

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092225\
 Data File : VU063620.D
 Acq On : 22 Sep 2025 15:32
 Operator : MD/SY
 Sample : Q2899-01
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2025-05

Quant Time: Sep 23 05:55:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 23 05:35:07 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/24/2025
 Supervised By :Semsettin Yesilyurt 09/24/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	247372	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	234658	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	109960	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	79570	47.957	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.920%		
7) Chloroethane-d5	1.891	69	71388	50.572	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	101.140%		
11) 1,1-Dichloroethene-d2	2.550	63	107241	36.170	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	72.340%		
21) 2-Butanone-d5	4.615	46	114282	99.827	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.830%		
24) Chloroform-d	5.045	84	145781	46.959	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.920%		
26) 1,2-Dichloroethane-d4	5.685	65	101203	50.036	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.080%		
32) Benzene-d6	5.711	84	290103	51.616	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.240%		
36) 1,2-Dichloropropane-d6	6.676	67	96321	52.459	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	104.920%		
41) Toluene-d8	7.888	98	263214	49.833	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.660%		
43) trans-1,3-Dichloroprop...	8.171	79	29849	44.883	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.760%		
47) 2-Hexanone-d5	8.624	63	66993	99.575	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.580%		
56) 1,1,2,2-Tetrachloroeth...	10.746	84	137889	48.771	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.540%		
66) 1,2-Dichlorobenzene-d4	12.183	152	97015	52.501	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	2712	2.037	ug/L	97
3) Chloromethane	1.515	50	4116	2.398	ug/L	100
5) Vinyl chloride	1.595	62	5107	2.500	ug/L #	77
6) Bromomethane	1.830	94	3276	2.531	ug/L	90
8) Chloroethane	1.911	64	2988	2.159	ug/L	91
9) Trichlorofluoromethane	2.123	101	6205	2.085	ug/L	89
10) 1,1,2-Trichloro-1,2,2-...	2.560	101	4344	2.653	ug/L #	80
12) 1,1-Dichloroethene	2.567	96	3727	2.559	ug/L #	1
13) Acetone	2.621	43	5819	4.259	ug/L	92
14) Carbon disulfide	2.776	76	8109	2.146	ug/L	95
15) Methyl Acetate	2.956	43	3792m	1.871	ug/L	
16) Methylene chloride	3.030	84	6086	3.305	ug/L	91
17) trans-1,2-Dichloroethene	3.345	96	3145	2.005	ug/L	93
18) Methyl tert-butyl Ether	3.357	73	10253	2.021	ug/L	95
19) 1,1-Dichloroethane	3.859	63	6440m	2.017	ug/L	
20) cis-1,2-Dichloroethene	4.650	96	3732	2.032	ug/L	92
22) 2-Butanone	4.737	43	8112m	5.138	ug/L	
23) Bromochloromethane	4.965	128	1825m	1.897	ug/L	
25) Chloroform	5.068	83	8116	2.394	ug/L	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	6065	2.165	ug/L #	92
29) Cyclohexane	5.370	56	5839	2.117	ug/L #	92
30) 1,1,1-Trichloroethane	5.306	97	4828	1.871	ug/L #	80
31) Carbon tetrachloride	5.508	117	3706	1.813	ug/L	96
33) Benzene	5.763	78	15121m	2.219	ug/L	
34) Trichloroethene	6.534	95	4382	2.296	ug/L	96
35) Methylcyclohexane	6.743	83	6487m	2.381	ug/L	
37) 1,2-Dichloropropane	6.785	63	4258	2.256	ug/L #	88
38) Bromodichloromethane	7.097	83	3864	1.727	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	4915	2.003	ug/L	86
40) 4-Methyl-2-pentanone	7.785	43	12740m	4.685	ug/L	
42) Toluene	7.965	91	15105	2.022	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	4344m	2.085	ug/L	
45) 1,1,2-Trichloroethane	8.389	97	4061	2.217	ug/L	95
46) Tetrachloroethene	8.541	164	3232	2.325	ug/L	89
48) 2-Hexanone	8.682	43	14579	7.087	ug/L #	81
49) Dibromochloromethane	8.801	129	2588	1.578	ug/L	90
50) 1,2-Dibromoethane	8.914	107	3759	1.981	ug/L #	95
51) Chlorobenzene	9.438	112	10640	2.152	ug/L	97
52) Ethylbenzene	9.563	91	16836	2.038	ug/L	96
53) m,p-Xylene	9.692	106	5915	1.919	ug/L	97
54) o-Xylene	10.097	106	5691	1.853	ug/L	100
55) Styrene	10.116	104	9436m	1.880	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.772	83	7213	2.330	ug/L	93
59) Bromoform	10.283	173	1902	1.776	ug/L #	92
60) 1,2,3-Trichloropropane	10.814	75	5816	2.509	ug/L	94
61) Isopropylbenzene	10.476	105	15094	2.013	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	12354	2.003	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	11827	1.978	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	7896	2.310	ug/L	95
65) 1,4-Dichlorobenzene	11.830	146	8281	2.395	ug/L	93
67) 1,2-Dichlorobenzene	12.206	146	7982	2.375	ug/L	92
68) 1,2-Dibromo-3-chloropr...	13.000	75	992m	1.908	ug/L	
69) 1,3,5-Trichlorobenzene	13.222	180	5269	2.205	ug/L	96
70) 1,2,4-trichlorobenzene	13.846	180	4093	2.075	ug/L	97
71) Naphthalene	14.097	128	13332	2.487	ug/L #	88
72) 1,2,3-Trichlorobenzene	14.331	180	4070	2.152	ug/L	95

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

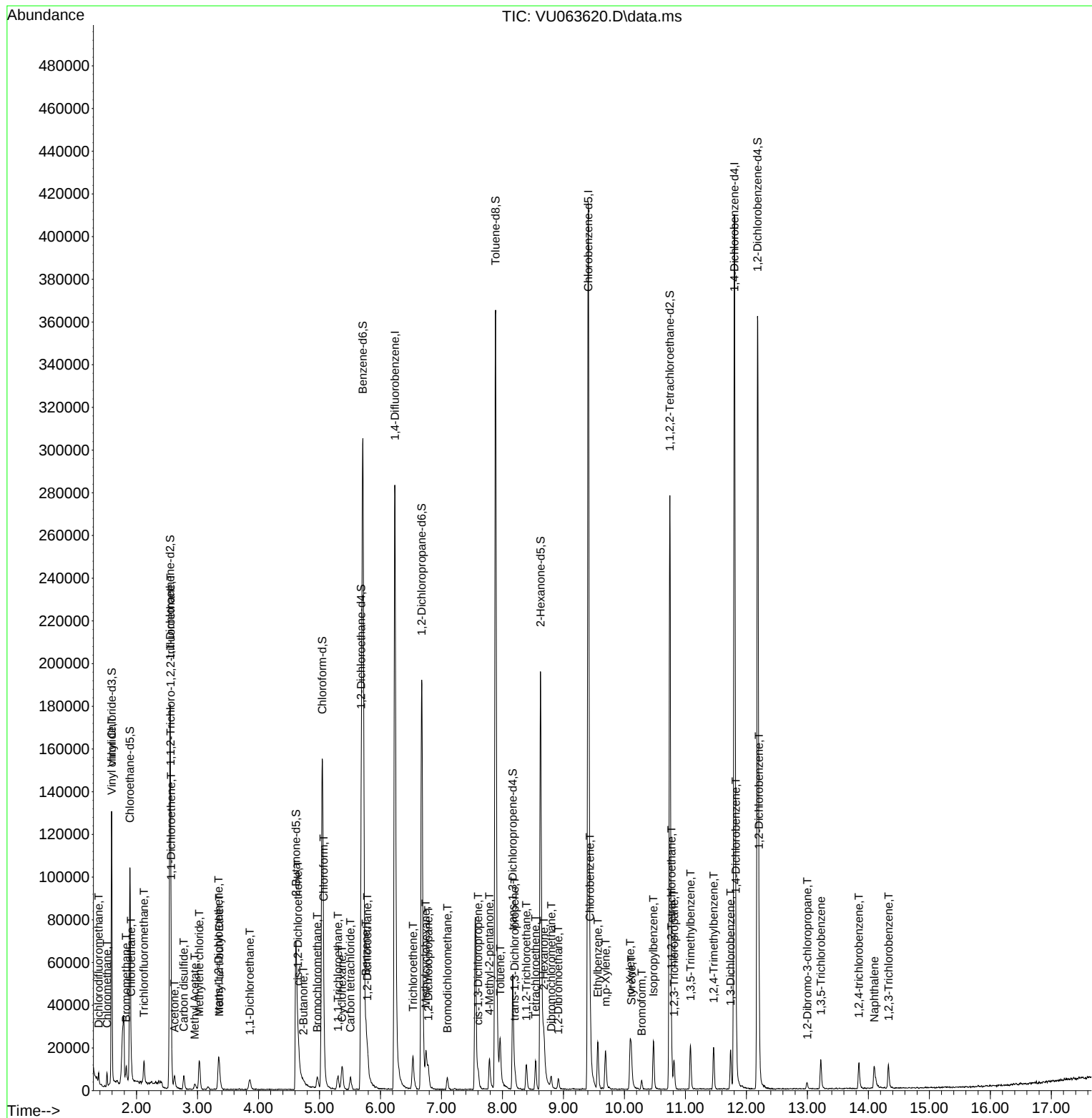
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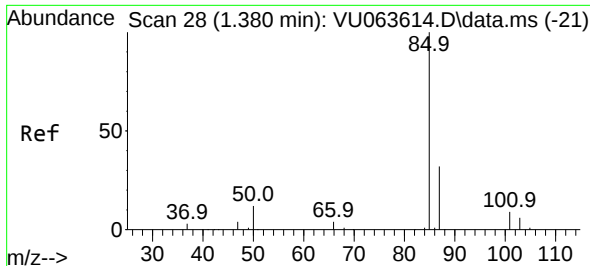
Instrument :
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ClientSampleId :
MDL-WATER-QT3-2025-05

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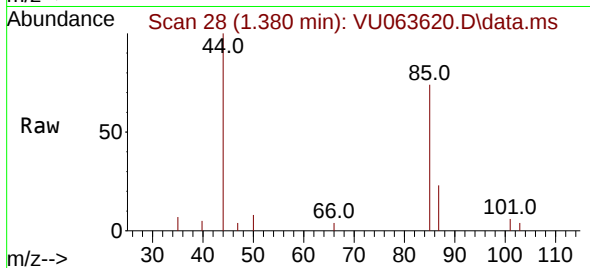
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025





#2
Dichlorodifluoromethane
Concen: 2.037 ug/L
RT: 1.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

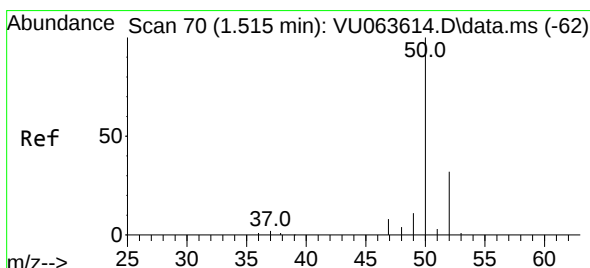
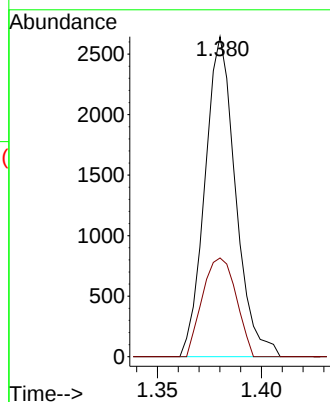
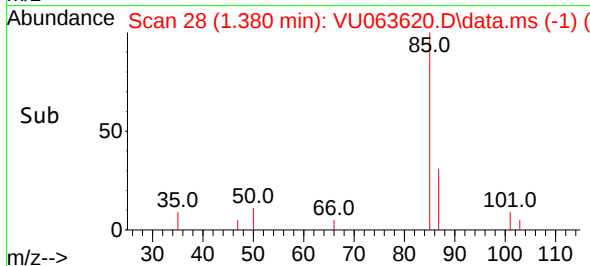
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ClientSampleId :
MDL-WATER-QT3-2025-05



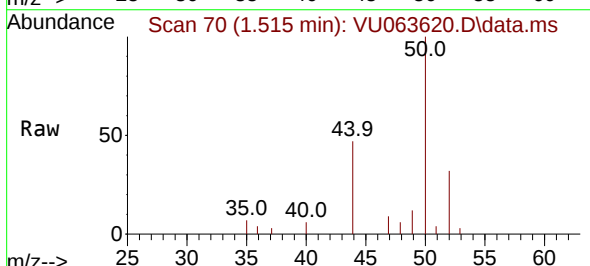
Tgt Ion: 85 Resp: 271
Ion Ratio Lower Upper
85 100
87 33.8 25.5 38.3

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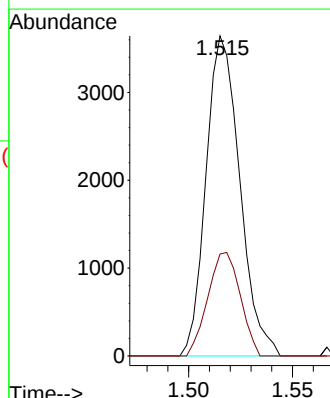
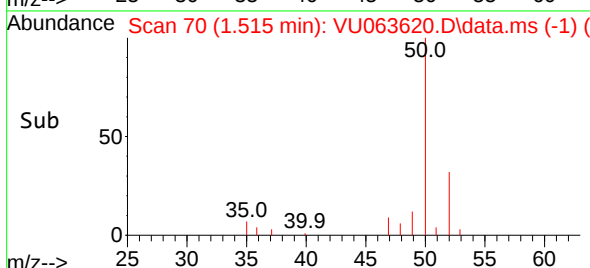
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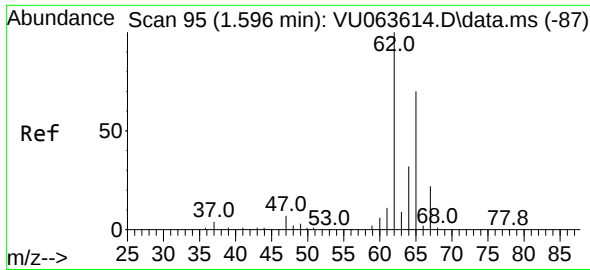


#3
Chloromethane
Concen: 2.398 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32



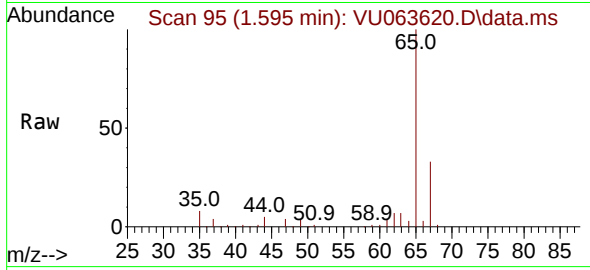
Tgt Ion: 50 Resp: 4116
Ion Ratio Lower Upper
50 100
52 31.8 22.2 41.2





#5
Vinyl chloride
Concen: 2.500 ug/L
RT: 1.595 min Scan# 90
Delta R.T. -0.000 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

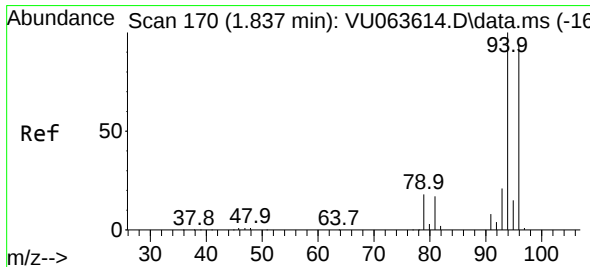
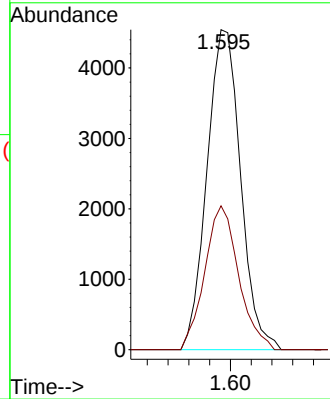
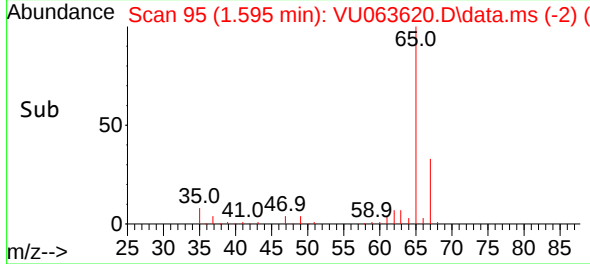
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05



