instrument :
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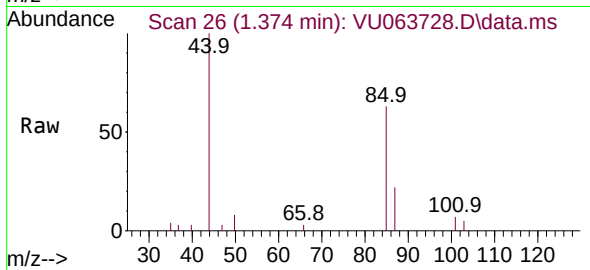
Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025





#2
Dichlorodifluoromethane
Concen: 2.082 ug/L
RT: 1.374 min Scan# 26
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

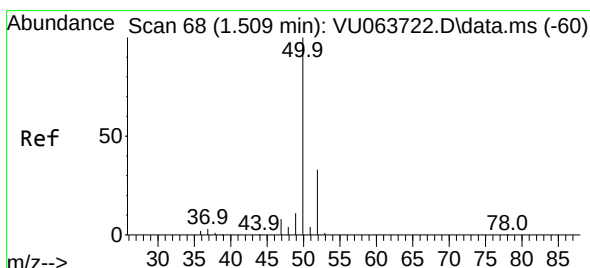
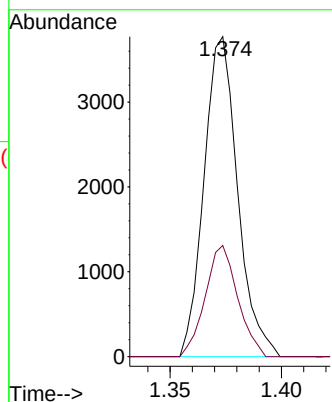
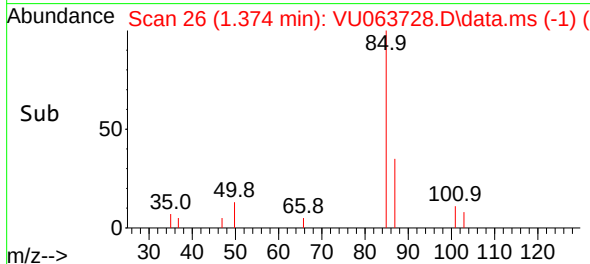
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07



Tgt Ion: 85 Resp: 3952
Ion Ratio Lower Upper
85 100
87 33.6 26.2 39.2

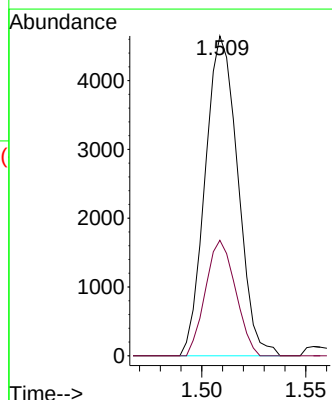
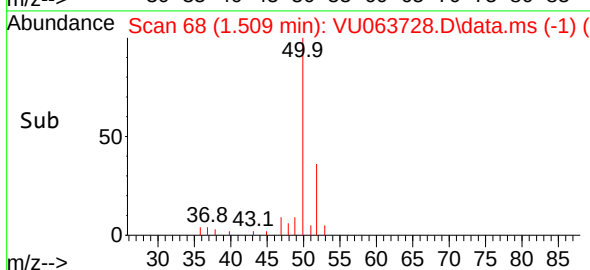
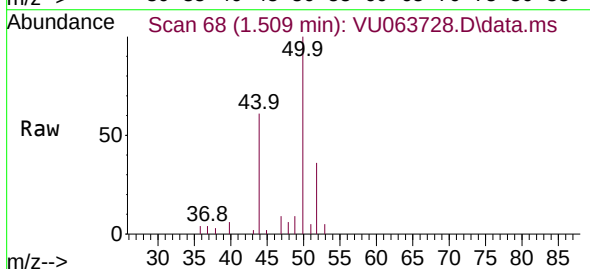
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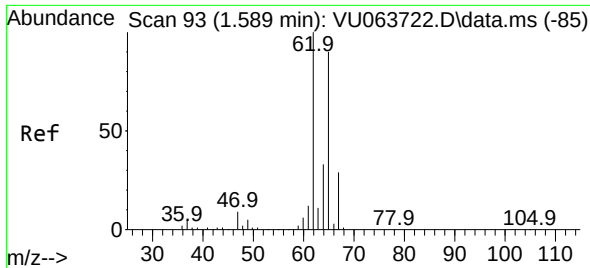
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#3
Chloromethane
Concen: 2.359 ug/L
RT: 1.509 min Scan# 68
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

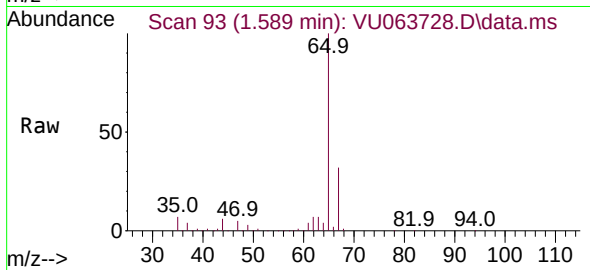
Tgt Ion: 50 Resp: 5071
Ion Ratio Lower Upper
50 100
52 36.1 23.2 43.2





#5
 Vinyl chloride
 Concen: 2.575 ug/L
 RT: 1.589 min Scan# 93
 Delta R.T. 0.000 min
 Lab File: VU063728.D
 Acq: 17 Nov 2025 15:32

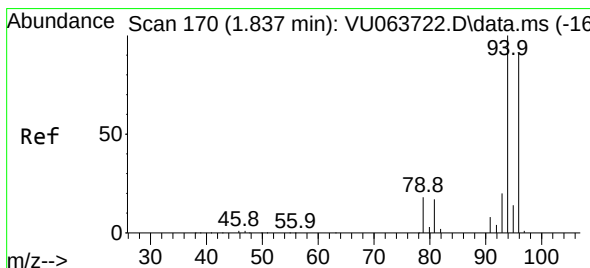
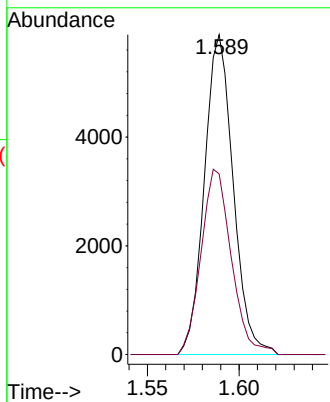
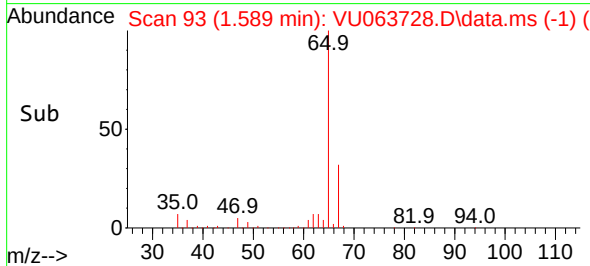
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2025-07



Tgt Ion: 62 Resp: 643
 Ion Ratio Lower Upper
 62 100
 64 56.5 23.2 43.2

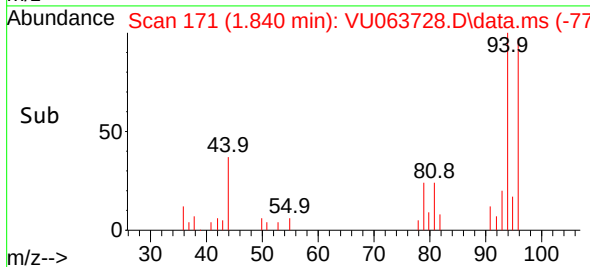
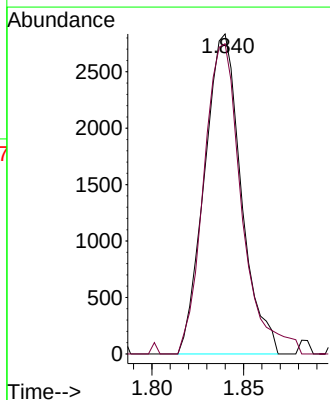
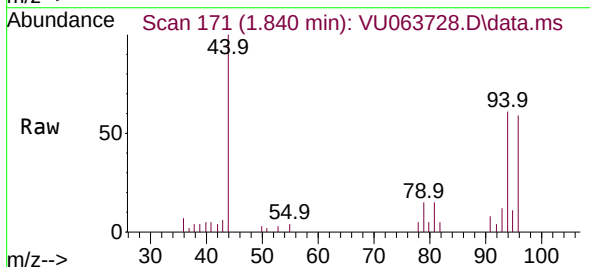
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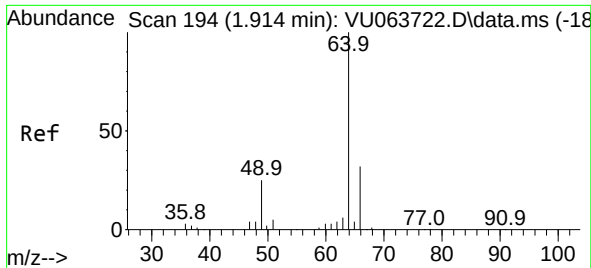
Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#6
 Bromomethane
 Concen: 2.490 ug/L
 RT: 1.840 min Scan# 171
 Delta R.T. 0.003 min
 Lab File: VU063728.D
 Acq: 17 Nov 2025 15:32

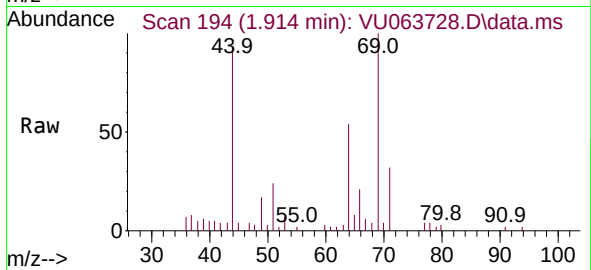
Tgt Ion: 94 Resp: 3945
 Ion Ratio Lower Upper
 94 100
 96 96.9 63.8 118.4





#8
Chloroethane
Concen: 2.546 ug/L m
RT: 1.914 min Scan# 194
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

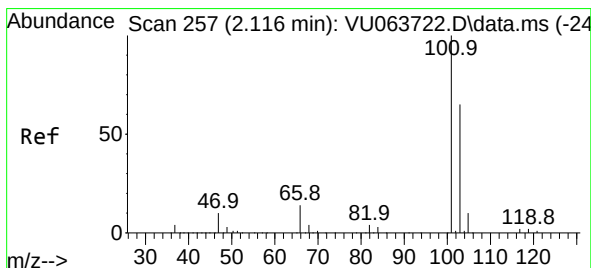
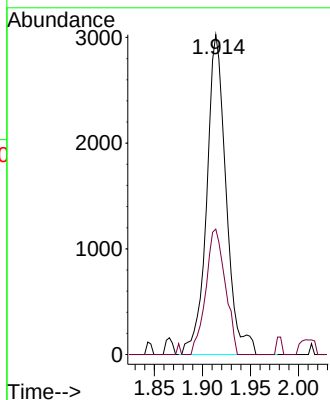
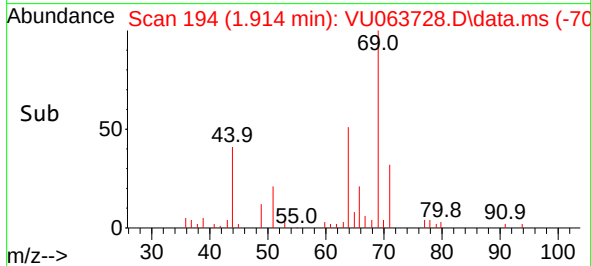
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2025-07



Tgt Ion: 64 Resp: 4249
Ion Ratio Lower Upper
64 100
66 10.3 22.4 41.6

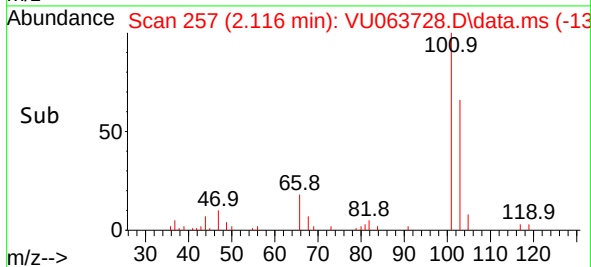
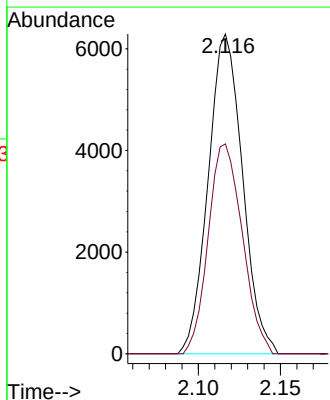
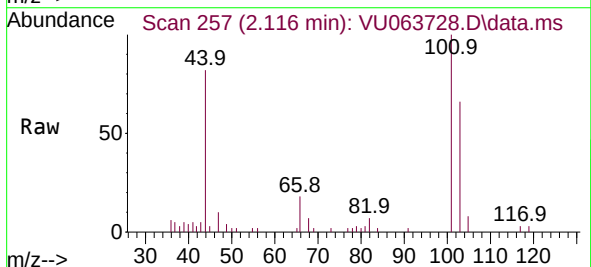
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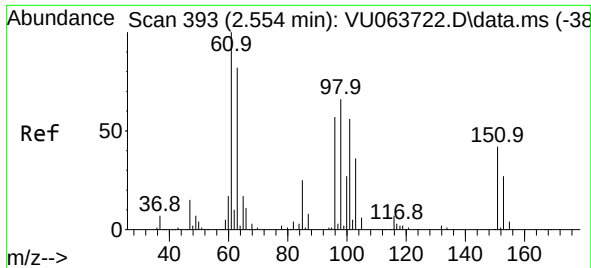
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#9
Trichlorofluoromethane
Concen: 2.332 ug/L
RT: 2.116 min Scan# 257
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion:101 Resp: 9196
Ion Ratio Lower Upper
101 100
103 65.1 52.0 78.0





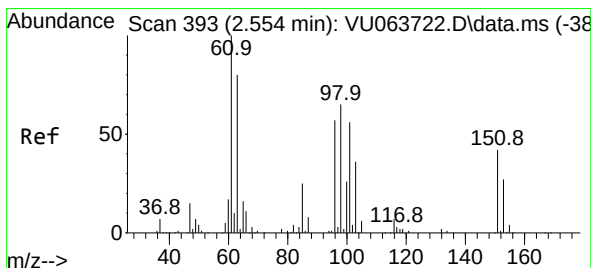
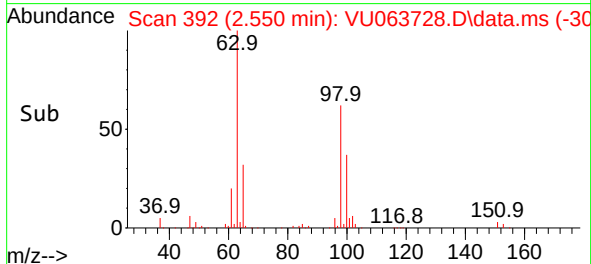
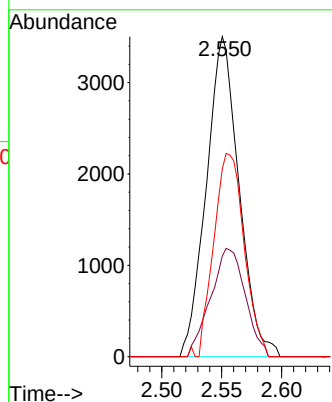
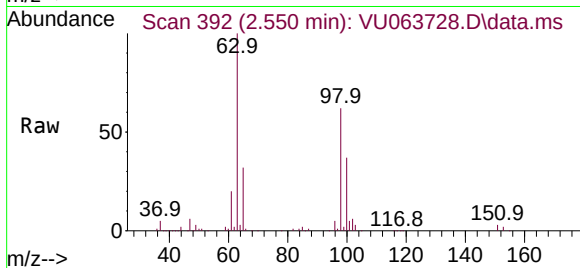
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 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.853 ug/L
 RT: 2.550 min Scan# 392
 Delta R.T. -0.003 min
 Lab File: VU063728.D
 Acq: 17 Nov 2025 15:32

