

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111825\
 Data File : VV039400.D
 Acq On : 18 Nov 2025 11:13
 Operator : SY/MD
 Sample : Q3589-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2025-08

Quant Time: Nov 19 03:53:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 19 03:46:50 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	5.532	114	1098885	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	1122859	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	549138	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.294	65	509800	47.603	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	95.200%	
7) Chloroethane-d5	1.545	69	388733	48.618	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	97.240%	
11) 1,1-Dichloroethene-d2	2.072	65	216502	48.030	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	96.060%	
21) 2-Butanone-d5	3.783	46	494555	87.459	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	87.460%	
24) Chloroform-d	4.249	84	852437	48.028	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	96.060%	
26) 1,2-Dichloroethane-d4	4.937	65	541718	49.047	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	98.100%	
32) Benzene-d6	4.960	84	1647506	49.191	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	98.380%	
36) 1,2-Dichloropropane-d6	5.982	67	532731	50.965	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	101.940%	
41) Toluene-d8	7.236	98	1455557	47.056	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	94.120%	
43) trans-1,3-Dichloroprop...	7.545	79	235109	44.581	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	89.160%	
47) 2-Hexanone-d5	8.011	63	364930	91.388	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	91.390%	
56) 1,1,2,2-Tetrachloroeth...	10.140	84	700282	45.833	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	91.660%	
66) 1,2-Dichlorobenzene-d4	11.545	152	561230	54.410	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	108.820%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	18284	2.372	ug/L	99
3) Chloromethane	1.230	50	22993	2.721	ug/L	98
5) Vinyl chloride	1.297	62	27611m	2.899	ug/L	
6) Bromomethane	1.500	94	16485	3.108	ug/L	95
8) Chloroethane	1.564	64	18676	2.980	ug/L	93
9) Trichlorofluoromethane	1.728	101	38654	2.509	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	28395	3.033	ug/L	87
12) 1,1-Dichloroethene	2.082	96	24826m	3.080	ug/L	
13) Acetone	2.124	43	33933	4.433	ug/L	91
14) Carbon disulfide	2.256	76	60181	2.631	ug/L	99
15) Methyl Acetate	2.400	43	25753m	2.589	ug/L	
16) Methylene chloride	2.461	84	25553	2.707	ug/L	95
17) trans-1,2-Dichloroethene	2.712	96	18770	2.234	ug/L	95
18) Methyl tert-butyl Ether	2.715	73	52272	2.038	ug/L	96
19) 1,1-Dichloroethane	3.127	63	37509	2.252	ug/L	98
20) cis-1,2-Dichloroethene	3.831	96	20767	2.295	ug/L	90
22) 2-Butanone	3.924	43	36895m	4.845	ug/L	
23) Bromochloromethane	4.166	128	13711	2.566	ug/L	93
27) 1,2-Dichloroethane	5.053	62	30838	2.301	ug/L	99

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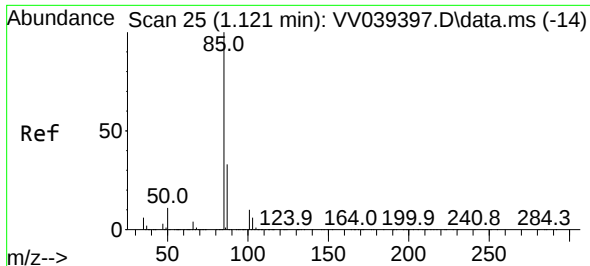
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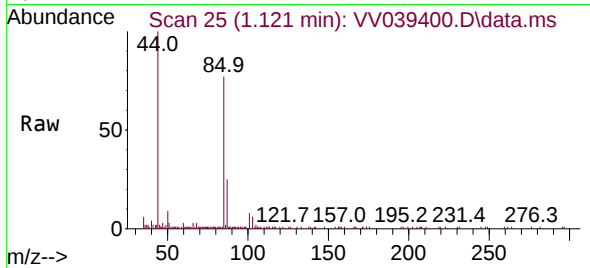
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.587	56	26377	1.984	ug/L	95
30) 1,1,1-Trichloroethane	4.516	97	38528	2.426	ug/L	99
31) Carbon tetrachloride	4.738	117	33060	2.261	ug/L	93
33) Benzene	5.014	78	88197	2.516	ug/L	100
34) Trichloroethene	5.847	95	23795m	2.512	ug/L	
35) Methylcyclohexane	6.047	83	37474m	2.692	ug/L	
37) 1,2-Dichloropropane	6.095	63	24048	2.425	ug/L #	89
38) Bromodichloromethane	6.439	83	31997	2.321	ug/L	96
39) cis-1,3-Dichloropropene	6.956	75	36800m	2.410	ug/L	
40) 4-Methyl-2-pentanone	7.159	43	57792m	4.636	ug/L	
42) Toluene	7.317	91	91212	2.455	ug/L	98
44) trans-1,3-Dichloropropene	7.583	75	33870	2.301	ug/L	93
45) 1,1,2-Trichloroethane	7.770	97	24435	2.369	ug/L	97
46) Tetrachloroethene	7.902	164	20396	2.344	ug/L	96
48) 2-Hexanone	8.079	43	54279m	5.212	ug/L	
49) Dibromochloromethane	8.172	129	29301	2.487	ug/L	92
50) 1,2-Dibromoethane	8.281	107	27548	2.480	ug/L #	97
51) Chlorobenzene	8.805	112	64639	2.427	ug/L	98
52) Ethylbenzene	8.943	91	81904	2.028	ug/L	96
53) m,p-Xylene	9.069	106	28295	1.830	ug/L	98
54) o-Xylene	9.471	106	28184	1.908	ug/L	92
55) Styrene	9.497	104	49430m	1.903	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.165	83	42764	2.581	ug/L #	97
59) Bromoform	9.657	173	23537	2.801	ug/L	96
60) Isopropylbenzene	9.857	105	71664	2.144	ug/L	100
61) 1,2,3-Trichloropropane	10.197	75	29481	2.753	ug/L	96
62) 1,3,5-Trimethylbenzene	10.468	105	52475	2.010	ug/L	97
63) 1,2,4-Trimethylbenzene	10.844	105	50236	1.957	ug/L	96
64) 1,3-Dichlorobenzene	11.114	146	43968	2.416	ug/L	100
65) 1,4-Dichlorobenzene	11.197	146	49952	2.548	ug/L	98
67) 1,2-Dichlorobenzene	11.564	146	54692	3.009	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.358	75	8627	2.870	ug/L	95
69) 1,3,5-Trichlorobenzene	12.574	180	32910	2.539	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	23493	2.080	ug/L	90
71) Naphthalene	13.432	128	58894	1.852	ug/L	99
72) 1,2,3-Trichlorobenzene	13.670	180	26530	2.267	ug/L	94

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



#2
 Dichlorodifluoromethane
 Concen: 2.372 ug/L
 RT: 1.121 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV039400.D
 Acq: 18 Nov 2025 11:13

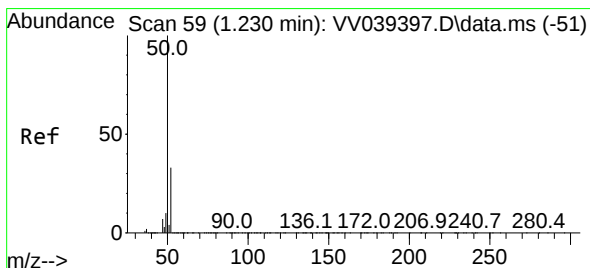
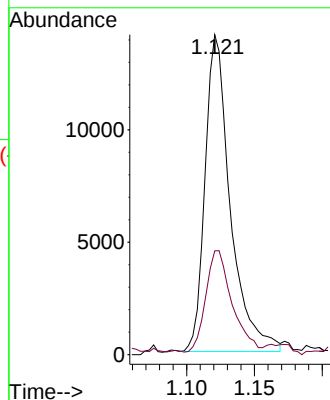
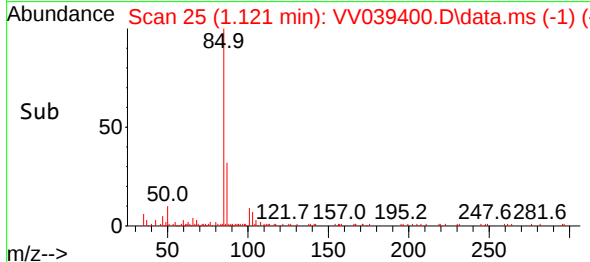
Instrument : MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2025-08



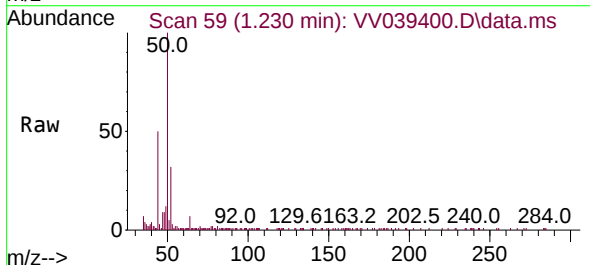
Tgt Ion: 85 Resp: 18284
 Ion Ratio Lower Upper
 85 100
 87 33.2 26.1 39.1

Manual Integrations
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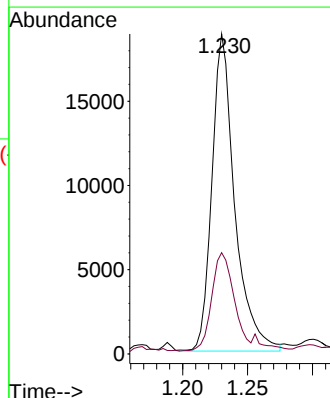
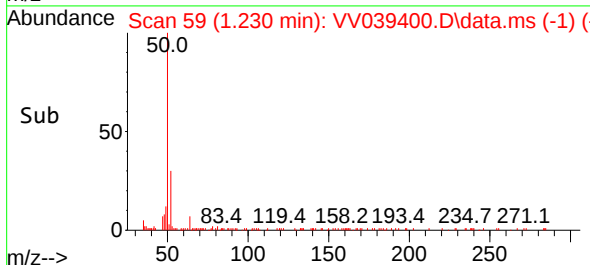
Reviewed By :Amit Patel 11/19/2025
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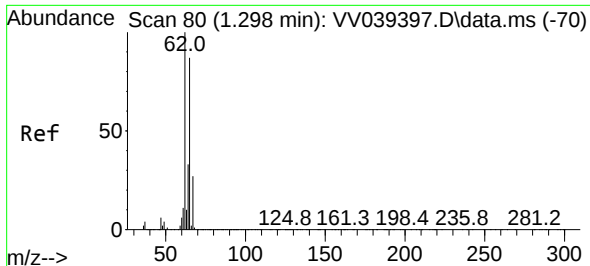


#3
 Chloromethane
 Concen: 2.721 ug/L
 RT: 1.230 min Scan# 59
 Delta R.T. -0.000 min
 Lab File: VV039400.D
 Acq: 18 Nov 2025 11:13



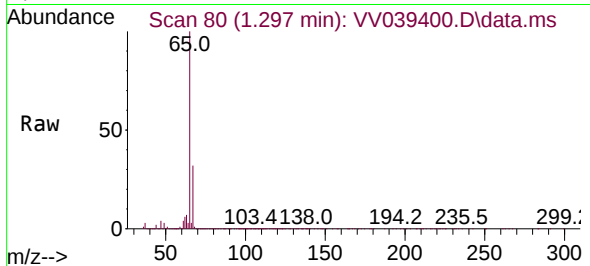
Tgt Ion: 50 Resp: 22993
 Ion Ratio Lower Upper
 50 100
 52 31.6 22.7 42.3





#5
 Vinyl chloride
 Concen: 2.899 ug/L m
 RT: 1.297 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VV039400.D
 Acq: 18 Nov 2025 11:13

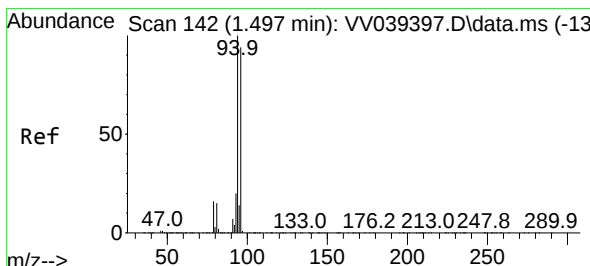
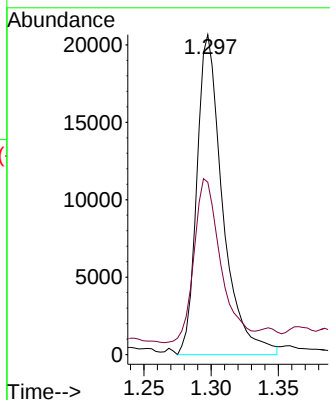
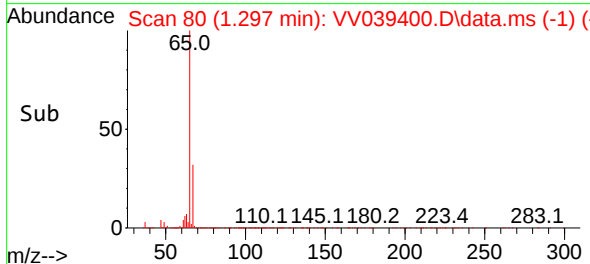
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2025-08



Tgt Ion: 62 Resp: 2761
 Ion Ratio Lower Upper
 62 100
 64 53.9 23.7 44.1

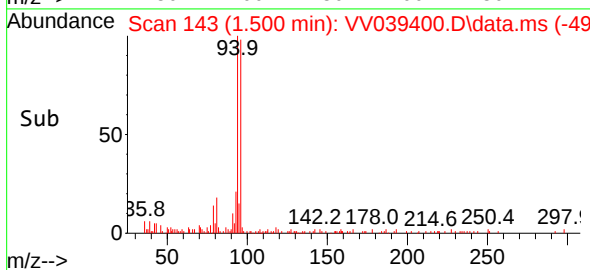
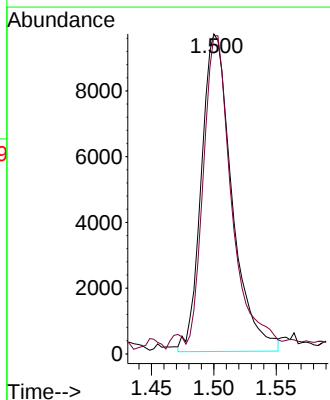
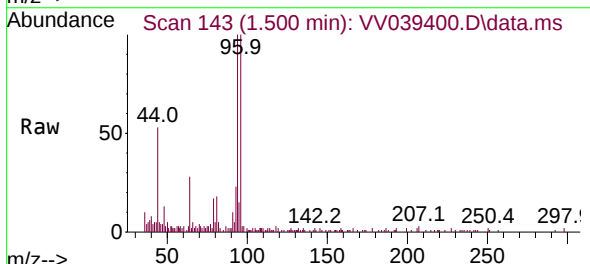
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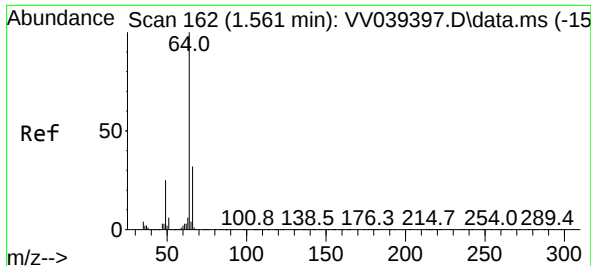
Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#6
 Bromomethane
 Concen: 3.108 ug/L
 RT: 1.500 min Scan# 143
 Delta R.T. 0.003 min
 Lab File: VV039400.D
 Acq: 18 Nov 2025 11:13

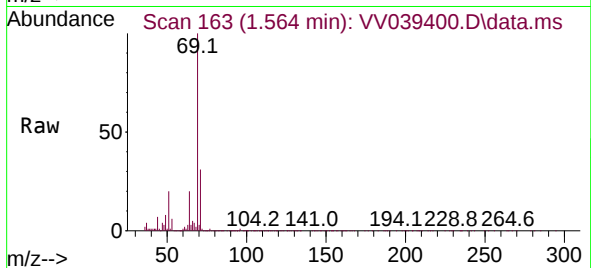
Tgt Ion: 94 Resp: 16485
 Ion Ratio Lower Upper
 94 100
 96 99.6 66.6 123.8





#8
Chloroethane
Concen: 2.980 ug/L
RT: 1.564 min Scan# 10
Delta R.T. 0.003 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