Tgt Ion: 62 Resp: 510
Ion Ratio Lower Upper
62 100
64 44.9 22.5 41.7

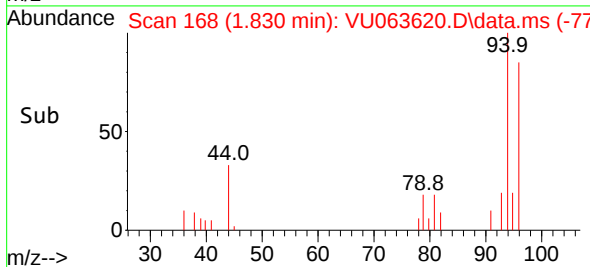
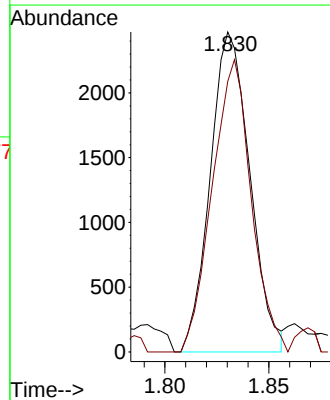
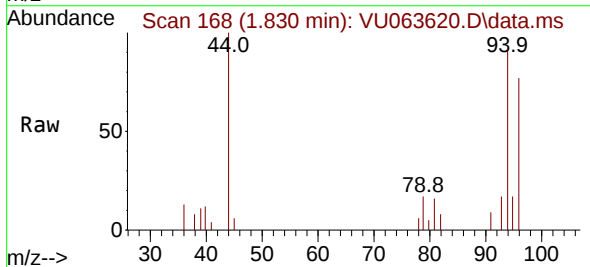
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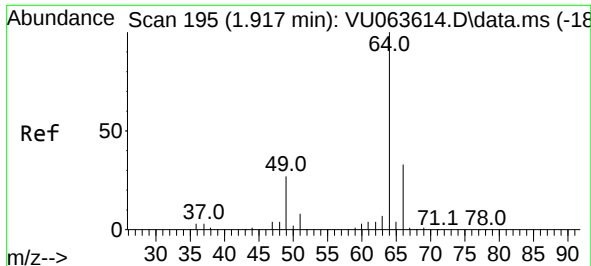
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#6
Bromomethane
Concen: 2.531 ug/L
RT: 1.830 min Scan# 168
Delta R.T. -0.007 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

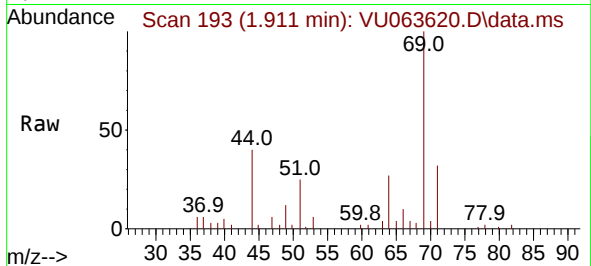
Tgt Ion: 94 Resp: 3276
Ion Ratio Lower Upper
94 100
96 84.5 65.7 122.1





#8
Chloroethane
Concen: 2.159 ug/L
RT: 1.911 min Scan# 195
Delta R.T. -0.007 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

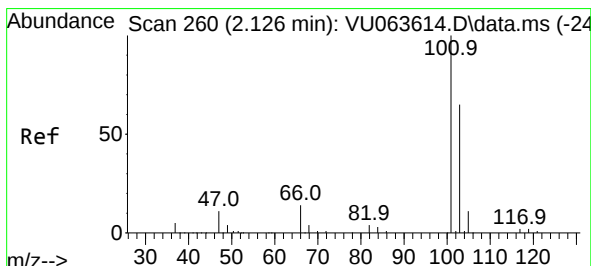
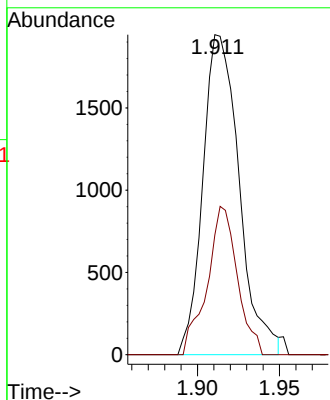
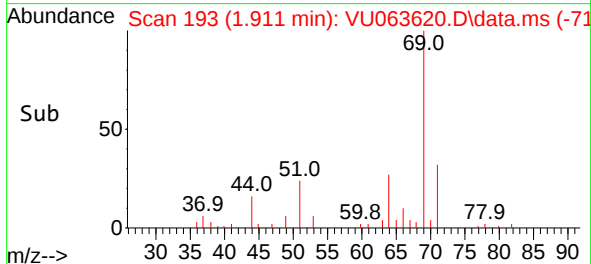
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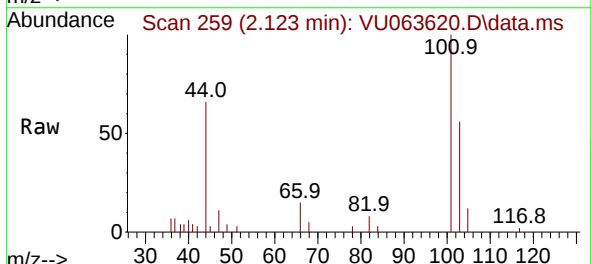
Tgt Ion: 64 Resp: 298
Ion Ratio Lower Upper
64 100
66 37.4 22.8 42.4

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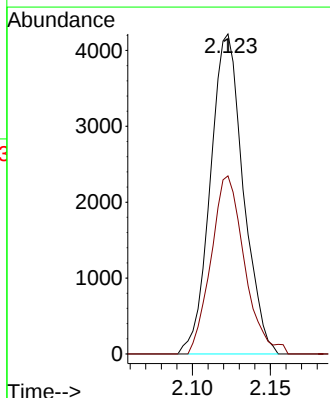
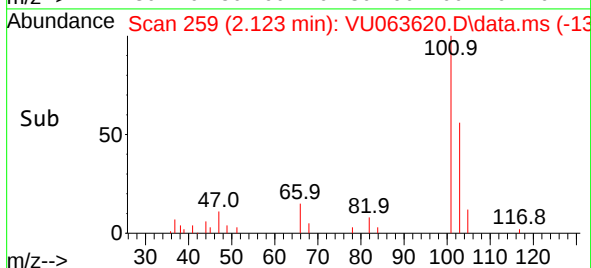
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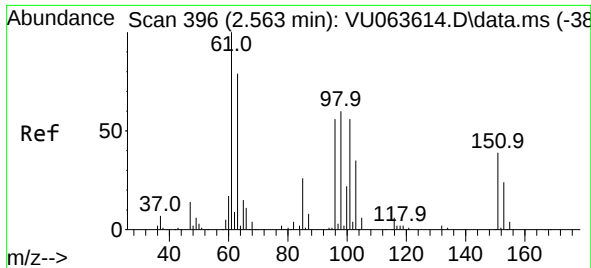


#9
Trichlorofluoromethane
Concen: 2.085 ug/L
RT: 2.123 min Scan# 259
Delta R.T. -0.003 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32



Tgt Ion:101 Resp: 6205
Ion Ratio Lower Upper
101 100
103 55.6 51.1 76.7





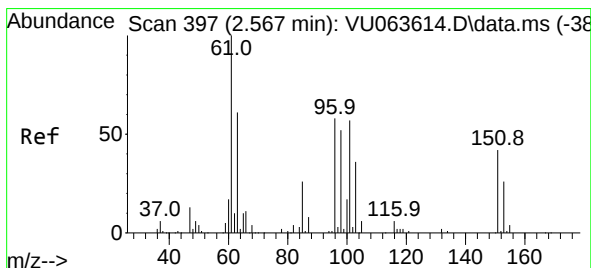
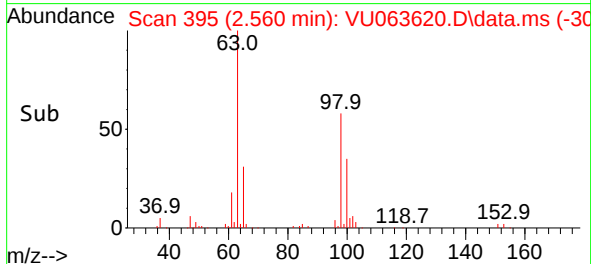
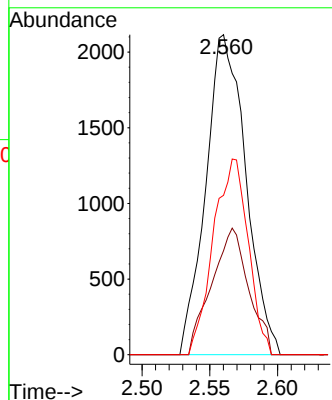
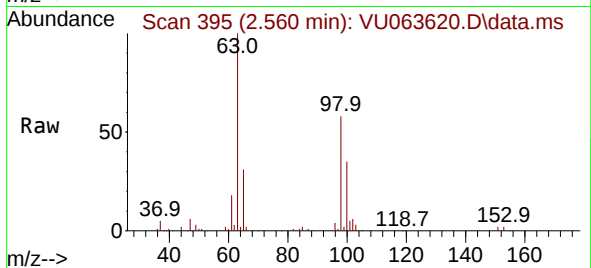
#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.653 ug/L
 RT: 2.560 min Scan# 396
 Delta R.T. -0.003 min
 Lab File: VU063620.D
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Tgt Ion: 101 Resp: 4344
 Ion Ratio Lower Upper
 101 100
 85 36.7 36.8 55.2
 151 53.2 58.0 87.0

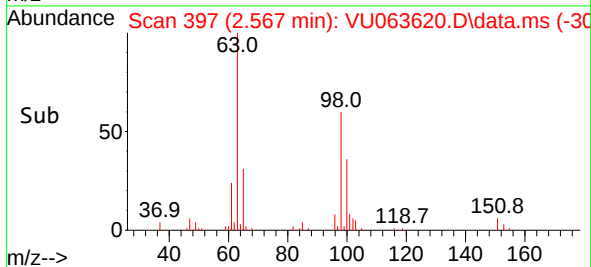
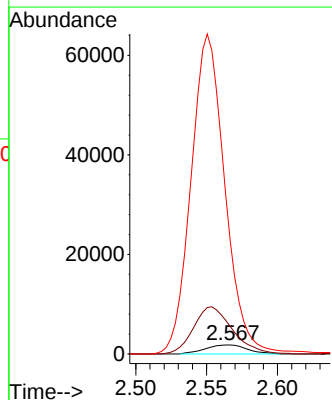
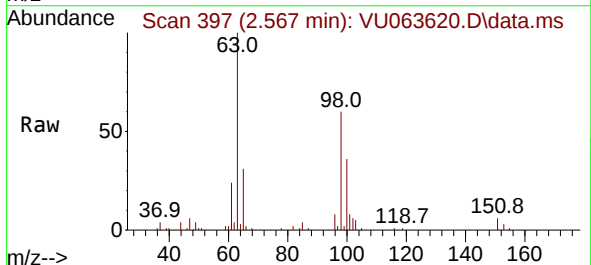
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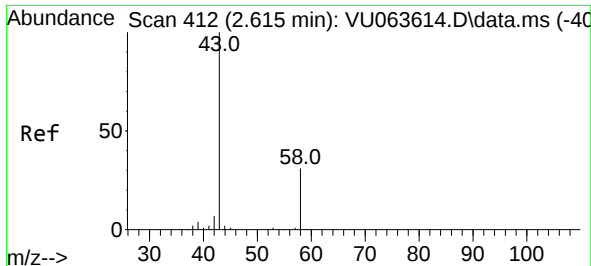
Reviewed By :Mahesh Dadoda 09/24/2025
 Supervised By :Semsettin Yesilyurt 09/24/2025



#12
 1,1-Dichloroethene
 Concen: 2.559 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.000 min
 Lab File: VU063620.D
 Acq: 22 Sep 2025 15:32

Tgt Ion: 96 Resp: 3727
 Ion Ratio Lower Upper
 96 100
 61 305.8 121.4 225.4#
 63 1259.2 81.5 151.3#





#13

Acetone

Concen: 4.259 ug/L

RT: 2.621 min Scan# 41

Delta R.T. 0.006 min

Lab File: VU063620.D

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Instrument :

MSVOA_U

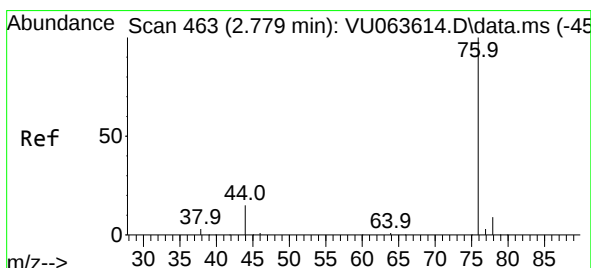
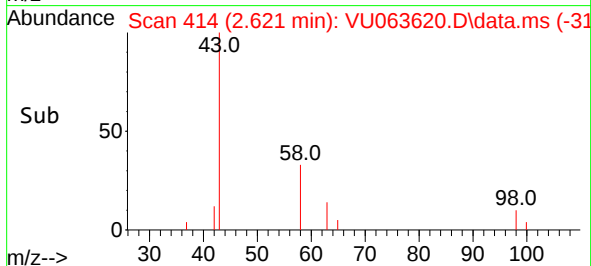
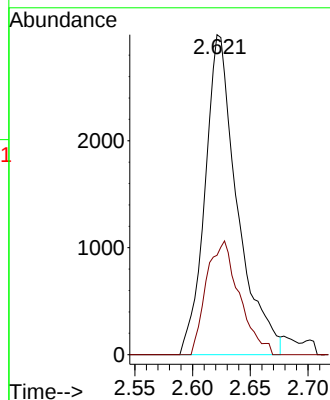
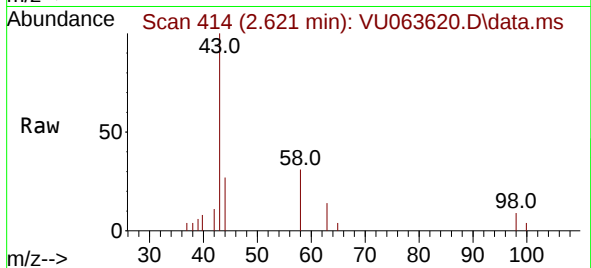
ClientSampleId :

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Tgt Ion: 43 Resp: 5819
 Ion Ratio Lower Upper
 43 100
 58 35.6 0.0 62.4

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#14

Carbon disulfide

Concen: 2.146 ug/L

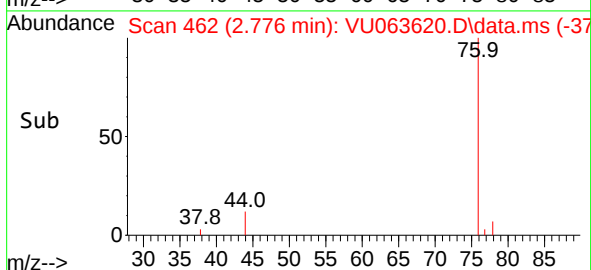
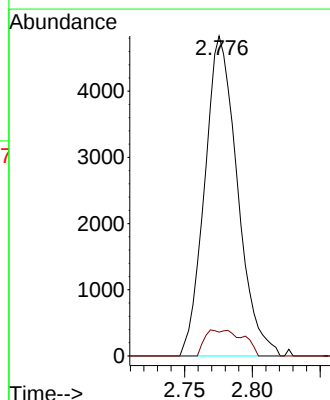
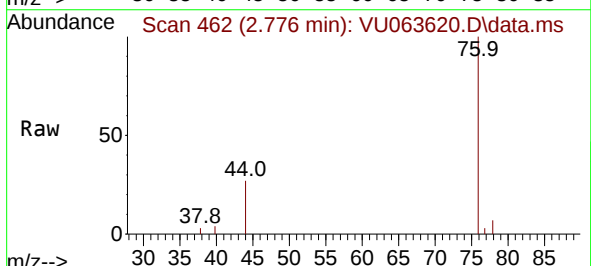
RT: 2.776 min Scan# 462

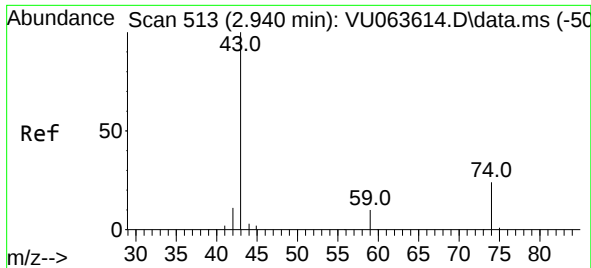
Delta R.T. -0.003 min

Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

Tgt Ion: 76 Resp: 8109
 Ion Ratio Lower Upper
 76 100
 78 7.5 7.4 11.2





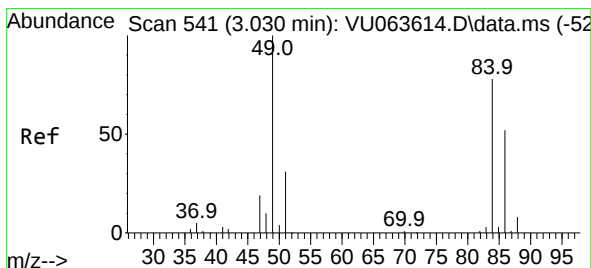
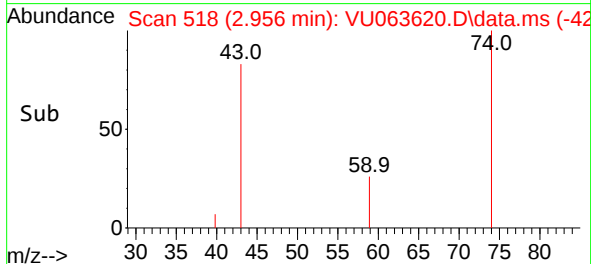
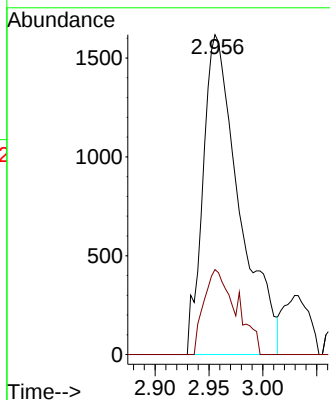
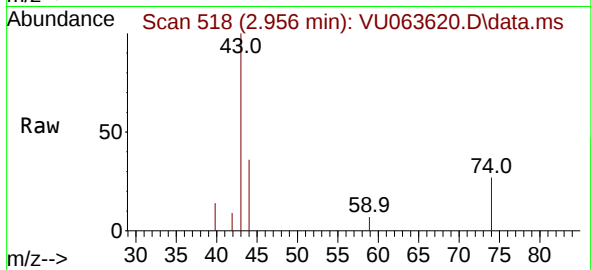
#15
Methyl Acetate
Concen: 1.871 ug/L m
RT: 2.956 min Scan# 513
Delta R.T. 0.016 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05