Instrument :
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Tgt Ion:101 Resp: 6648
 Ion Ratio Lower Upper
 101 100
 85 35.7 36.3 54.5
 151 58.8 60.1 90.1

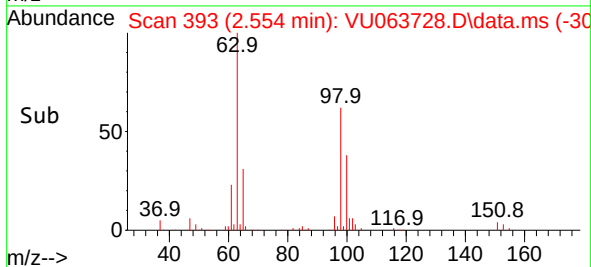
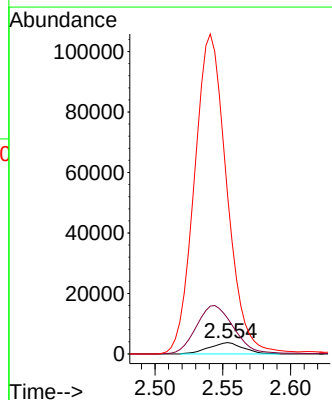
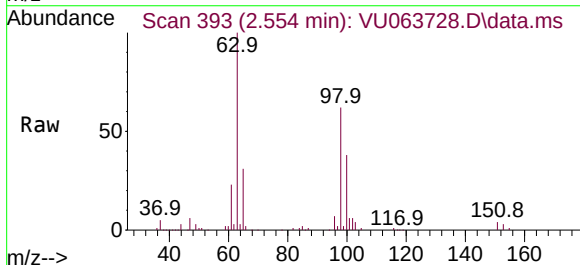
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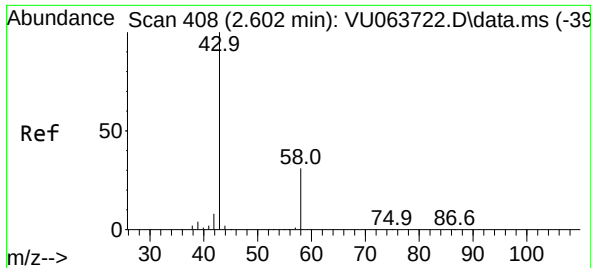
Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#12
 1,1-Dichloroethene
 Concen: 3.042 ug/L
 RT: 2.554 min Scan# 393
 Delta R.T. 0.000 min
 Lab File: VU063728.D
 Acq: 17 Nov 2025 15:32

Tgt Ion: 96 Resp: 6483
 Ion Ratio Lower Upper
 96 100
 61 315.0 123.3 228.9#
 63 1398.2 103.3 191.8#





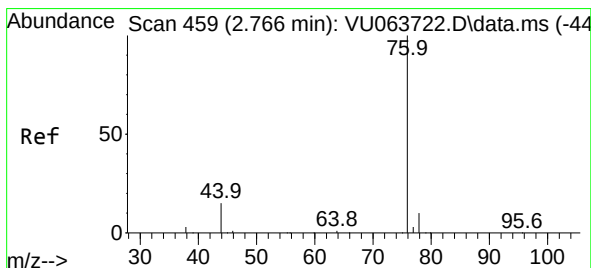
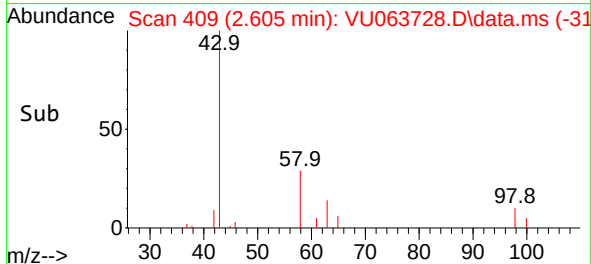
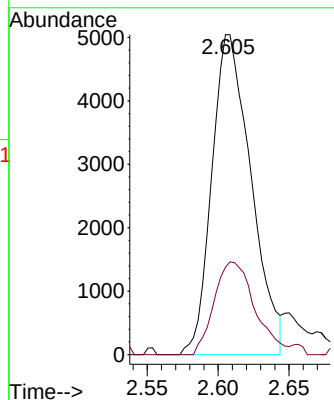
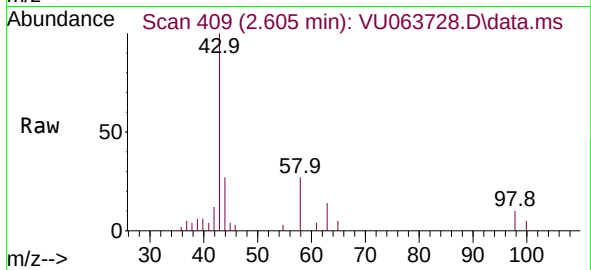
#13
Acetone
Concen: 4.470 ug/L
RT: 2.605 min Scan# 408
Delta R.T. 0.003 min
Lab File: VU063728.D
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Client Sample Id : MDL-WATER-QT4-2025-07

Tgt Ion: 43 Resp: 9725
Ion Ratio Lower Upper
43 100
58 30.1 0.0 63.4

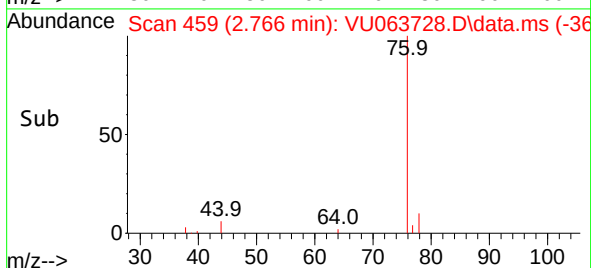
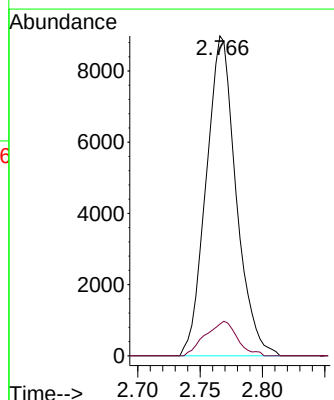
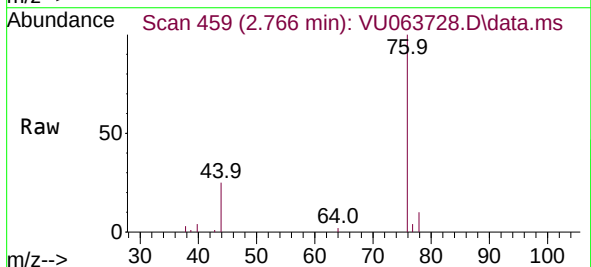
Manual Integrations
APPROVED

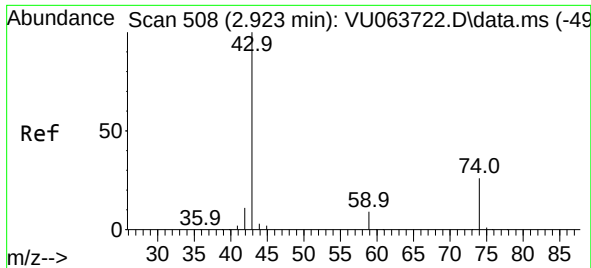
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#14
Carbon disulfide
Concen: 2.701 ug/L
RT: 2.766 min Scan# 459
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

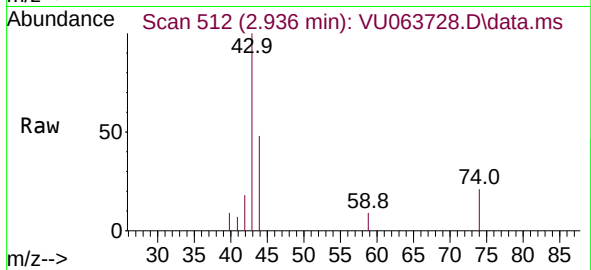
Tgt Ion: 76 Resp: 14997
Ion Ratio Lower Upper
76 100
78 9.9 7.8 11.6





#15
Methyl Acetate
Concen: 2.594 ug/L m
RT: 2.936 min Scan# 512
Delta R.T. 0.013 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

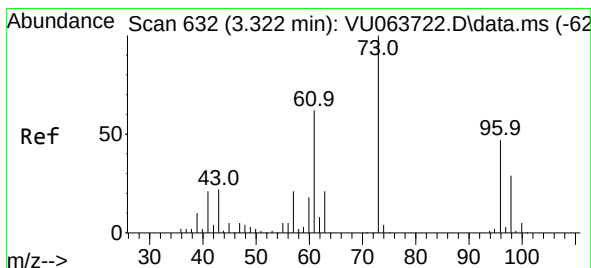
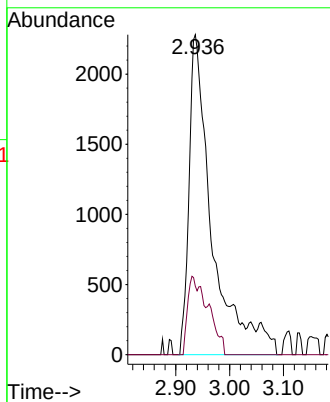
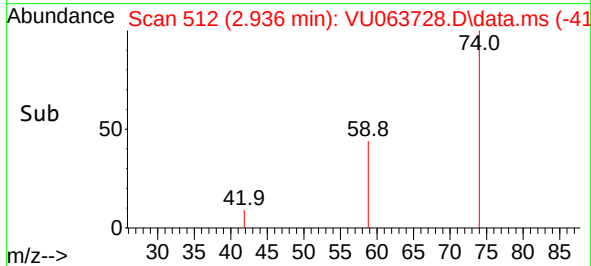
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07



Tgt Ion: 43 Resp: 6776
Ion Ratio Lower Upper
43 100
74 9.7 20.5 30.7

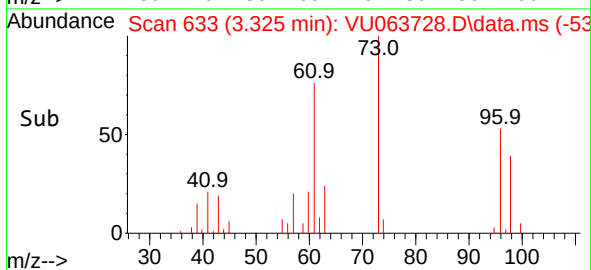
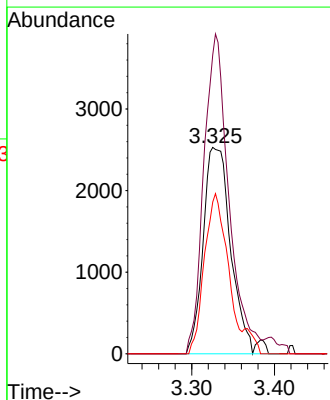
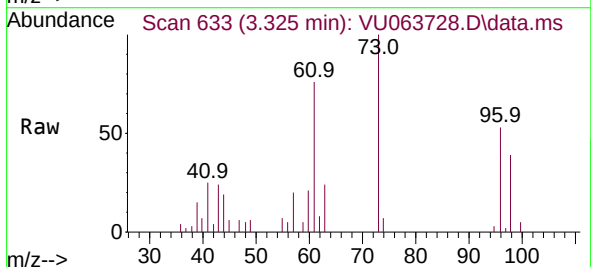
Manual Integrations
APPROVED

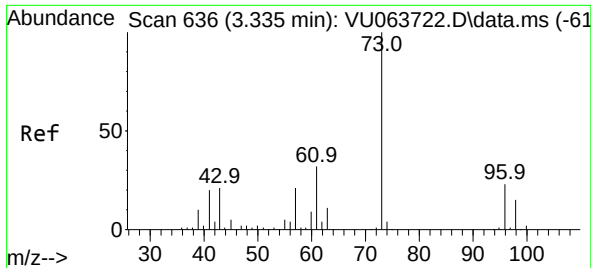
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#17
trans-1,2-Dichloroethene
Concen: 2.607 ug/L m
RT: 3.325 min Scan# 633
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

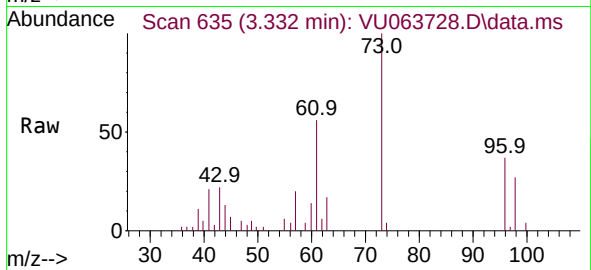
Tgt Ion: 96 Resp: 5925
Ion Ratio Lower Upper
96 100
61 144.9 92.7 172.1
98 73.6 43.2 80.2





#18
Methyl tert-butyl Ether
Concen: 2.168 ug/L
RT: 3.332 min Scan# 636
Delta R.T. -0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

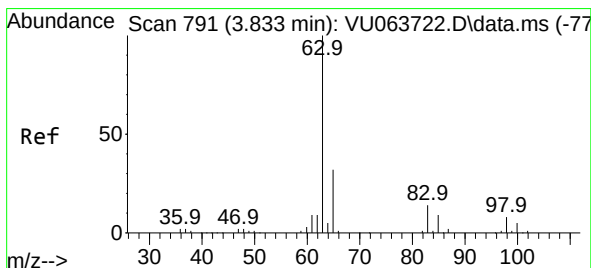
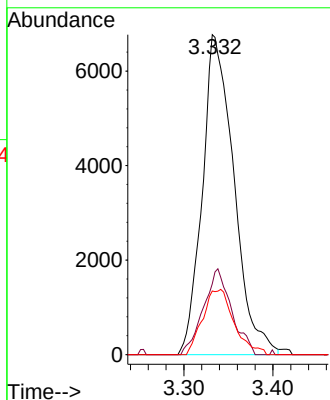
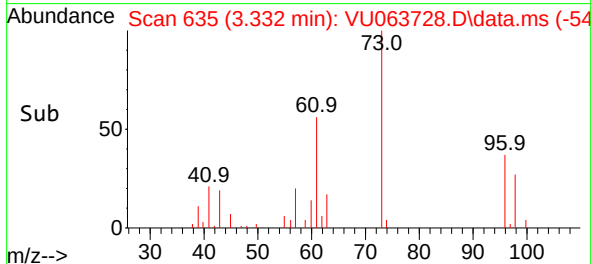
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2025-07



Tgt Ion: 73 Resp: 16672
Ion Ratio Lower Upper
73 100
43 22.4 16.6 24.8
57 8.9 16.3 24.5

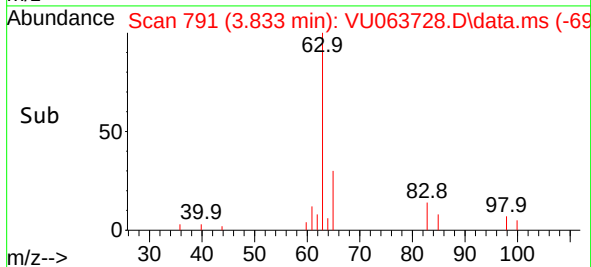
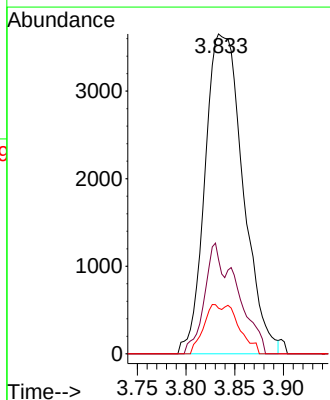
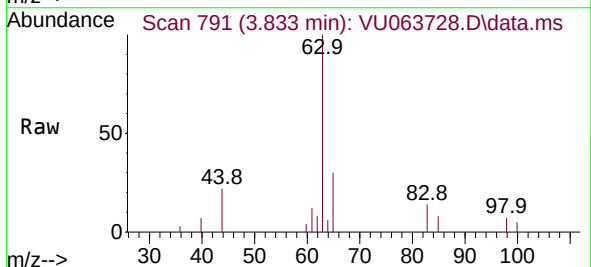
Manual Integrations
APPROVED