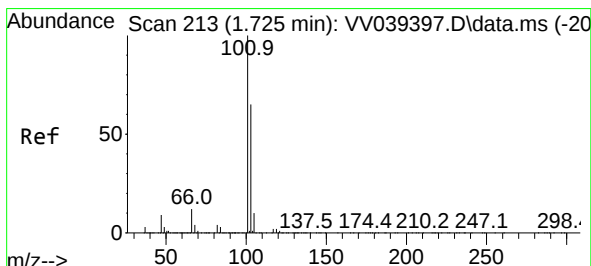
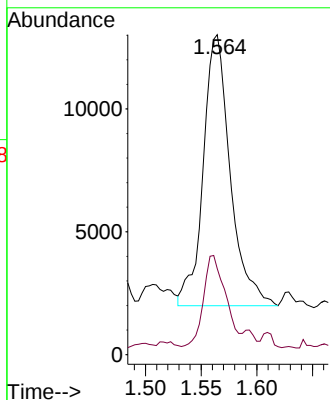
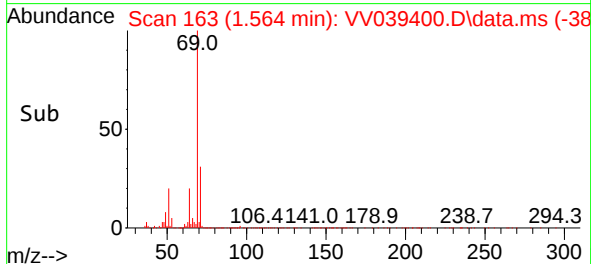
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08



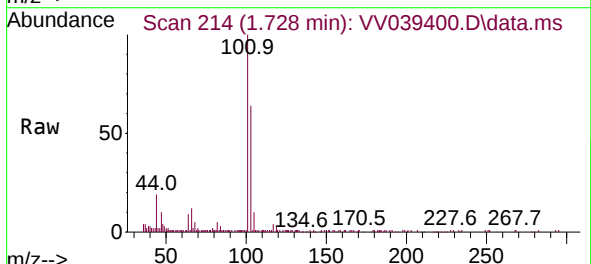
Tgt Ion: 64 Resp: 18676
Ion Ratio Lower Upper
64 100
66 26.9 21.6 40.2

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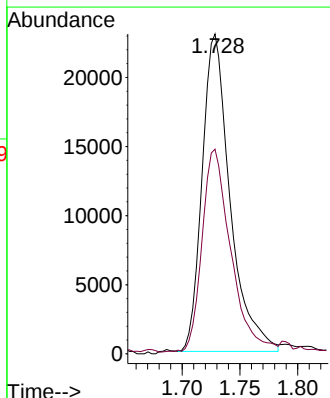
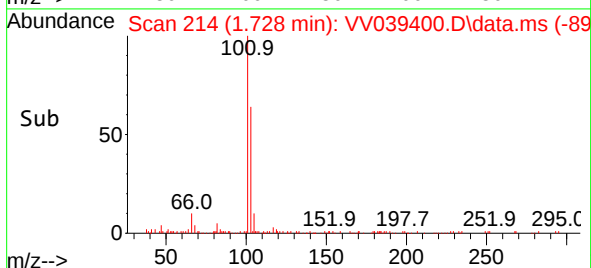
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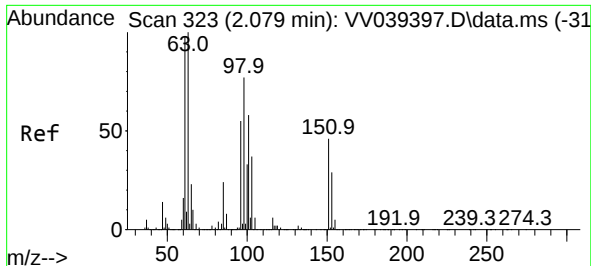


#9
Trichlorofluoromethane
Concen: 2.509 ug/L
RT: 1.728 min Scan# 214
Delta R.T. 0.003 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13



Tgt Ion:101 Resp: 38654
Ion Ratio Lower Upper
101 100
103 65.0 51.0 76.6





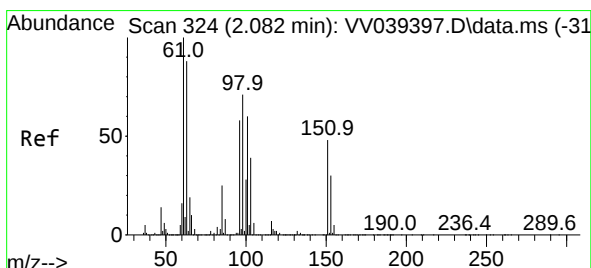
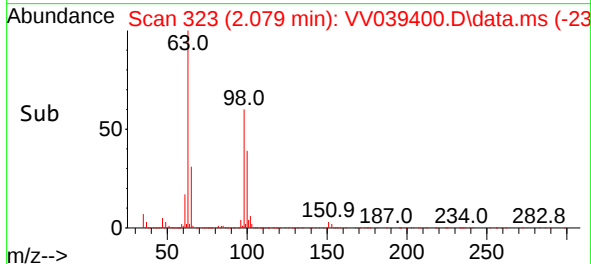
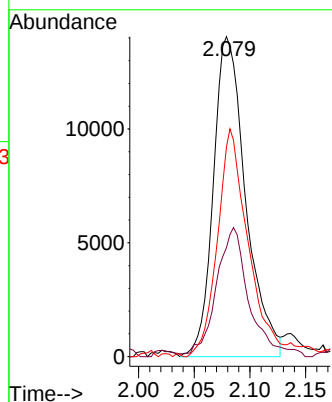
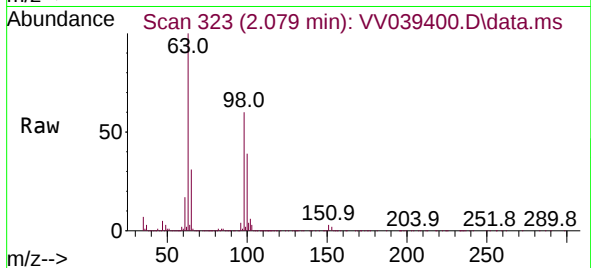
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.033 ug/L
RT: 2.079 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08

Tgt Ion: 101 Resp: 28395
Ion Ratio Lower Upper
101 100
85 34.5 33.7 50.5
151 67.0 63.6 95.4

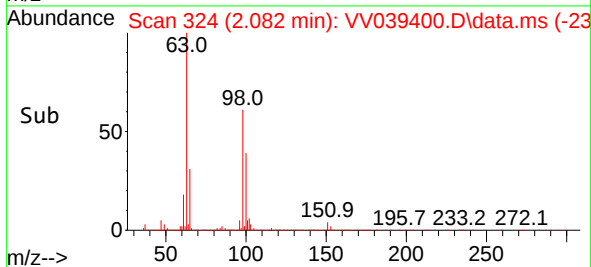
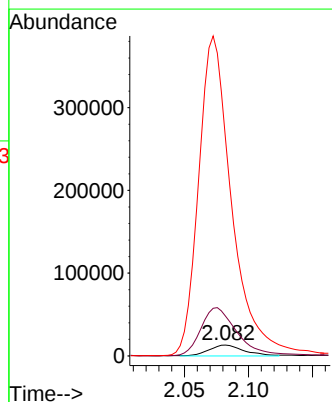
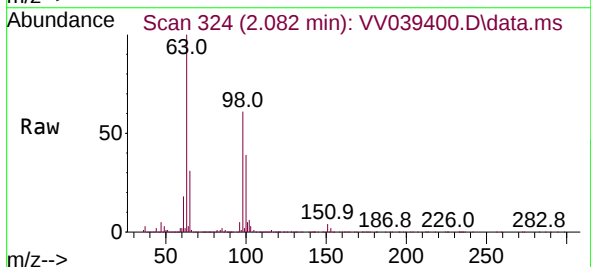
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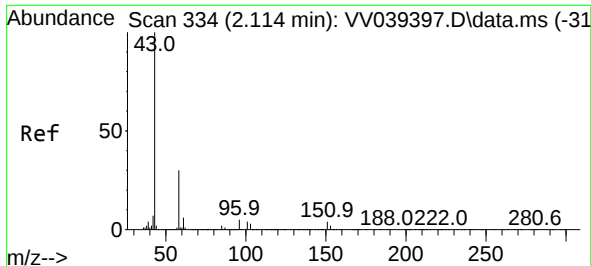
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#12
1,1-Dichloroethene
Concen: 3.080 ug/L m
RT: 2.082 min Scan# 324
Delta R.T. -0.000 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Tgt Ion: 96 Resp: 24826
Ion Ratio Lower Upper
96 100
61 367.8 124.3 230.8#
63 2006.4 121.8 226.2#





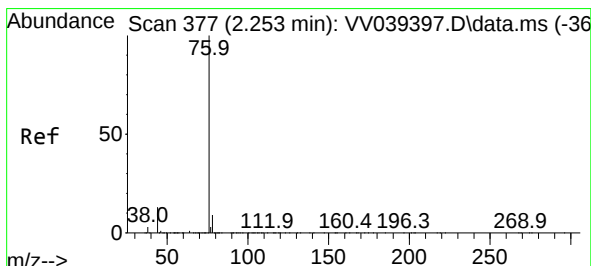
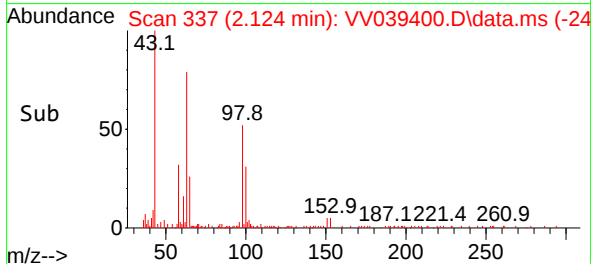
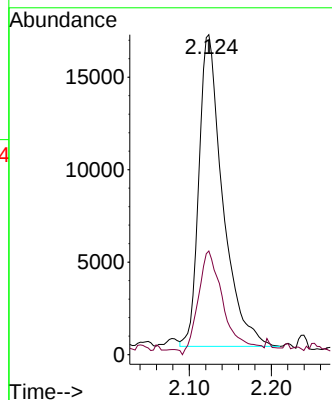
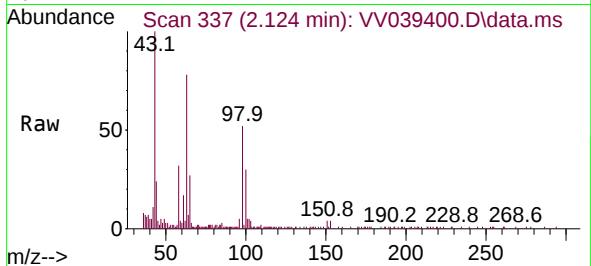
#13
Acetone
Concen: 4.433 ug/L
RT: 2.124 min Scan# 334
Delta R.T. 0.010 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2025-08

Tgt Ion: 43 Resp: 33933
Ion Ratio Lower Upper
43 100
58 36.5 0.0 63.2

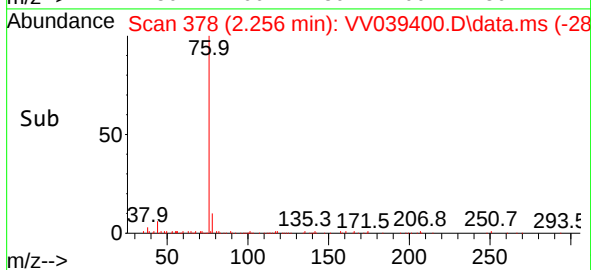
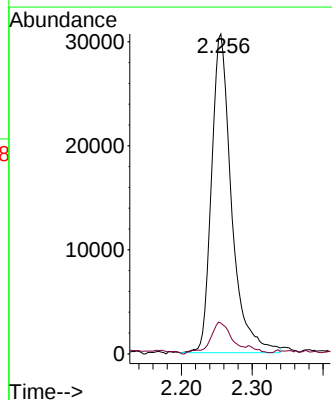
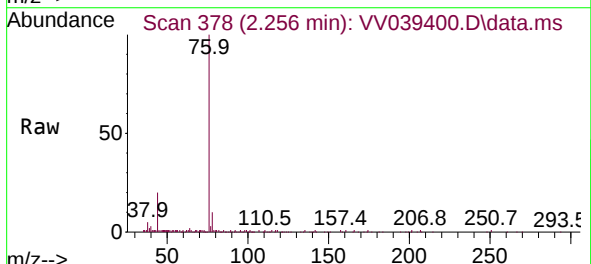
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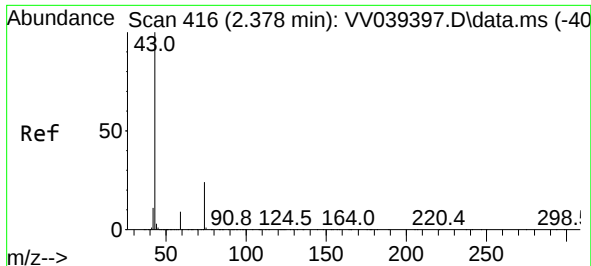
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Supervised By :Mahesh Dadoda 11/19/2025



#14
Carbon disulfide
Concen: 2.631 ug/L
RT: 2.256 min Scan# 378
Delta R.T. 0.003 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

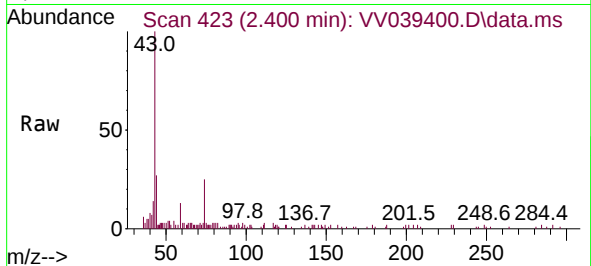
Tgt Ion: 76 Resp: 60181
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.2





#15
Methyl Acetate
Concen: 2.589 ug/L m
RT: 2.400 min Scan# 416
Delta R.T. 0.022 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

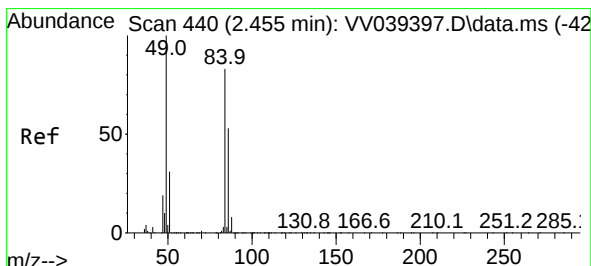
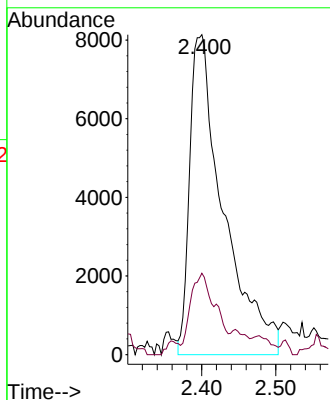
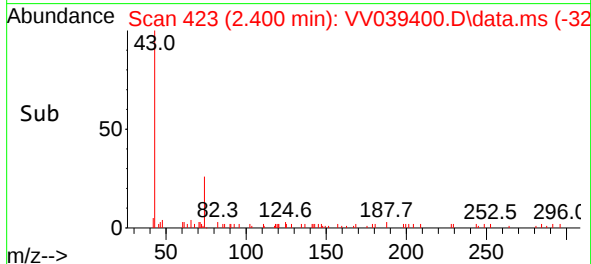
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08



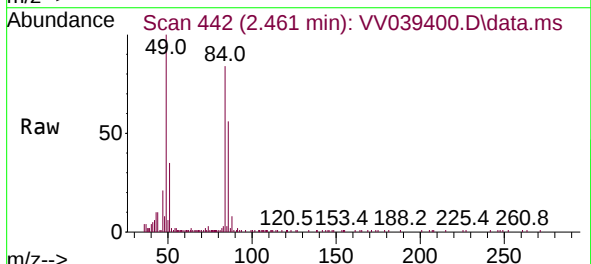
Tgt Ion: 43 Resp: 25753
Ion Ratio Lower Upper
43 100
74 0.2 18.7 28.1

Manual Integrations
APPROVED

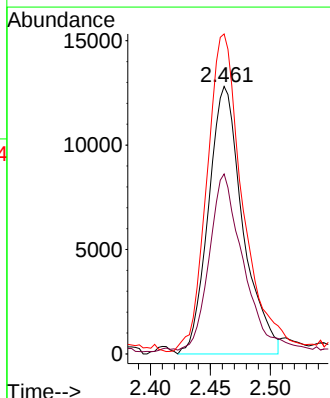
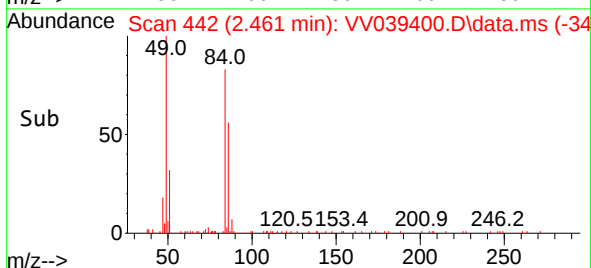
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