Tgt Ion: 43 Resp: 3792
Ion Ratio Lower Upper
43 100
74 18.7 18.0 27.0

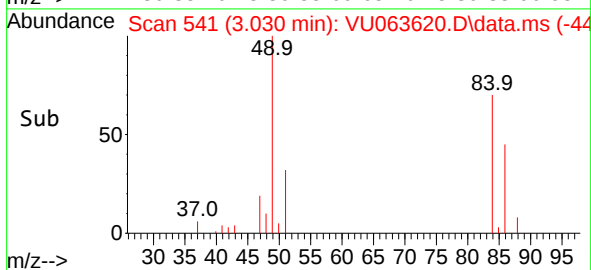
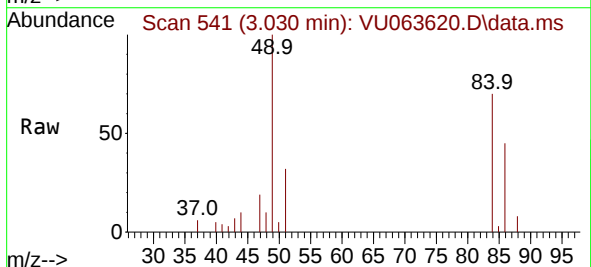
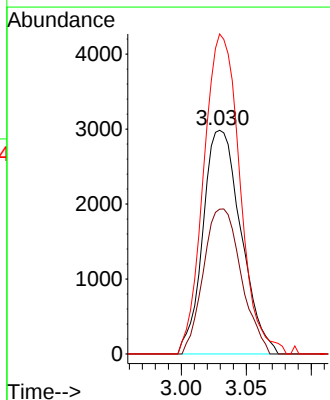
Manual Integrations
APPROVED

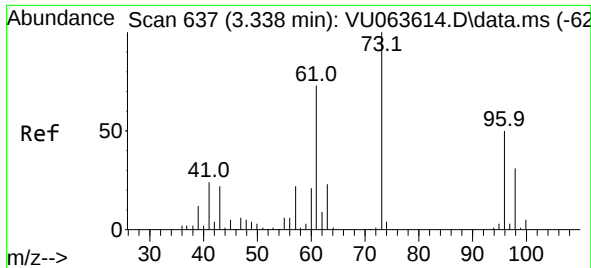
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#16
Methylene chloride
Concen: 3.305 ug/L
RT: 3.030 min Scan# 541
Delta R.T. -0.000 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

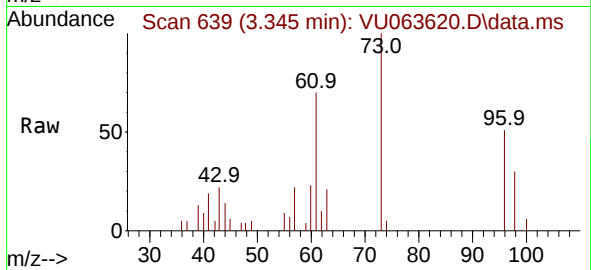
Tgt Ion: 84 Resp: 6086
Ion Ratio Lower Upper
84 100
86 64.7 47.2 87.6
49 143.1 90.2 167.4





#17
trans-1,2-Dichloroethene
Concen: 2.005 ug/L
RT: 3.345 min Scan# 614
Delta R.T. 0.006 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

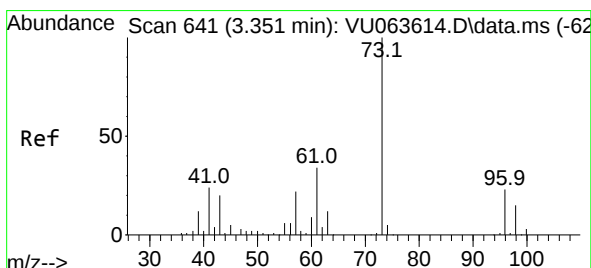
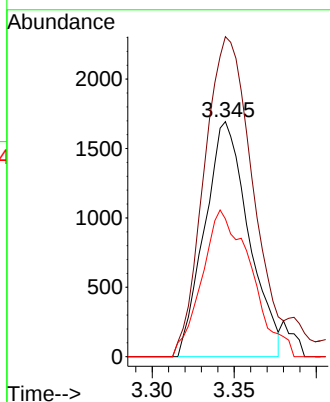
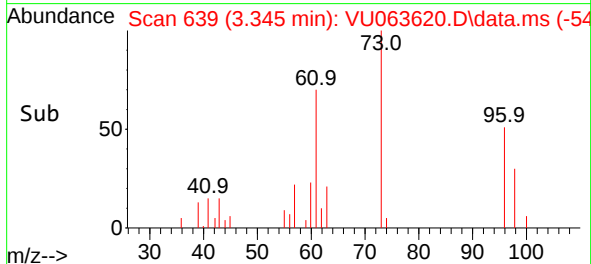
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2025-05



Tgt Ion: 96 Resp: 314
Ion Ratio Lower Upper
96 100
61 136.1 102.2 189.8
98 58.6 43.7 81.1

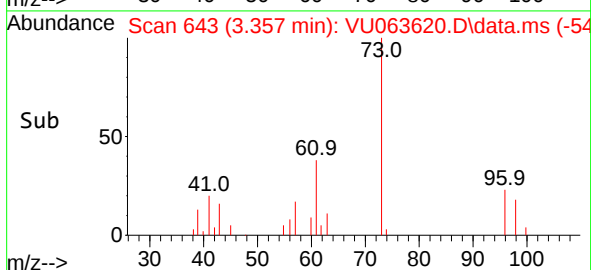
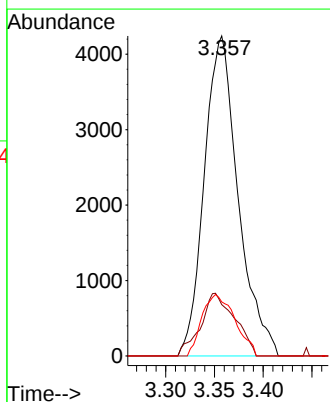
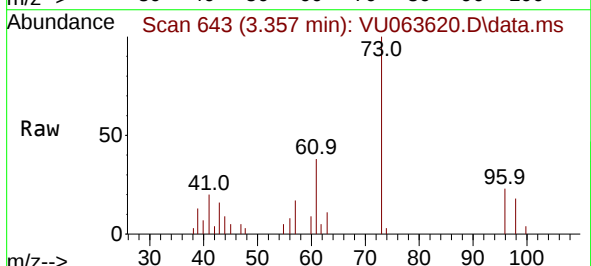
Manual Integrations
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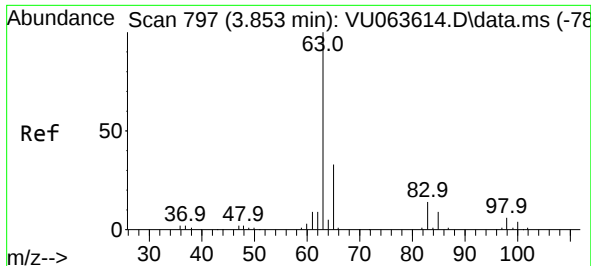
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#18
Methyl tert-butyl Ether
Concen: 2.021 ug/L
RT: 3.357 min Scan# 643
Delta R.T. 0.006 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

Tgt Ion: 73 Resp: 10253
Ion Ratio Lower Upper
73 100
43 19.8 16.5 24.7
57 18.8 17.8 26.6





#19

1,1-Dichloroethane

Concen: 2.017 ug/L m

RT: 3.859 min Scan# 797

Delta R.T. 0.006 min

Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

Instrument :

MSVOA_U

ClientSampleId :

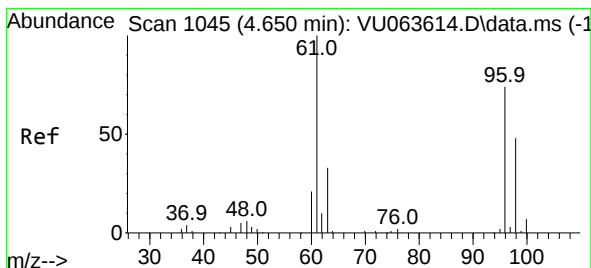
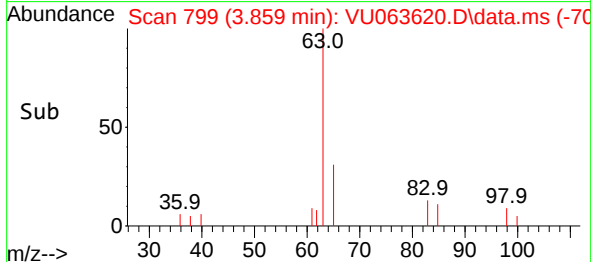
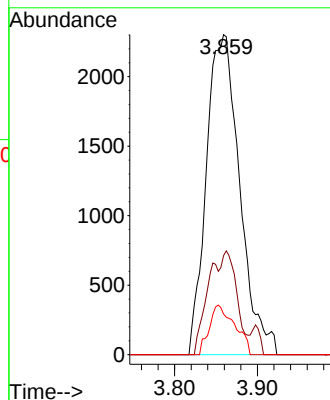
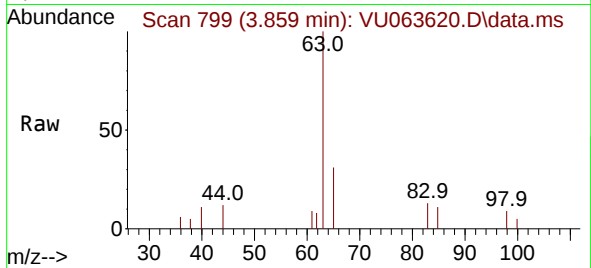
MDL-WATER-QT3-2025-05

Tgt Ion: 63	Resp: 6440
Ion Ratio	Lower Upper
63	100
65	31.0 23.0 42.8
83	12.7 9.7 17.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#20

cis-1,2-Dichloroethene

Concen: 2.032 ug/L

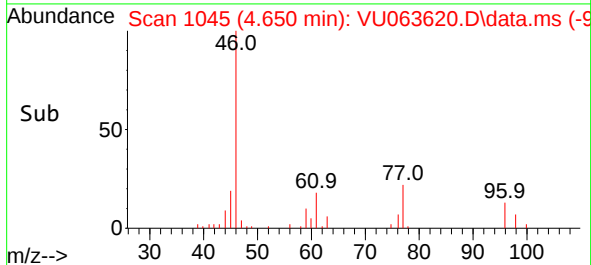
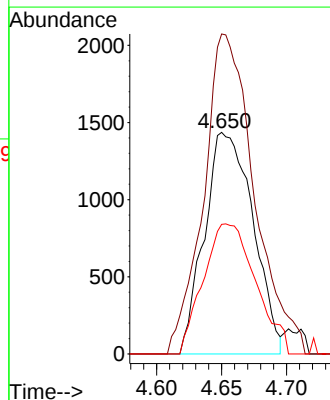
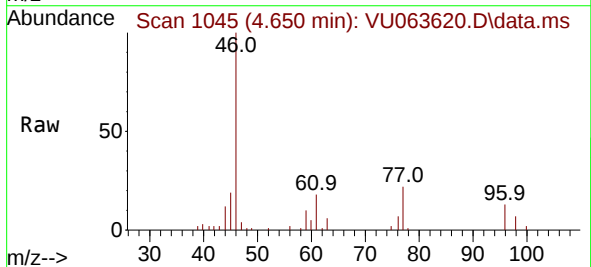
RT: 4.650 min Scan# 1045

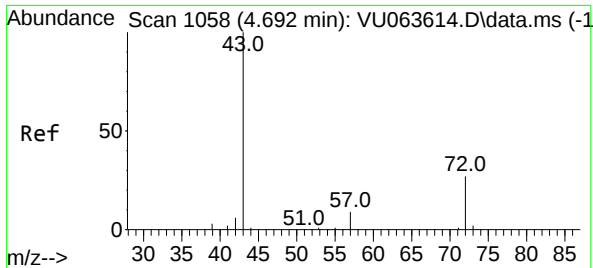
Delta R.T. -0.000 min

Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

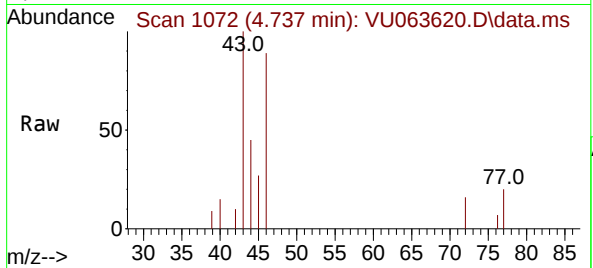
Tgt Ion: 96	Resp: 3732
Ion Ratio	Lower Upper
96	100
61	144.4 95.5 177.3
98	58.5 46.1 85.7





#22
2-Butanone
Concen: 5.138 ug/L m
RT: 4.737 min Scan# 1072
Delta R.T. 0.045 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

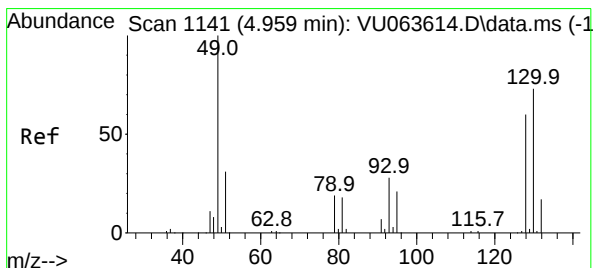
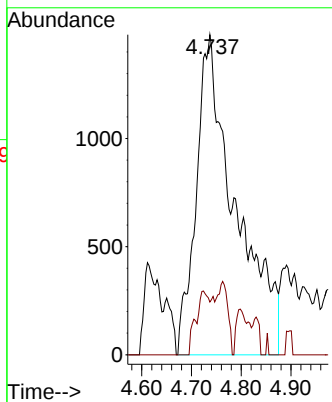
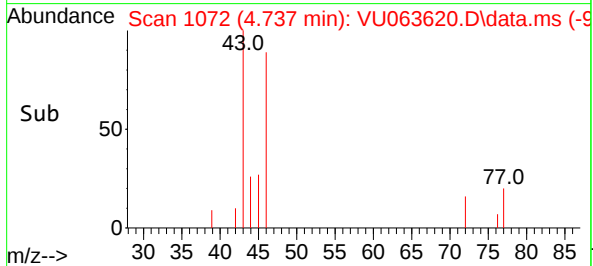
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05



Tgt Ion: 43 Resp: 811
Ion Ratio Lower Upper
43 100
72 2.7 12.7 38.1

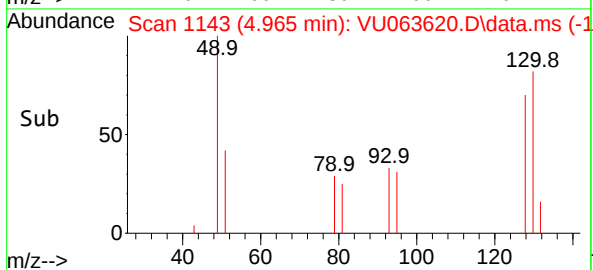
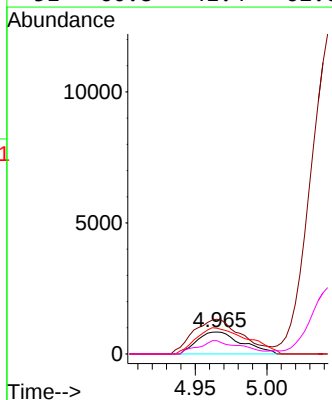
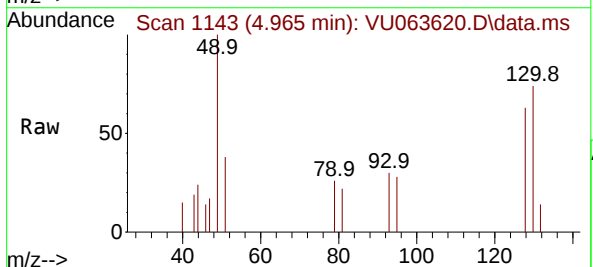
Manual Integrations
APPROVED

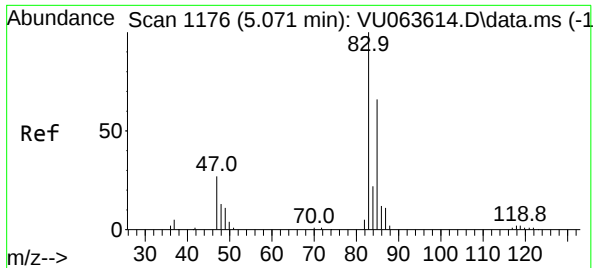
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#23
Bromochloromethane
Concen: 1.897 ug/L m
RT: 4.965 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

Tgt Ion:128 Resp: 1825
Ion Ratio Lower Upper
128 100
49 158.5 116.6 216.5
130 117.7 85.6 159.0
51 60.8 41.4 62.0





