

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031825\
 Data File : VV038727.D
 Acq On : 18 Mar 2025 10:26
 Operator : SY/MD
 Sample : Q1546-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 18 10:47:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 17 15:08:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	366491	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	393451	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	171804	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	170196	46.13	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	92.26%	
7) Chloroethane-d5	1.529	69	143014	46.24	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	92.48%	
11) 1,1-Dichloroethene-d2	2.053	65	74600	45.09	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	90.18%	
21) 2-Butanone-d5	3.786	46	113724	85.56	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	85.56%	
24) Chloroform-d	4.240	84	310627	46.57	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	93.14%	
26) 1,2-Dichloroethane-d4	4.931	65	189944	48.94	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	97.88%	
32) Benzene-d6	4.950	84	599560	48.13	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	96.26%	
36) 1,2-Dichloropropane-d6	5.979	67	201152	50.00	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	100.00%	
41) Toluene-d8	7.236	98	500592	46.25	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	92.50%	
43) trans-1,3-Dichloroprop...	7.548	79	75976	45.83	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	91.66%	
47) 2-Hexanone-d5	8.021	63	76873	92.37	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	106.00%	
56) 1,1,2,2-Tetrachloroeth...	10.143	84	229419			
Spiked Amount	50.000	Range 65 - 120	Recovery	=	106.00%	
66) 1,2-Dichlorobenzene-d4	11.551	152	173811			
Spiked Amount	50.000	Range 80 - 120	Recovery	=	106.00%	
Target Compounds						
2) Dichlorodifluoromethane	1.105	85	6789	2.34	ug/L	94
3) Chloromethane	1.214	50	8673	2.59	ug/L #	70
5) Vinyl chloride	1.281	62	9972	2.69	ug/L	88
6) Bromomethane	1.484	94	5412	2.62	ug/L	97
8) Chloroethane	1.545	64	6416	2.32	ug/L	92
9) Trichlorofluoromethane	1.709	101	11297	3.06	ug/L #	83
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	8950	3.06	ug/L #	1
12) 1,1-Dichloroethene	2.063	96	8405	4.75	ug/L	98
13) Acetone	2.111	43	6209	2.46	ug/L	100
14) Carbon disulfide	2.236	76	21046	2.20	ug/L #	75
15) Methyl Acetate	2.381	43	5749	2.14	ug/L #	78
17) trans-1,2-Dichloroethene	2.693	96	6373	2.24	ug/L	98
18) Methyl tert-butyl Ether	2.699	73	17385	2.34	ug/L	95
19) 1,1-Dichloroethane	3.105	63	13643	5.89	ug/L	
20) cis-1,2-Dichloroethene	3.818	96	7409	2.37	ug/L	
22) 2-Butanone	3.918	43	9051m	2.73	ug/L	
23) Bromochloromethane	4.166	128	4026m	2.06	ug/L #	77
27) 1,2-Dichloroethane	5.050	62	11971m			
29) Cyclohexane	4.568	56	9950			

Reviewed by: [Signature] 03/18/2025
 Released by: John C. [Signature] 03/18/2025

APPROVED
 Manual Integrations

MDT-MATEB-011-5052-05
 Client Sample ID:
 MSVOA_V
 Instrument:

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031825\
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Quant Time: Mar 18 10:47:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 17 15:08:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	4.503	97	11951m	2.37	ug/L	
31) Carbon tetrachloride	4.728	117	10286	2.37	ug/L	95
33) Benzene	5.008	78	28044	2.24	ug/L	100
34) Trichloroethene	5.838	95	7898m	2.46	ug/L	
35) Methylcyclohexane	6.043	83	8536	1.81	ug/L #	80
37) 1,2-Dichloropropane	6.098	63	6724	1.93	ug/L	97
38) Bromodichloromethane	6.436	83	10910	2.38	ug/L	93
39) cis-1,3-Dichloropropene	6.963	75	11235m	2.25	ug/L	
40) 4-Methyl-2-pentanone	7.169	43	9973m	3.23	ug/L	
42) Toluene	7.320	91	27579	2.16	ug/L	96
44) trans-1,3-Dichloropropene	7.590	75	10912m	2.31	ug/L	
45) 1,1,2-Trichloroethane	7.773	97	6958	2.12	ug/L	94
46) Tetrachloroethene	7.905	164	5088	2.23	ug/L	97
48) 2-Hexanone	8.091	43	17941m	8.37	ug/L	
49) Dibromochloromethane	8.178	129	7377	2.25	ug/L	94
50) 1,2-Dibromoethane	8.284	107	6784	2.12	ug/L	97
51) Chlorobenzene	8.815	112	19775	2.27	ug/L	90
52) Ethylbenzene	8.950	91	25581	1.82	ug/L	99
53) m,p-Xylene	9.075	106	8833	1.73	ug/L	91
54) o-Xylene	9.474	106	8585	1.73	ug/L	94
55) Styrene	9.503	104	11577	1.33	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.169	83	11992	2.45	ug/L #	97
59) Bromoform	9.667	173	3825	2.40	ug/L #	92
60) Isopropylbenzene	9.863	105	21910	2.03	ug/L	96
61) 1,2,3-Trichloropropane	10.207	75	7543	2.63	ug/L	93
62) 1,3,5-Trimethylbenzene	10.471	105	16571	1.98	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	15612	1.84	ug/L	98
64) 1,3-Dichlorobenzene	11.117	146	11986			
65) 1,4-Dichlorobenzene	11.201	146	13274			
67) 1,2-Dichlorobenzene	11.570	146	13807			
68) 1,2-Dibromo-3-chloropr...	12.371	75	2208			
69) 1,3,5-Trichlorobenzene	12.583	180	7346	2.20	ug/L	95
70) 1,2,4-trichlorobenzene	13.204	180	6412			
71) Naphthalene	13.448	128	17476			
72) 1,2,3-Trichlorobenzene	13.676	180	6206			