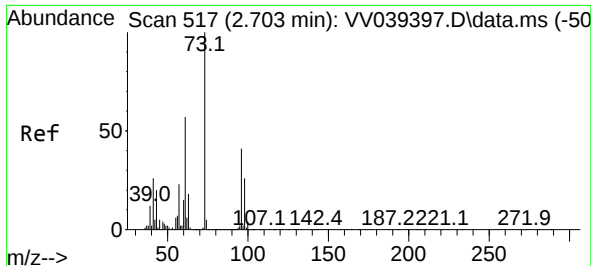


#16
Methylene chloride
Concen: 2.707 ug/L
RT: 2.461 min Scan# 442
Delta R.T. 0.006 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13



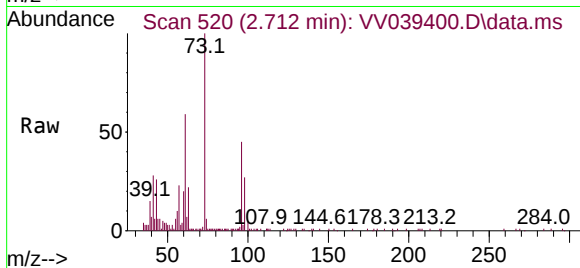
Tgt Ion: 84 Resp: 25553
Ion Ratio Lower Upper
84 100
86 67.3 44.4 82.5
49 119.7 88.2 163.8





#17
trans-1,2-Dichloroethene
Concen: 2.234 ug/L
RT: 2.712 min Scan# 517
Delta R.T. 0.010 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

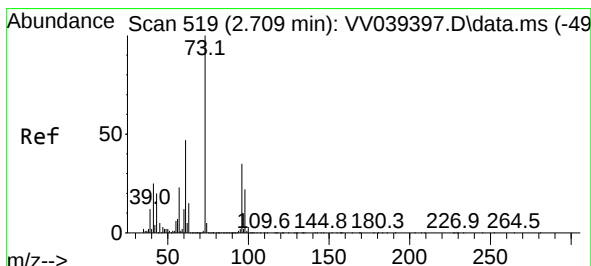
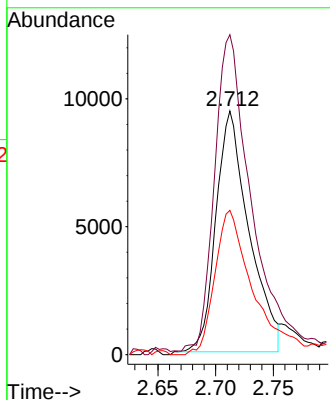
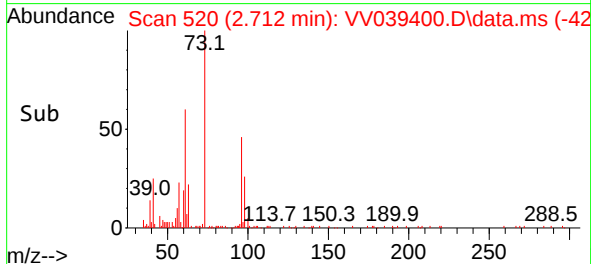
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2025-08



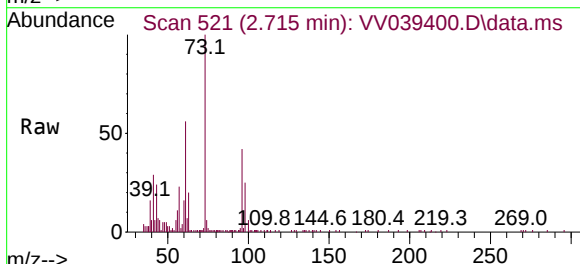
Tgt Ion: 96 Resp: 18776
Ion Ratio Lower Upper
96 100
61 131.3 96.1 178.5
98 59.2 45.0 83.6

Manual Integrations
APPROVED

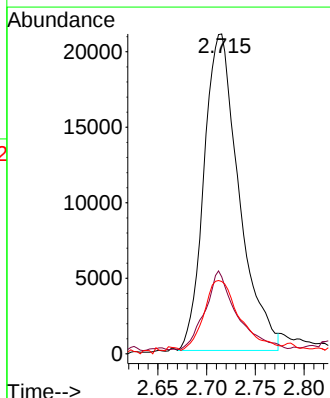
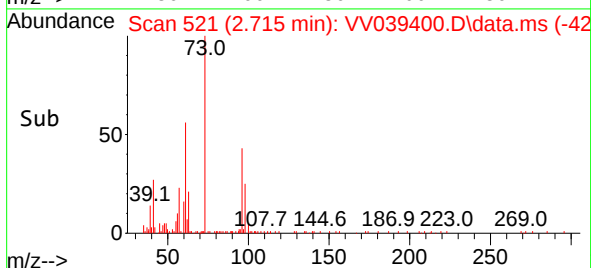
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

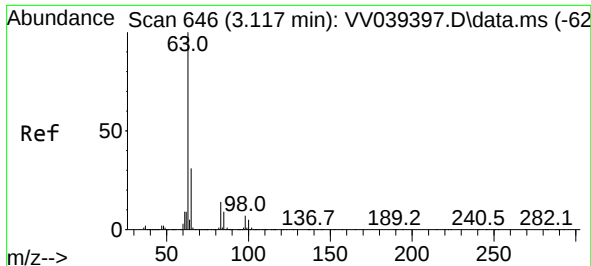


#18
Methyl tert-butyl Ether
Concen: 2.038 ug/L
RT: 2.715 min Scan# 521
Delta R.T. 0.006 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13



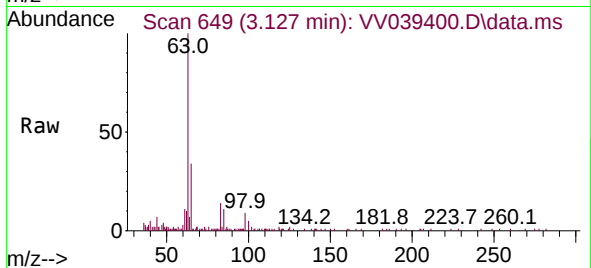
Tgt Ion: 73 Resp: 52272
Ion Ratio Lower Upper
73 100
43 22.5 15.4 23.2
57 22.6 17.6 26.4





#19
1,1-Dichloroethane
Concen: 2.252 ug/L
RT: 3.127 min Scan# 646
Delta R.T. 0.010 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

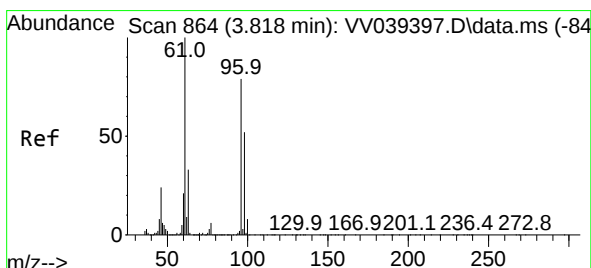
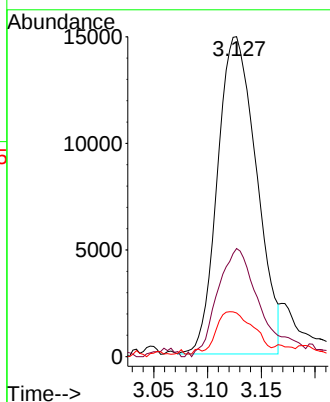
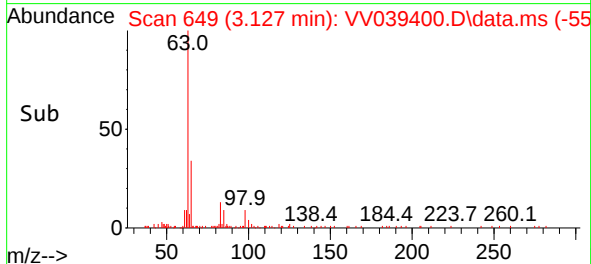
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2025-08



Tgt Ion: 63 Resp: 37509
Ion Ratio Lower Upper
63 100
65 33.8 22.4 41.6
83 13.6 9.6 17.8

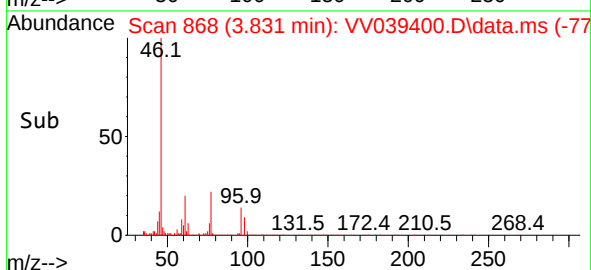
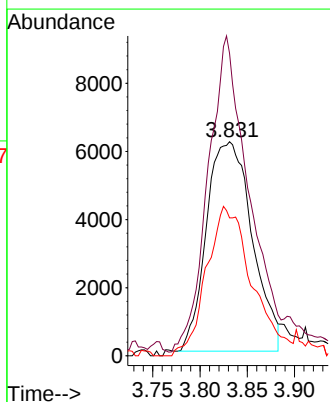
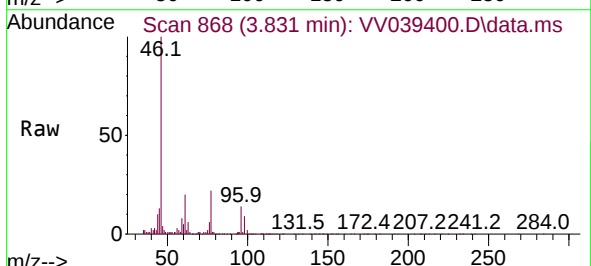
Manual Integrations
APPROVED

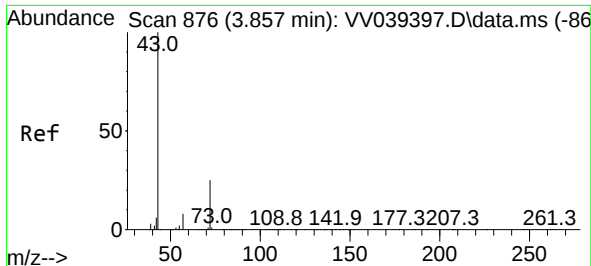
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#20
cis-1,2-Dichloroethene
Concen: 2.295 ug/L
RT: 3.831 min Scan# 868
Delta R.T. 0.013 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

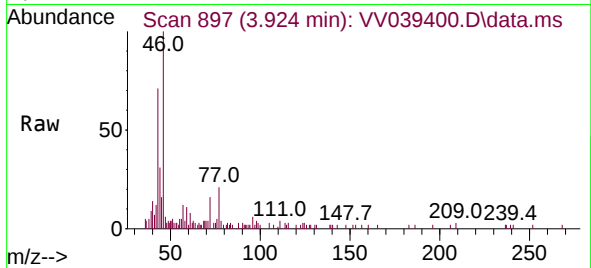
Tgt Ion: 96 Resp: 20767
Ion Ratio Lower Upper
96 100
61 141.3 87.3 162.1
98 64.4 45.1 83.7





#22
2-Butanone
Concen: 4.845 ug/L m
RT: 3.924 min Scan# 897
Delta R.T. 0.067 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

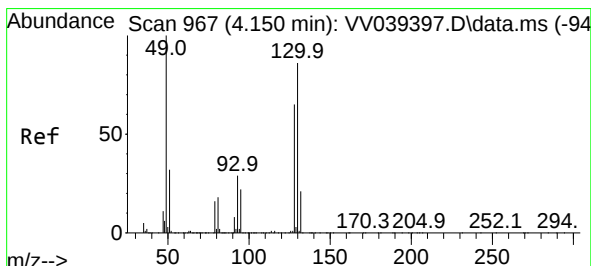
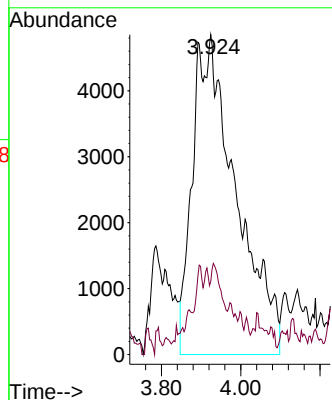
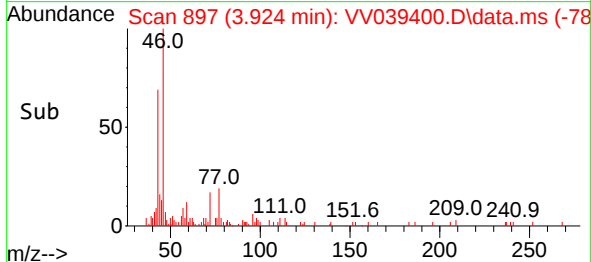
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08



Tgt Ion: 43 Resp: 3689
Ion Ratio Lower Upper
43 100
72 3.2 13.3 39.9

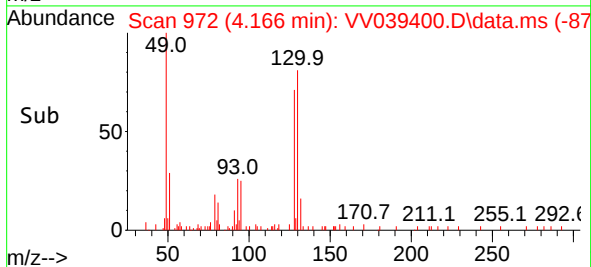
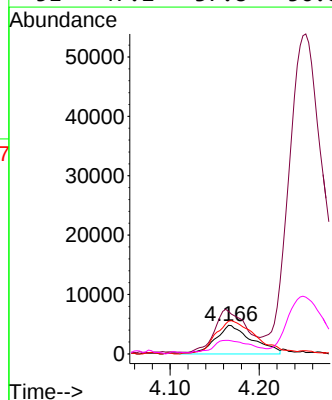
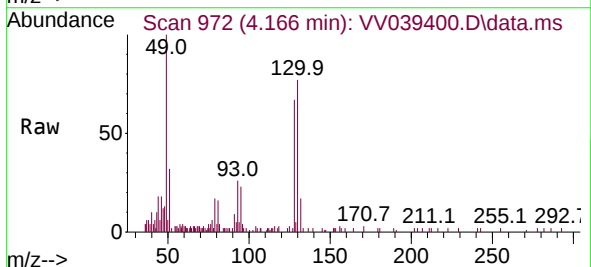
Manual Integrations
APPROVED

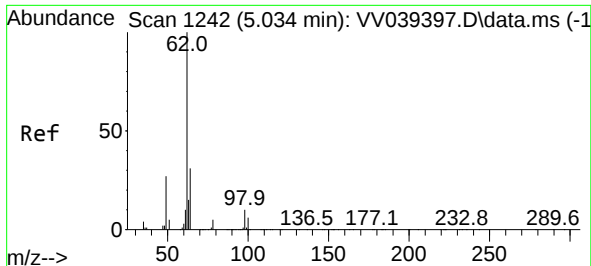
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#23
Bromochloromethane
Concen: 2.566 ug/L
RT: 4.166 min Scan# 972
Delta R.T. 0.016 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Tgt Ion:128 Resp: 13711
Ion Ratio Lower Upper
128 100
49 148.8 108.6 201.6
130 114.2 89.2 165.6
51 47.2 37.8 56.8





#27

1,2-Dichloroethane

Concen: 2.301 ug/L

RT: 5.053 min Scan# 1103

Delta R.T. 0.019 min

Lab File: VV039400.D

Acq: 18 Nov 2025 11:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2025-08

Tgt Ion: 62 Resp: 30838

Ion Ratio Lower Upper

62 100

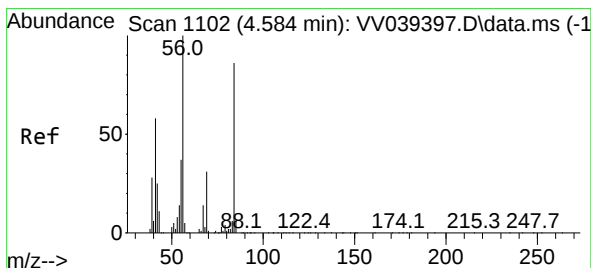
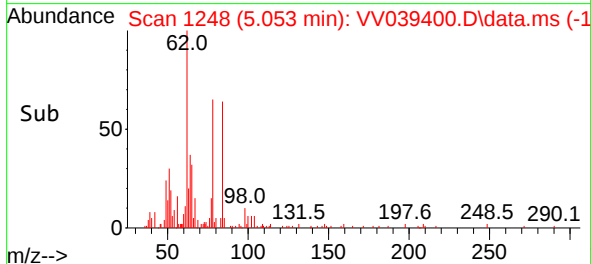
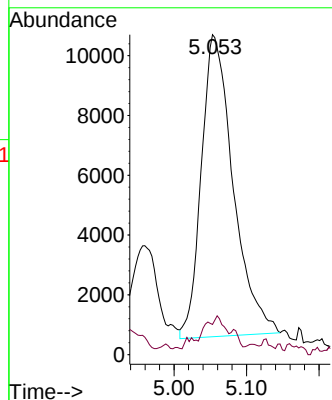
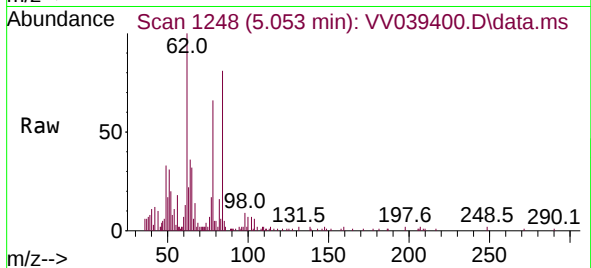
98 9.4 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025