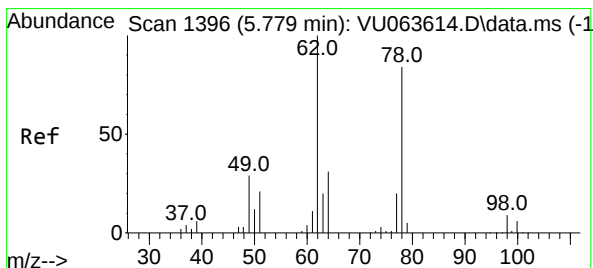
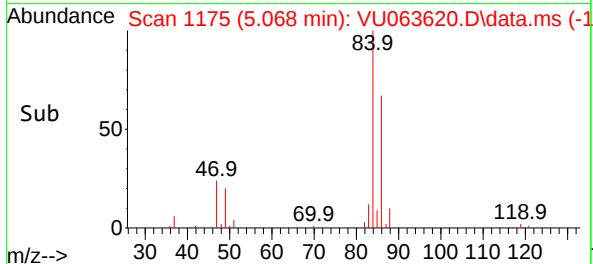
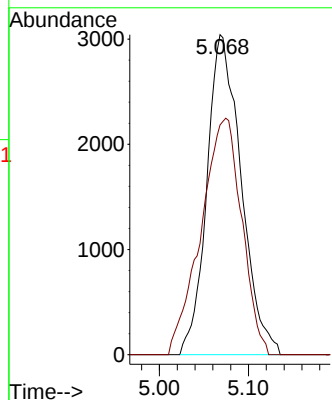
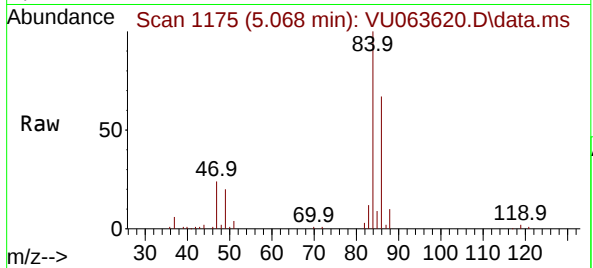
#25
Chloroform
Concen: 2.394 ug/L
RT: 5.068 min Scan# 1175
Delta R.T. -0.003 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2025-05

Tgt Ion: 83 Resp: 8110
Ion Ratio Lower Upper
83 100
85 71.8 46.1 85.7

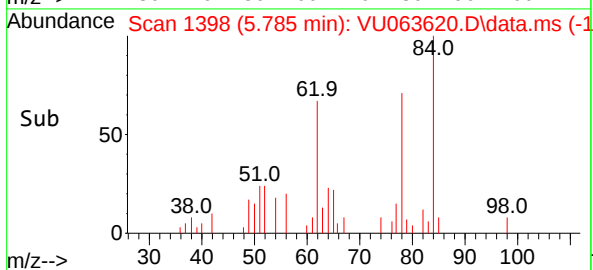
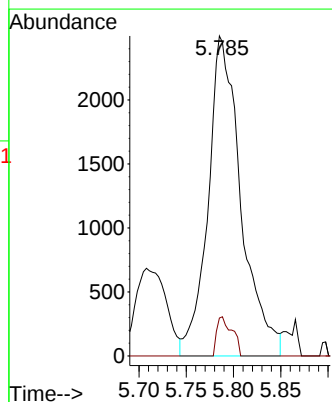
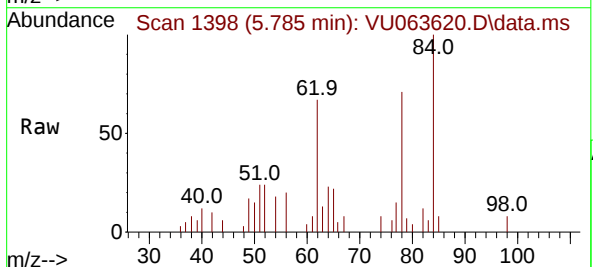
Manual Integrations
APPROVED

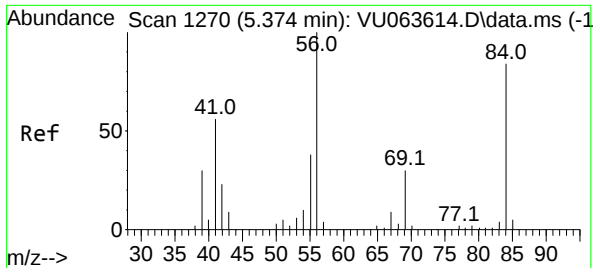
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#27
1,2-Dichloroethane
Concen: 2.165 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

Tgt Ion: 62 Resp: 6065
Ion Ratio Lower Upper
62 100
98 11.8 7.1 10.7#





#29

Cyclohexane

Concen: 2.117 ug/L

RT: 5.370 min Scan# 1269

Delta R.T. -0.003 min

Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

Instrument :

MSVOA_U

ClientSampleId :

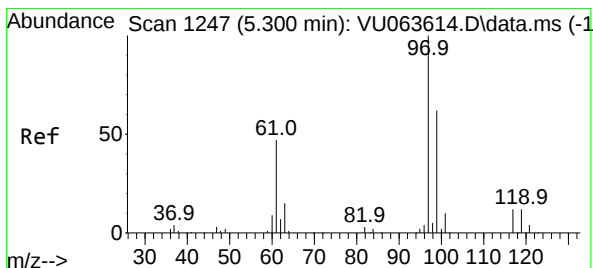
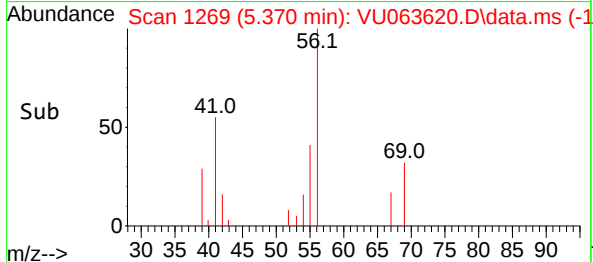
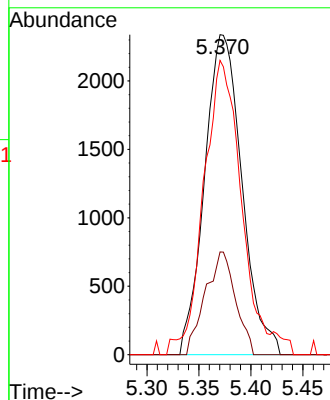
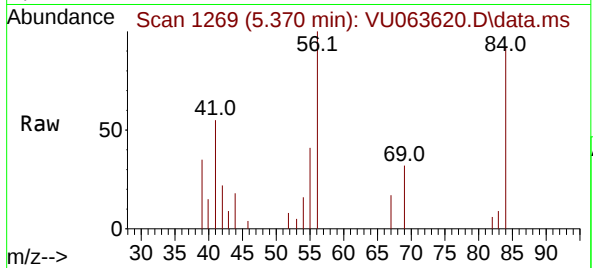
MDL-WATER-QT3-2025-05

Tgt Ion: 56	Resp: 5839
Ion Ratio	Lower Upper
56 100	
69 18.4	24.0 36.0
84 85.2	65.7 98.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#30

1,1,1-Trichloroethane

Concen: 1.871 ug/L

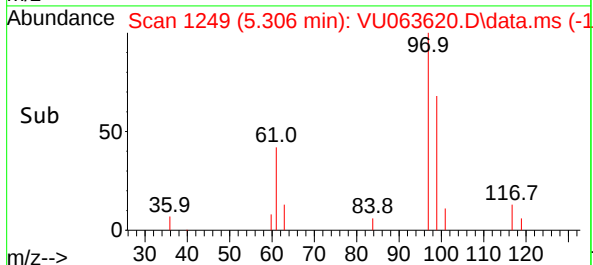
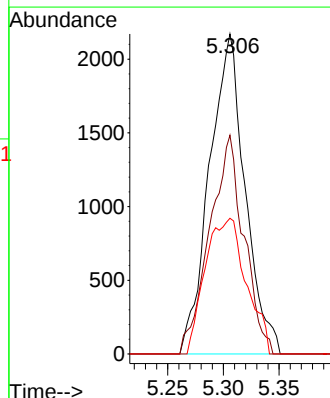
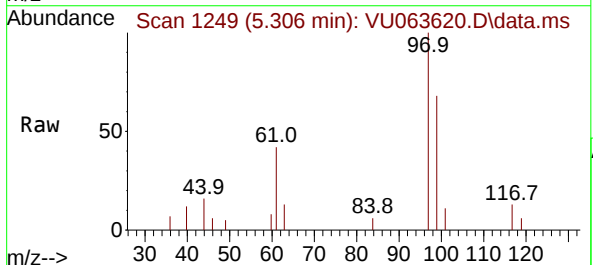
RT: 5.306 min Scan# 1249

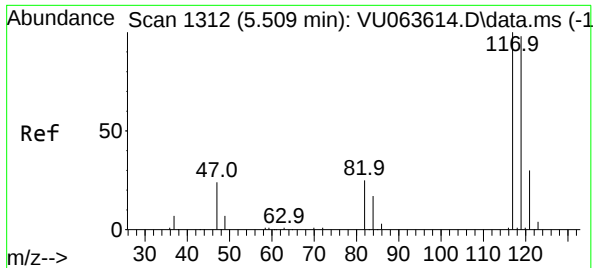
Delta R.T. 0.006 min

Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

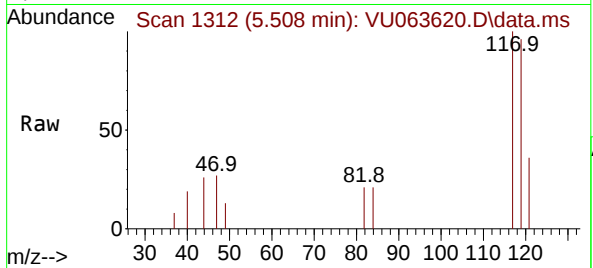
Tgt Ion: 97	Resp: 4828
Ion Ratio	Lower Upper
97 100	
99 65.8	50.6 75.8
61 19.8	38.0 57.0





#31
Carbon tetrachloride
Concen: 1.813 ug/L
RT: 5.508 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

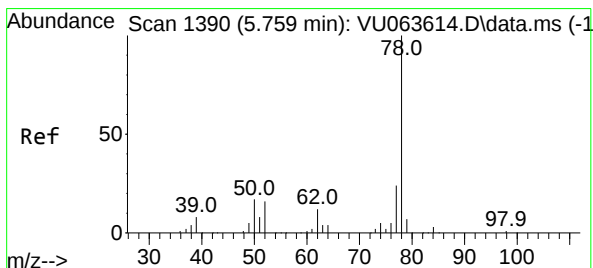
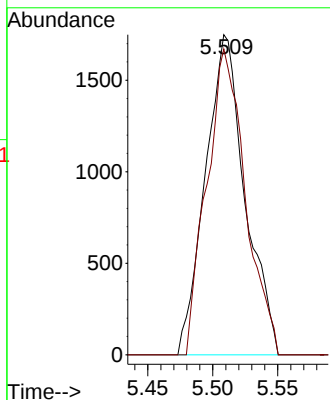
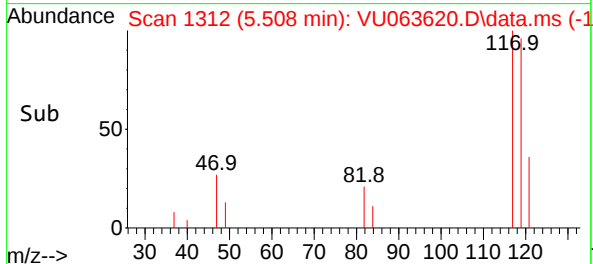
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05



Tgt Ion:117 Resp: 3700
Ion Ratio Lower Upper
117 100
119 93.2 77.8 116.6

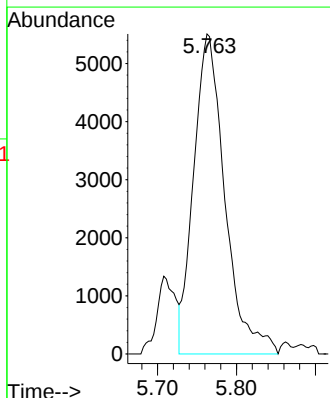
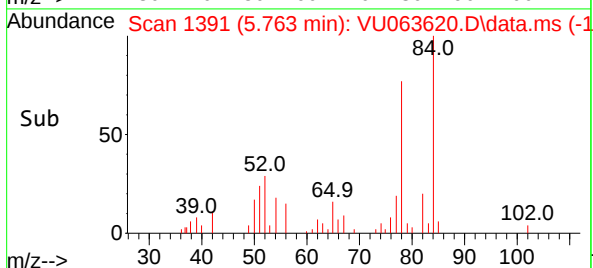
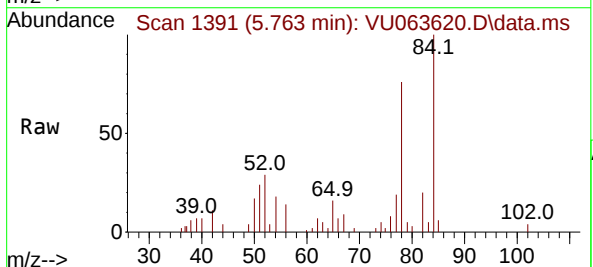
Manual Integrations
APPROVED

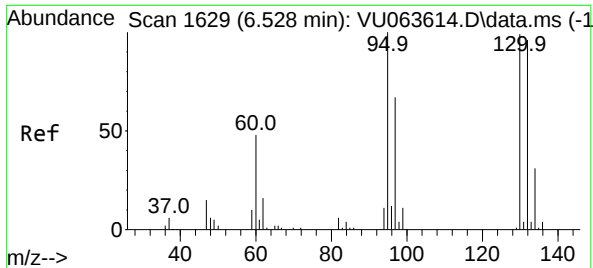
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#33
Benzene
Concen: 2.219 ug/L m
RT: 5.763 min Scan# 1391
Delta R.T. 0.003 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

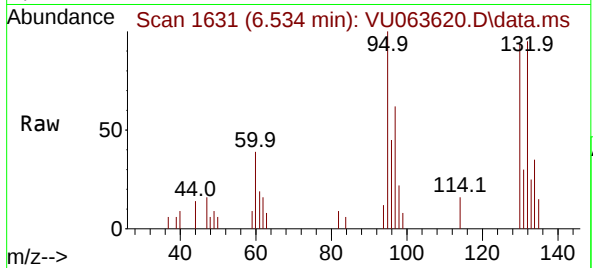
Tgt Ion: 78 Resp: 15121





#34
Trichloroethene
Concen: 2.296 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.006 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

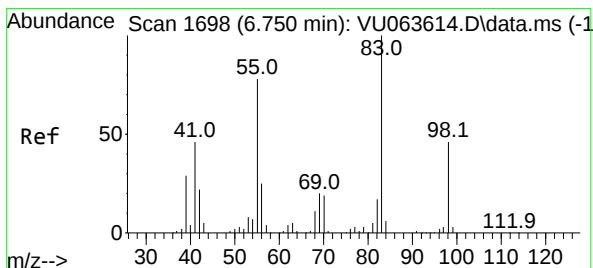
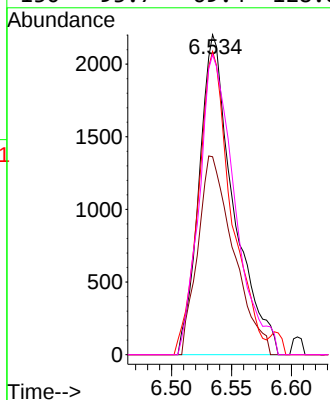
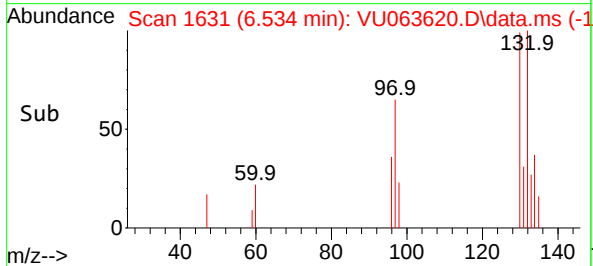
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05



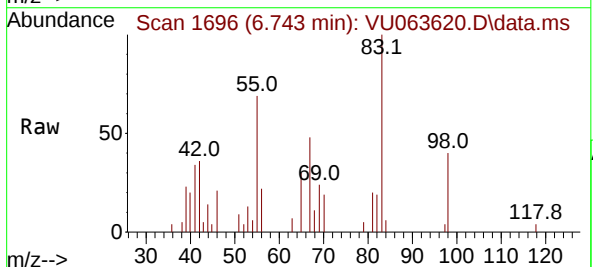
Tgt Ion: 95 Resp: 438
Ion Ratio Lower Upper
95 100
97 61.9 46.6 86.6
132 94.7 66.8 124.2
130 93.7 69.4 128.8

Manual Integrations
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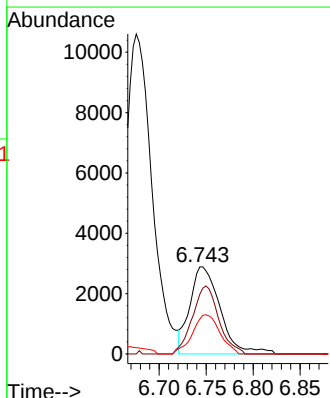
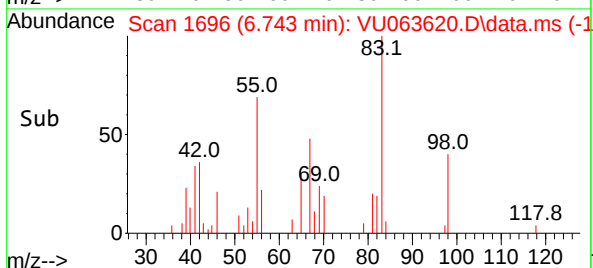
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025