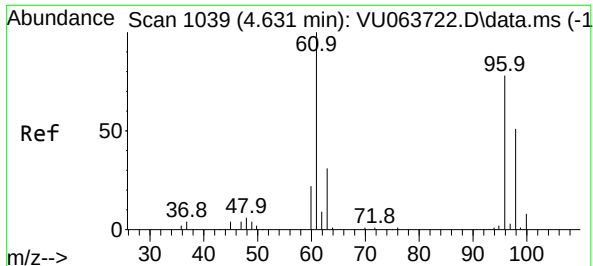
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#19
1,1-Dichloroethane
Concen: 2.261 ug/L
RT: 3.833 min Scan# 791
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

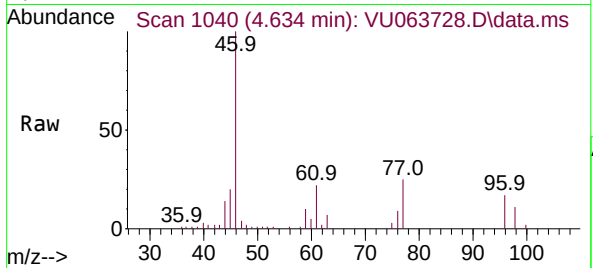
Tgt Ion: 63 Resp: 9900
Ion Ratio Lower Upper
63 100
65 29.5 22.0 41.0
83 14.3 9.5 17.7





#20
cis-1,2-Dichloroethene
Concen: 2.280 ug/L
RT: 4.634 min Scan# 1039
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

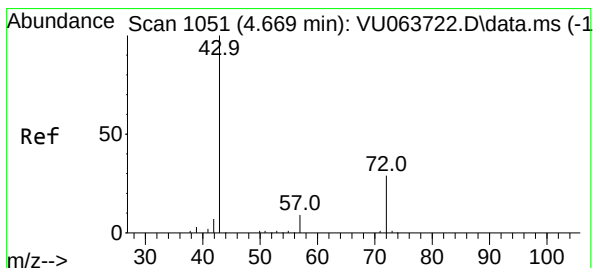
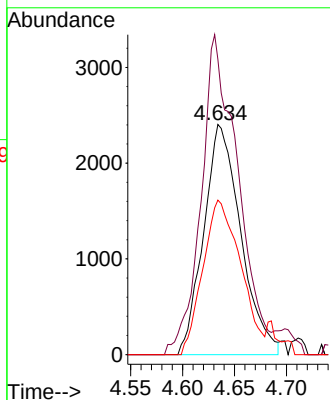
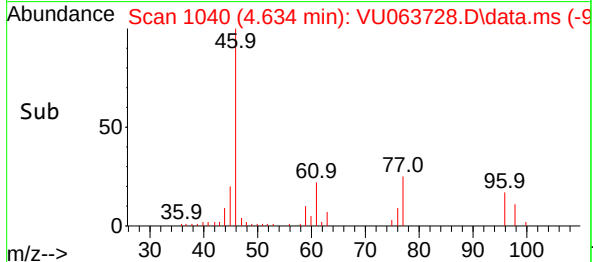
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07



Tgt Ion: 96 Resp: 5964
Ion Ratio Lower Upper
96 100
61 128.3 90.3 167.7
98 67.1 46.3 86.1

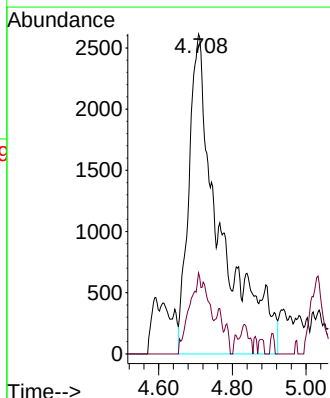
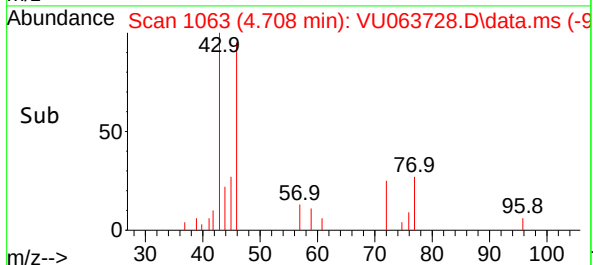
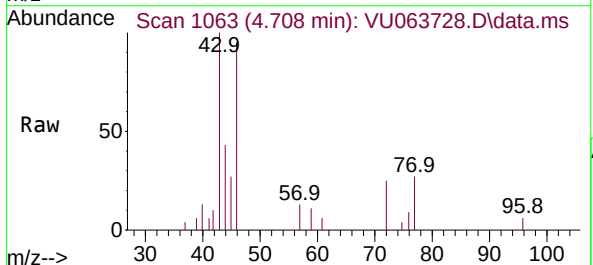
Manual Integrations
APPROVED

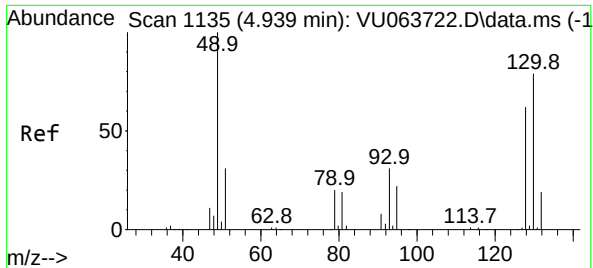
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#22
2-Butanone
Concen: 6.364 ug/L m
RT: 4.708 min Scan# 1063
Delta R.T. 0.039 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

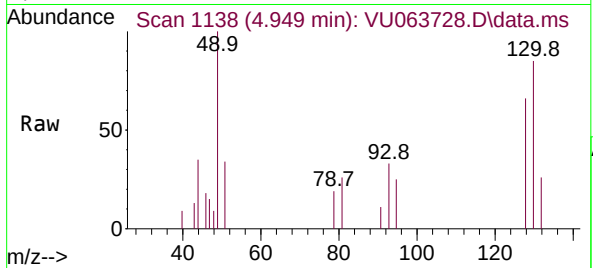
Tgt Ion: 43 Resp: 15380
Ion Ratio Lower Upper
43 100
72 0.3 13.6 40.7#





#23
Bromochloromethane
Concen: 2.376 ug/L
RT: 4.949 min Scan# 1135
Delta R.T. 0.010 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

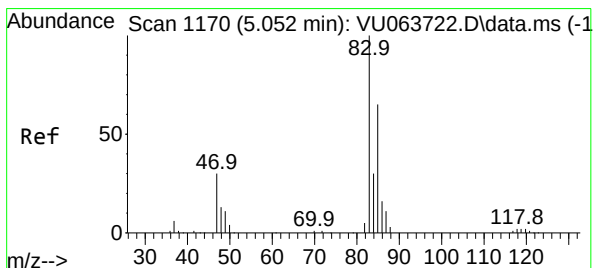
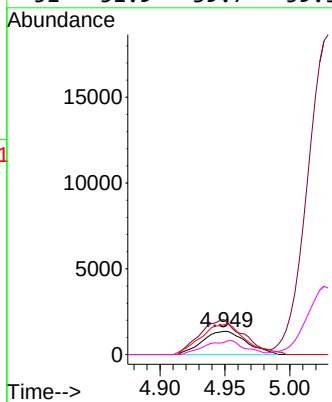
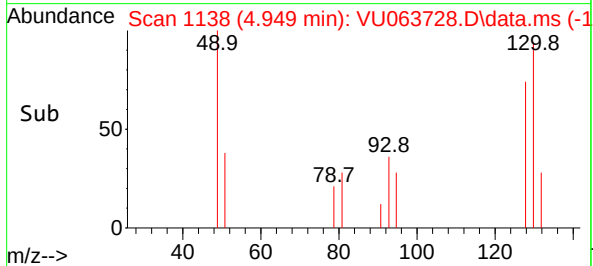
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07



Tgt Ion:128 Resp: 3195
Ion Ratio Lower Upper
128 100
49 150.5 113.5 210.7
130 127.7 89.8 166.8
51 51.9 39.7 59.5

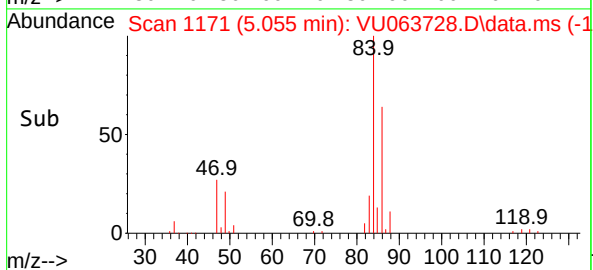
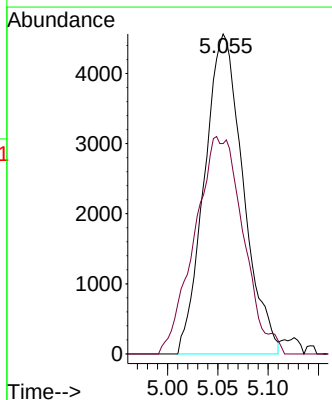
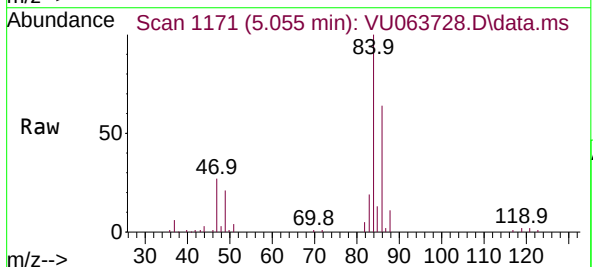
Manual Integrations
APPROVED

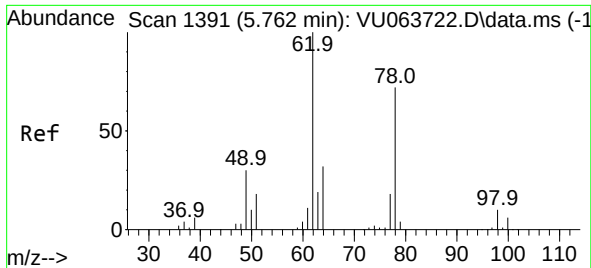
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#25
Chloroform
Concen: 2.574 ug/L
RT: 5.055 min Scan# 1171
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

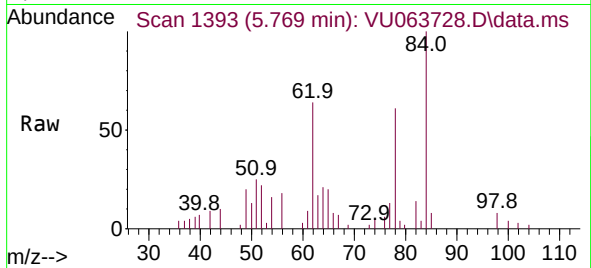
Tgt Ion: 83 Resp: 12202
Ion Ratio Lower Upper
83 100
85 65.7 45.4 84.4





#27
1,2-Dichloroethane
Concen: 2.446 ug/L m
RT: 5.769 min Scan# 1391
Delta R.T. 0.007 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

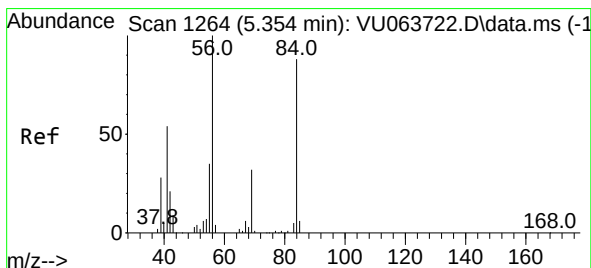
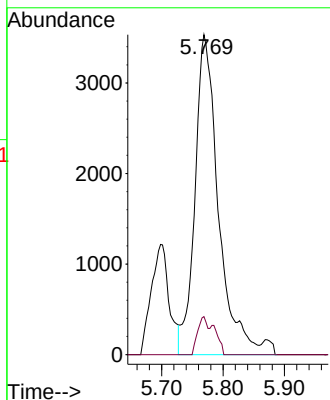
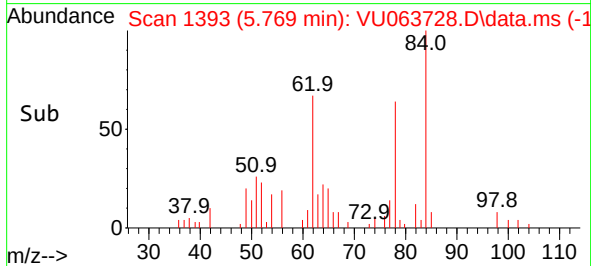
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07



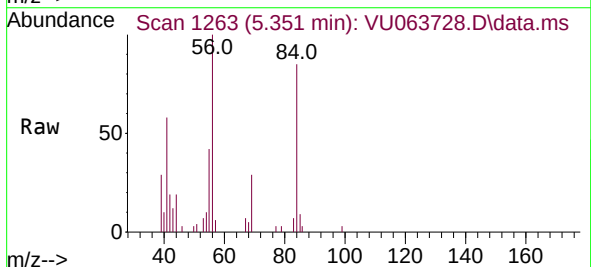
Tgt Ion: 62 Resp: 946
Ion Ratio Lower Upper
62 100
98 11.9 7.6 11.4

Manual Integrations
APPROVED

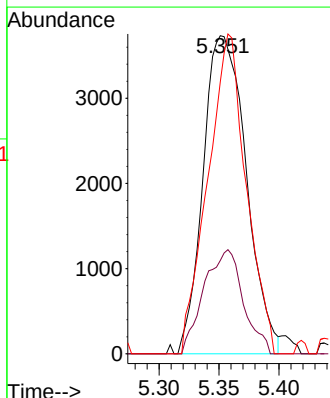
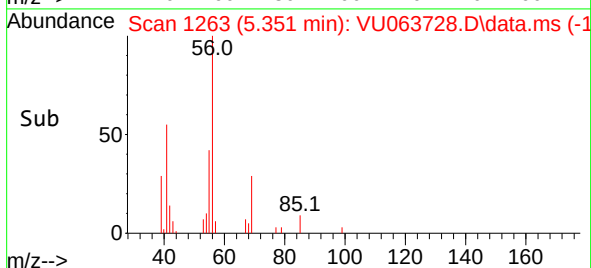
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

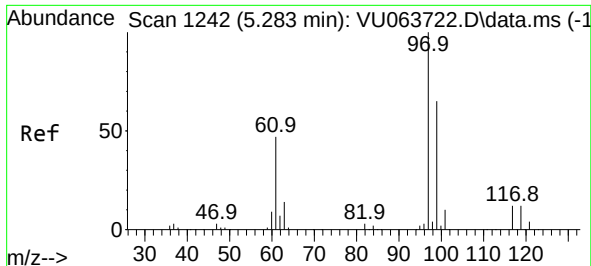


#29
Cyclohexane
Concen: 2.368 ug/L
RT: 5.351 min Scan# 1263
Delta R.T. -0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32



Tgt Ion: 56 Resp: 9333
Ion Ratio Lower Upper
56 100
69 30.0 25.8 38.8
84 89.4 69.3 103.9