#29

Cyclohexane

Concen: 1.984 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VV039400.D

Acq: 18 Nov 2025 11:13

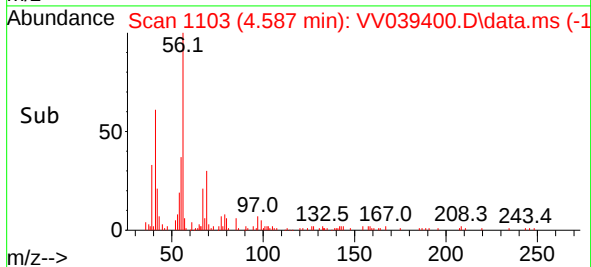
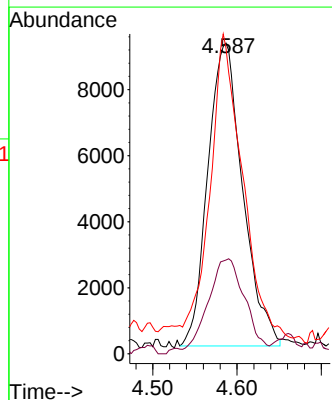
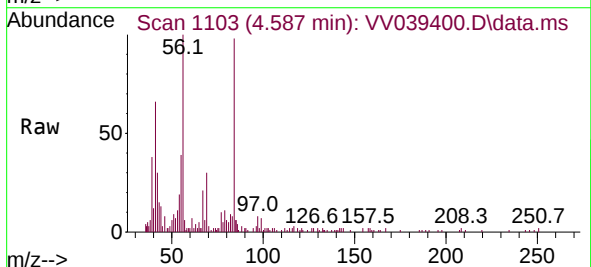
Tgt Ion: 56 Resp: 26377

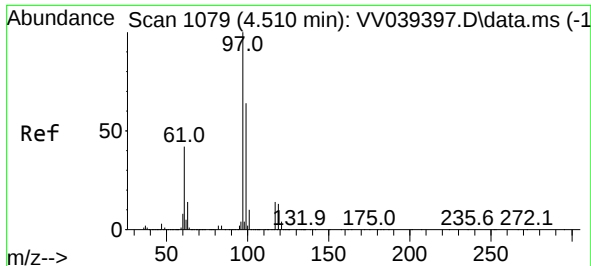
Ion Ratio Lower Upper

56 100

69 31.4 24.1 36.1

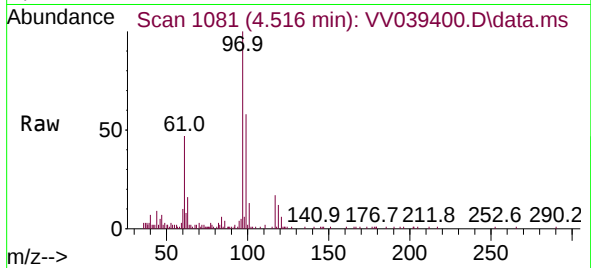
84 83.2 70.7 106.1





#30
1,1,1-Trichloroethane
Concen: 2.426 ug/L
RT: 4.516 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

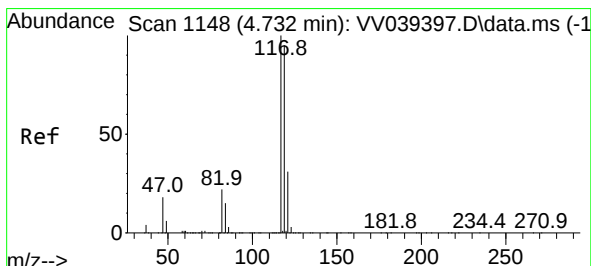
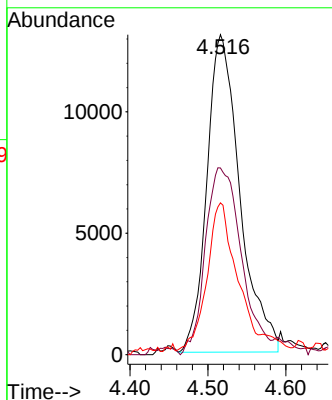
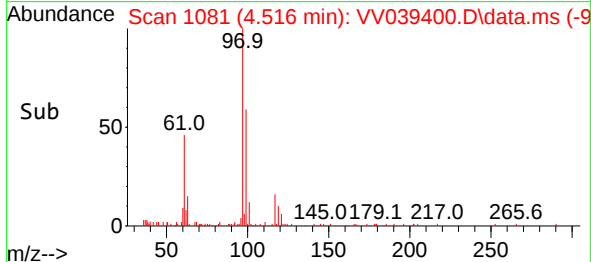
Instrument : MSVOA_V
ClientSampleId : VV039400.D
MDL-WATER-QT4-2025-08



Tgt Ion: 97 Resp: 38528
Ion Ratio Lower Upper
97 100
99 64.1 51.6 77.4
61 41.3 34.5 51.7

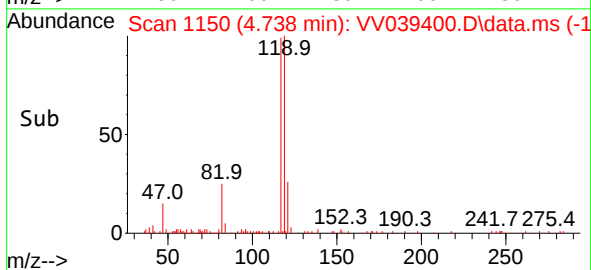
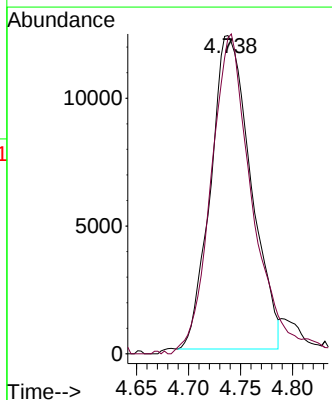
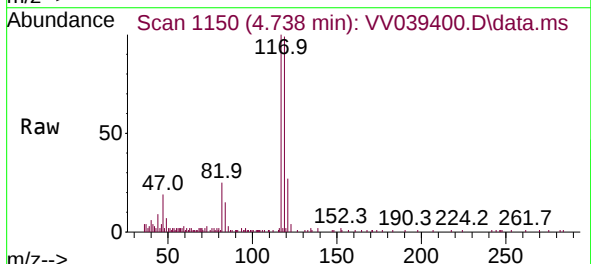
Manual Integrations
APPROVED

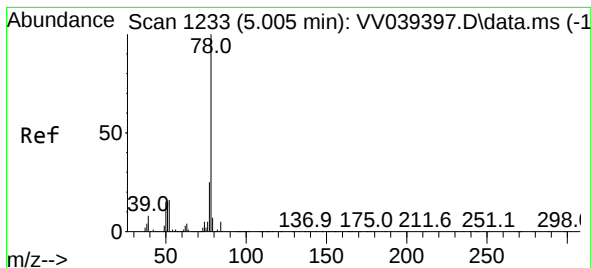
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#31
Carbon tetrachloride
Concen: 2.261 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. 0.006 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Tgt Ion:117 Resp: 33060
Ion Ratio Lower Upper
117 100
119 103.1 76.7 115.1





#33

Benzene

Concen: 2.516 ug/L

RT: 5.014 min Scan# 11

Delta R.T. 0.010 min

Lab File: VV039400.D

Acq: 18 Nov 2025 11:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2025-08

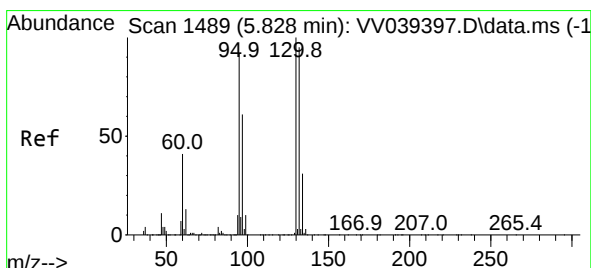
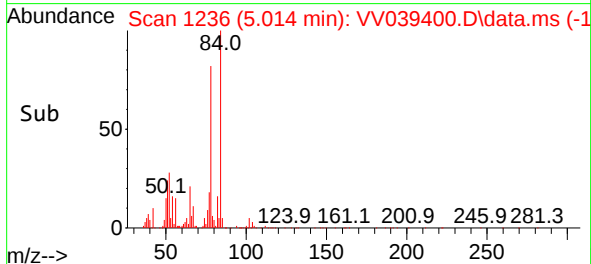
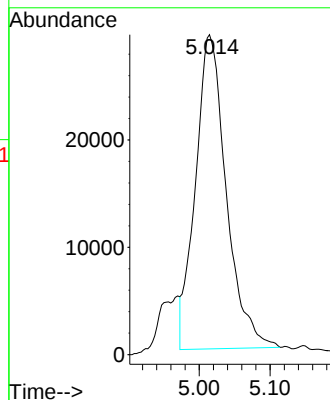
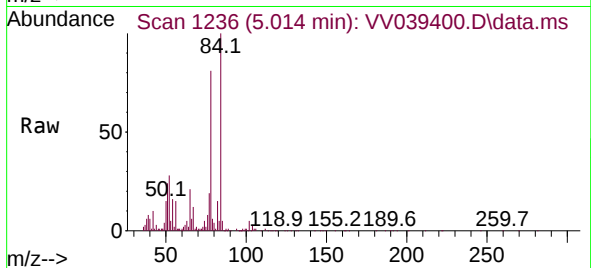
Tgt Ion: 78 Resp: 8819

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025



#34

Trichloroethene

Concen: 2.512 ug/L m

RT: 5.847 min Scan# 1495

Delta R.T. 0.019 min

Lab File: VV039400.D

Acq: 18 Nov 2025 11:13

Tgt Ion: 95 Resp: 23795

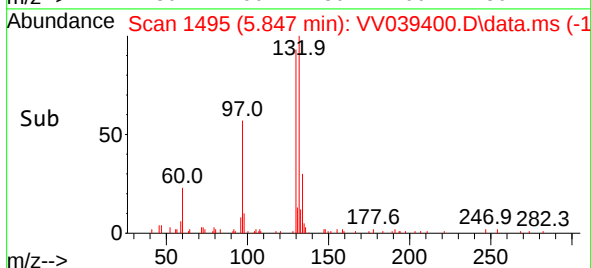
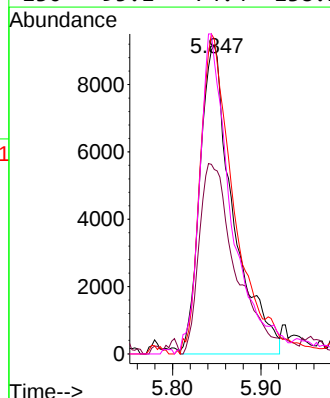
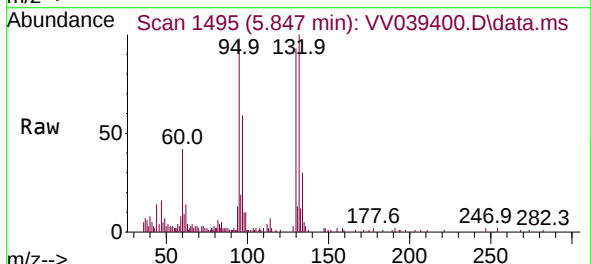
Ion Ratio Lower Upper

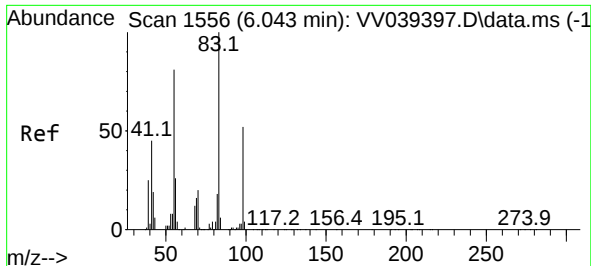
95 100

97 59.8 44.4 82.5

132 102.1 71.9 133.5

130 95.1 74.4 138.2





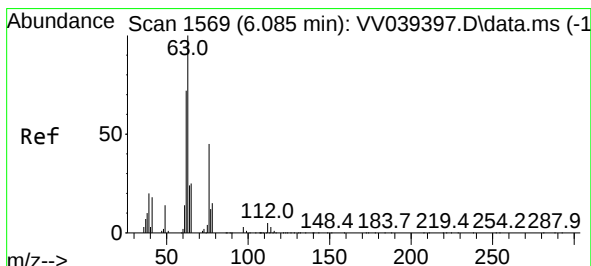
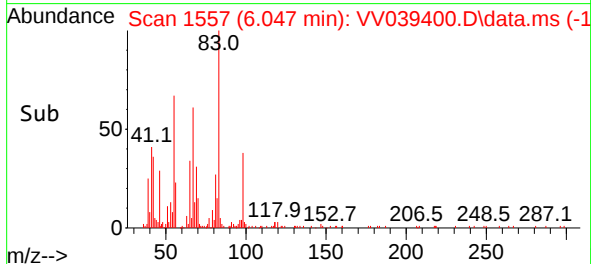
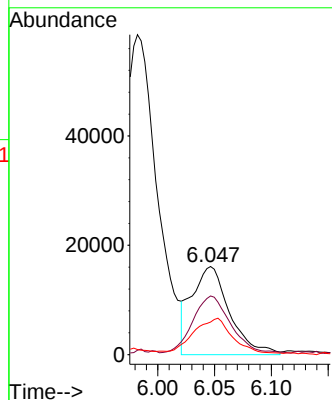
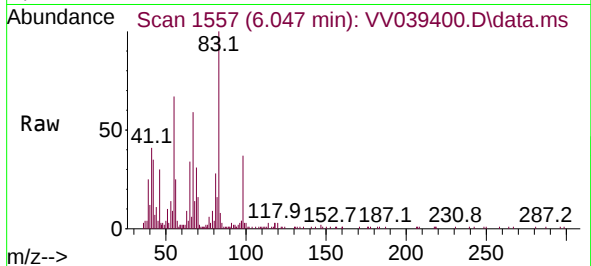
#35
Methylcyclohexane
Concen: 2.692 ug/L m
RT: 6.047 min Scan# 1556
Delta R.T. 0.003 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2025-08

Tgt Ion: 83 Resp: 37474
Ion Ratio Lower Upper
83 100
55 66.2 62.5 93.7
98 40.9 39.2 58.8

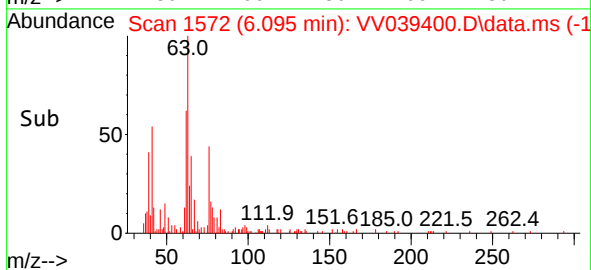
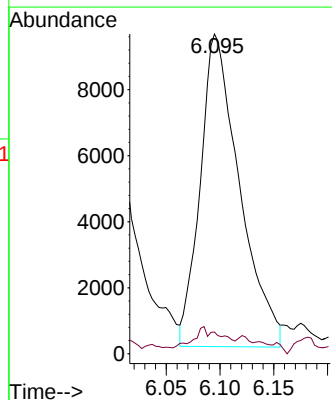
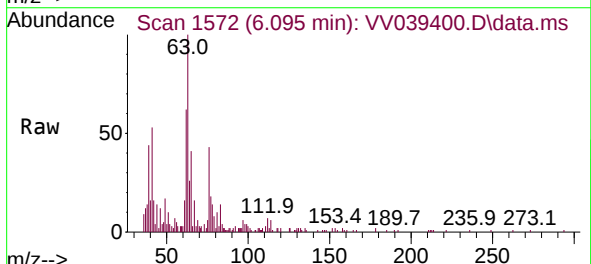
Manual Integrations
APPROVED

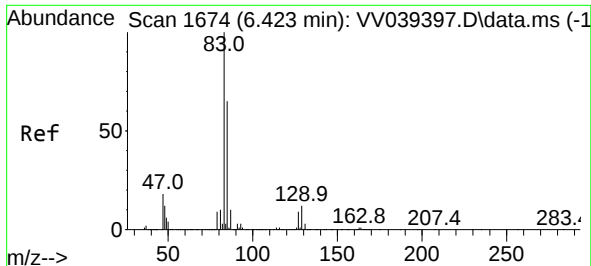
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#37
1,2-Dichloropropane
Concen: 2.425 ug/L
RT: 6.095 min Scan# 1572
Delta R.T. 0.010 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Tgt Ion: 63 Resp: 24048
Ion Ratio Lower Upper
63 100
112 0.9 3.7 5.5#