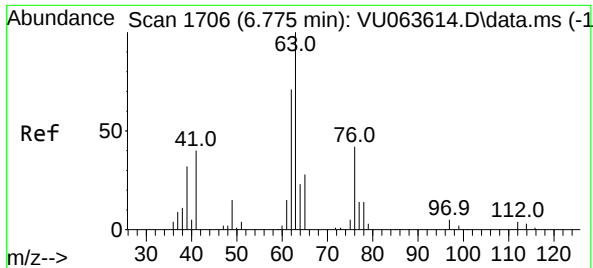


#35
Methylcyclohexane
Concen: 2.381 ug/L m
RT: 6.743 min Scan# 1696
Delta R.T. -0.007 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32



Tgt Ion: 83 Resp: 6487
Ion Ratio Lower Upper
83 100
55 67.4 63.4 95.0
98 40.4 37.3 55.9





#37

1,2-Dichloropropane

Concen: 2.256 ug/L

RT: 6.785 min Scan# 1706

Delta R.T. 0.009 min

Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

Instrument :

MSVOA_U

ClientSampleId :

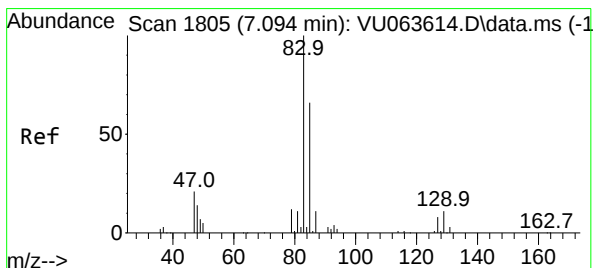
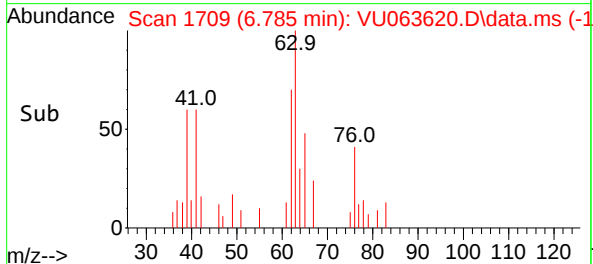
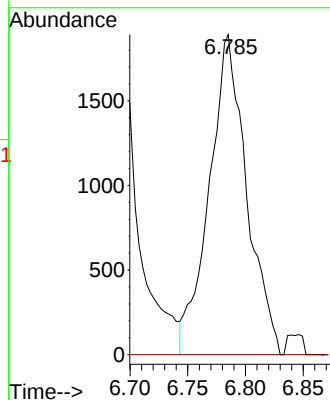
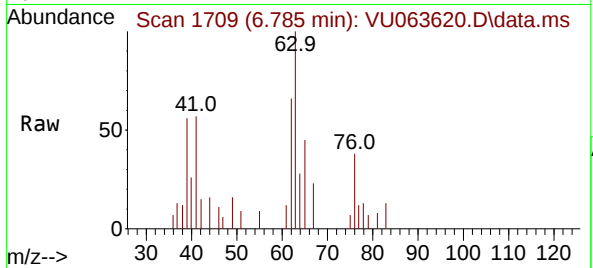
MDL-WATER-QT3-2025-05

Tgt Ion: 63 Resp: 4258
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 09/24/2025
 Supervised By :Semsettin Yesilyurt 09/24/2025



#38

Bromodichloromethane

Concen: 1.727 ug/L

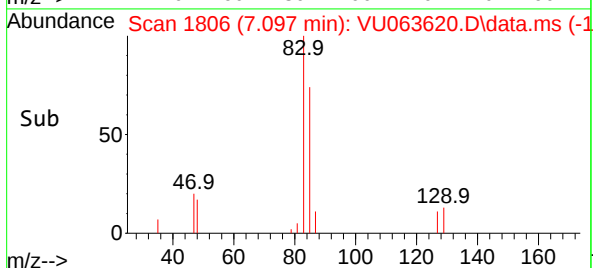
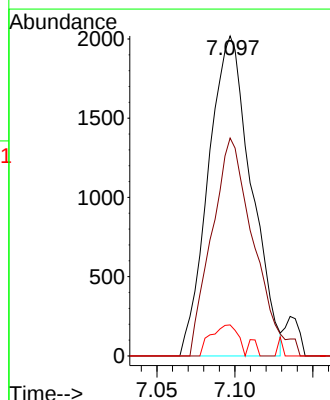
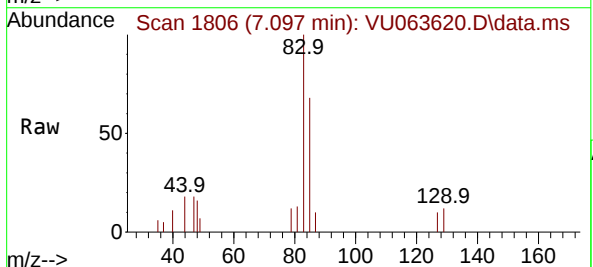
RT: 7.097 min Scan# 1806

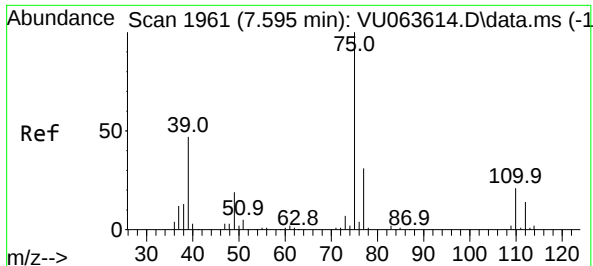
Delta R.T. 0.003 min

Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

Tgt Ion: 83 Resp: 3864
 Ion Ratio Lower Upper
 83 100
 85 68.1 45.9 85.3
 127 9.7 6.7 10.1





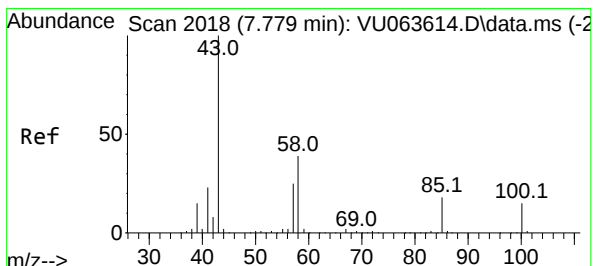
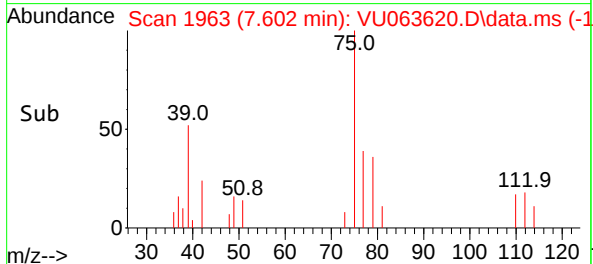
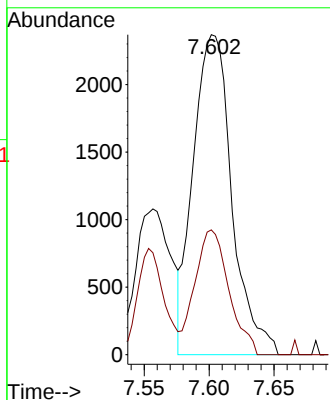
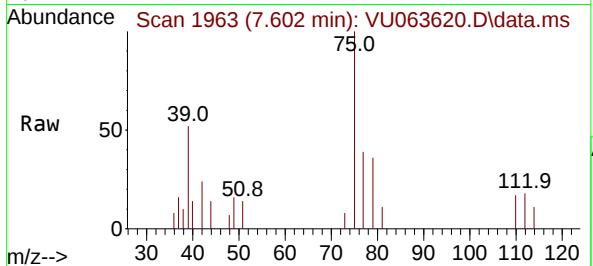
#39
cis-1,3-Dichloropropene
Concen: 2.003 ug/L
RT: 7.602 min Scan# 1961
Delta R.T. 0.006 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2025-05

Tgt Ion: 75 Resp: 4915
Ion Ratio Lower Upper
75 100
77 39.0 22.0 40.8

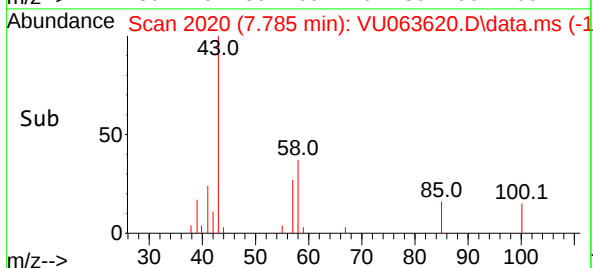
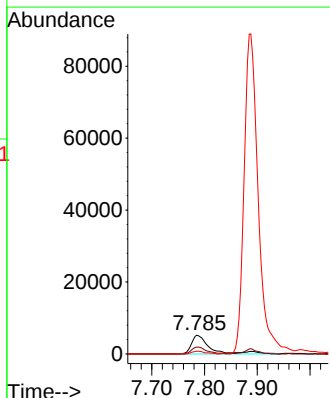
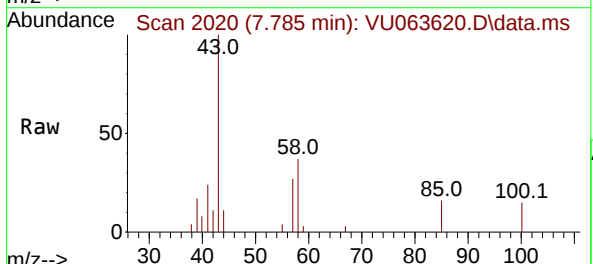
Manual Integrations
APPROVED

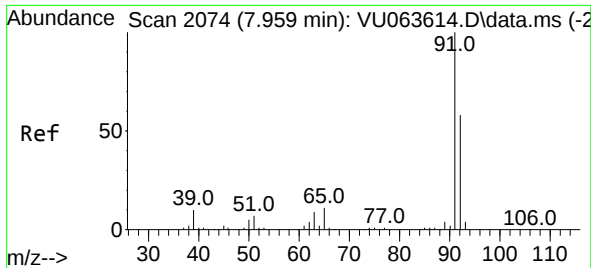
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#40
4-Methyl-2-pentanone
Concen: 4.685 ug/L m
RT: 7.785 min Scan# 2020
Delta R.T. 0.006 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

Tgt Ion: 43 Resp: 12740
Ion Ratio Lower Upper
43 100
58 29.3 30.9 46.3#
100 10.8 11.4 17.2#





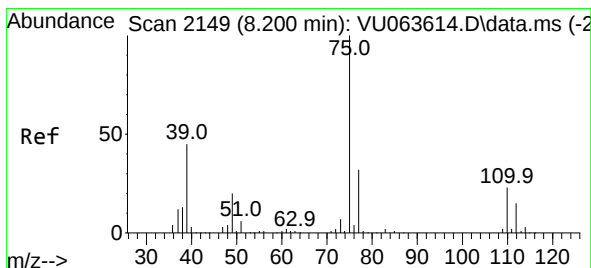
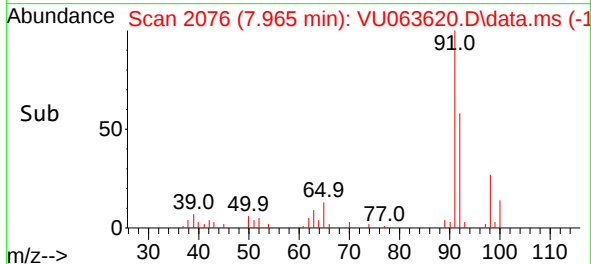
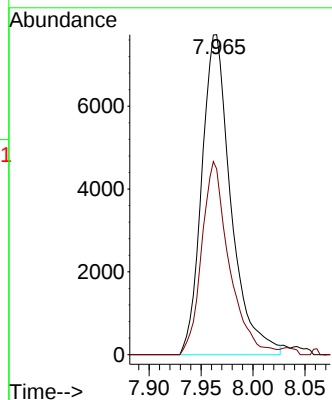
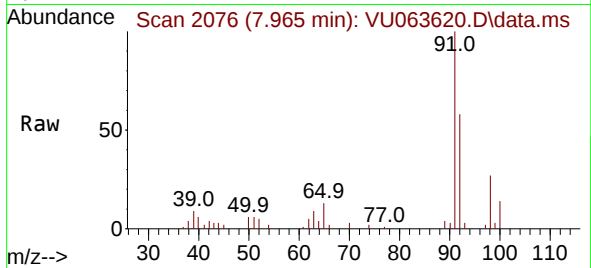
#42
Toluene
Concen: 2.022 ug/L
RT: 7.965 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05

Tgt Ion: 91 Resp: 1510
Ion Ratio Lower Upper
91 100
92 58.1 40.5 75.3

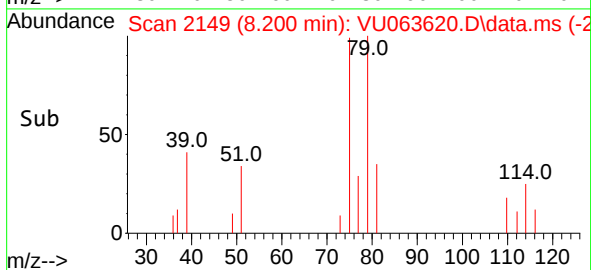
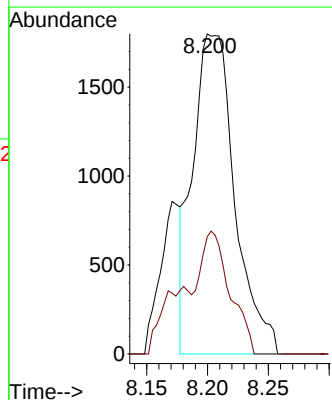
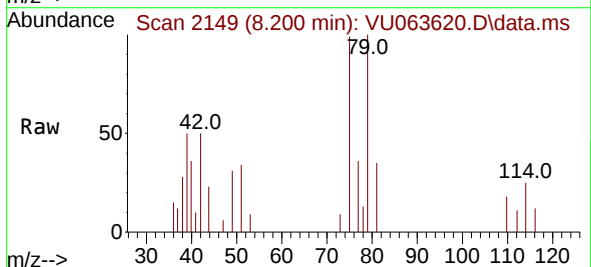
Manual Integrations
APPROVED

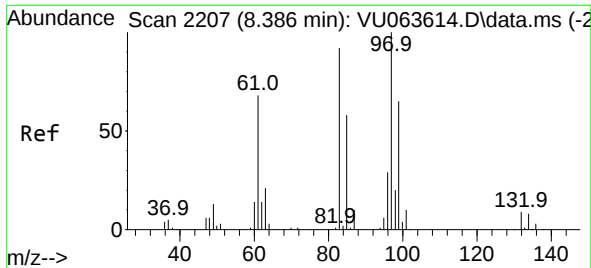
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#44
trans-1,3-Dichloropropene
Concen: 2.085 ug/L m
RT: 8.200 min Scan# 2149
Delta R.T. -0.000 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

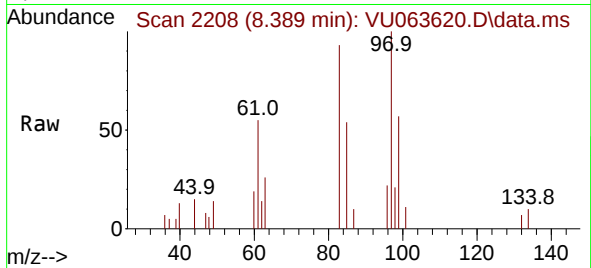
Tgt Ion: 75 Resp: 4344
Ion Ratio Lower Upper
75 100
77 36.6 22.3 41.5





#45
1,1,2-Trichloroethane
Concen: 2.217 ug/L
RT: 8.389 min Scan# 2207
Delta R.T. 0.003 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

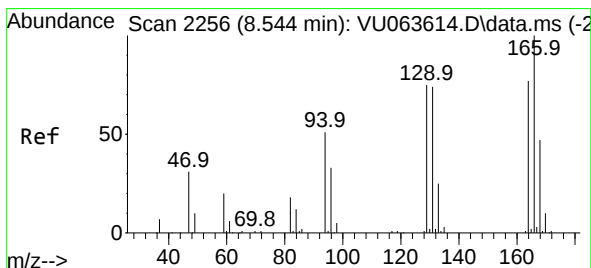
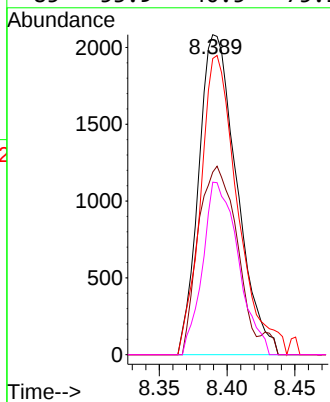
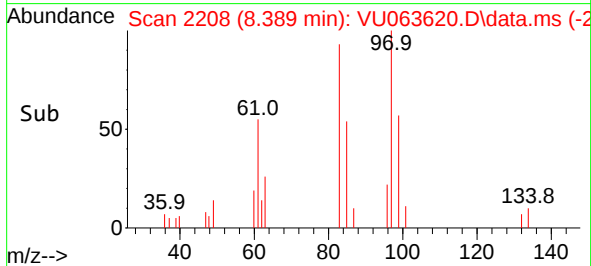
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05