#30

1,1,1-Trichloroethane

Concen: 2.230 ug/L

RT: 5.283 min Scan# 1242

Delta R.T. 0.000 min

Lab File: VU063728.D

Acq: 17 Nov 2025 15:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2025-07

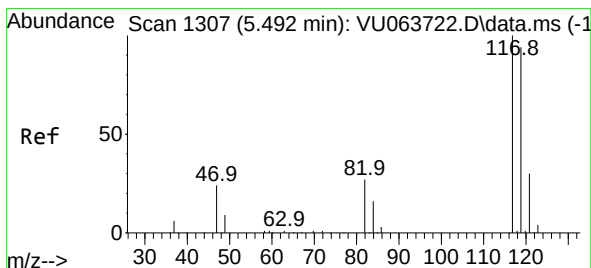
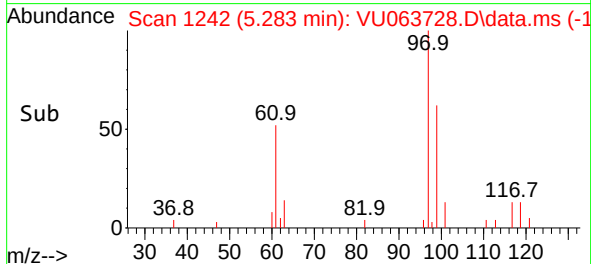
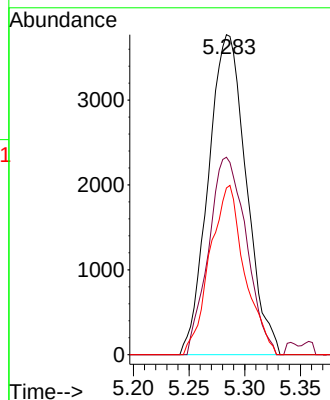
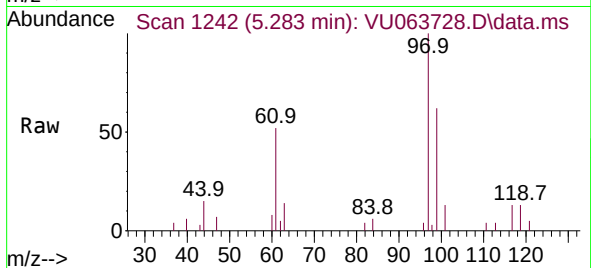
Tgt Ion:	97	Resp:	8918
Ion Ratio	Lower	Upper	
97	100		
99	61.3	50.7	76.1
61	48.6	37.2	55.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025



#31

Carbon tetrachloride

Concen: 2.051 ug/L

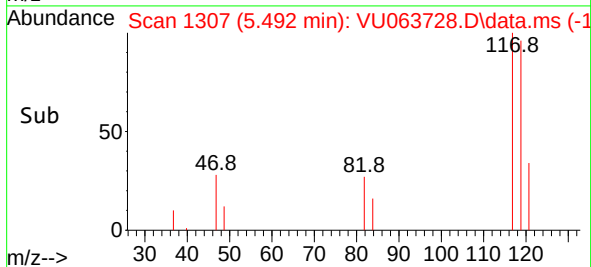
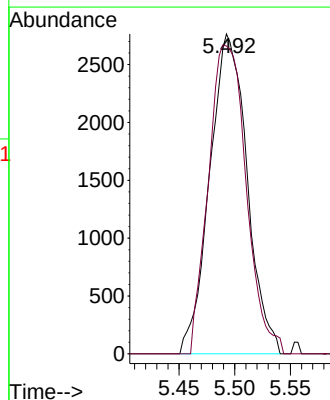
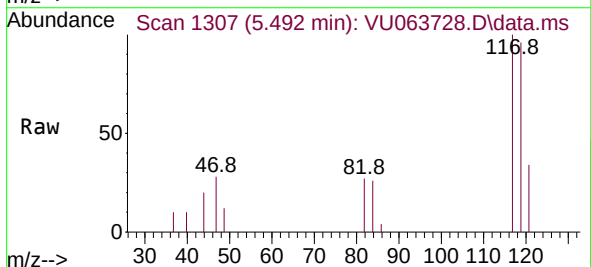
RT: 5.492 min Scan# 1307

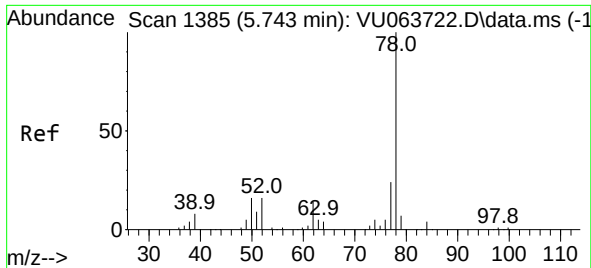
Delta R.T. 0.000 min

Lab File: VU063728.D

Acq: 17 Nov 2025 15:32

Tgt Ion:	117	Resp:	6451
Ion Ratio	Lower	Upper	
117	100		
119	97.5	76.0	114.0





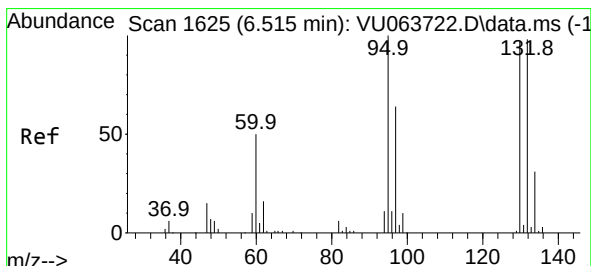
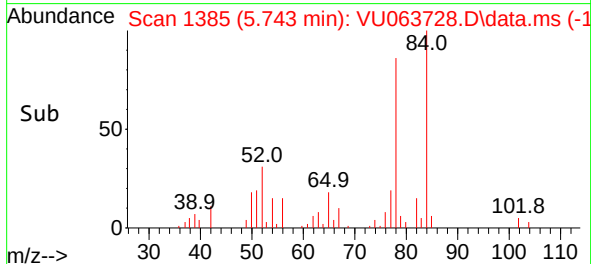
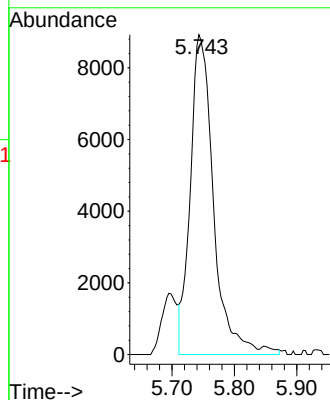
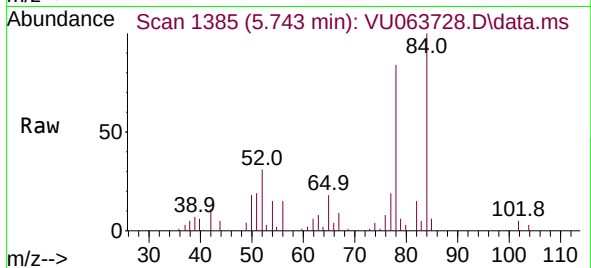
#33
Benzene
Concen: 2.418 ug/L m
RT: 5.743 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07

Tgt Ion: 78 Resp: 23099

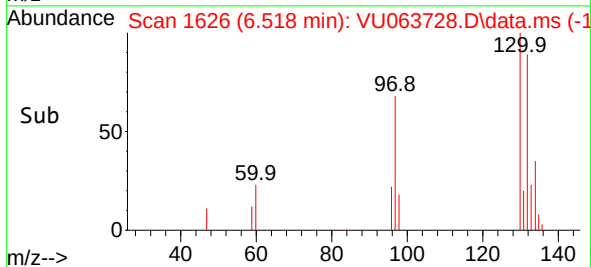
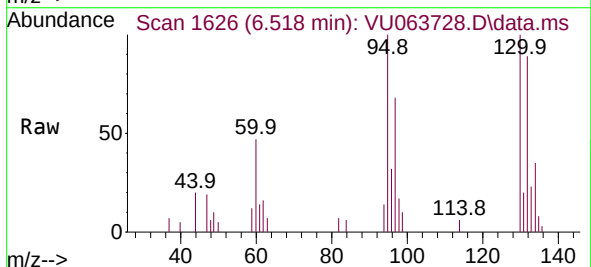
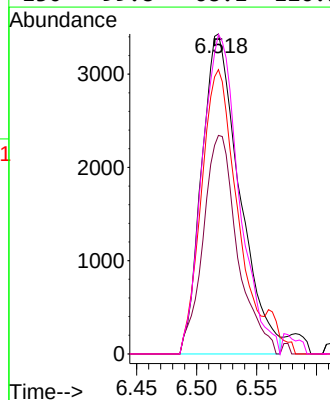
Manual Integrations
APPROVED

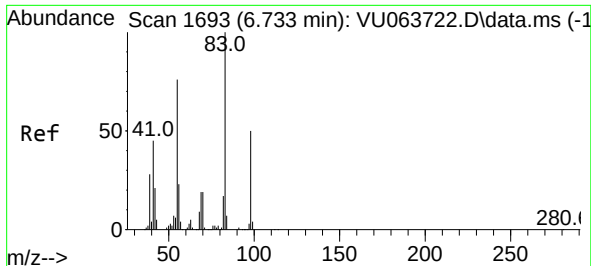
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#34
Trichloroethene
Concen: 2.736 ug/L
RT: 6.518 min Scan# 1626
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

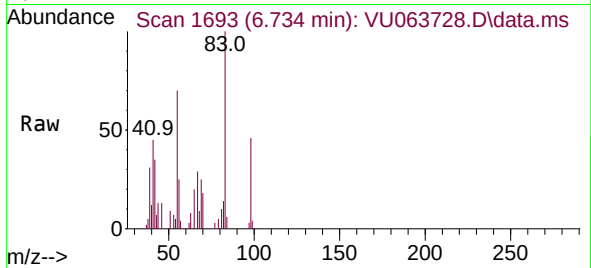
Tgt Ion: 95 Resp: 7534
Ion Ratio Lower Upper
95 100
97 68.3 45.1 83.9
132 88.8 68.3 126.8
130 99.8 68.1 126.5





#35
Methylcyclohexane
Concen: 2.574 ug/L
RT: 6.734 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

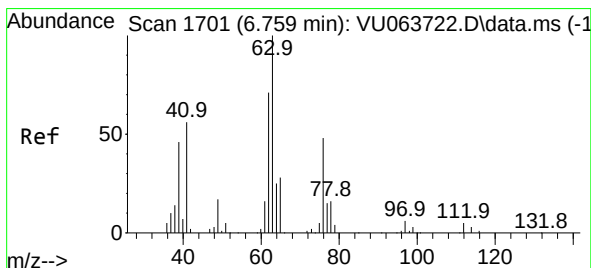
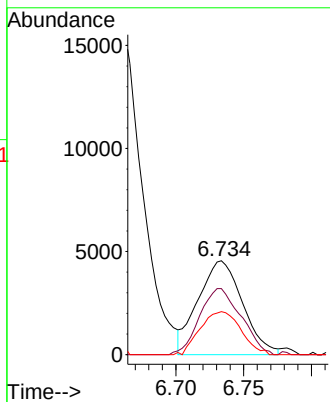
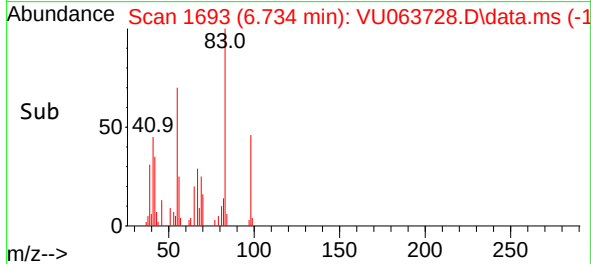
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07



Tgt Ion: 83 Resp: 10404
Ion Ratio Lower Upper
83 100
55 65.1 60.9 91.3
98 41.6 39.7 59.5

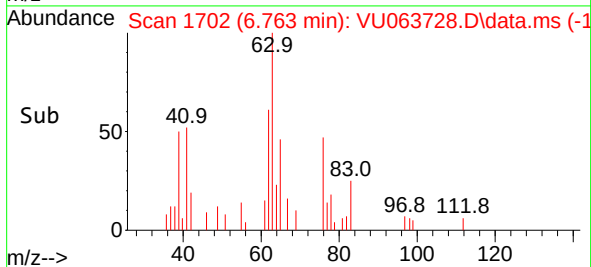
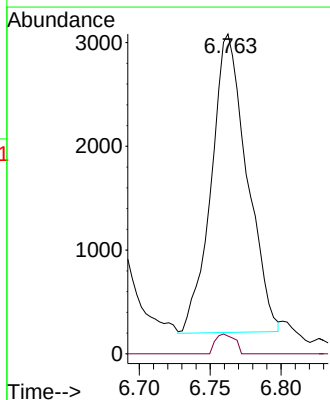
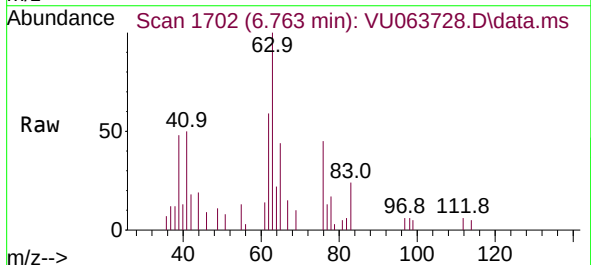
Manual Integrations
APPROVED

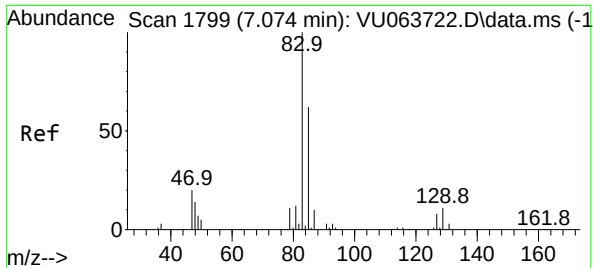
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#37
1,2-Dichloropropane
Concen: 2.036 ug/L
RT: 6.763 min Scan# 1702
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

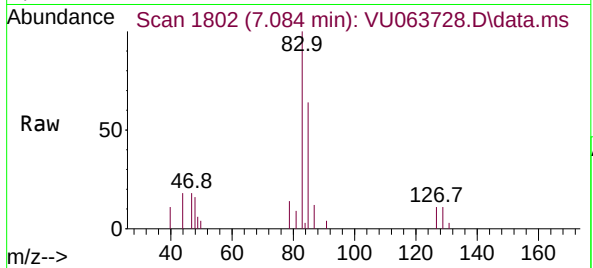
Tgt Ion: 63 Resp: 5055
Ion Ratio Lower Upper
63 100
112 3.6 3.7 5.5#





#38
Bromodichloromethane
Concen: 2.042 ug/L
RT: 7.084 min Scan# 1802
Delta R.T. 0.010 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

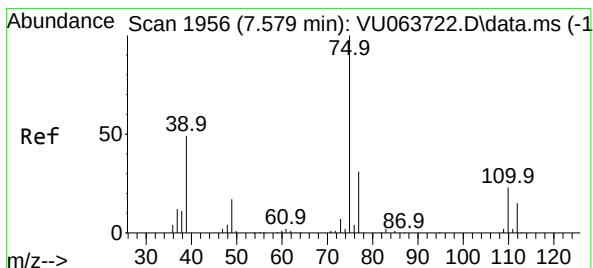
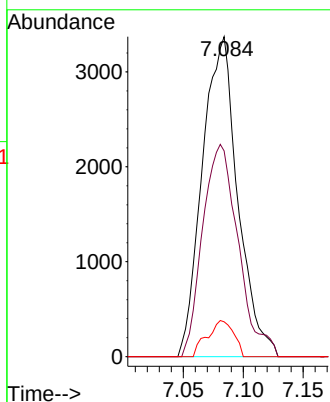
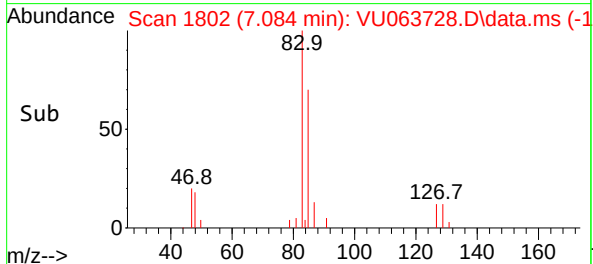
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2025-07



Tgt Ion: 83 Resp: 694
Ion Ratio Lower Upper
83 100
85 64.3 43.1 80.1
127 10.9 6.6 10.0