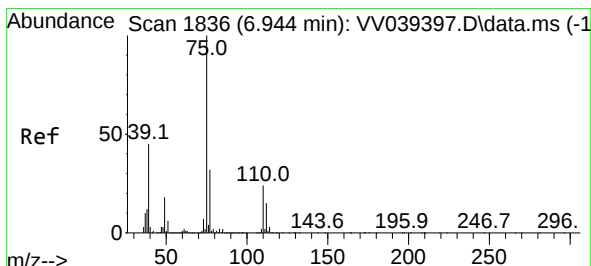
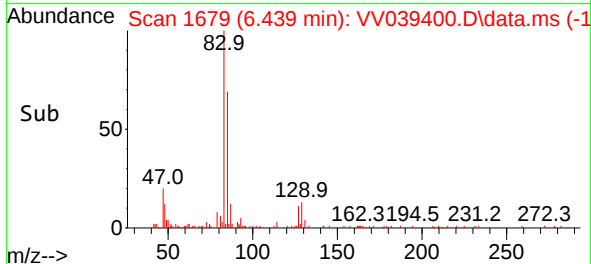
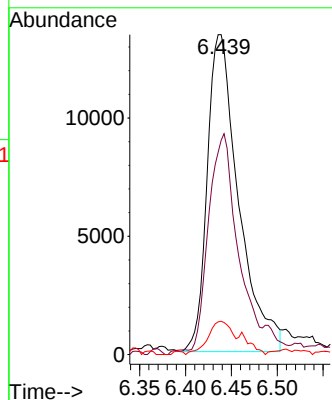
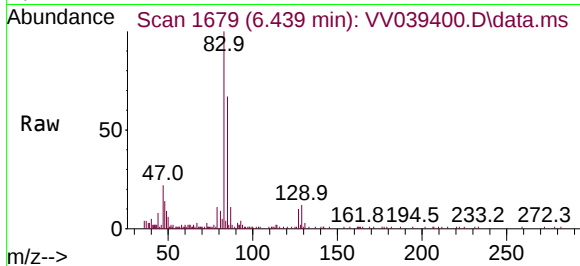
#38
Bromodichloromethane
Concen: 2.321 ug/L
RT: 6.439 min Scan# 1674
Delta R.T. 0.016 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	44.9	83.5
127	10.4	7.4	11.0

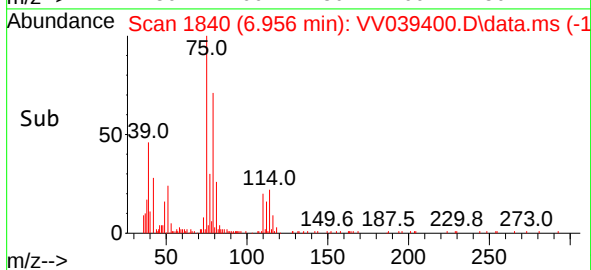
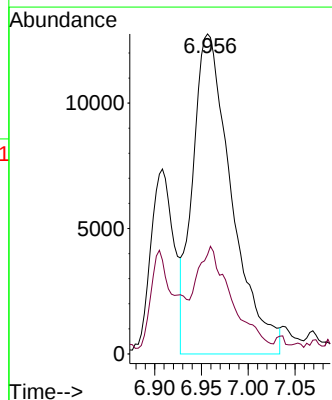
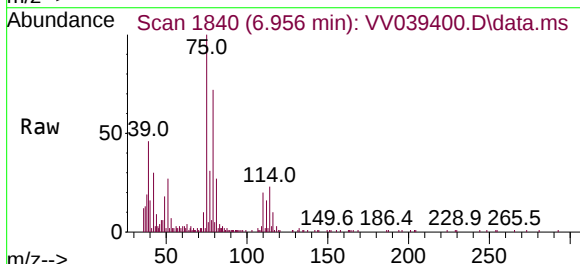
Manual Integrations
APPROVED

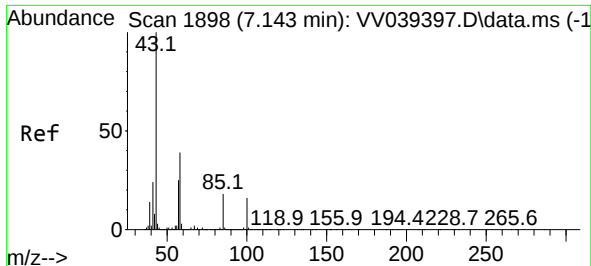
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#39
cis-1,3-Dichloropropene
Concen: 2.410 ug/L m
RT: 6.956 min Scan# 1840
Delta R.T. 0.013 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	22.3	41.5





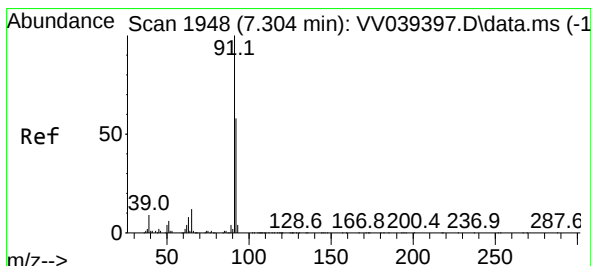
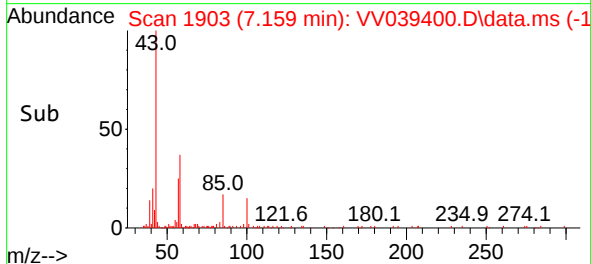
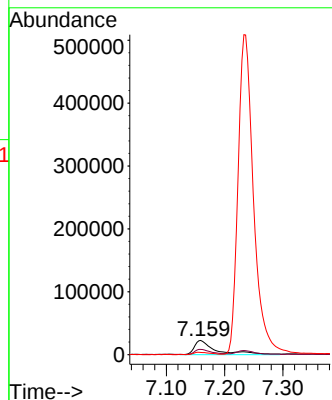
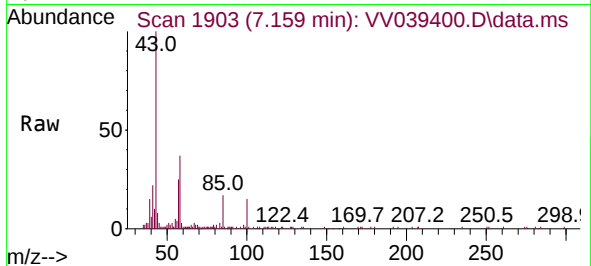
#40
4-Methyl-2-pentanone
Concen: 4.636 ug/L m
RT: 7.159 min Scan# 1952
Delta R.T. 0.016 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08

Tgt Ion: 43 Resp: 57792
Ion Ratio Lower Upper
43 100
58 27.8 30.8 46.2
100 12.5 12.5 18.7

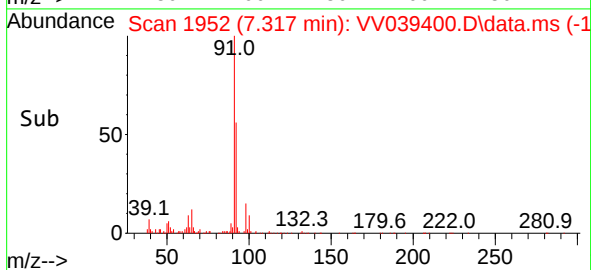
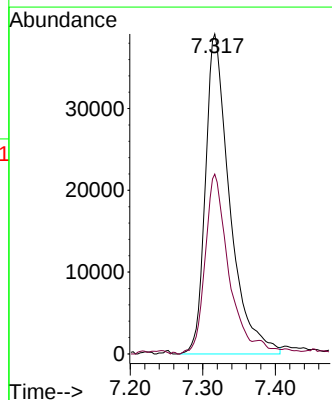
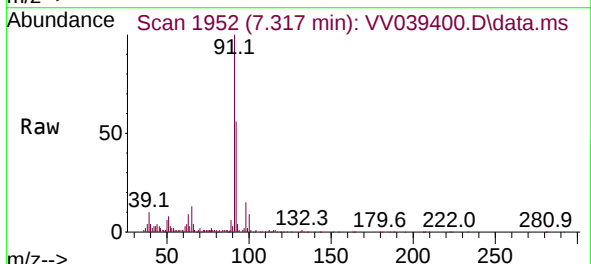
Manual Integrations
APPROVED

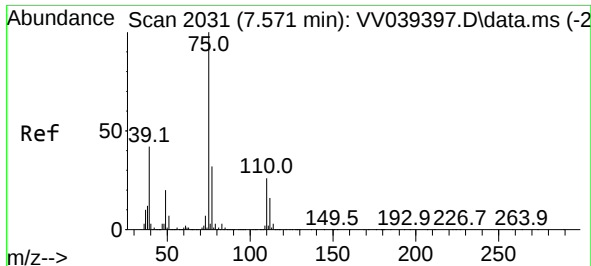
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#42
Toluene
Concen: 2.455 ug/L
RT: 7.317 min Scan# 1952
Delta R.T. 0.013 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Tgt Ion: 91 Resp: 91212
Ion Ratio Lower Upper
91 100
92 56.2 40.4 75.0





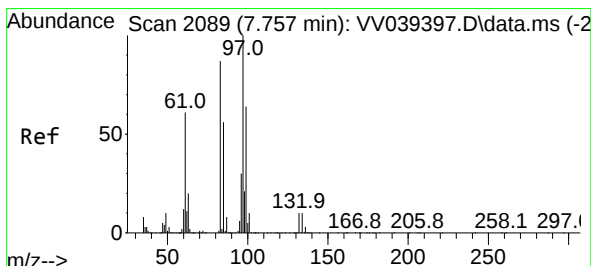
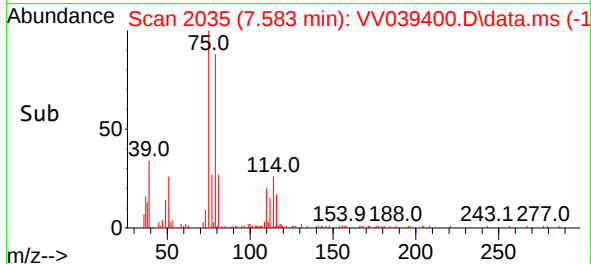
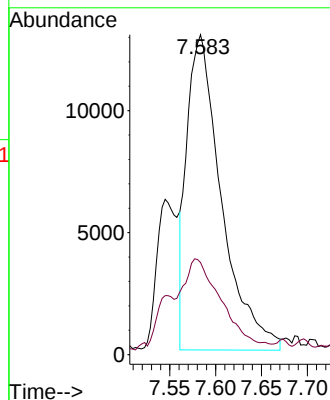
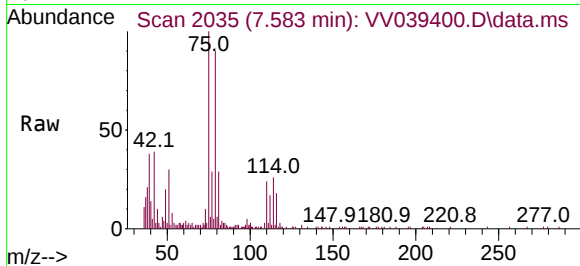
#44
trans-1,3-Dichloropropene
Concen: 2.301 ug/L
RT: 7.583 min Scan# 2031
Delta R.T. 0.013 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2025-08

Tgt Ion: 75 Resp: 33876
Ion Ratio Lower Upper
75 100
77 28.8 23.0 42.6

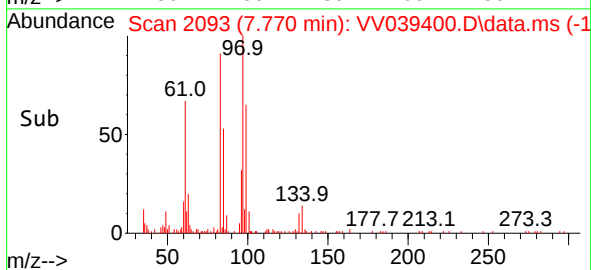
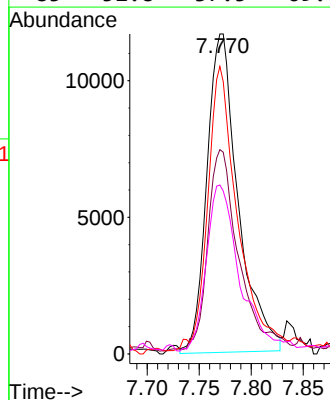
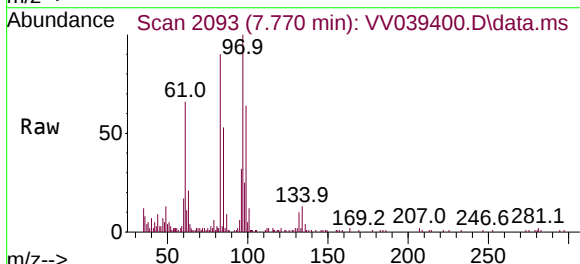
Manual Integrations
APPROVED

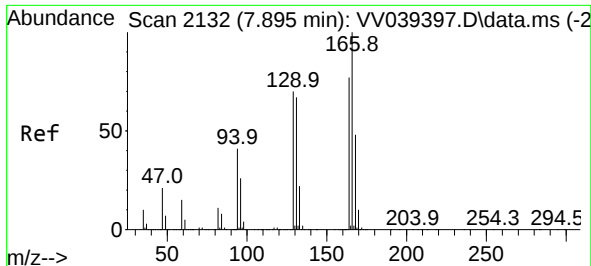
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#45
1,1,2-Trichloroethane
Concen: 2.369 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. 0.013 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

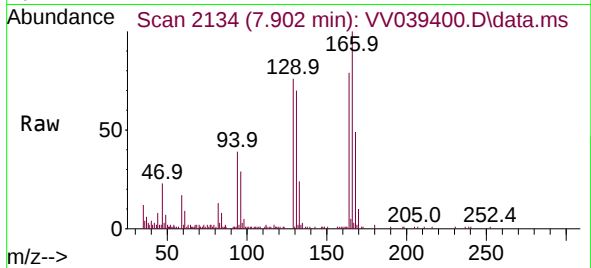
Tgt Ion: 97 Resp: 24435
Ion Ratio Lower Upper
97 100
99 63.8 43.7 81.1
83 89.8 59.1 109.9
85 52.8 37.5 69.7





#46
Tetrachloroethene
Concen: 2.344 ug/L
RT: 7.902 min Scan# 2132
Delta R.T. 0.006 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

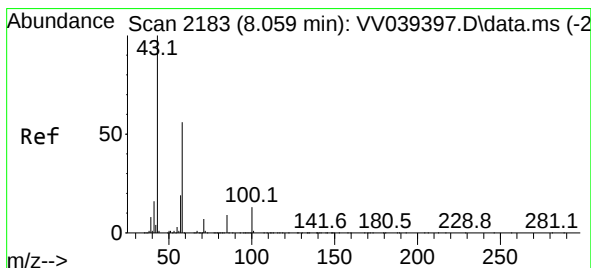
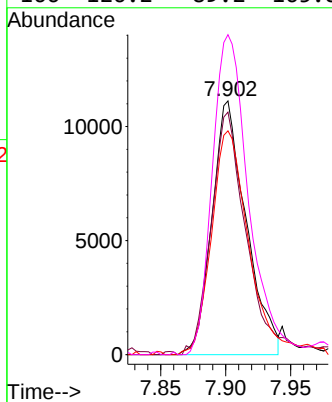
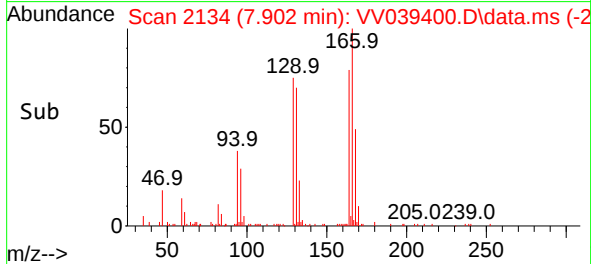
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08



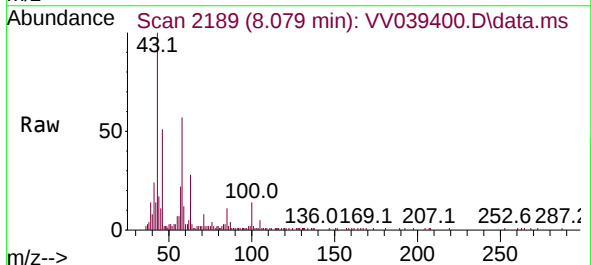
Tgt Ion:164 Resp: 20396
Ion Ratio Lower Upper
164 100
129 95.6 62.0 115.2
131 88.2 59.1 109.7
166 126.2 89.2 165.8