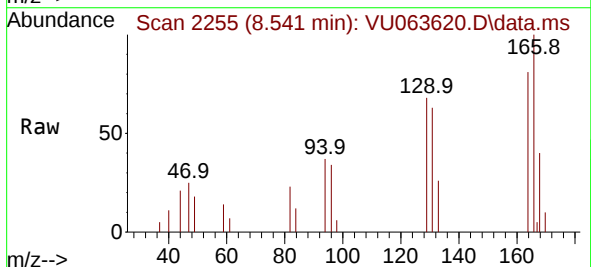
Tgt Ion	Ratio	Lower	Upper
97	100		
99	57.1	45.8	85.0
83	92.6	64.4	119.6
85	53.9	40.5	75.1

Manual Integrations
APPROVED

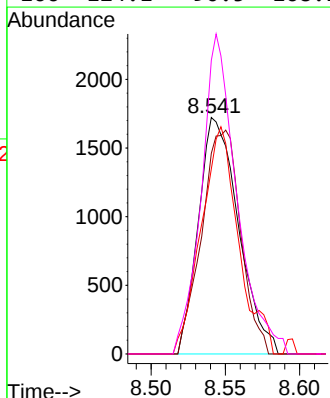
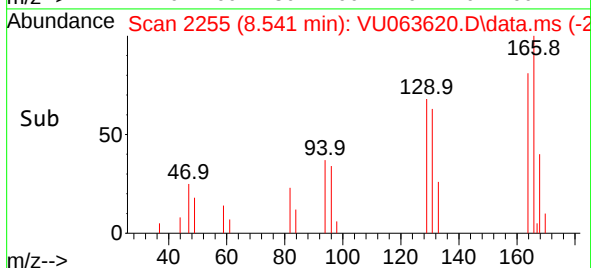
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025

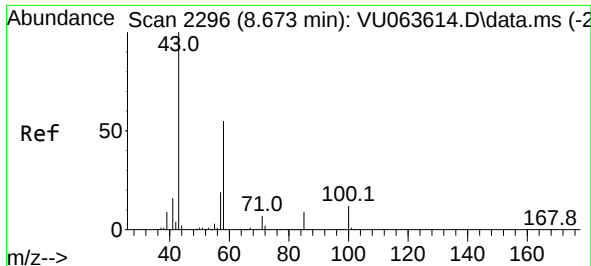


#46
Tetrachloroethene
Concen: 2.325 ug/L
RT: 8.541 min Scan# 2255
Delta R.T. -0.003 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32



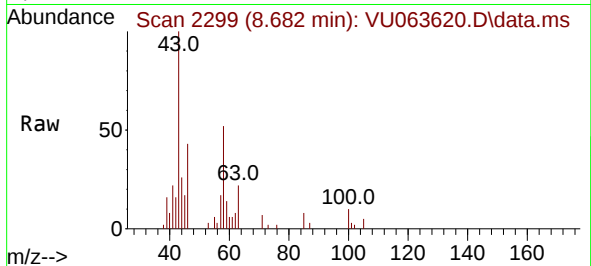
Tgt Ion	Ratio	Lower	Upper
164	100		
129	84.9	67.5	125.3
131	78.2	67.0	124.4
166	124.1	90.5	168.1





#48
2-Hexanone
Concen: 7.087 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.009 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

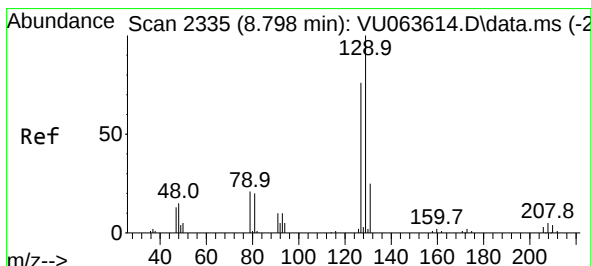
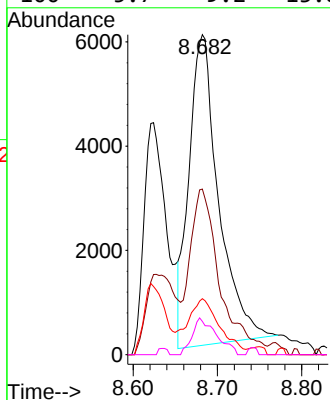
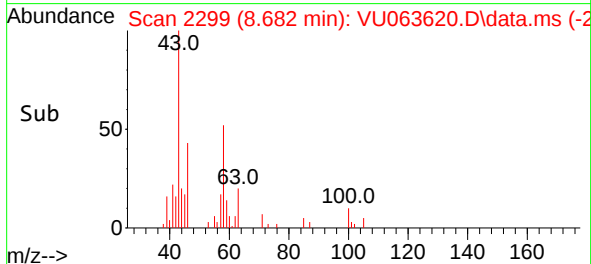
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05



Tgt Ion: 43 Resp: 14579
Ion Ratio Lower Upper
43 100
58 37.2 41.7 62.5
57 11.3 14.7 22.1
100 5.7 9.2 13.8

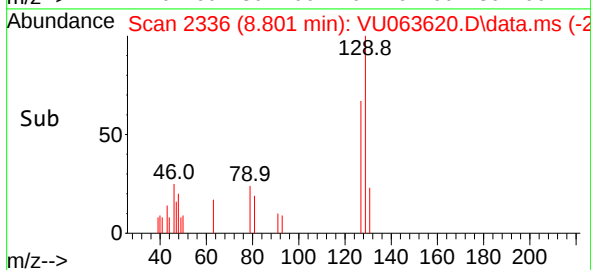
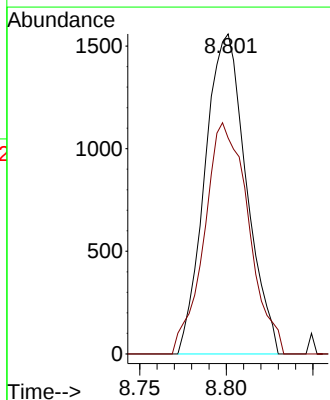
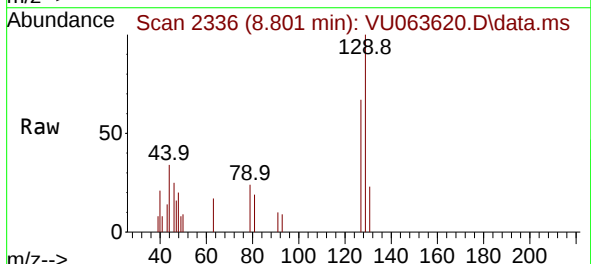
Manual Integrations
APPROVED

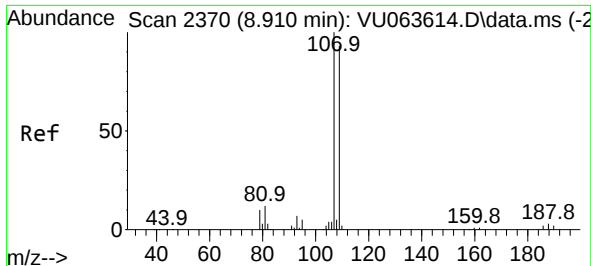
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#49
Dibromochloromethane
Concen: 1.578 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.003 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

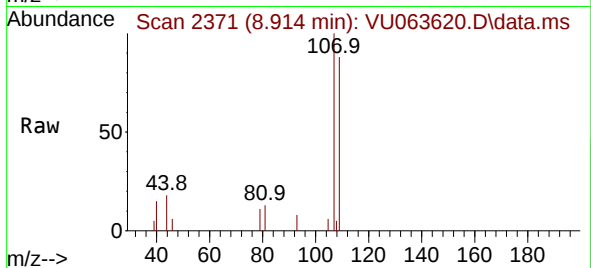
Tgt Ion:129 Resp: 2588
Ion Ratio Lower Upper
129 100
127 67.5 53.1 98.7





#50
1,2-Dibromoethane
Concen: 1.981 ug/L
RT: 8.914 min Scan# 2370
Delta R.T. 0.003 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

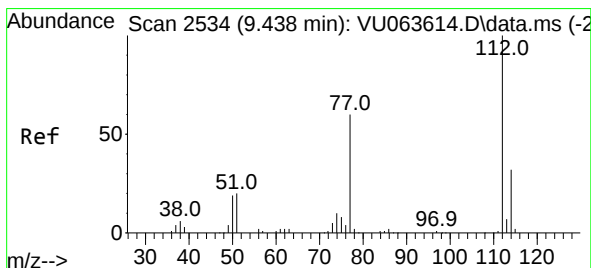
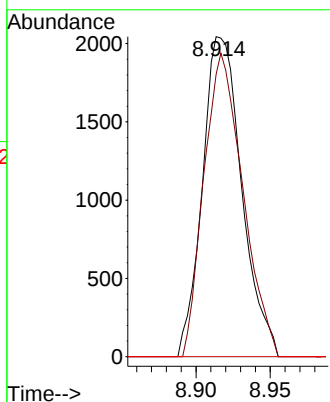
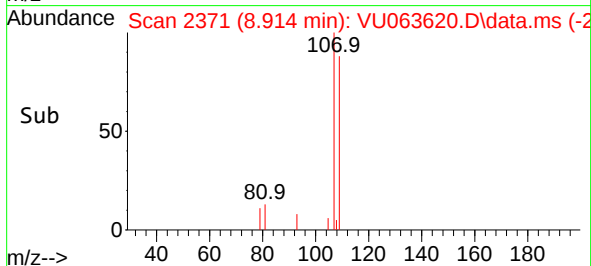
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05



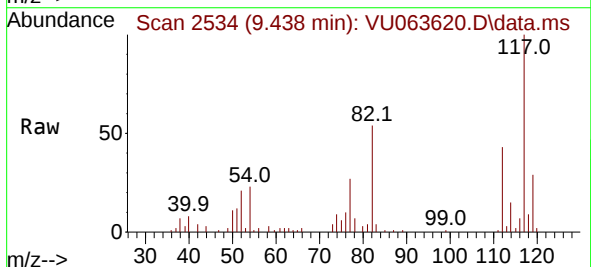
Tgt Ion:107 Resp: 3759
Ion Ratio Lower Upper
107 100
109 88.3 65.0 120.6
188 0.0 2.6 4.0

Manual Integrations
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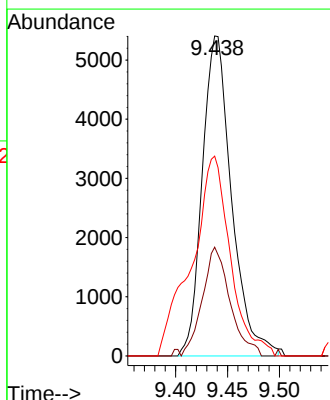
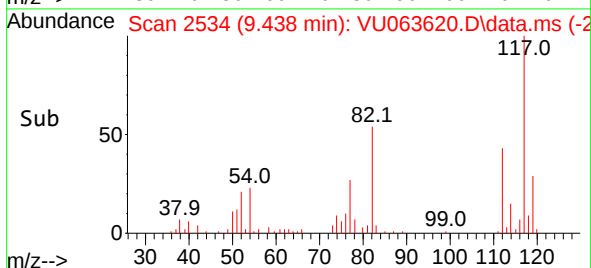
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025

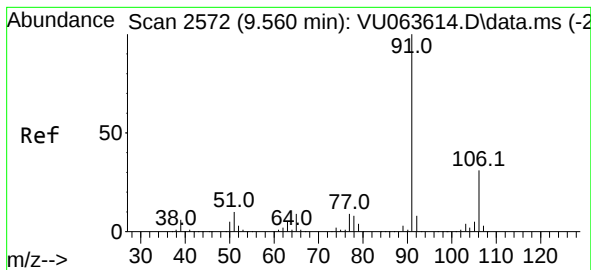


#51
Chlorobenzene
Concen: 2.152 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. -0.000 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32



Tgt Ion:112 Resp: 10640
Ion Ratio Lower Upper
112 100
114 34.0 22.4 41.6
77 62.4 48.2 72.2





#52

Ethylbenzene

Concen: 2.038 ug/L

RT: 9.563 min Scan# 2163

Delta R.T. 0.003 min

Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2025-05

Tgt Ion: 91 Resp: 1683

Ion Ratio Lower Upper

91 100

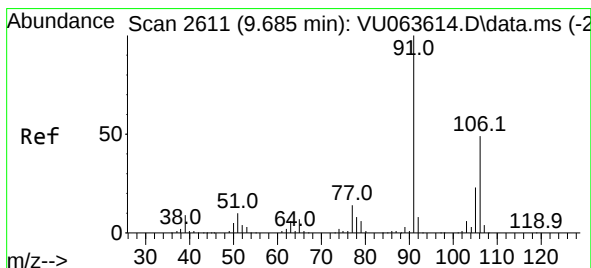
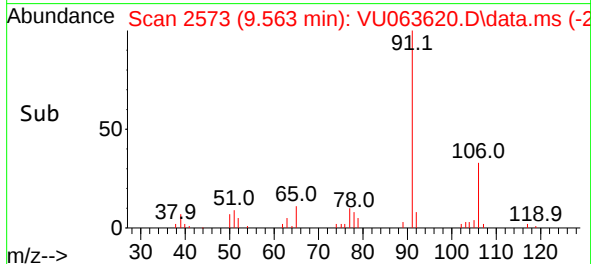
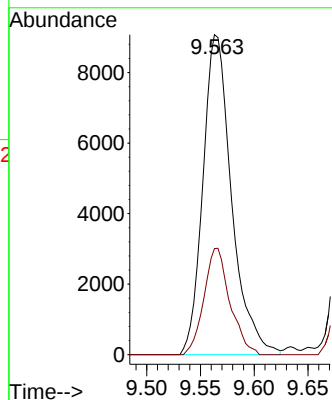
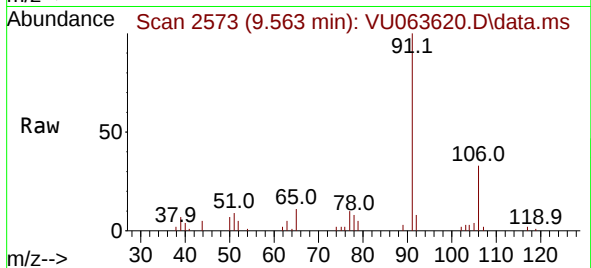
106 33.2 21.5 39.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/24/2025

Supervised By :Semsettin Yesilyurt 09/24/2025



#53

m,p-Xylene

Concen: 1.919 ug/L

RT: 9.692 min Scan# 2613

Delta R.T. 0.006 min

Lab File: VU063620.D

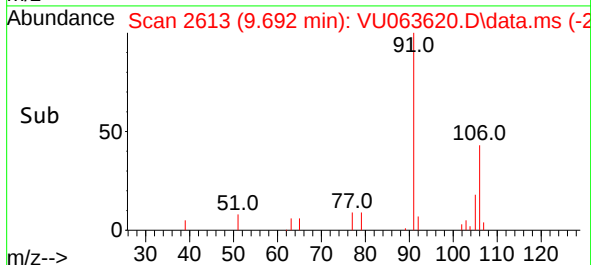
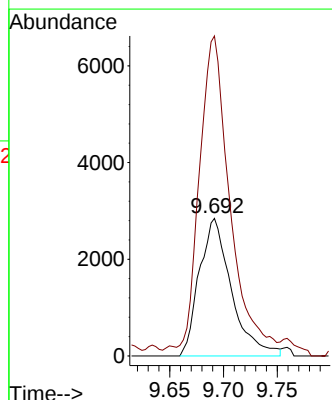
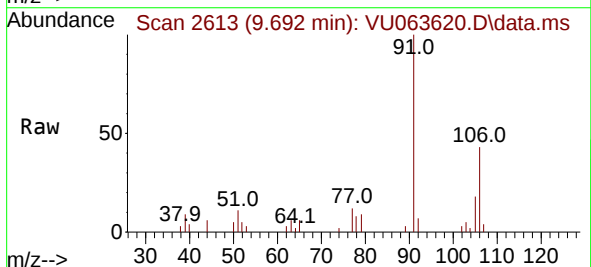
Acq: 22 Sep 2025 15:32

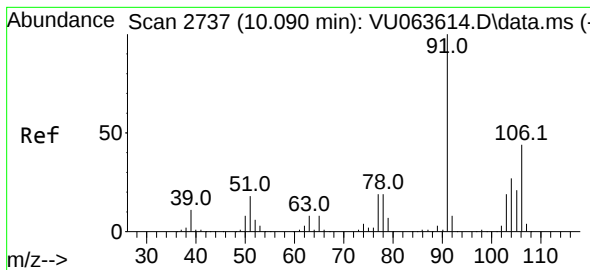
Tgt Ion:106 Resp: 5915

Ion Ratio Lower Upper

106 100

91 211.3 144.1 267.7





#54

o-Xylene

Concen: 1.853 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2025-05

Tgt Ion:106 Resp: 569

Ion Ratio Lower Upper

106 100

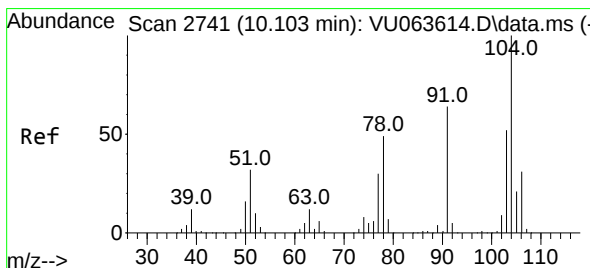
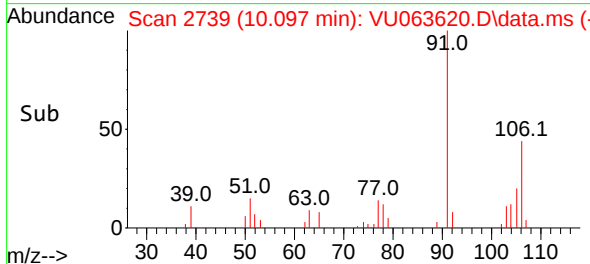
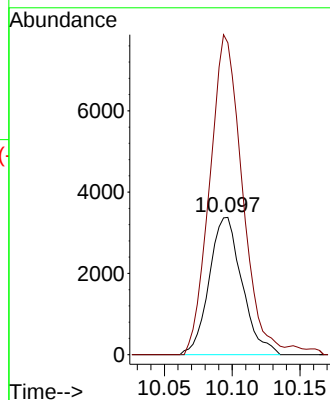
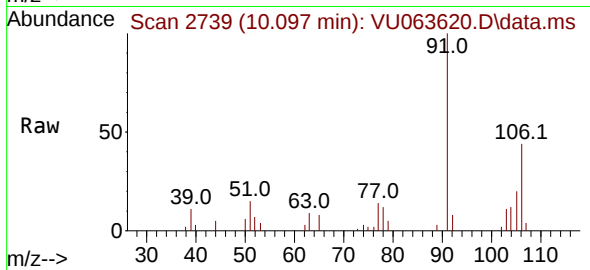
91 227.1 158.5 294.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/24/2025