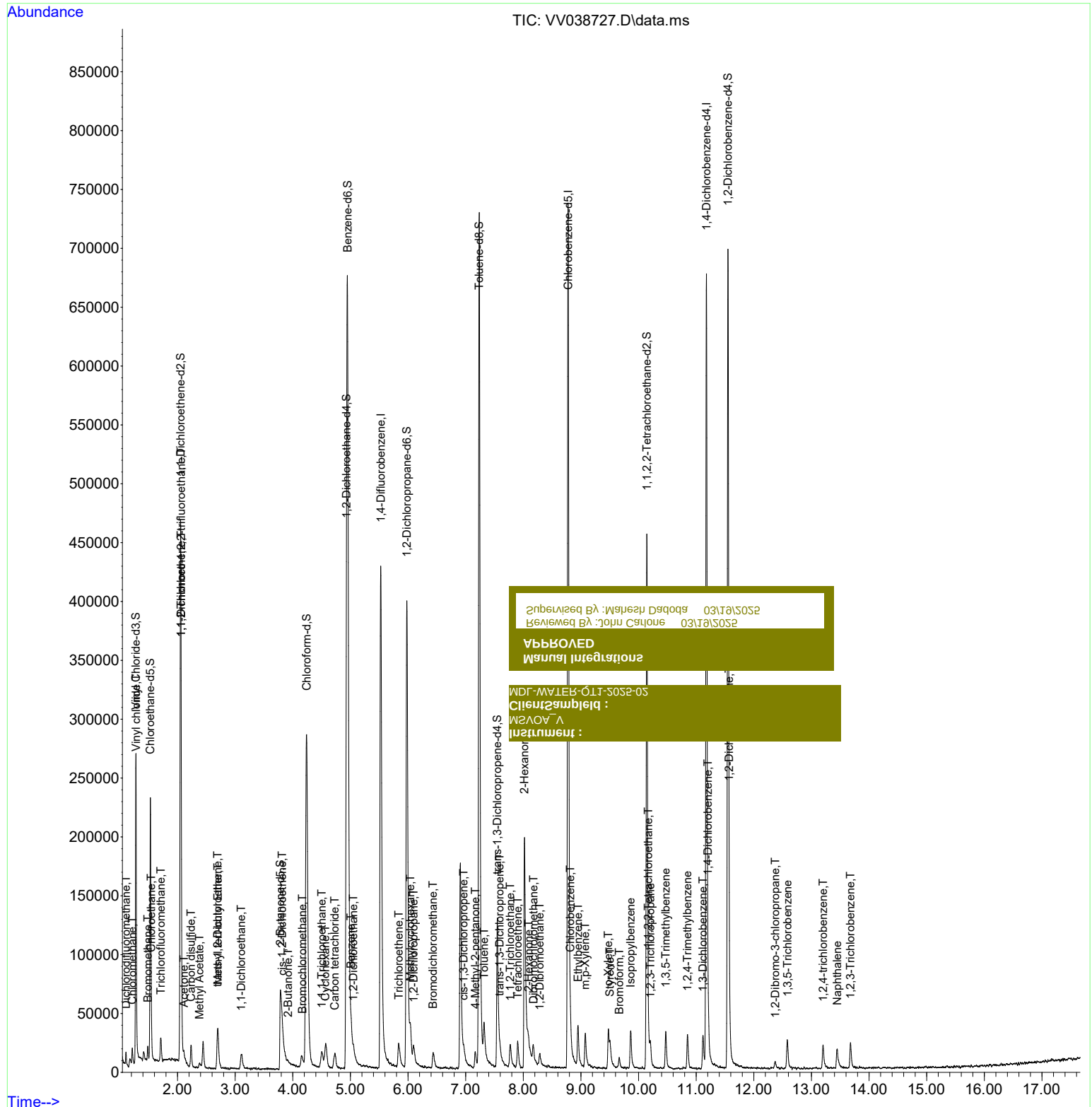
Reviewed by: [Signature] Date: 03/18/2025
 Reviewed by: [Signature] Date: 03/18/2025

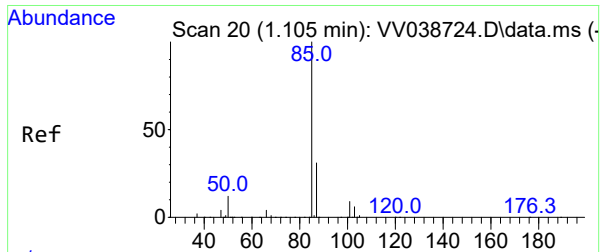
APPROVED
 Manual integrations

MDT-WATER-01T-S052-05
 Client Sample ID :
 MS/MS
 Instrument :