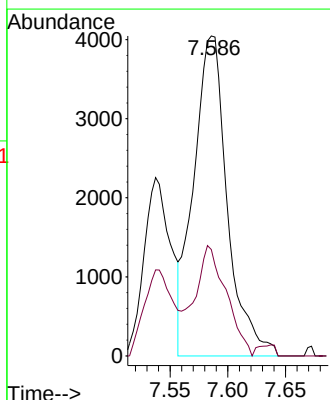
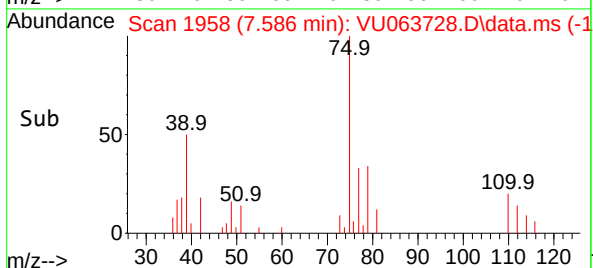
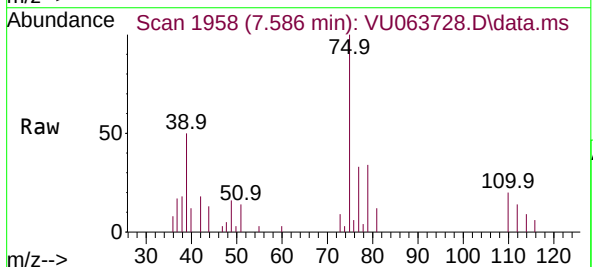
Manual Integrations
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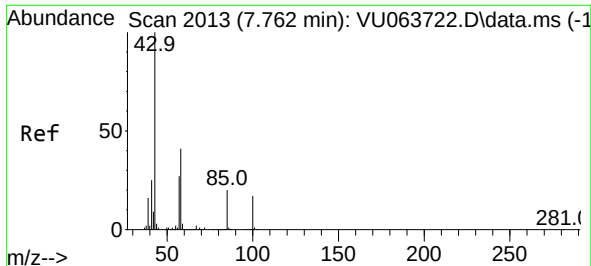
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#39
cis-1,3-Dichloropropene
Concen: 2.241 ug/L
RT: 7.586 min Scan# 1958
Delta R.T. 0.007 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion: 75 Resp: 8251
Ion Ratio Lower Upper
75 100
77 31.3 22.1 41.1





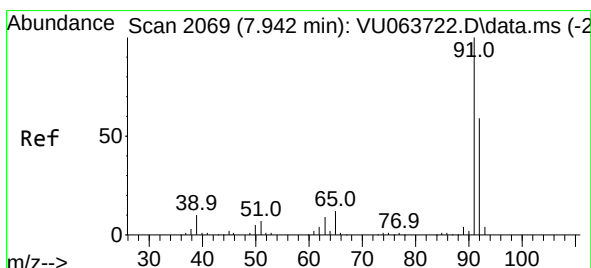
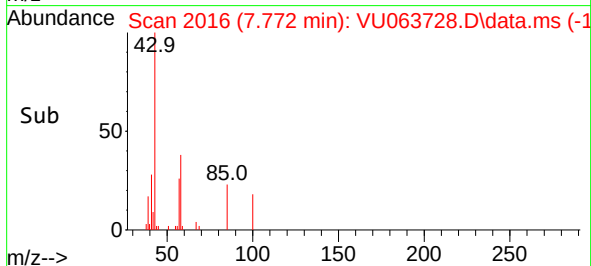
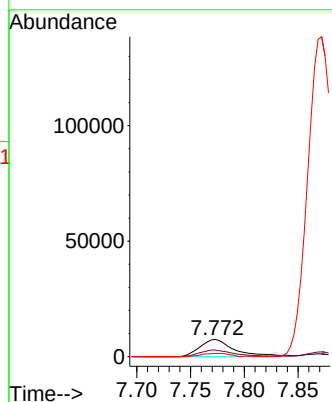
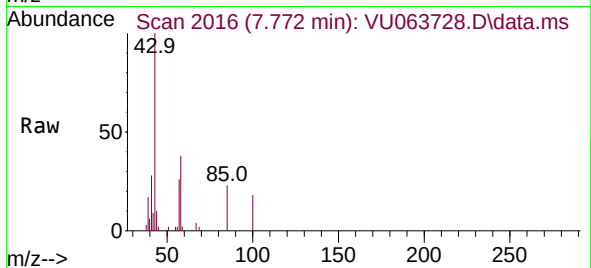
#40
4-Methyl-2-pentanone
Concen: 4.533 ug/L
RT: 7.772 min Scan# 2013
Delta R.T. 0.010 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07

Tgt Ion: 43 Resp: 16289
Ion Ratio Lower Upper
43 100
58 38.7 32.9 49.3
100 15.2 13.9 20.9

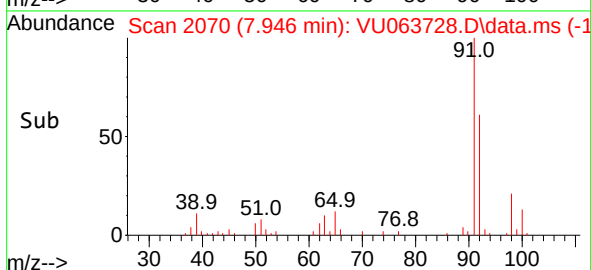
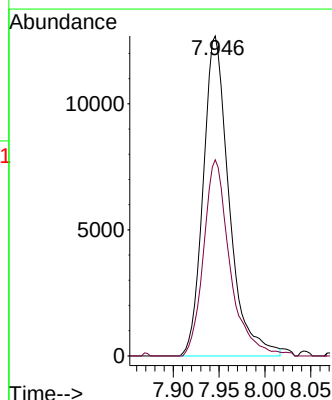
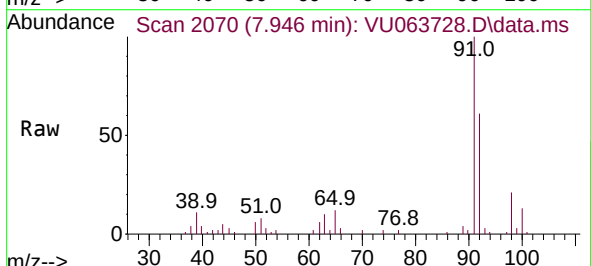
Manual Integrations
APPROVED

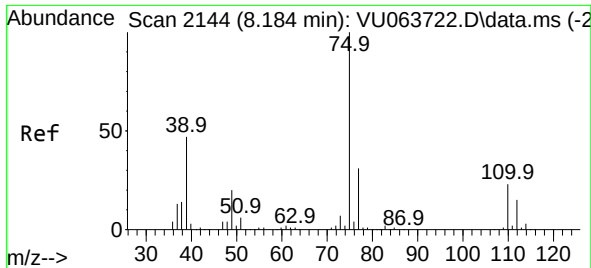
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#42
Toluene
Concen: 2.371 ug/L
RT: 7.946 min Scan# 2070
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion: 91 Resp: 24999
Ion Ratio Lower Upper
91 100
92 61.3 41.2 76.4





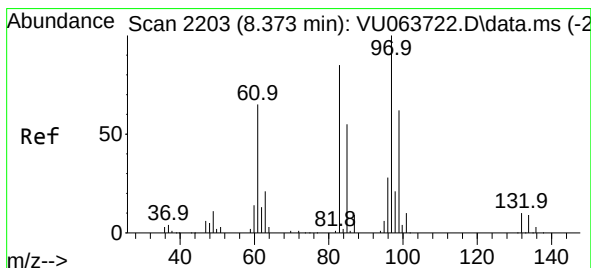
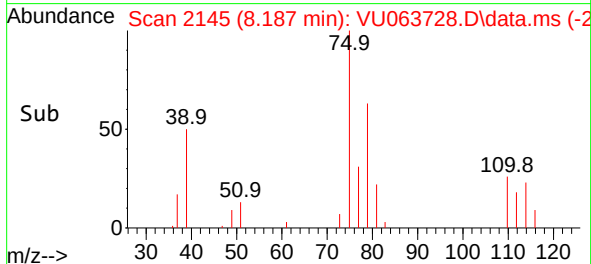
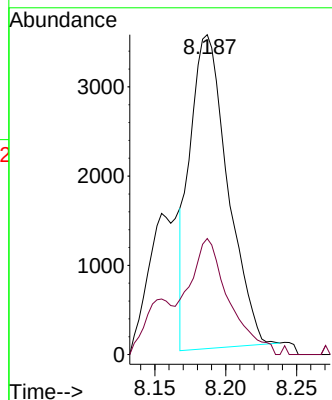
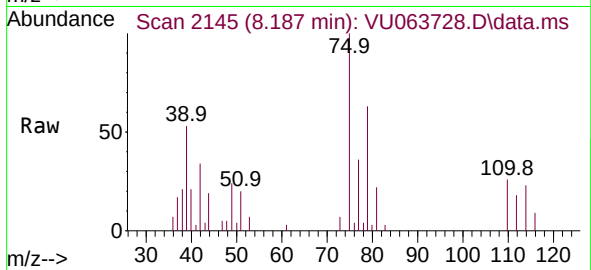
#44
trans-1,3-Dichloropropene
Concen: 2.025 ug/L
RT: 8.187 min Scan# 2144
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2025-07

Tgt Ion: 75 Resp: 650
Ion Ratio Lower Upper
75 100
77 36.3 21.4 39.8

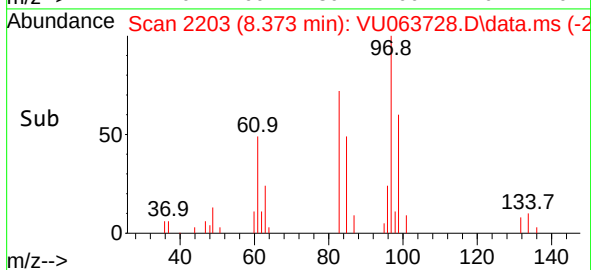
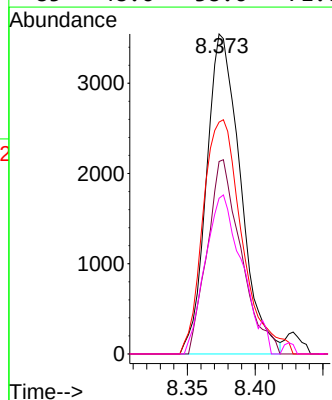
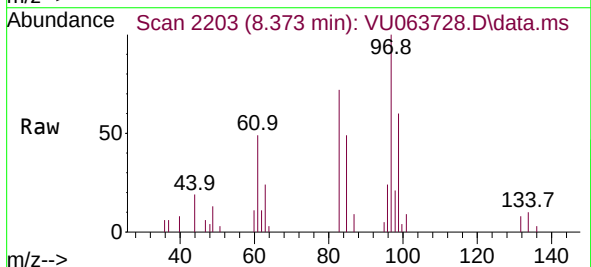
Manual Integrations
APPROVED

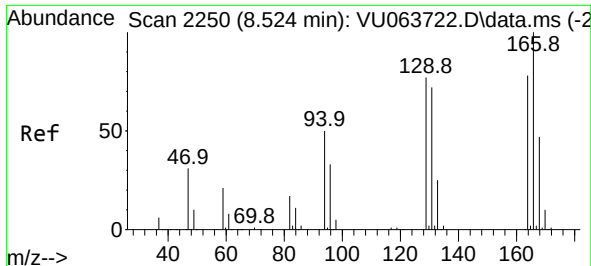
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#45
1,1,2-Trichloroethane
Concen: 2.361 ug/L
RT: 8.373 min Scan# 2203
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

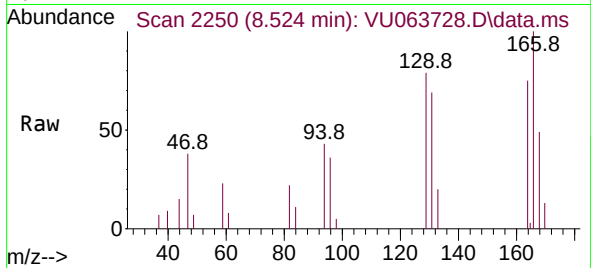
Tgt Ion: 97 Resp: 6199
Ion Ratio Lower Upper
97 100
99 63.9 43.7 81.1
83 72.4 59.7 110.9
85 48.6 38.6 71.6





#46
Tetrachloroethene
Concen: 2.334 ug/L
RT: 8.524 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07

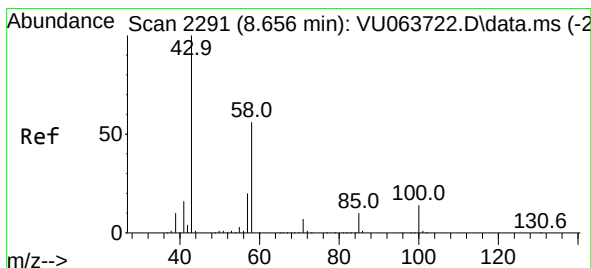
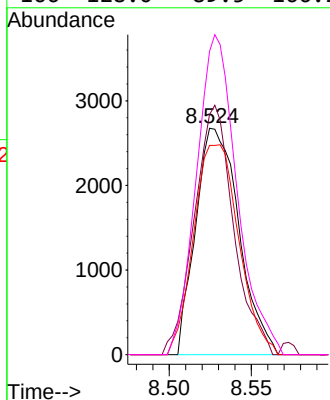
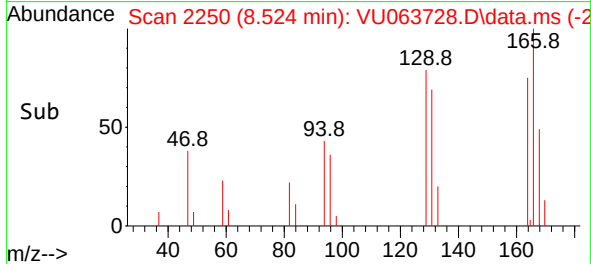


Tgt Ion:164 Resp: 4916

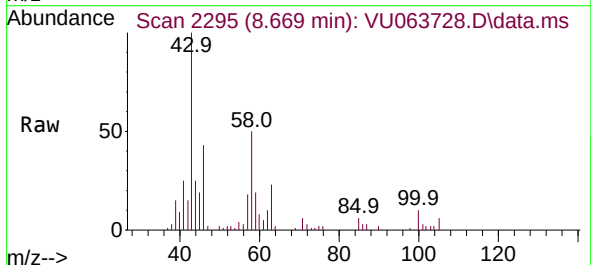
Ion	Ratio	Lower	Upper
164	100		
129	101.3	68.5	127.3
131	88.3	64.3	119.3
166	128.0	89.5	166.1

Manual Integrations
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Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

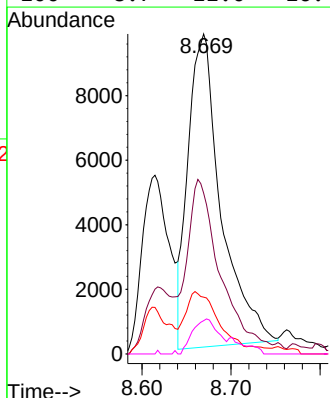
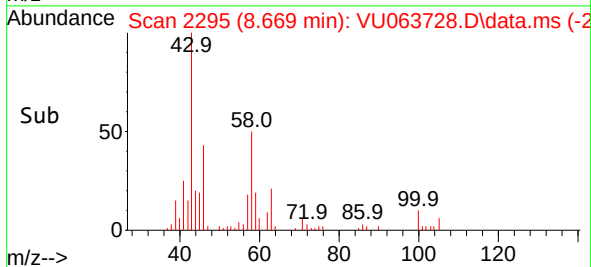


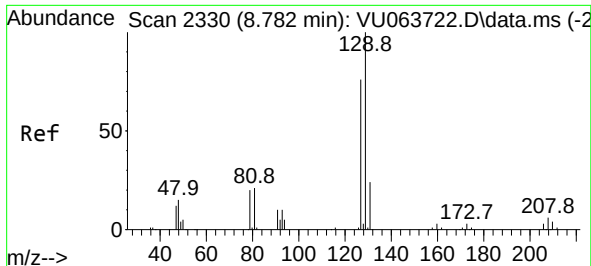
#48
2-Hexanone
Concen: 8.862 ug/L
RT: 8.669 min Scan# 2295
Delta R.T. 0.013 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32



Tgt Ion: 43 Resp: 24995

Ion	Ratio	Lower	Upper
43	100		
58	56.2	44.8	67.2
57	17.3	16.6	24.8
100	8.7	11.0	16.4