Supervised By :Semsettin Yesilyurt 09/24/2025



#55

Styrene

Concen: 1.880 ug/L m

RT: 10.116 min Scan# 2745

Delta R.T. 0.013 min

Lab File: VU063620.D

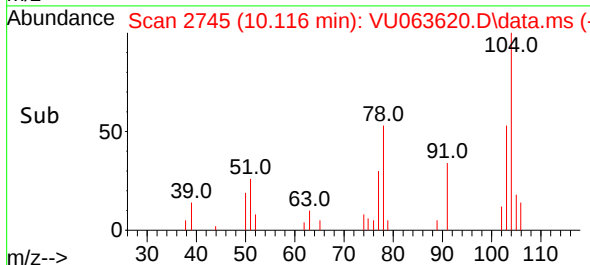
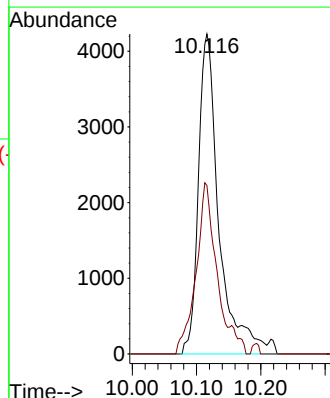
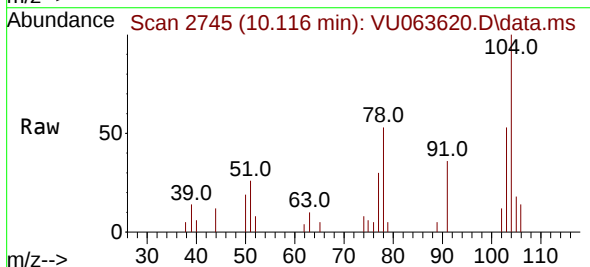
Acq: 22 Sep 2025 15:32

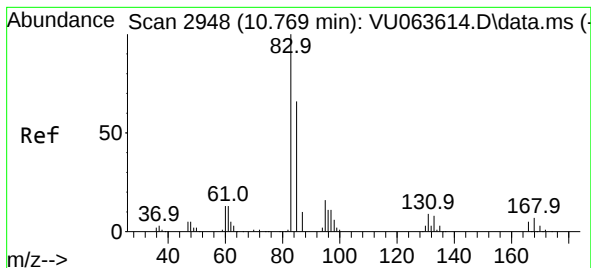
Tgt Ion:104 Resp: 9436

Ion Ratio Lower Upper

104 100

78 52.6 34.5 64.1





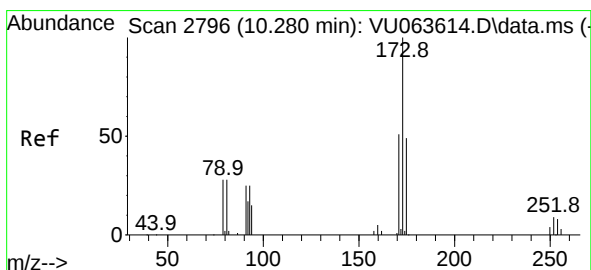
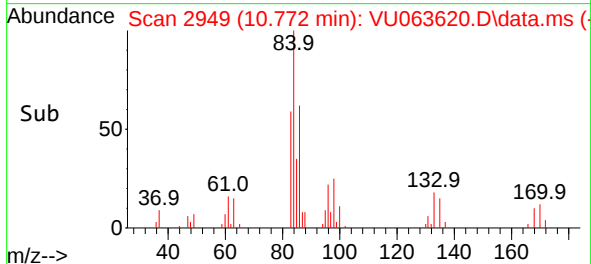
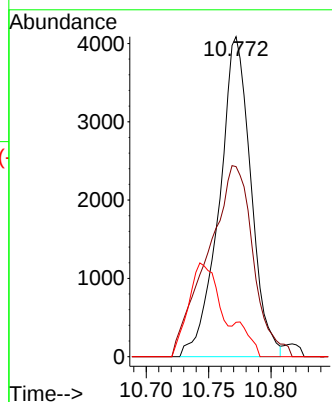
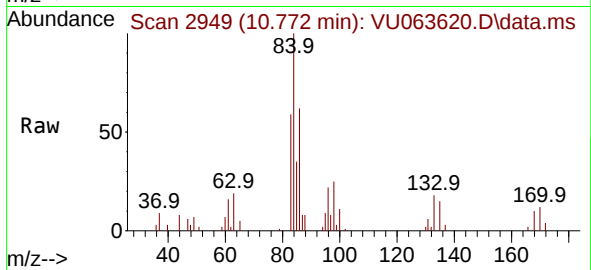
#57
1,1,2,2-Tetrachloroethane
Concen: 2.330 ug/L
RT: 10.772 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05

Tgt Ion: 83 Resp: 721
Ion Ratio Lower Upper
83 100
85 59.4 46.0 85.4
131 10.8 7.4 11.2

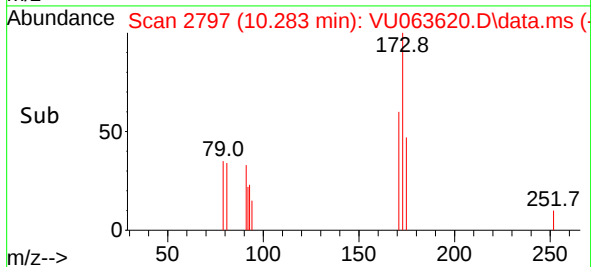
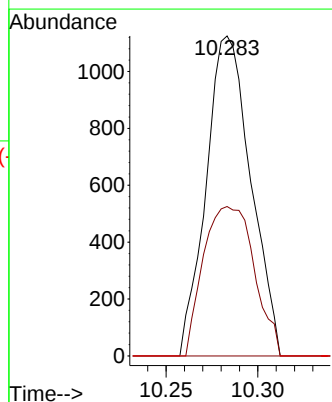
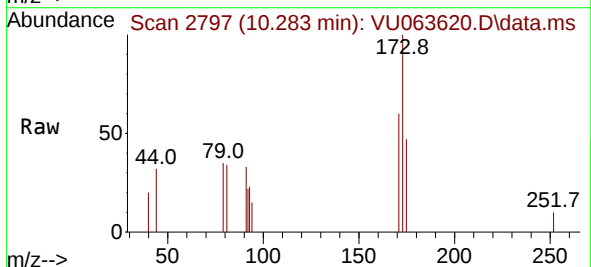
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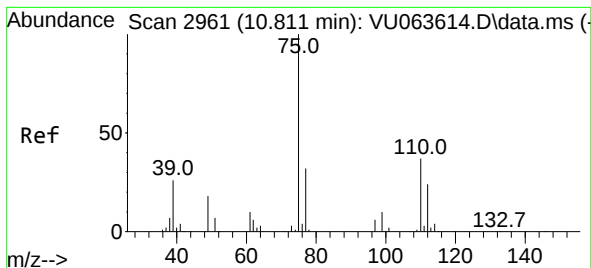
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#59
Bromoform
Concen: 1.776 ug/L
RT: 10.283 min Scan# 2797
Delta R.T. 0.003 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

Tgt Ion:173 Resp: 1902
Ion Ratio Lower Upper
173 100
175 53.2 39.3 58.9
254 0.0 6.2 9.4#





#60

1,2,3-Trichloropropane

Concen: 2.509 ug/L

RT: 10.814 min Scan# 2961

Delta R.T. 0.003 min

Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

Instrument :

MSVOA_U

ClientSampleId :

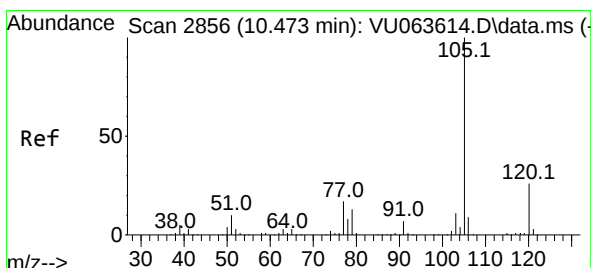
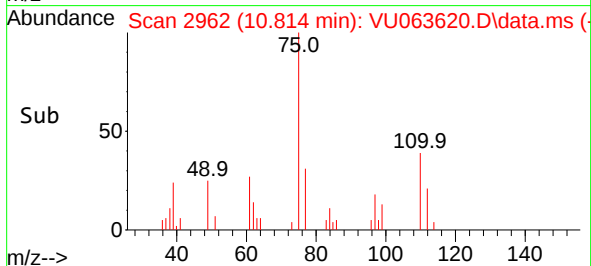
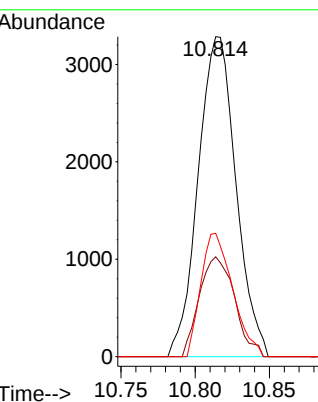
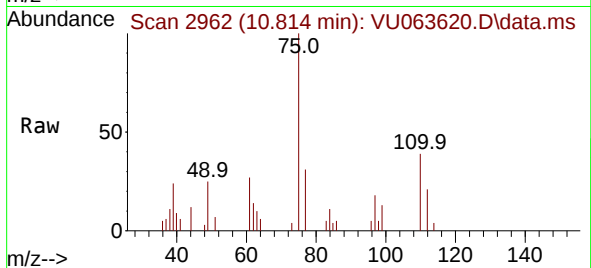
MDL-WATER-QT3-2025-05

Tgt Ion: 75	Resp: 5810
Ion Ratio	Lower Upper
75 100	
77 28.8	25.7 38.5
110 32.4	29.2 43.8

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Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#61

Isopropylbenzene

Concen: 2.013 ug/L

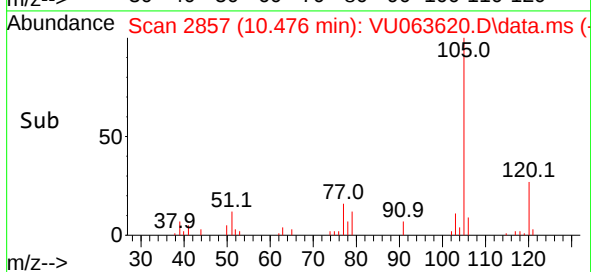
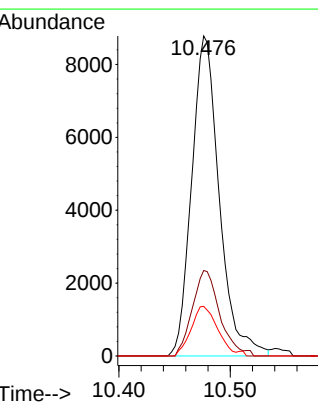
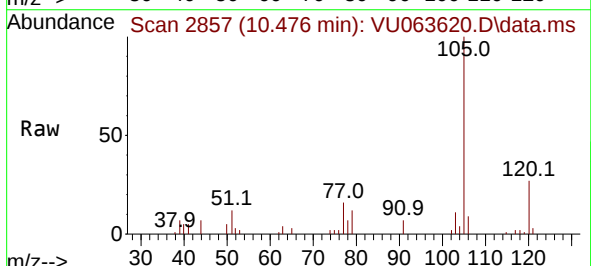
RT: 10.476 min Scan# 2857

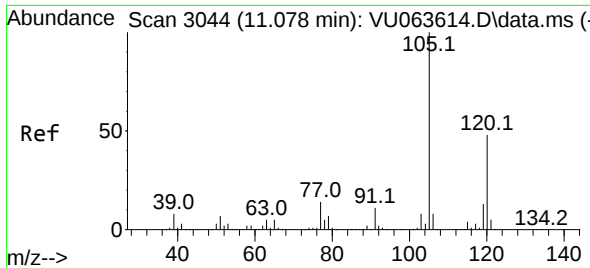
Delta R.T. 0.003 min

Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

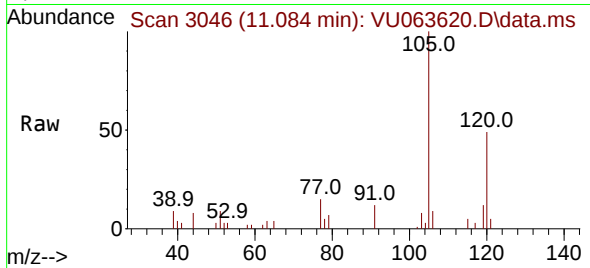
Tgt Ion:105	Resp: 15094
Ion Ratio	Lower Upper
105 100	
120 26.1	21.2 31.8
77 14.8	13.4 20.0





#62
1,3,5-Trimethylbenzene
Concen: 2.003 ug/L
RT: 11.084 min Scan# 3044
Delta R.T. 0.006 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

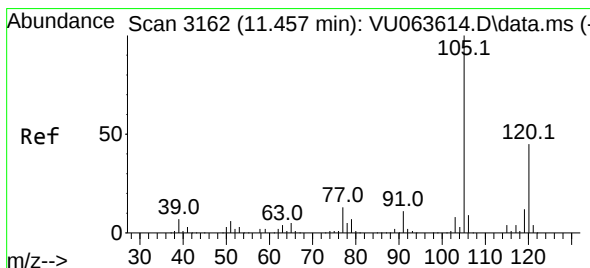
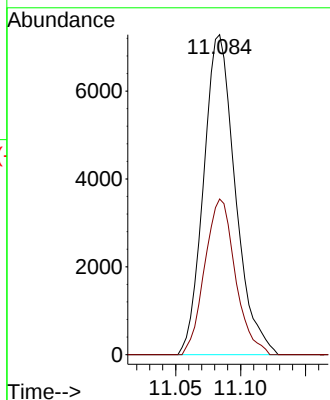
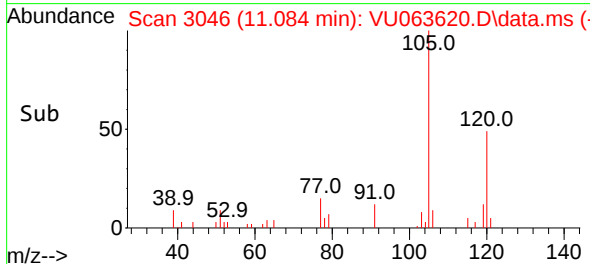
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05



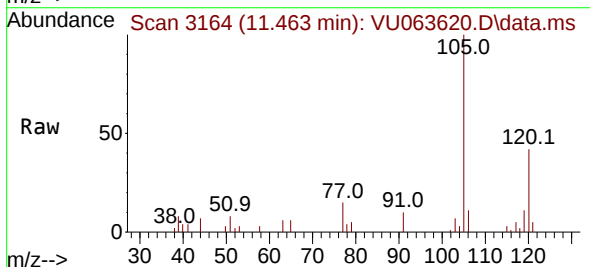
Tgt Ion:105 Resp: 12354
Ion Ratio Lower Upper
105 100
120 46.9 38.3 57.5

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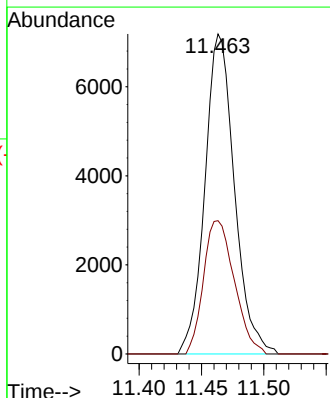
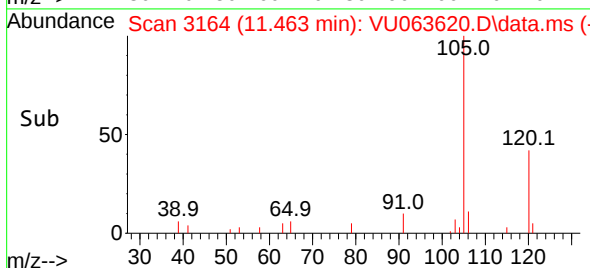
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025

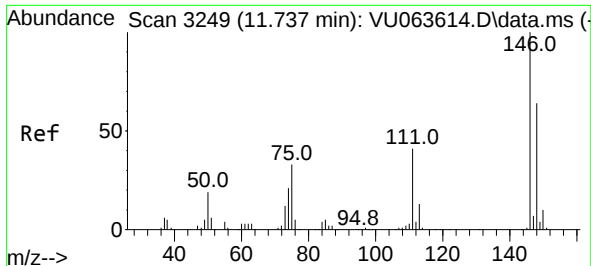


#63
1,2,4-Trimethylbenzene
Concen: 1.978 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.006 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32