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

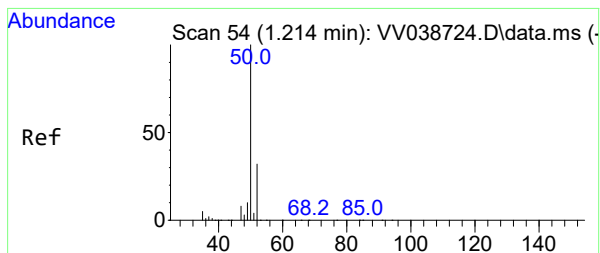
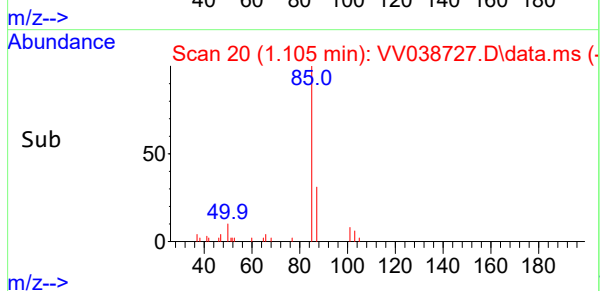
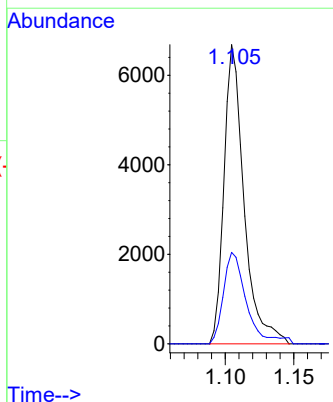
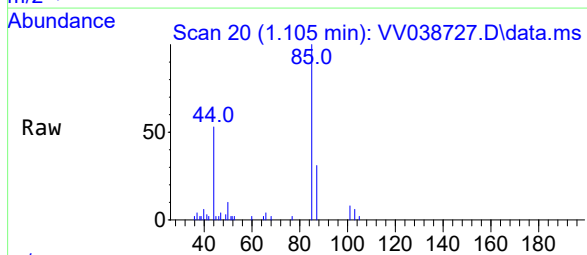
Quant Time: Mar 18 10:47:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 17 15:08:07 2025
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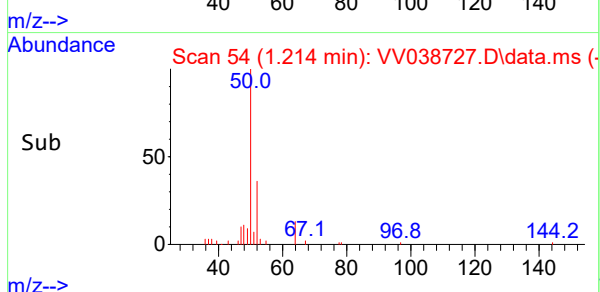
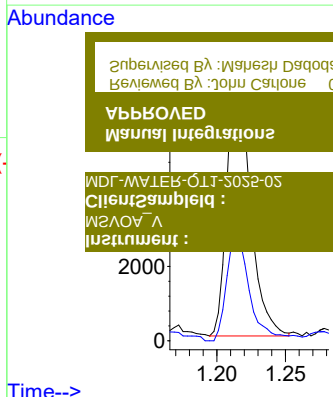
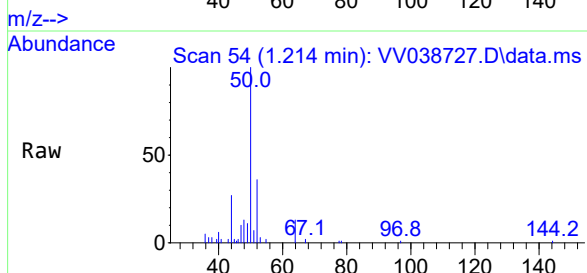
#2
Dichlorodifluoromethane
Concen: 2.38 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion: 85 Resp: 6789
Ion Ratio Lower Upper
85 100
87 33.2 25.8 38.6



#3
Chloromethane
Concen: 2.34 ug/L
RT: 1.214 min Scan# 54
Delta R.T. -0.003 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

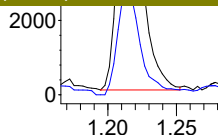
Tgt Ion: 50 Resp: 8673
Ion Ratio Lower Upper
50 100
52 36.1 22.7 42.3