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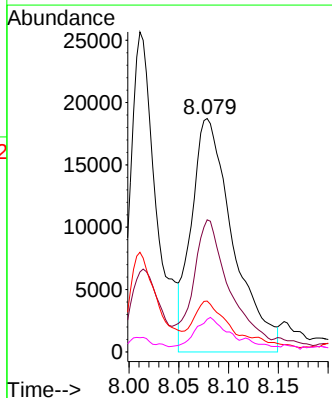
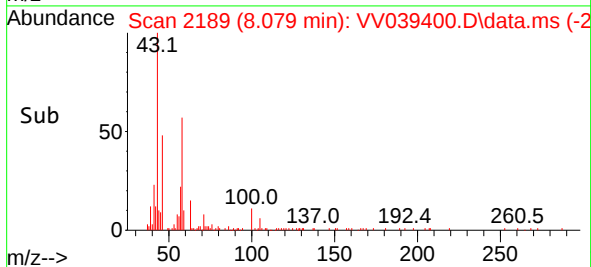
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

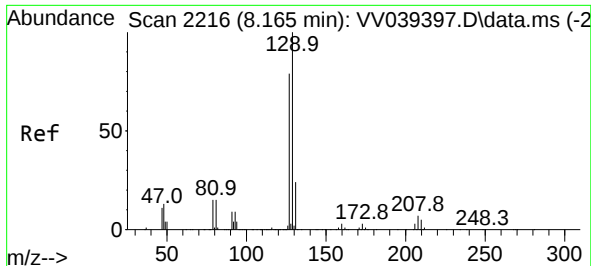


#48
2-Hexanone
Concen: 5.212 ug/L m
RT: 8.079 min Scan# 2189
Delta R.T. 0.019 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13



Tgt Ion: 43 Resp: 54279
Ion Ratio Lower Upper
43 100
58 42.4 45.0 67.4#
57 10.9 15.0 22.6#
100 8.3 10.1 15.1#





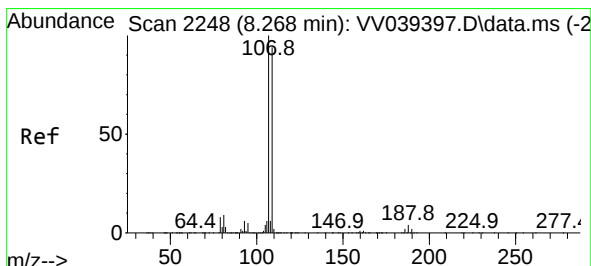
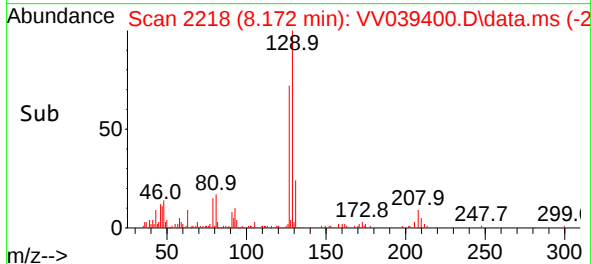
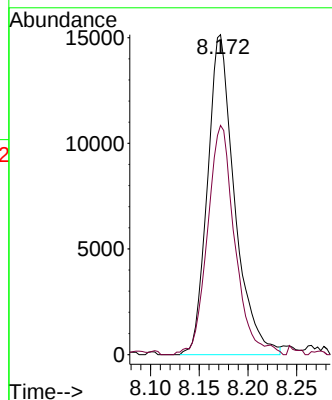
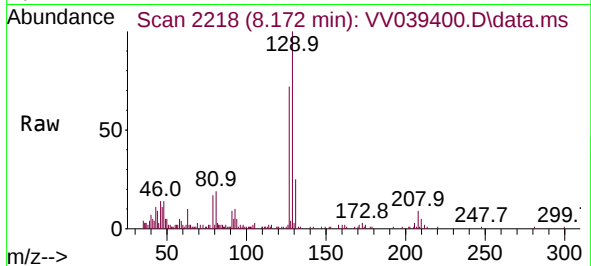
#49
Dibromochloromethane
Concen: 2.487 ug/L
RT: 8.172 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08

Tgt Ion:129 Resp: 2930
Ion Ratio Lower Upper
129 100
127 71.6 54.8 101.8

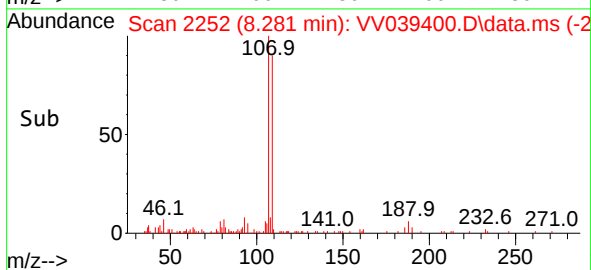
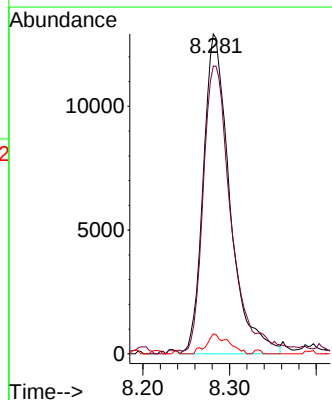
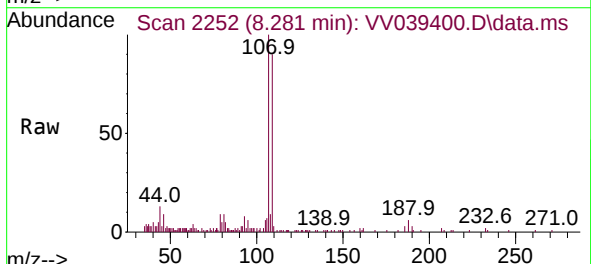
Manual Integrations
APPROVED

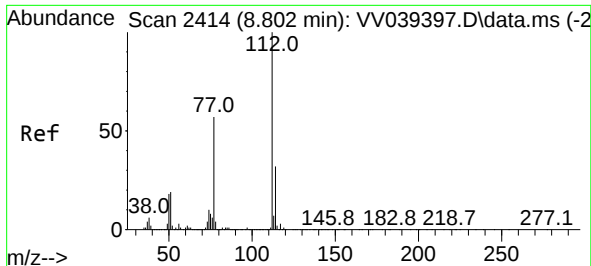
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#50
1,2-Dibromoethane
Concen: 2.480 ug/L
RT: 8.281 min Scan# 2252
Delta R.T. 0.013 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Tgt Ion:107 Resp: 27548
Ion Ratio Lower Upper
107 100
109 90.0 65.0 120.8
188 6.3 3.2 4.8#





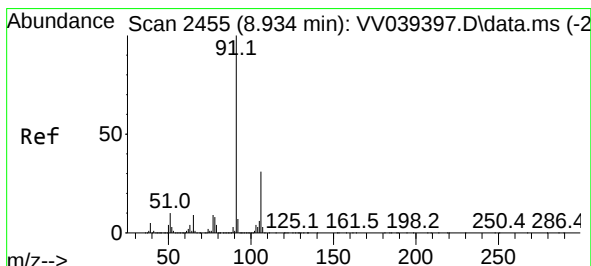
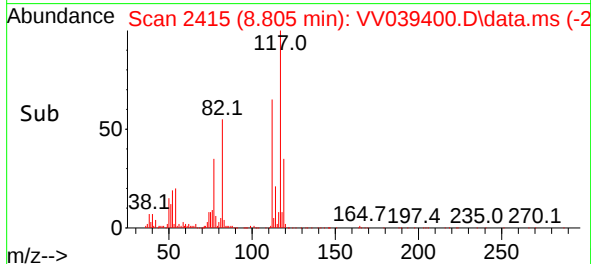
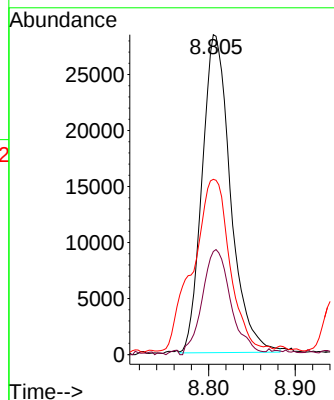
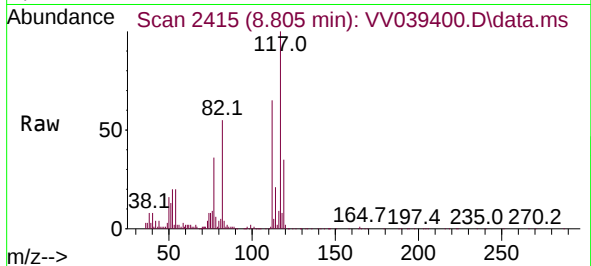
#51
Chlorobenzene
Concen: 2.427 ug/L
RT: 8.805 min Scan# 2414
Delta R.T. 0.003 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2025-08

Tgt Ion: 112 Resp: 64639
Ion Ratio Lower Upper
112 100
114 32.2 22.4 41.6
77 54.8 45.1 67.7

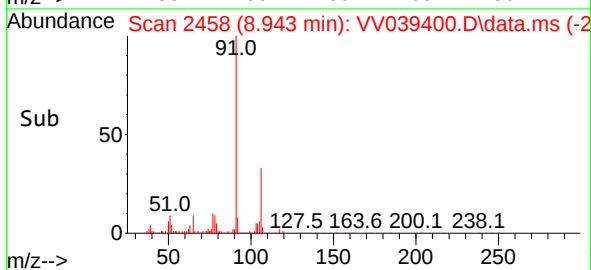
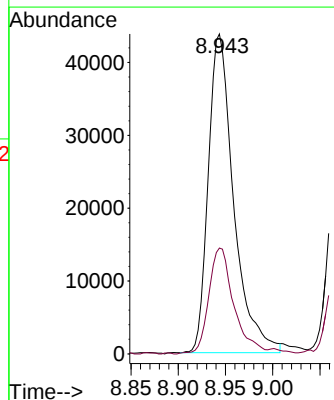
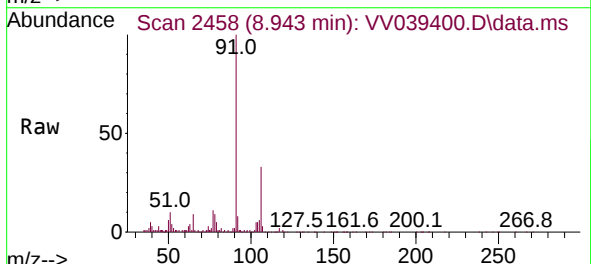
Manual Integrations
APPROVED

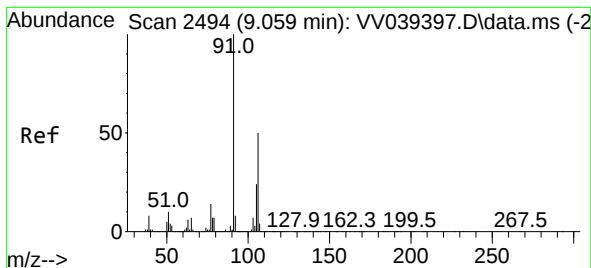
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#52
Ethylbenzene
Concen: 2.028 ug/L
RT: 8.943 min Scan# 2458
Delta R.T. 0.010 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

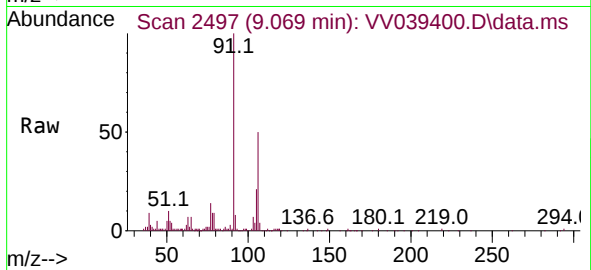
Tgt Ion: 91 Resp: 81904
Ion Ratio Lower Upper
91 100
106 33.1 21.8 40.4





#53
m,p-Xylene
Concen: 1.830 ug/L
RT: 9.069 min Scan# 2494
Delta R.T. 0.010 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

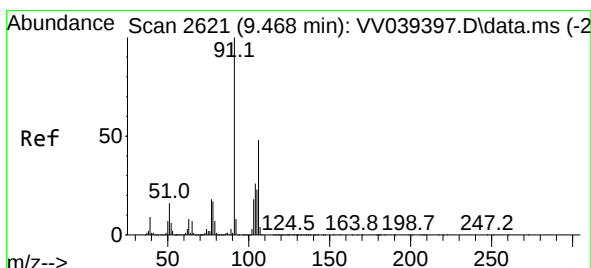
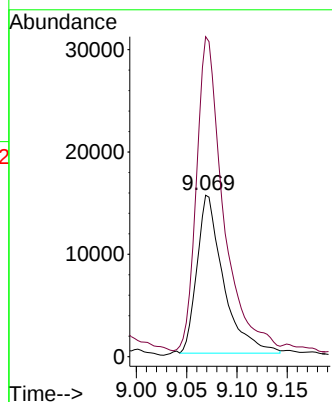
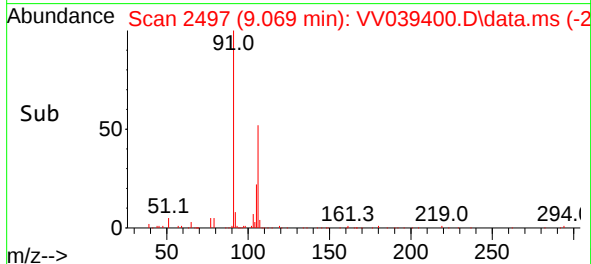
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08



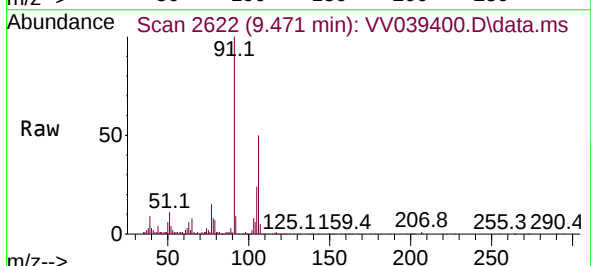
Tgt Ion:106 Resp: 28295
Ion Ratio Lower Upper
106 100
91 198.4 141.1 262.1

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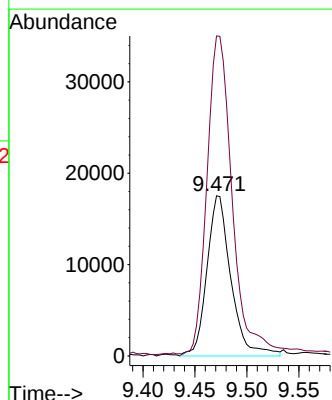
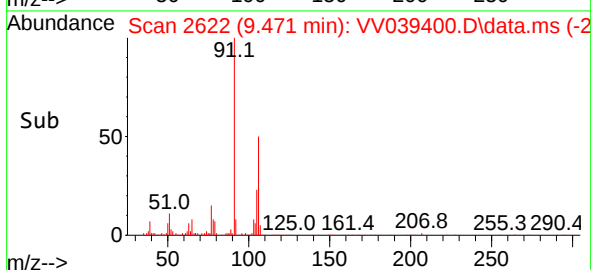
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

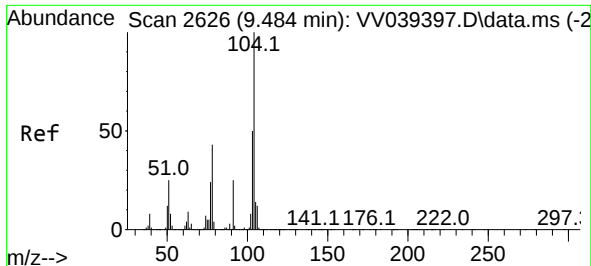


#54
o-Xylene
Concen: 1.908 ug/L
RT: 9.471 min Scan# 2622
Delta R.T. 0.003 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13