#49

Dibromochloromethane

Concen: 1.952 ug/L

RT: 8.782 min Scan# 2330

Delta R.T. 0.000 min

Lab File: VU063728.D

Acq: 17 Nov 2025 15:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2025-07

Tgt Ion:129 Resp: 4948

Ion Ratio Lower Upper

129 100

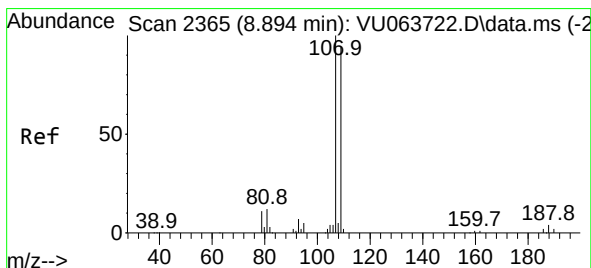
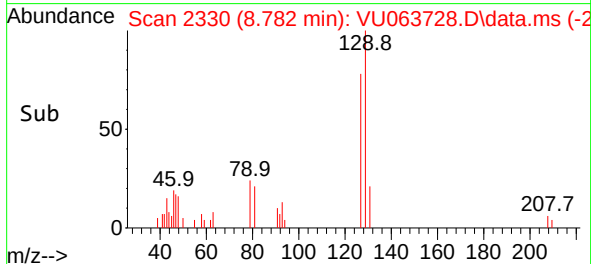
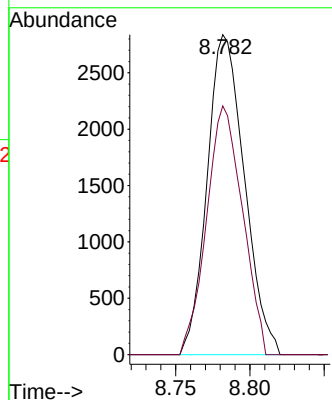
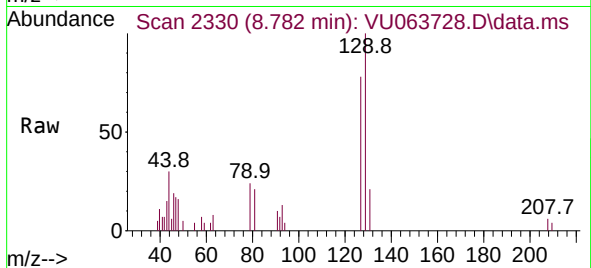
127 77.7 53.4 99.2

Manual Integrations

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Reviewed By :Amit Patel 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025



#50

1,2-Dibromoethane

Concen: 2.214 ug/L

RT: 8.904 min Scan# 2368

Delta R.T. 0.010 min

Lab File: VU063728.D

Acq: 17 Nov 2025 15:32

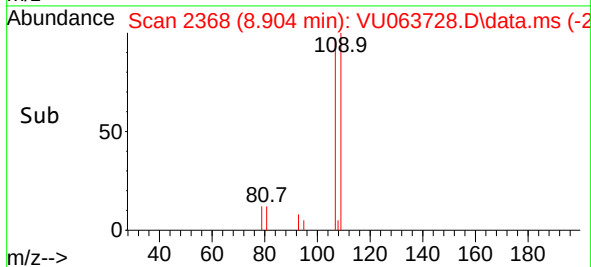
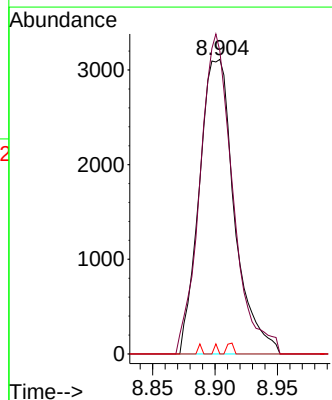
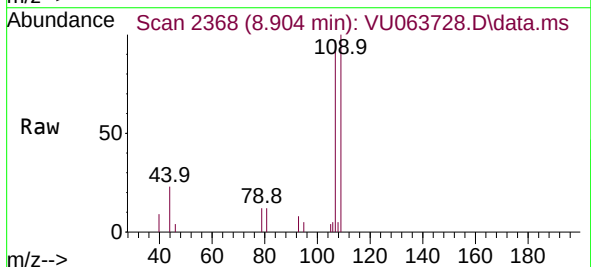
Tgt Ion:107 Resp: 6102

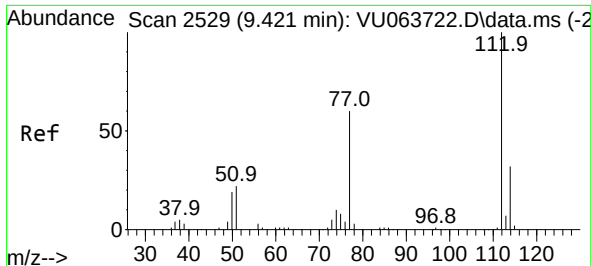
Ion Ratio Lower Upper

107 100

109 102.7 65.8 122.2

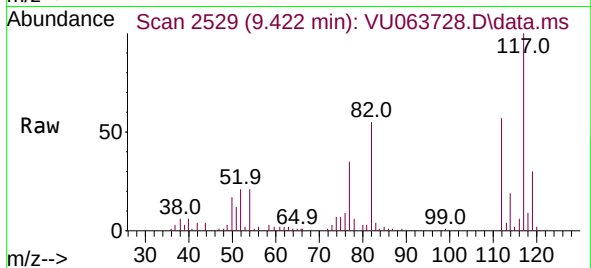
188 0.0 3.2 4.8#





#51
Chlorobenzene
Concen: 2.521 ug/L
RT: 9.422 min Scan# 2529
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

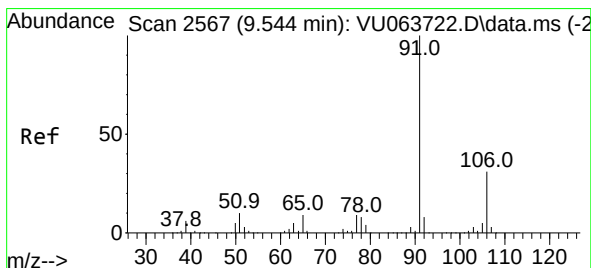
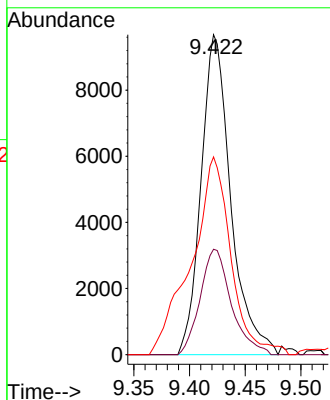
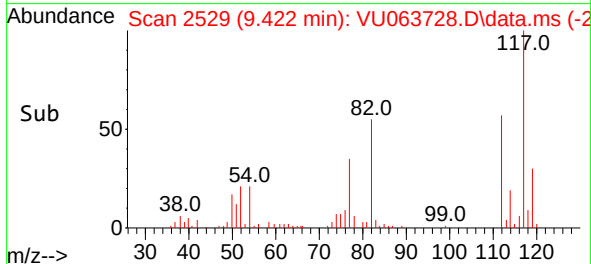
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07



Tgt Ion:112 Resp: 17943
Ion Ratio Lower Upper
112 100
114 32.9 22.1 41.1
77 61.8 48.0 72.0

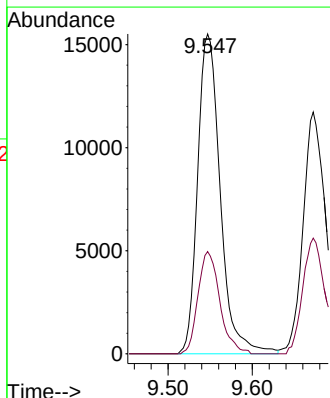
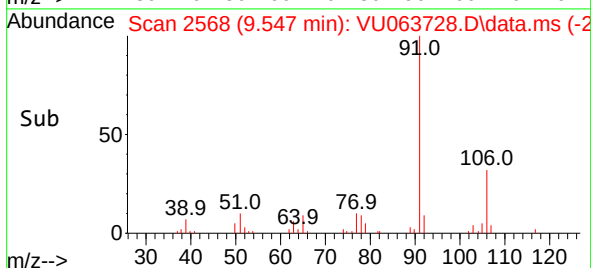
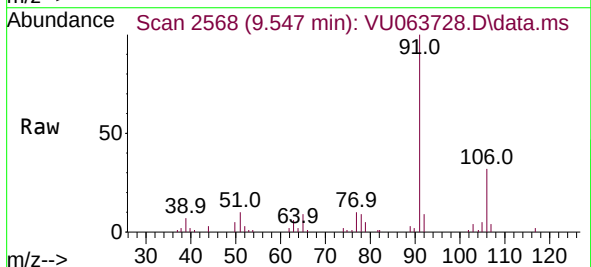
Manual Integrations
APPROVED

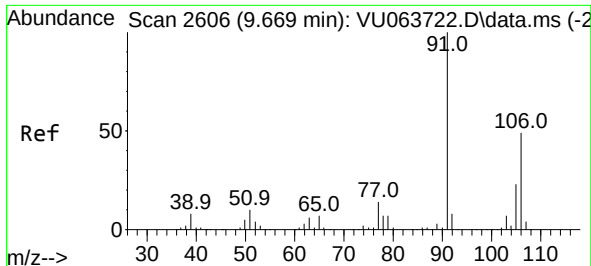
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#52
Ethylbenzene
Concen: 2.361 ug/L
RT: 9.547 min Scan# 2568
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion: 91 Resp: 28908
Ion Ratio Lower Upper
91 100
106 35.7 21.3 39.6





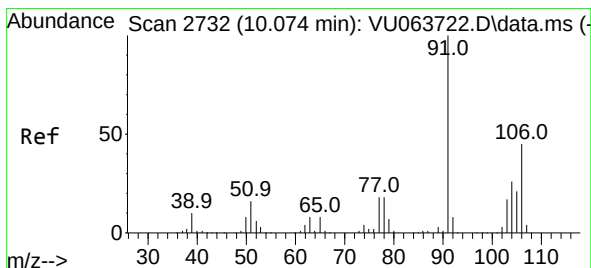
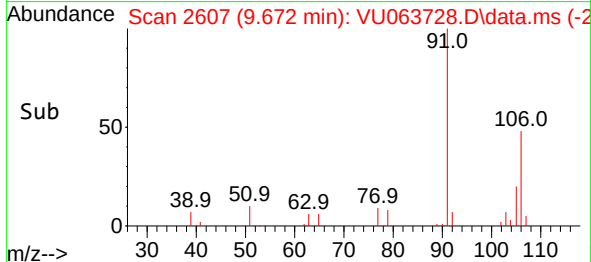
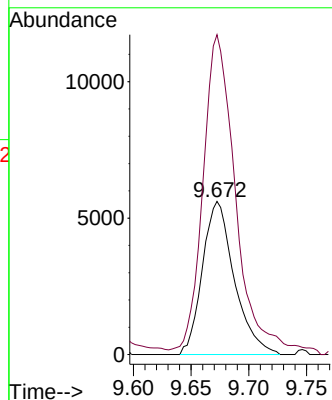
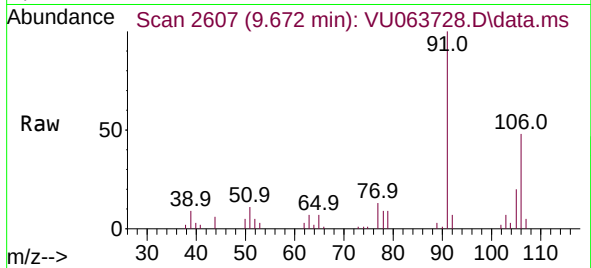
#53
m,p-Xylene
Concen: 2.316 ug/L
RT: 9.672 min Scan# 2606
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07

Tgt Ion:106 Resp: 10808
Ion Ratio Lower Upper
106 100
91 208.9 143.6 266.6

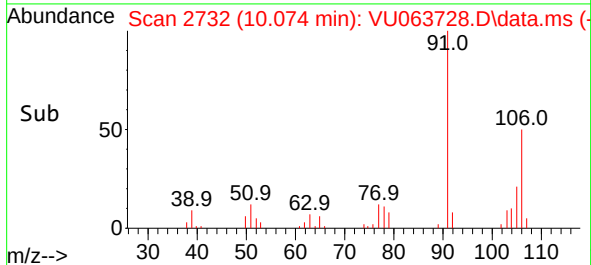
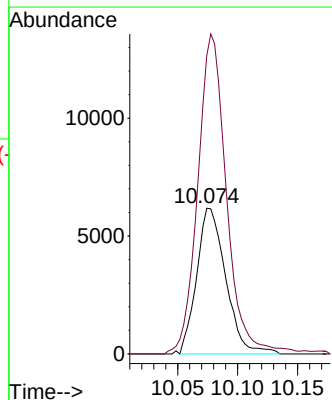
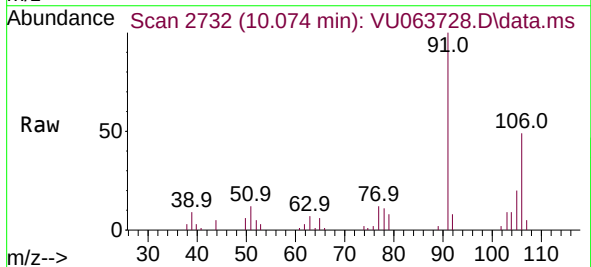
Manual Integrations
APPROVED

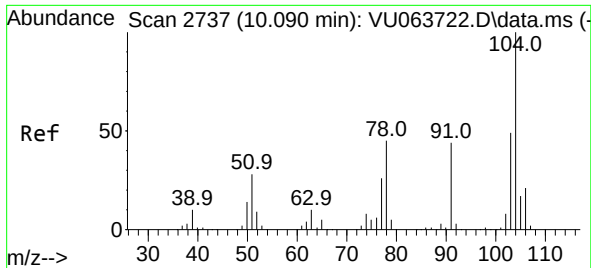
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#54
o-Xylene
Concen: 2.287 ug/L
RT: 10.074 min Scan# 2732
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

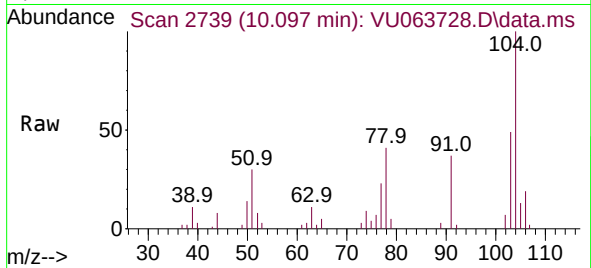
Tgt Ion:106 Resp: 10396
Ion Ratio Lower Upper
106 100
91 204.7 156.0 289.6





#55
Styrene
Concen: 2.354 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

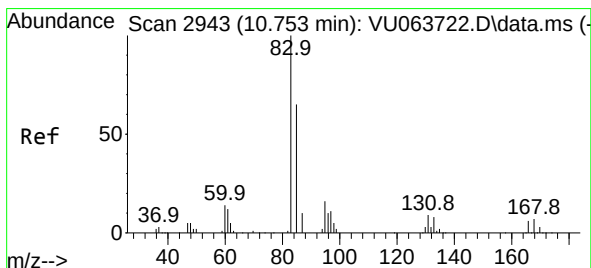
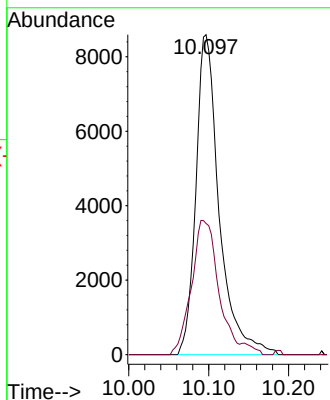
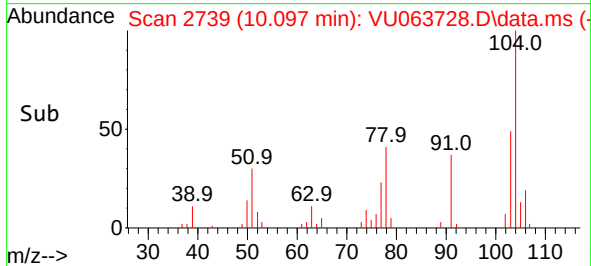
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07