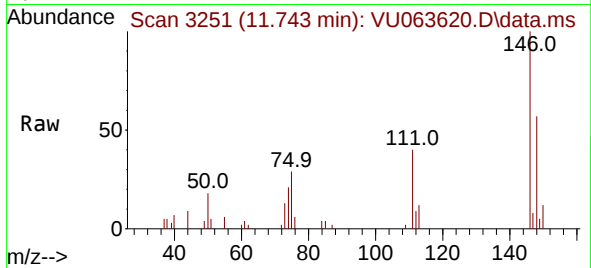
Tgt Ion:105 Resp: 11827
Ion Ratio Lower Upper
105 100
120 43.5 35.6 53.4





#64
1,3-Dichlorobenzene
Concen: 2.310 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

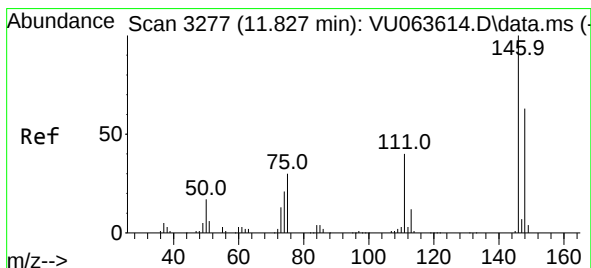
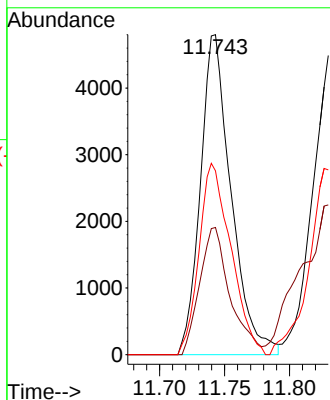
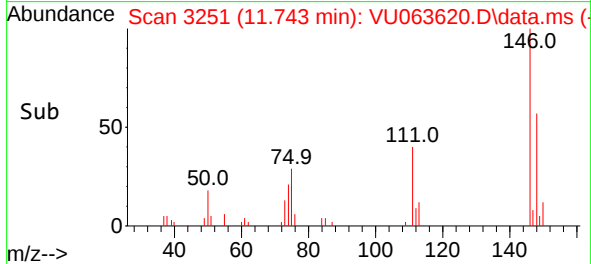
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05



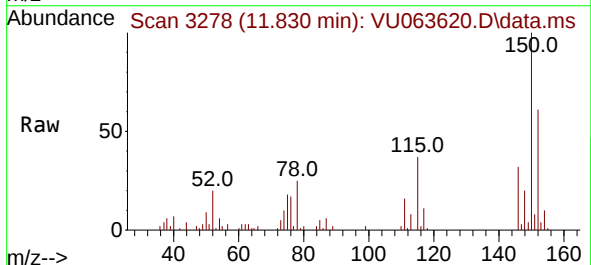
Tgt Ion:146 Resp: 7890
Ion Ratio Lower Upper
146 100
111 39.7 28.6 53.0
148 57.4 44.5 82.7

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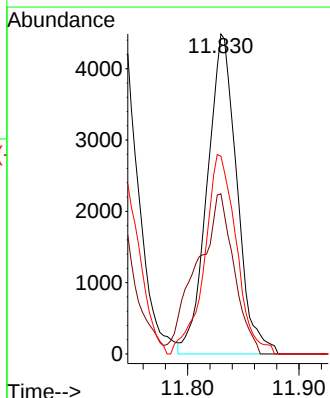
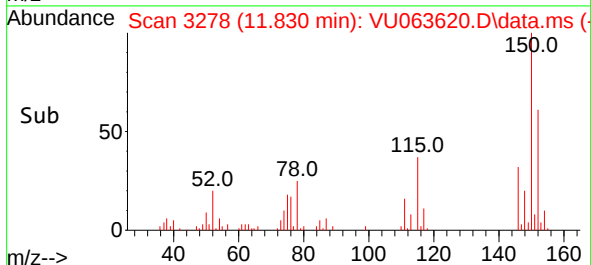
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025

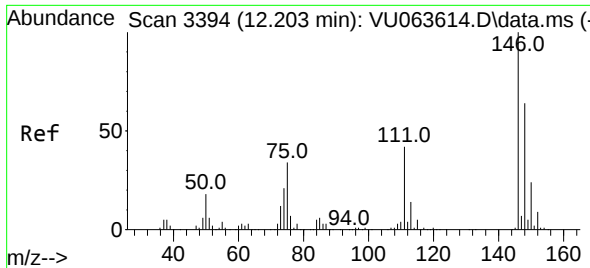


#65
1,4-Dichlorobenzene
Concen: 2.395 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.003 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32



Tgt Ion:146 Resp: 8281
Ion Ratio Lower Upper
146 100
111 50.0 27.9 51.9
148 61.8 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 2.375 ug/L

RT: 12.206 min Scan# 3394

Delta R.T. 0.003 min

Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

Instrument :

MSVOA_U

ClientSampleId :

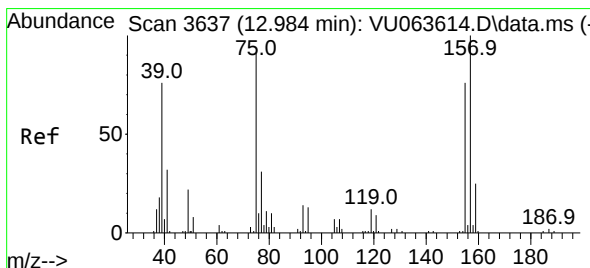
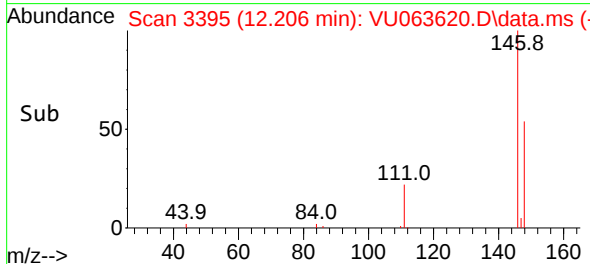
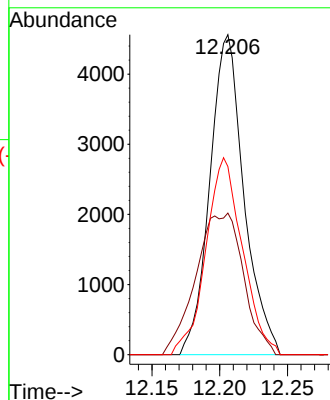
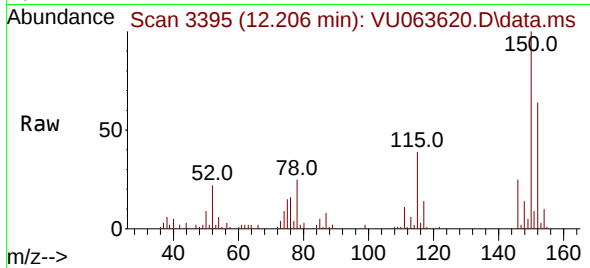
MDL-WATER-QT3-2025-05

Tgt Ion:146	Resp:	798
Ion Ratio	Lower	Upper
146	100	
111	48.7	33.6 50.4
148	58.8	50.9 76.3

Manual Integrations

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Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#68

1,2-Dibromo-3-chloropropane

Concen: 1.908 ug/L m

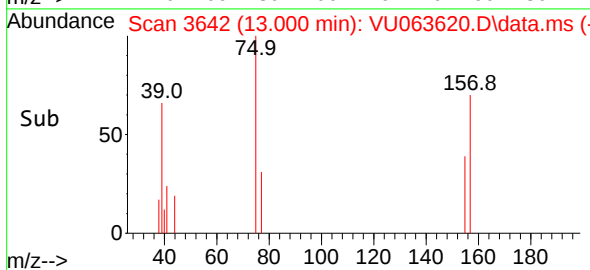
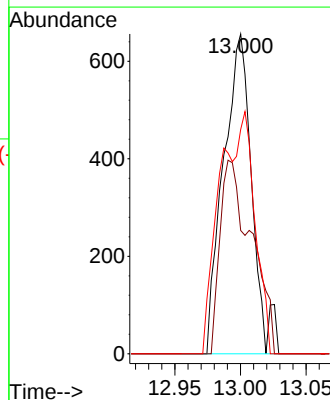
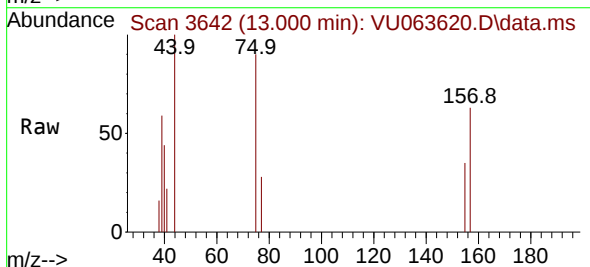
RT: 13.000 min Scan# 3642

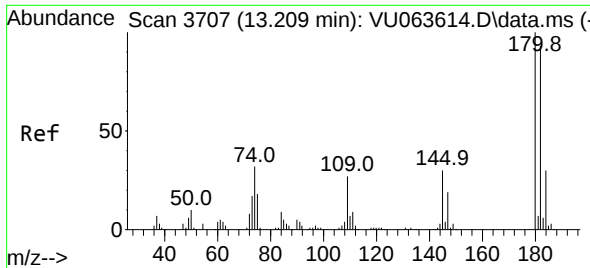
Delta R.T. 0.016 min

Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

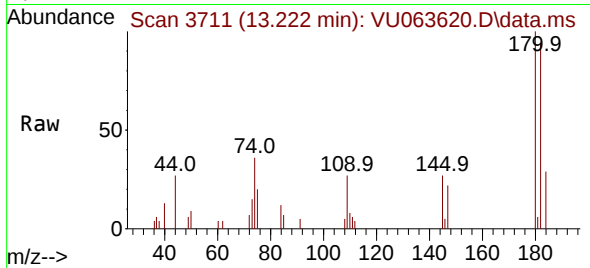
Tgt Ion: 75	Resp:	992
Ion Ratio	Lower	Upper
75	100	
155	38.6	66.6 99.8#
157	70.1	87.6 131.4#





#69
1,3,5-Trichlorobenzene
Concen: 2.205 ug/L
RT: 13.222 min Scan# 31
Delta R.T. 0.013 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

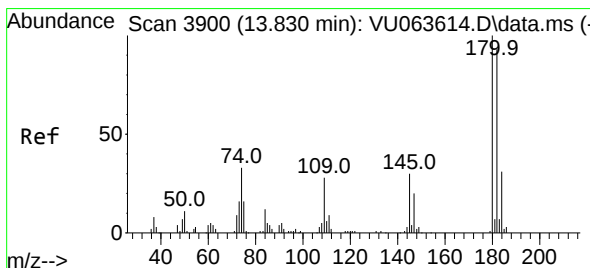
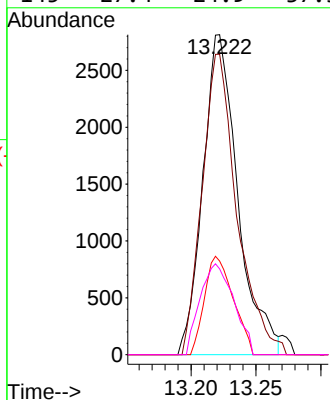
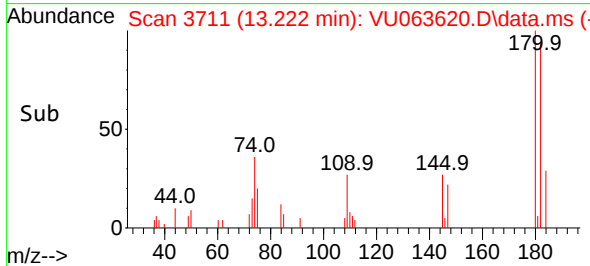
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05



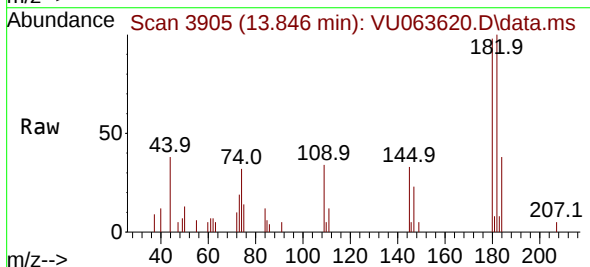
Tgt Ion:180 Resp: 5269
Ion Ratio Lower Upper
180 100
182 93.4 75.9 113.9
184 25.3 24.4 36.6
145 27.4 24.9 37.3

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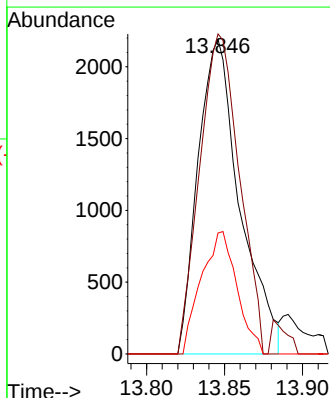
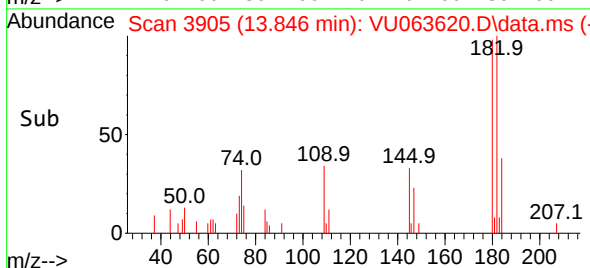
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025

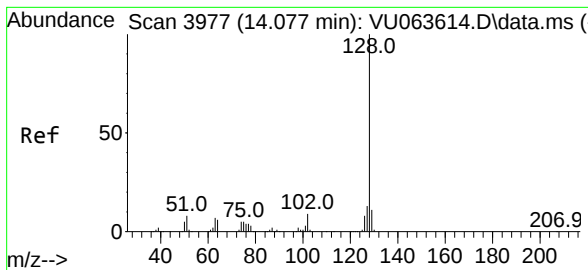


#70
1,2,4-trichlorobenzene
Concen: 2.075 ug/L
RT: 13.846 min Scan# 3905
Delta R.T. 0.016 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32



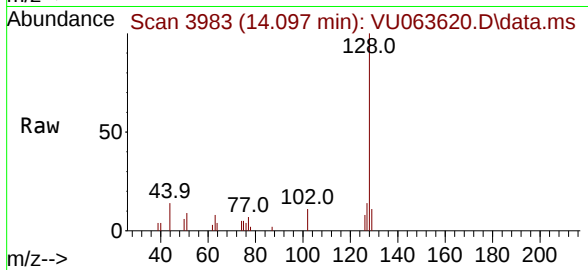
Tgt Ion:180 Resp: 4093
Ion Ratio Lower Upper
180 100
182 96.5 75.4 113.0
145 33.2 24.6 37.0





#71
Naphthalene
Concen: 2.487 ug/L
RT: 14.097 min Scan# 3977
Delta R.T. 0.019 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

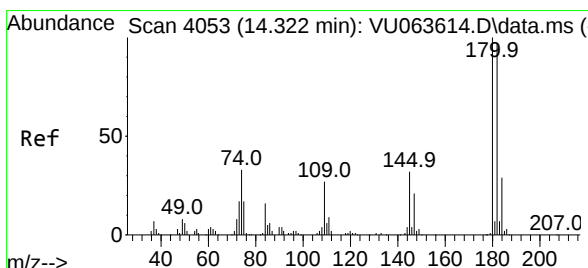
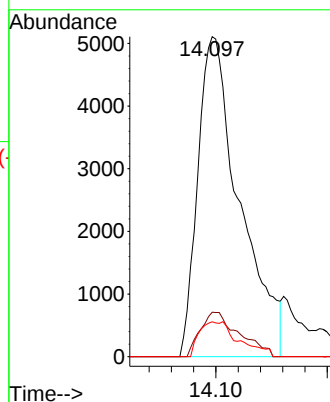
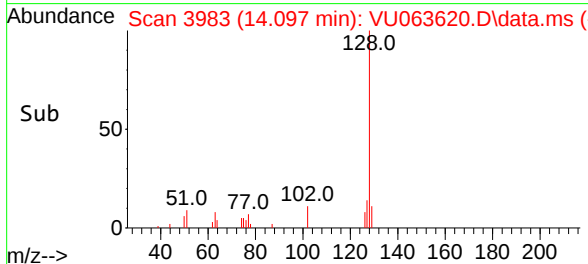
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2025-05



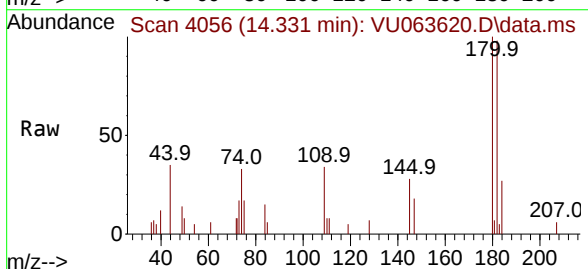
Tgt Ion:128 Resp: 1333
Ion Ratio Lower Upper
128 100
127 8.8 10.2 15.4
129 5.3 8.6 13.0

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Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#72
1,2,3-Trichlorobenzene
Concen: 2.152 ug/L
RT: 14.331 min Scan# 4056
Delta R.T. 0.010 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32



Tgt Ion:180 Resp: 4070
Ion Ratio Lower Upper
180 100
182 91.6 77.4 116.2
145 30.1 25.9 38.9