Tgt Ion:106 Resp: 28184
Ion Ratio Lower Upper
106 100
91 199.8 149.0 276.6





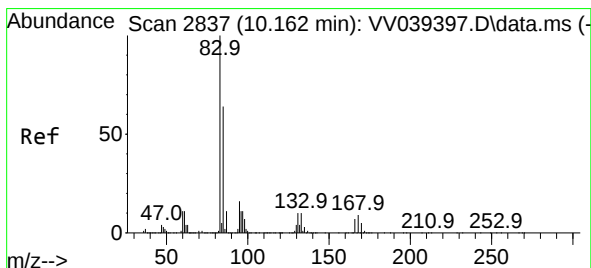
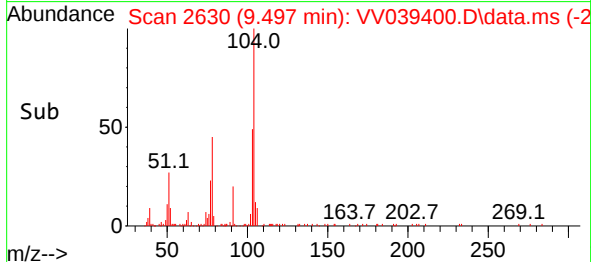
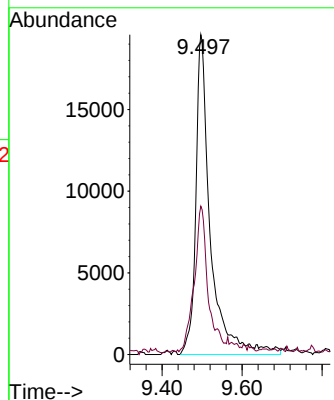
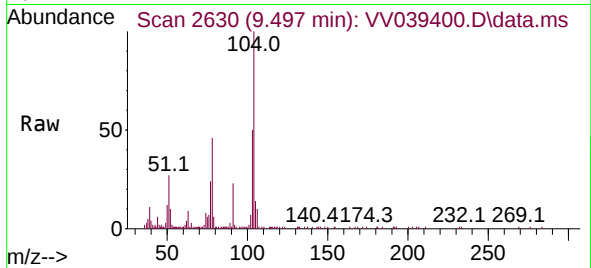
#55
Styrene
Concen: 1.903 ug/L m
RT: 9.497 min Scan# 2630
Delta R.T. 0.013 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08

Tgt Ion:104 Resp: 49430
Ion Ratio Lower Upper
104 100
78 46.4 30.5 56.7

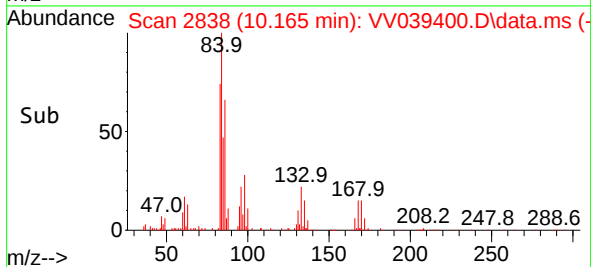
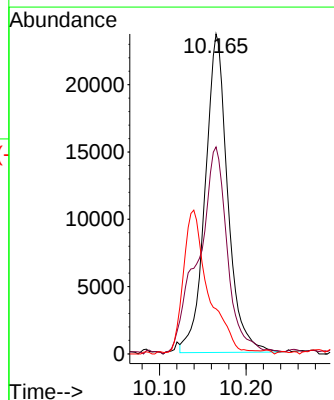
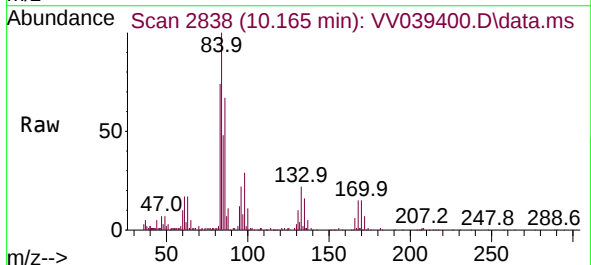
Manual Integrations
APPROVED

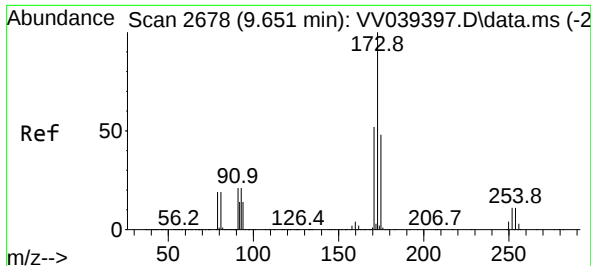
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#57
1,1,2,2-Tetrachloroethane
Concen: 2.581 ug/L
RT: 10.165 min Scan# 2838
Delta R.T. 0.003 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

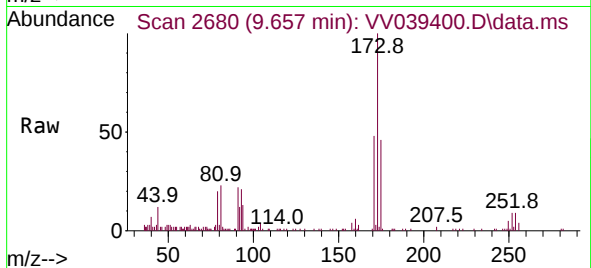
Tgt Ion: 83 Resp: 42764
Ion Ratio Lower Upper
83 100
85 64.7 46.1 85.5
131 14.1 8.3 12.5





#59
Bromoform
Concen: 2.801 ug/L
RT: 9.657 min Scan# 2678
Delta R.T. 0.006 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

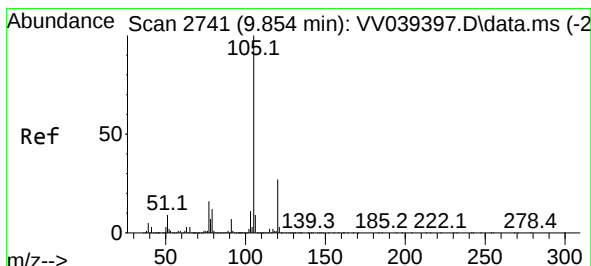
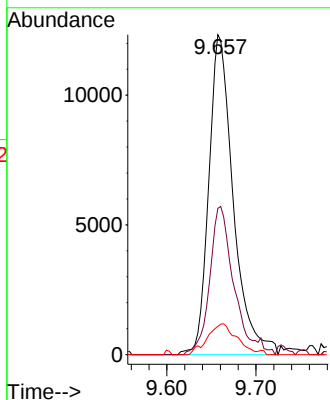
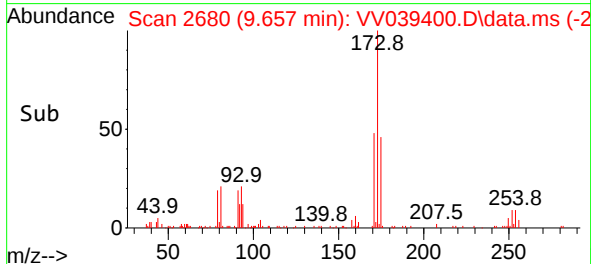
Instrument : MSVOA_V
ClientSampleId : VV039400.D
MDL-WATER-QT4-2025-08



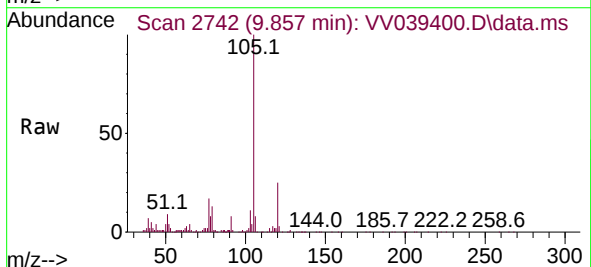
Tgt Ion:173 Resp: 2353
Ion Ratio Lower Upper
173 100
175 44.7 38.5 57.7
254 10.6 8.4 12.6

Manual Integrations
APPROVED

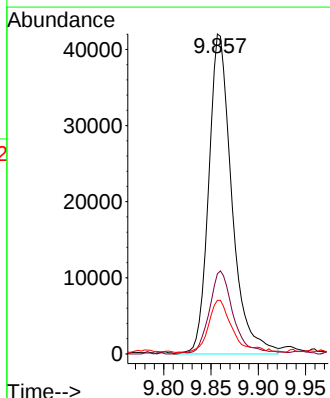
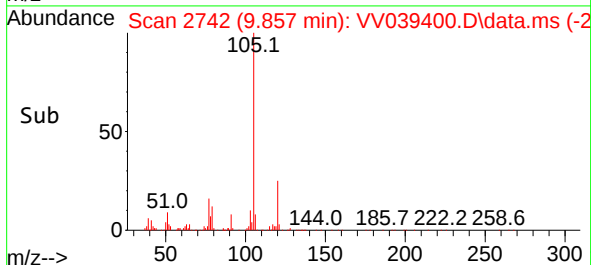
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

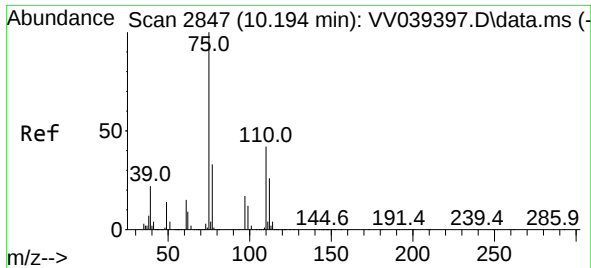


#60
Isopropylbenzene
Concen: 2.144 ug/L
RT: 9.857 min Scan# 2742
Delta R.T. 0.003 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13



Tgt Ion:105 Resp: 71664
Ion Ratio Lower Upper
105 100
120 26.8 21.4 32.0
77 15.8 12.3 18.5





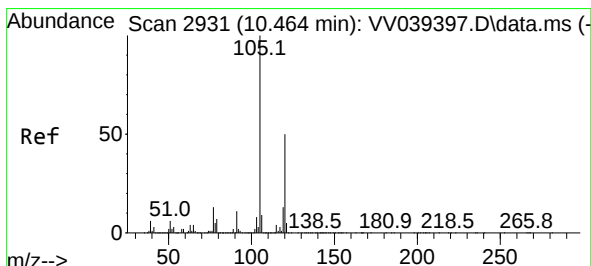
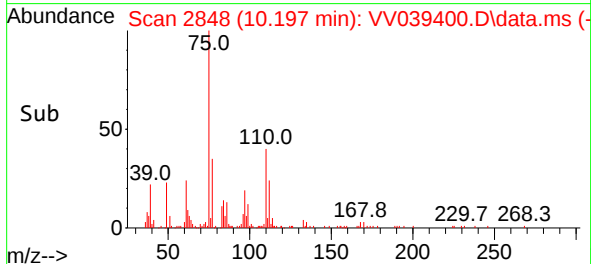
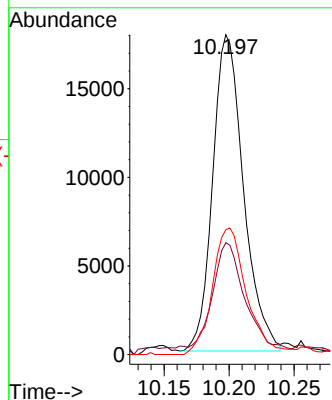
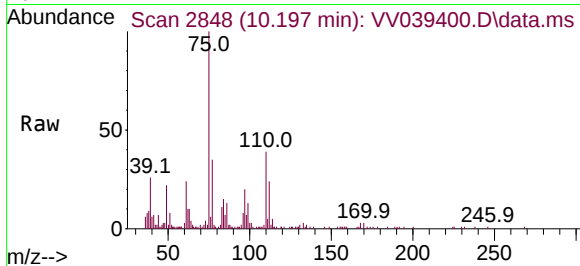
#61
1,2,3-Trichloropropane
Concen: 2.753 ug/L
RT: 10.197 min Scan# 2848
Delta R.T. 0.003 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08

Tgt Ion: 75 Resp: 2948
Ion Ratio Lower Upper
75 100
77 32.5 25.7 38.5
110 44.6 32.6 49.0

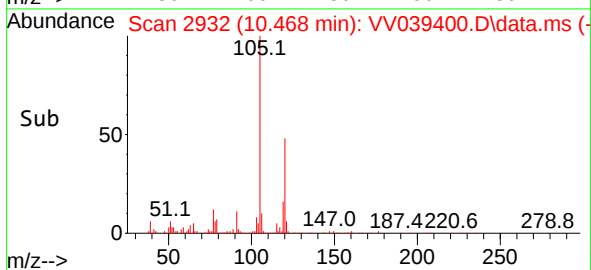
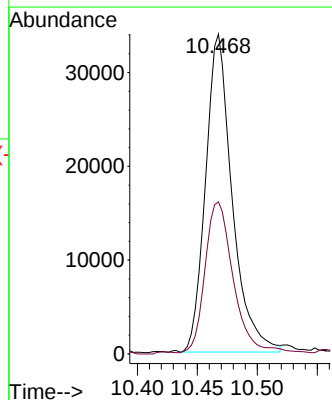
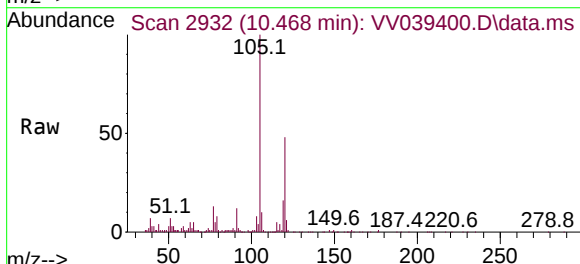
Manual Integrations
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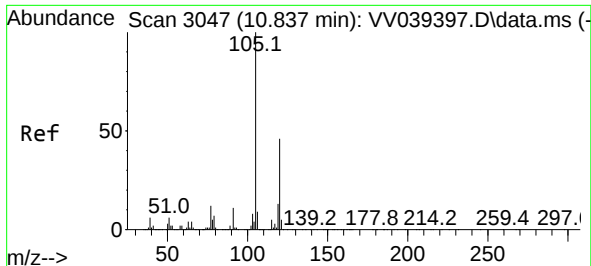
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#62
1,3,5-Trimethylbenzene
Concen: 2.010 ug/L
RT: 10.468 min Scan# 2932
Delta R.T. 0.003 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

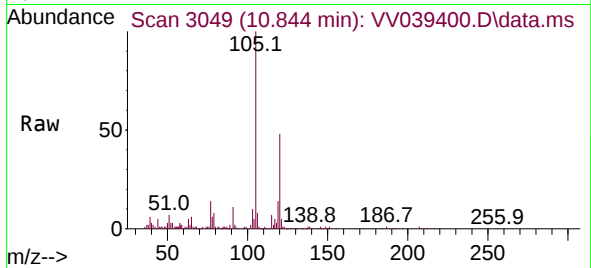
Tgt Ion:105 Resp: 52475
Ion Ratio Lower Upper
105 100
120 51.6 39.8 59.8





#63
 1,2,4-Trimethylbenzene
 Concen: 1.957 ug/L
 RT: 10.844 min Scan# 3049
 Delta R.T. 0.006 min
 Lab File: VV039400.D
 Acq: 18 Nov 2025 11:13

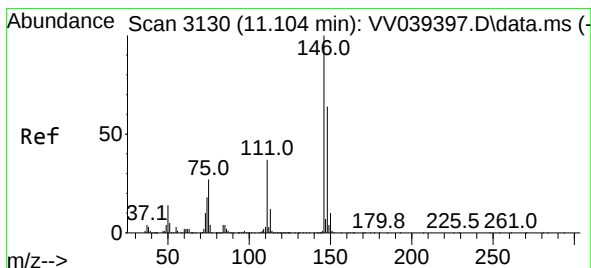
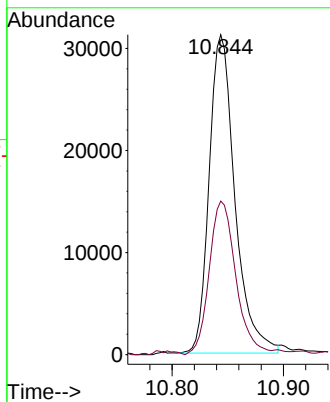
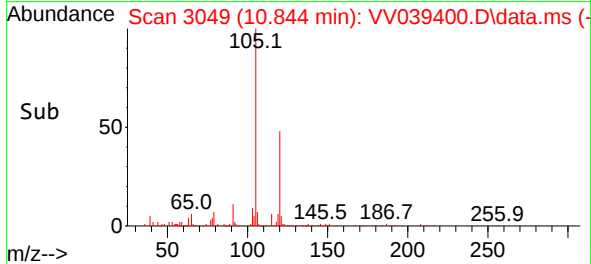
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2025-08