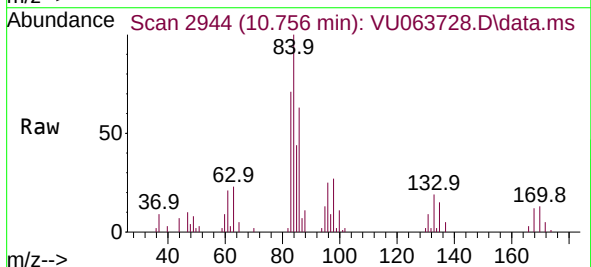
Tgt Ion:104 Resp: 17334
Ion Ratio Lower Upper
104 100
78 41.0 32.0 59.4

Manual Integrations
APPROVED

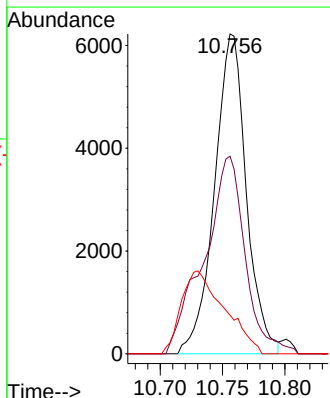
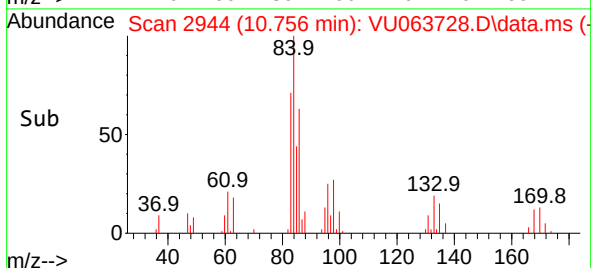
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

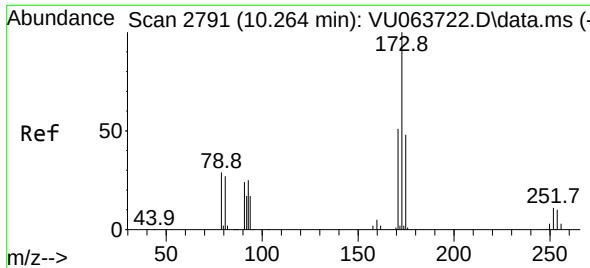


#57
1,1,2,2-Tetrachloroethane
Concen: 2.577 ug/L
RT: 10.756 min Scan# 2944
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32



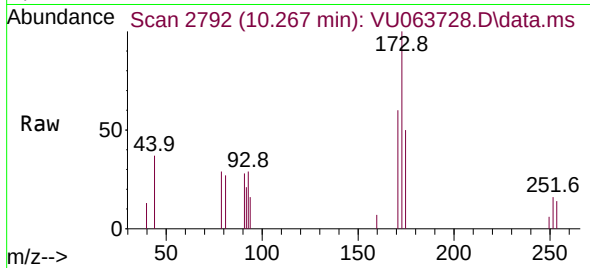
Tgt Ion: 83 Resp: 11018
Ion Ratio Lower Upper
83 100
85 61.8 45.7 84.9
131 12.1 7.4 11.2#





#59
Bromoform
Concen: 1.898 ug/L
RT: 10.267 min Scan# 2791
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

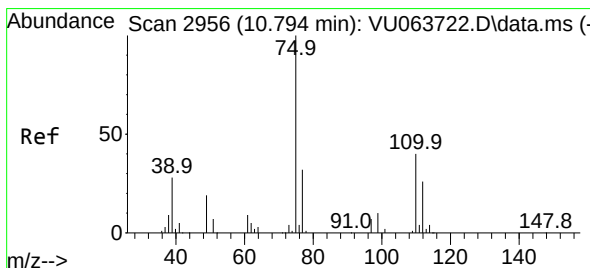
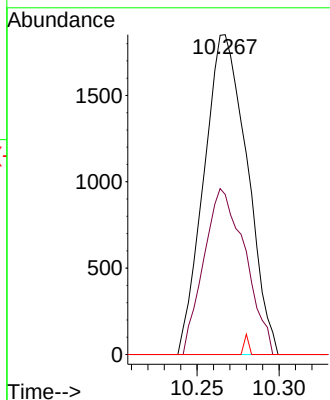
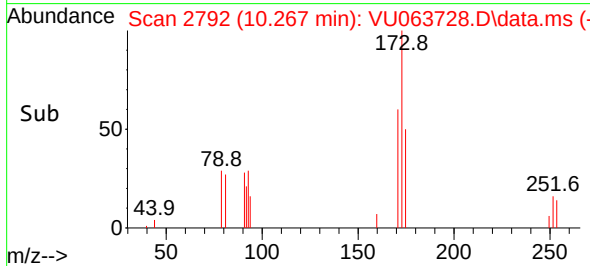
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07



Tgt Ion:173 Resp: 3382
Ion Ratio Lower Upper
173 100
175 49.9 38.2 57.4
254 0.0 6.9 10.3

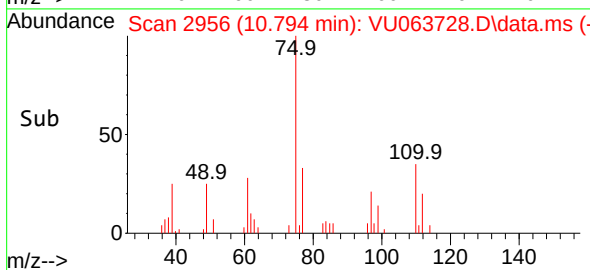
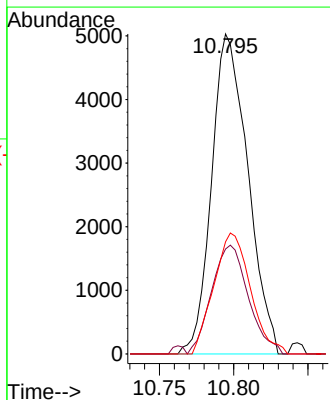
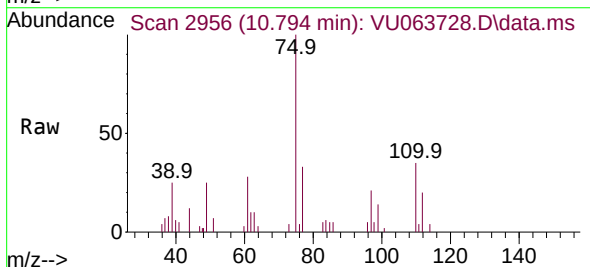
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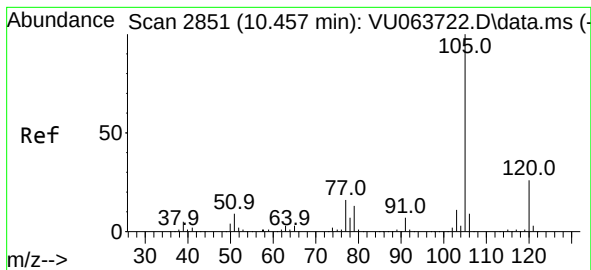
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#60
1,2,3-Trichloropropane
Concen: 2.486 ug/L
RT: 10.794 min Scan# 2956
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion: 75 Resp: 8528
Ion Ratio Lower Upper
75 100
77 34.5 26.1 39.1
110 38.2 32.3 48.5





#61

Isopropylbenzene

Concen: 2.254 ug/L

RT: 10.460 min Scan# 2851

Delta R.T. 0.003 min

Lab File: VU063728.D

Acq: 17 Nov 2025 15:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2025-07

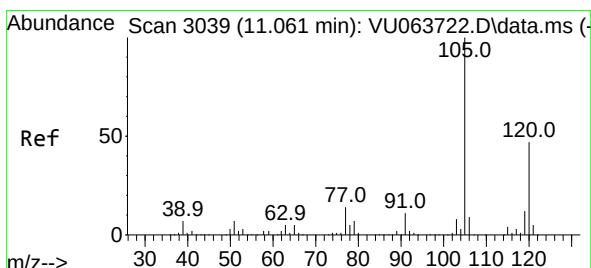
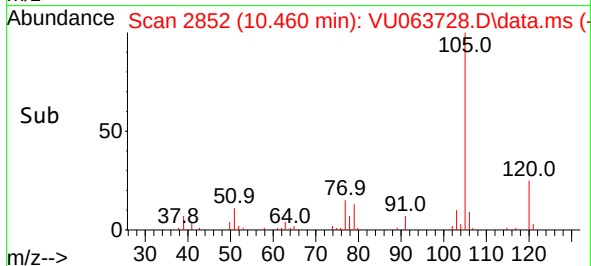
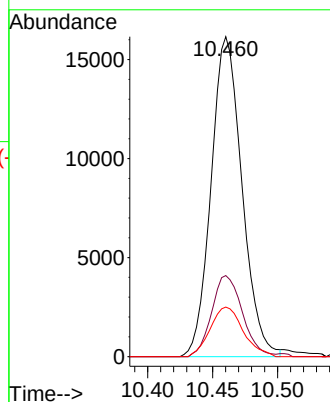
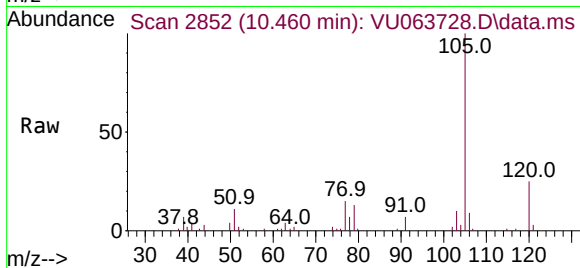
Tgt Ion:105	Resp:	26720
Ion Ratio	Lower	Upper
105	100	
120	25.2	20.7 31.1
77	16.5	12.9 19.3

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Reviewed By :Amit Patel 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025



#62

1,3,5-Trimethylbenzene

Concen: 2.226 ug/L

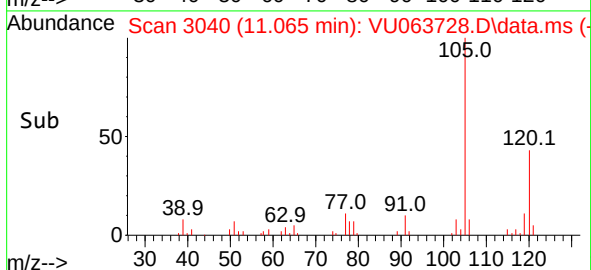
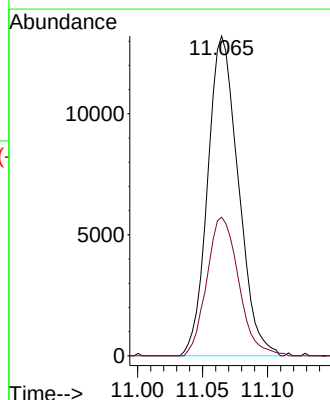
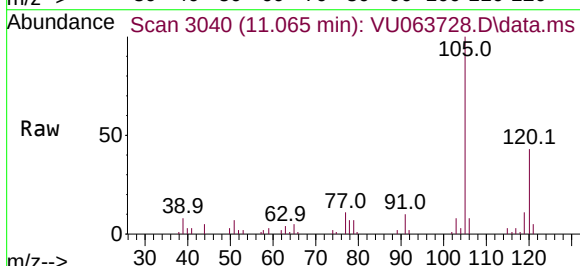
RT: 11.065 min Scan# 3040

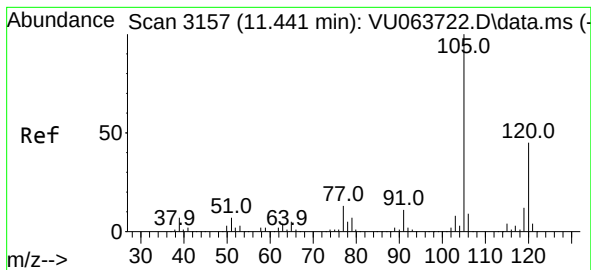
Delta R.T. 0.003 min

Lab File: VU063728.D

Acq: 17 Nov 2025 15:32

Tgt Ion:105	Resp:	21709
Ion Ratio	Lower	Upper
105	100	
120	45.1	37.8 56.6





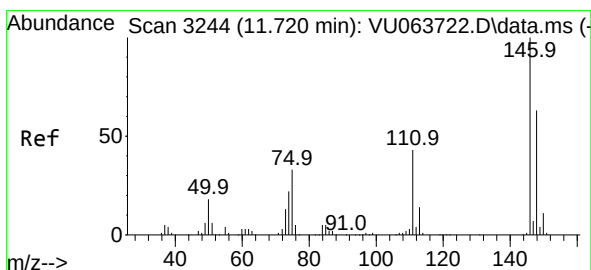
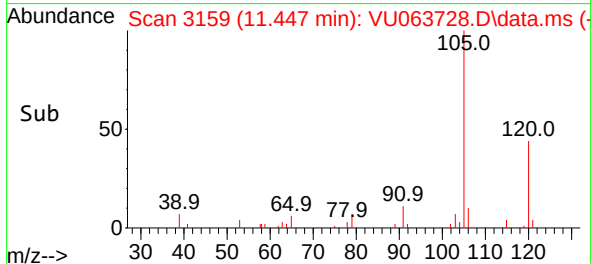
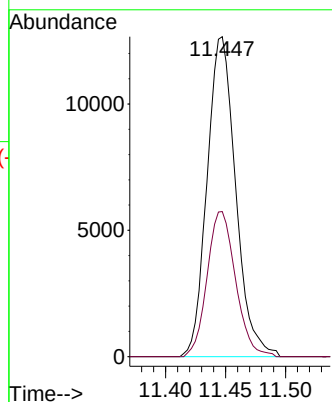
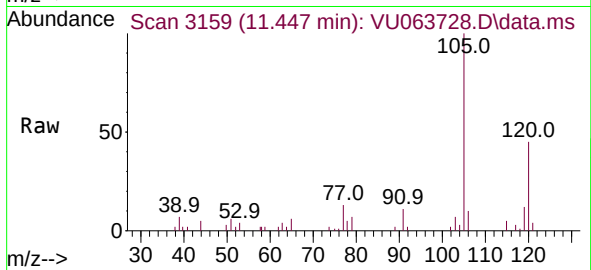
#63
1,2,4-Trimethylbenzene
Concen: 2.258 ug/L
RT: 11.447 min Scan# 3157
Delta R.T. 0.007 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07

Tgt Ion:105 Resp: 21018
Ion Ratio Lower Upper
105 100
120 45.1 35.6 53.4

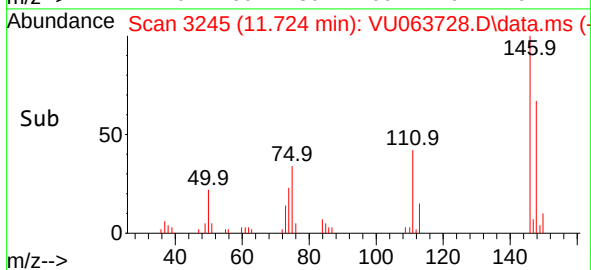
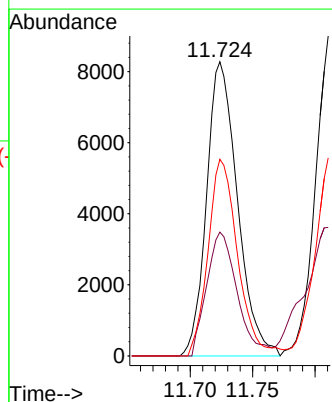
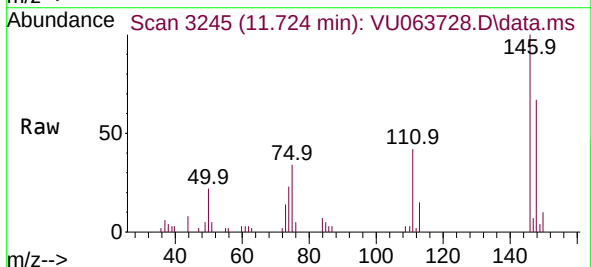
Manual Integrations
APPROVED