Tgt Ion:105 Resp: 50236
 Ion Ratio Lower Upper
 105 100
 120 49.7 37.4 56.2

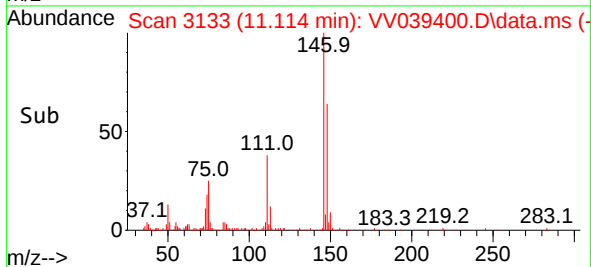
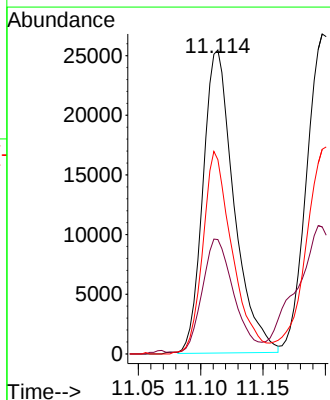
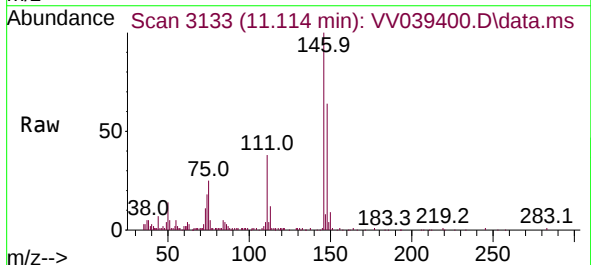
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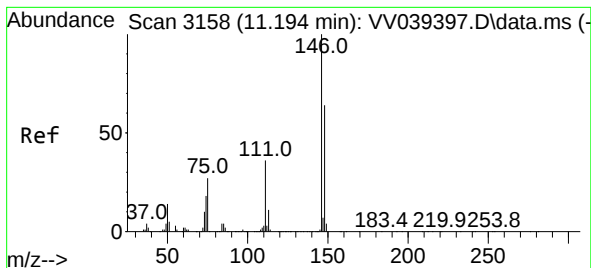
Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#64
 1,3-Dichlorobenzene
 Concen: 2.416 ug/L
 RT: 11.114 min Scan# 3133
 Delta R.T. 0.010 min
 Lab File: VV039400.D
 Acq: 18 Nov 2025 11:13

Tgt Ion:146 Resp: 43968
 Ion Ratio Lower Upper
 146 100
 111 37.6 26.5 49.3
 148 63.9 44.6 82.8





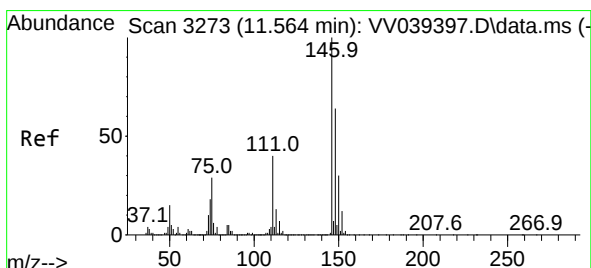
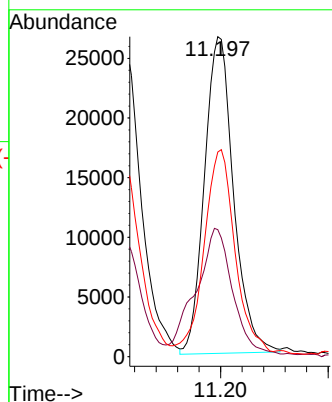
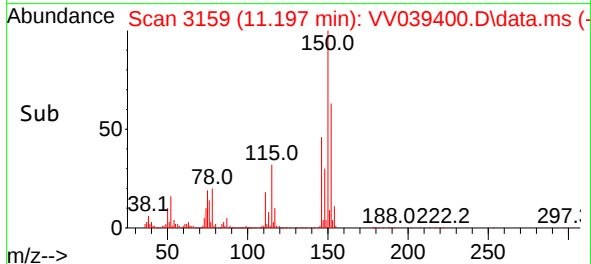
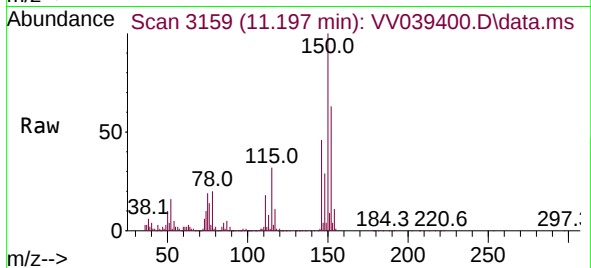
#65
1,4-Dichlorobenzene
Concen: 2.548 ug/L
RT: 11.197 min Scan# 3158
Delta R.T. 0.003 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08

Tgt Ion:146 Resp: 49952
Ion Ratio Lower Upper
146 100
111 39.7 25.6 47.4
148 63.9 44.9 83.5

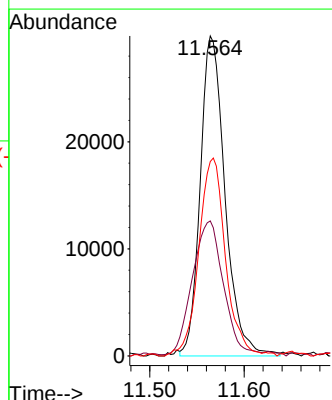
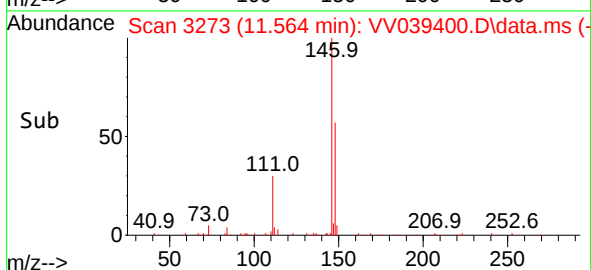
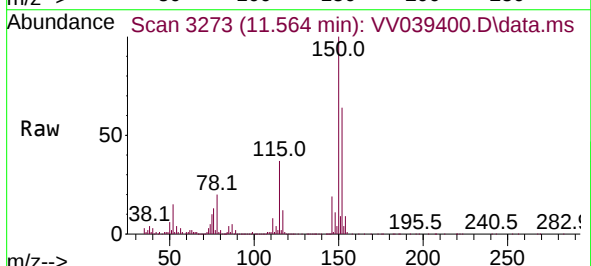
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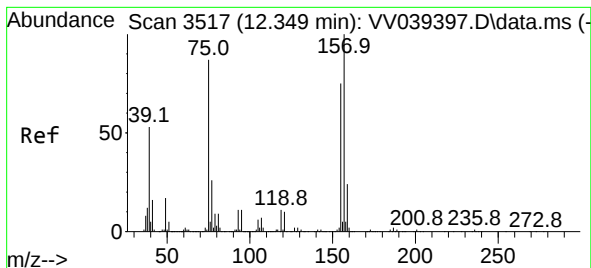
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#67
1,2-Dichlorobenzene
Concen: 3.009 ug/L
RT: 11.564 min Scan# 3273
Delta R.T. -0.000 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Tgt Ion:146 Resp: 54692
Ion Ratio Lower Upper
146 100
111 42.2 32.2 48.2
148 60.7 51.6 77.4





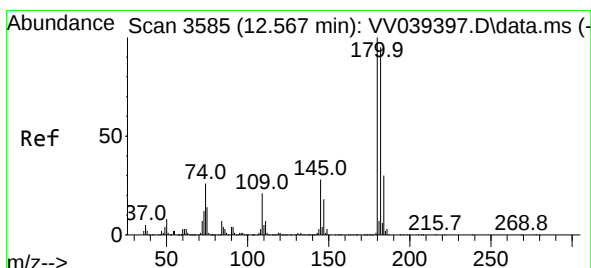
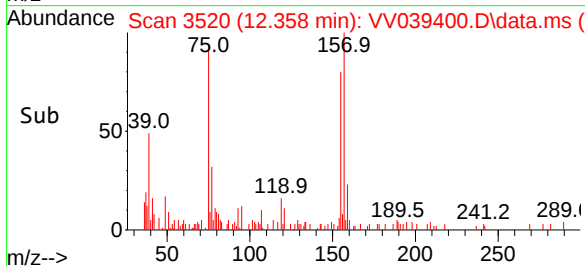
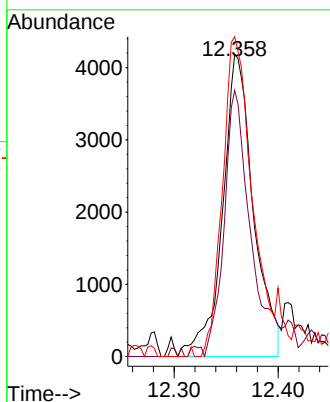
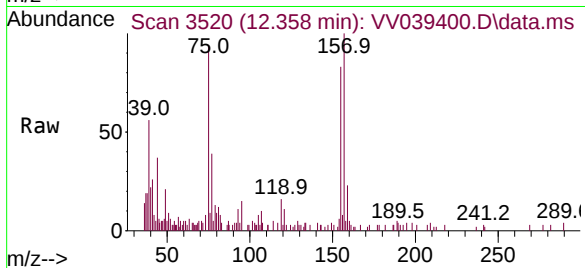
#68
1,2-Dibromo-3-chloropropane
Concen: 2.870 ug/L
RT: 12.358 min Scan# 3520
Delta R.T. 0.010 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2025-08

Tgt Ion: 75	Resp: 862		
Ion Ratio	Lower	Upper	
75	100		
155	88.1	73.0	109.4
157	105.9	91.0	136.4

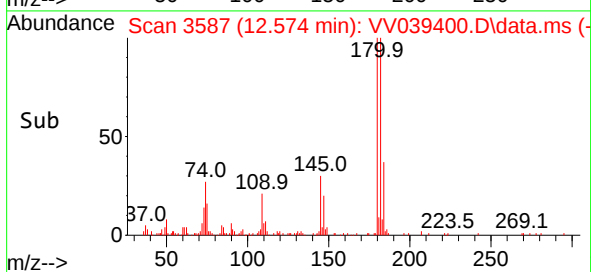
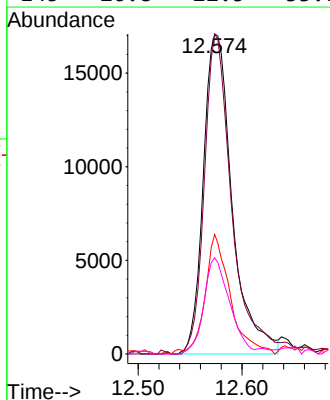
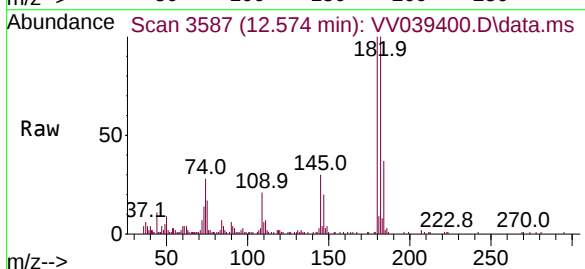
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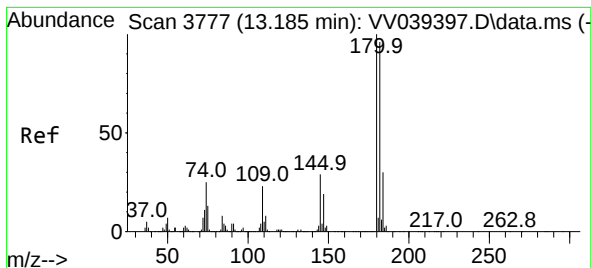
Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#69
1,3,5-Trichlorobenzene
Concen: 2.539 ug/L
RT: 12.574 min Scan# 3587
Delta R.T. 0.006 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Tgt Ion:180	Resp: 32910
Ion Ratio	Lower Upper
180 100	
182 94.4	75.8 113.8
184 32.2	24.3 36.5
145 26.8	22.5 33.7





#70

1,2,4-trichlorobenzene

Concen: 2.080 ug/L

RT: 13.194 min Scan# 31

Delta R.T. 0.010 min

Lab File: VV039400.D

Acq: 18 Nov 2025 11:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2025-08

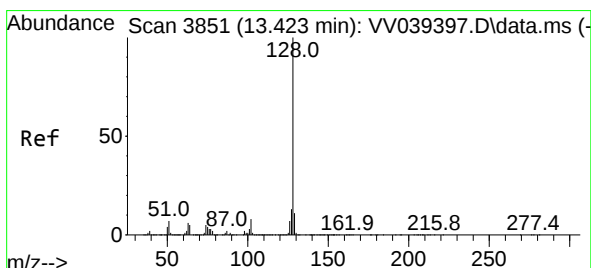
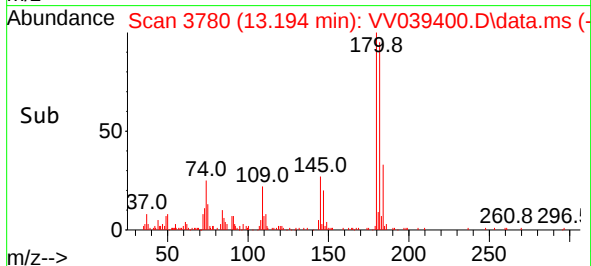
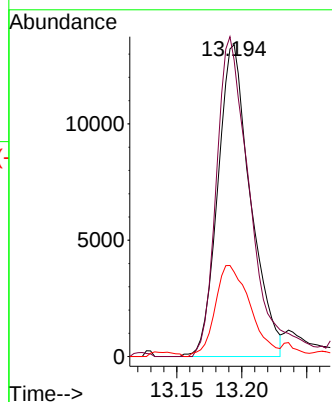
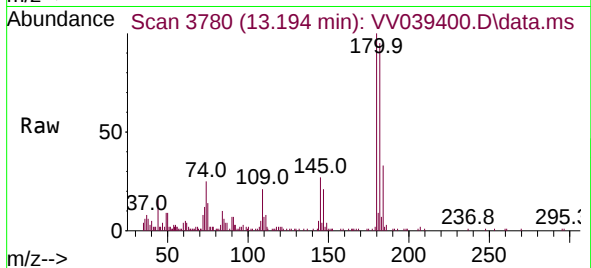
Tgt Ion:180	Resp:	23493
Ion Ratio	Lower	Upper
180	100	
182	106.3	76.1 114.1
145	31.4	22.5 33.7

Manual Integrations

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Reviewed By :Amit Patel 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025



#71

Naphthalene

Concen: 1.852 ug/L

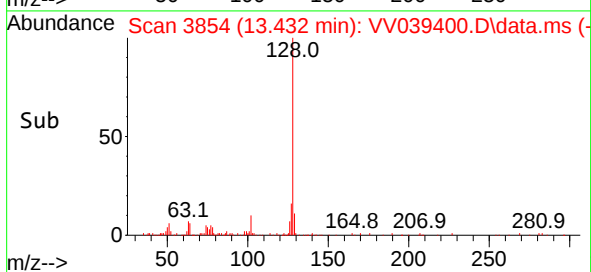
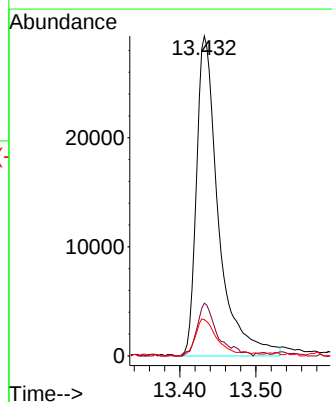
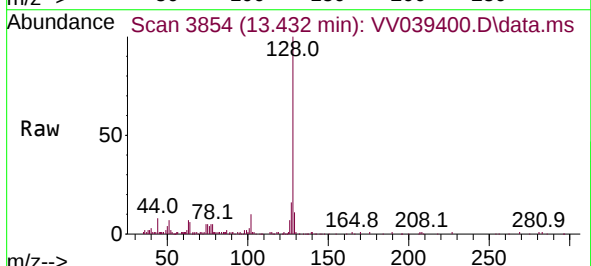
RT: 13.432 min Scan# 3854

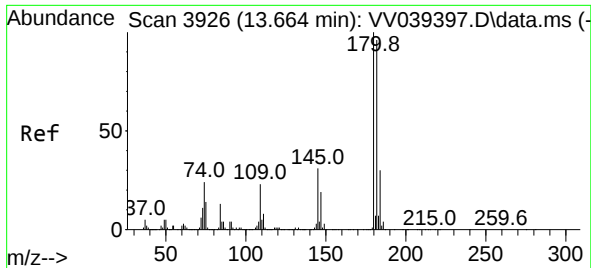
Delta R.T. 0.010 min

Lab File: VV039400.D

Acq: 18 Nov 2025 11:13

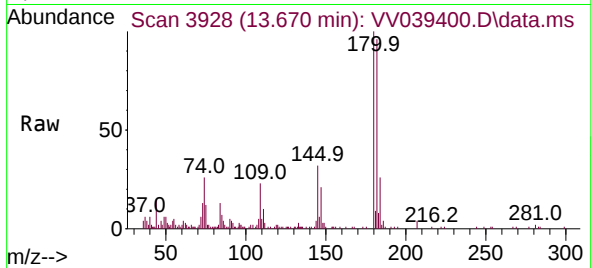
Tgt Ion:128	Resp:	58894
Ion Ratio	Lower	Upper
128	100	
127	14.0	10.6 16.0
129	11.0	8.7 13.1





#72
 1,2,3-Trichlorobenzene
 Concen: 2.267 ug/L
 RT: 13.670 min Scan# 3928
 Delta R.T. 0.006 min
 Lab File: VV039400.D
 Acq: 18 Nov 2025 11:13

Instrument : MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2025-08



Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.3	76.6	115.0
145	29.6	24.3	36.5

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