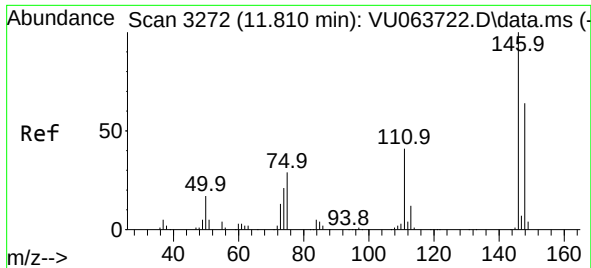
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#64
1,3-Dichlorobenzene
Concen: 2.676 ug/L
RT: 11.724 min Scan# 3245
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

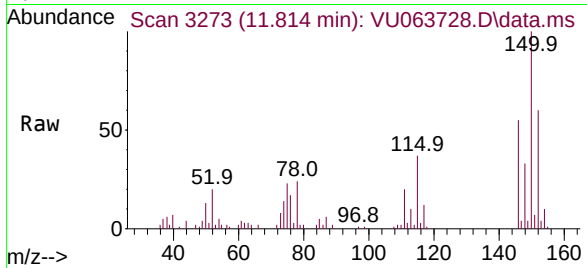
Tgt Ion:146 Resp: 14226
Ion Ratio Lower Upper
146 100
111 42.1 29.8 55.3
148 66.8 44.4 82.4





#65
1,4-Dichlorobenzene
Concen: 3.043 ug/L
RT: 11.814 min Scan# 3273
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

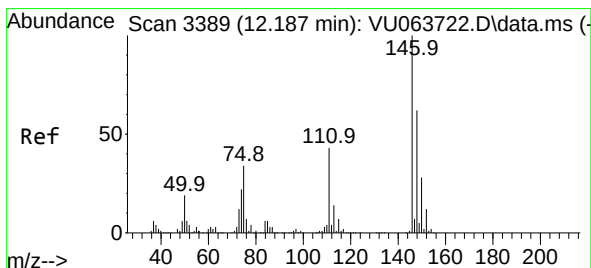
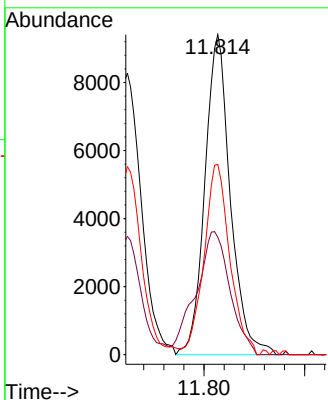
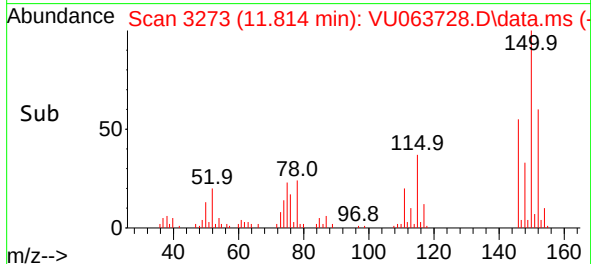
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07



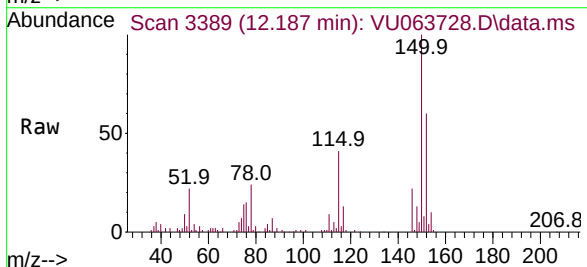
Tgt Ion:146 Resp: 16568
Ion Ratio Lower Upper
146 100
111 38.5 28.8 53.4
148 61.6 44.9 83.3

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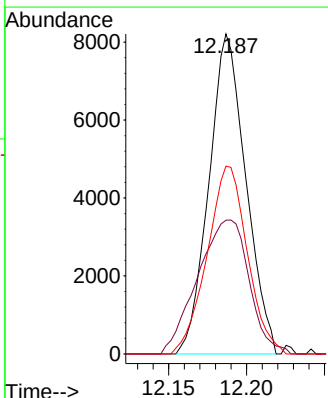
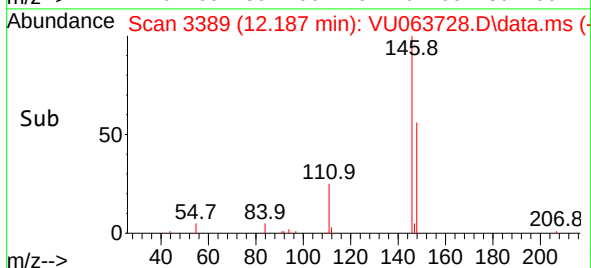
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

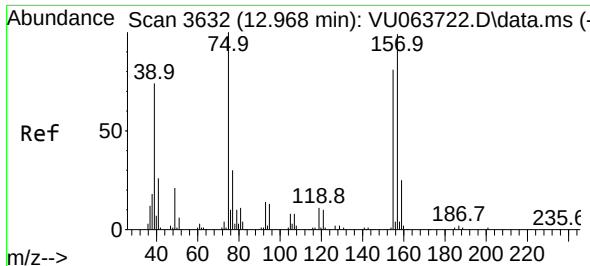


#67
1,2-Dichlorobenzene
Concen: 2.619 ug/L
RT: 12.187 min Scan# 3389
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32



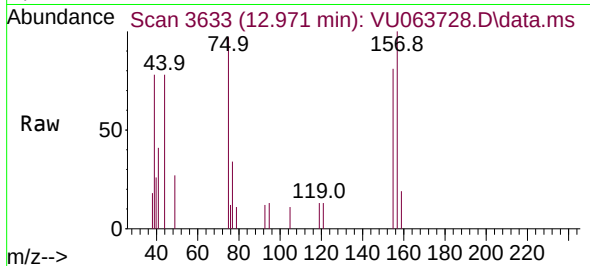
Tgt Ion:146 Resp: 13498
Ion Ratio Lower Upper
146 100
111 41.8 34.2 51.4
148 58.7 49.6 74.4





#68
1,2-Dibromo-3-chloropropane
Concen: 2.091 ug/L
RT: 12.971 min Scan# 3633
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

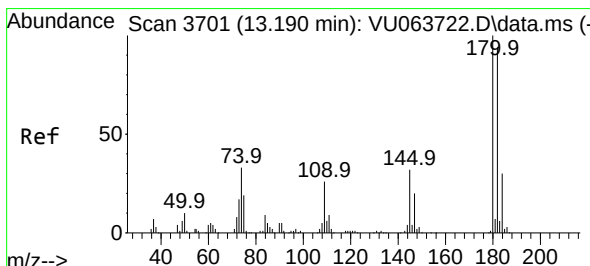
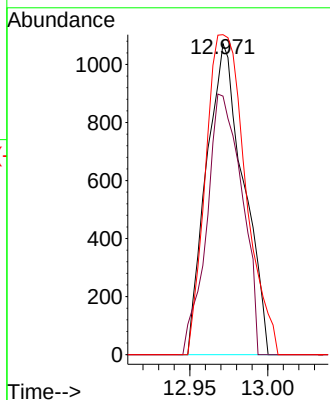
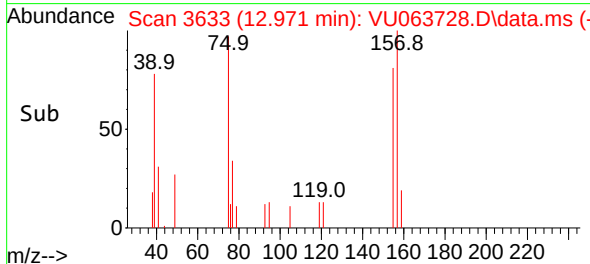
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2025-07



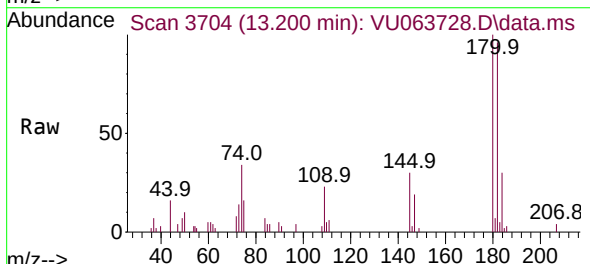
Tgt Ion: 75 Resp: 1771
Ion Ratio Lower Upper
75 100
155 83.1 64.6 97.0
157 102.9 78.8 118.2

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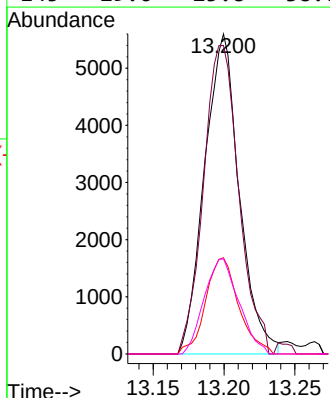
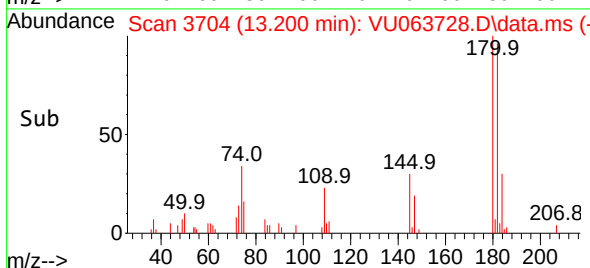
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

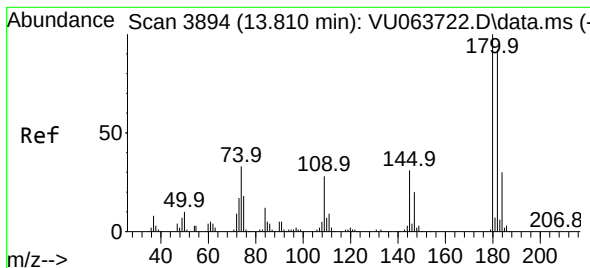


#69
1,3,5-Trichlorobenzene
Concen: 2.654 ug/L
RT: 13.200 min Scan# 3704
Delta R.T. 0.010 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32



Tgt Ion:180 Resp: 9534
Ion Ratio Lower Upper
180 100
182 98.0 76.4 114.6
184 28.6 24.4 36.6
145 29.6 25.8 38.6





#70

1,2,4-trichlorobenzene

Concen: 3.168 ug/L

RT: 13.817 min Scan# 3896

Delta R.T. 0.006 min

Lab File: VU063728.D

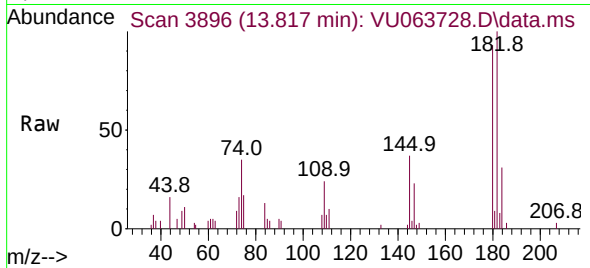
Acq: 17 Nov 2025 15:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2025-07



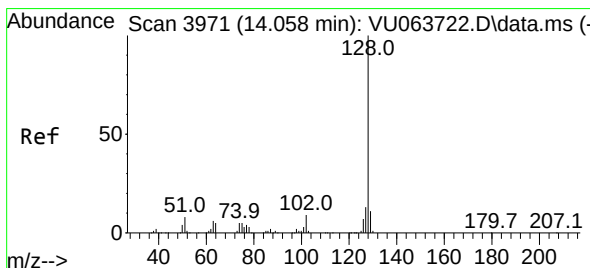
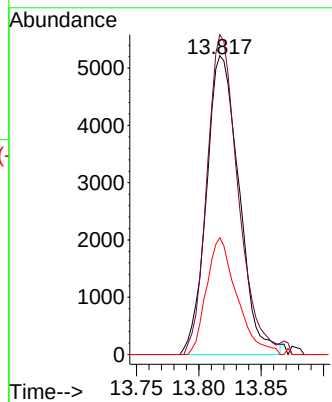
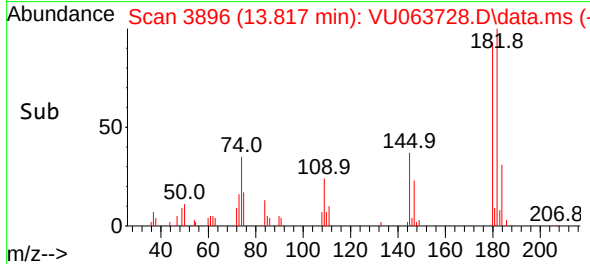
Tgt Ion:	180	Resp:	949
Ion Ratio	Lower	Upper	
180	100		
182	101.6	75.8	113.8
145	36.2	25.7	38.5

Manual Integrations

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Reviewed By :Amit Patel 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025



#71

Naphthalene

Concen: 4.102 ug/L

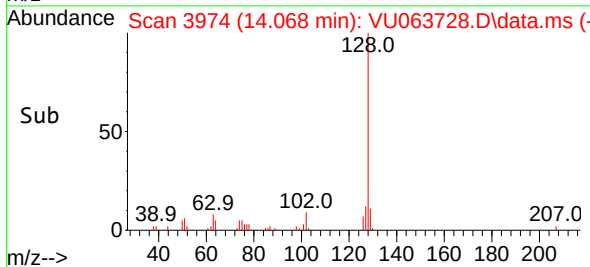
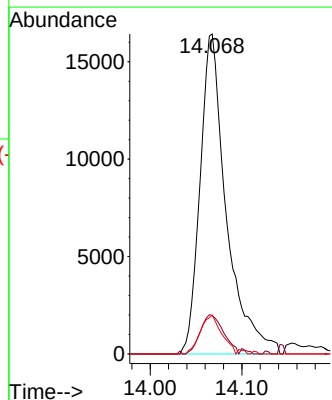
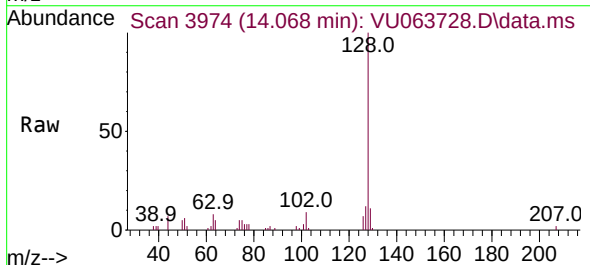
RT: 14.068 min Scan# 3974

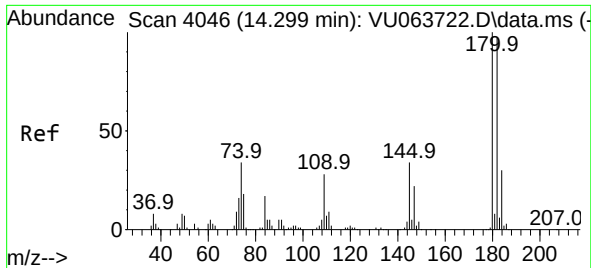
Delta R.T. 0.010 min

Lab File: VU063728.D

Acq: 17 Nov 2025 15:32

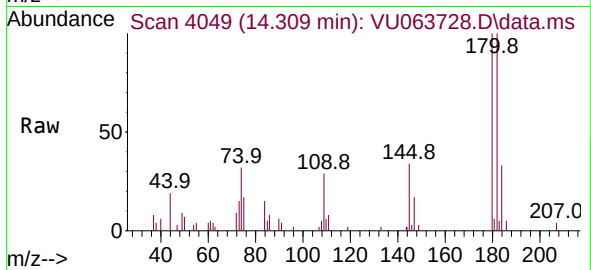
Tgt Ion:	128	Resp:	32697
Ion Ratio	Lower	Upper	
128	100		
127	10.8	10.3	15.5
129	9.8	8.7	13.1





#72
 1,2,3-Trichlorobenzene
 Concen: 3.344 ug/L
 RT: 14.309 min Scan# 4046
 Delta R.T. 0.010 min
 Lab File: VU063728.D
 Acq: 17 Nov 2025 15:32

Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-QT4-2025-07



Tgt Ion:180 Resp: 9494
 Ion Ratio Lower Upper
 180 100
 182 97.4 76.9 115.3
 145 30.9 26.6 39.8

Manual Integrations
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Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