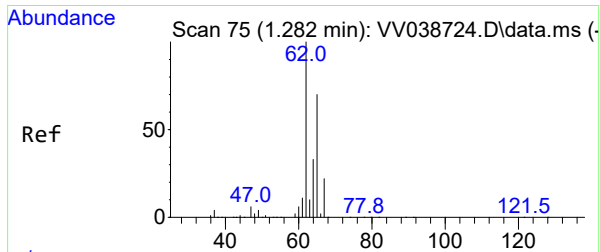


Submitted by: Maryam Daboud 03/18/2025
Reviewed by: John C. Hogue 03/18/2025

APPROVED
Manual Integrations

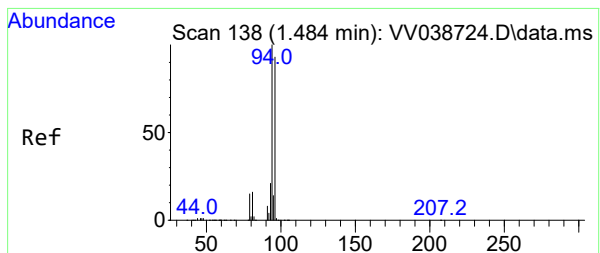
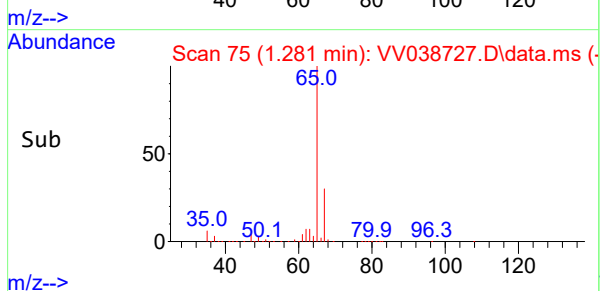
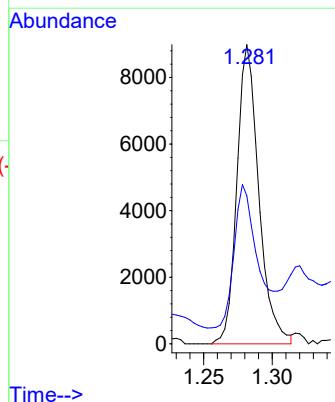
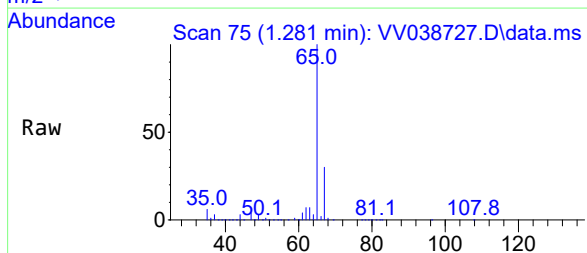
MDT-MATEB-011-5052-05
Client Sample ID:
MS/MS
Instrument:





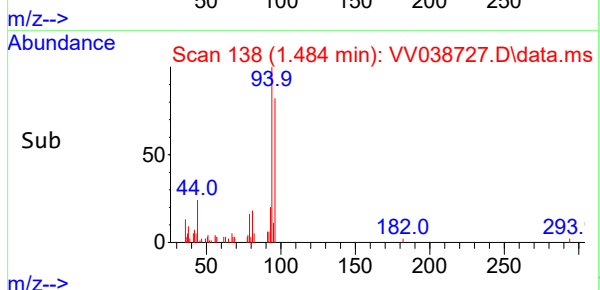
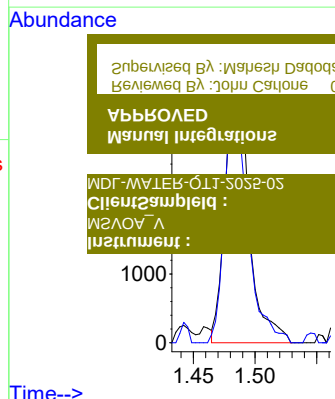
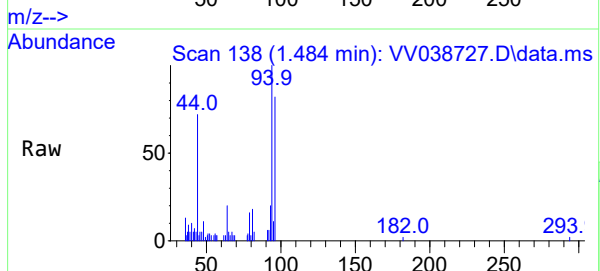
#5
 Vinyl chloride
 Concen: 2.59 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV038727.D
 Acq: 18 Mar 2025 10:26

Tgt Ion: 62 Resp: 9972
 Ion Ratio Lower Upper
 62 100
 64 49.5 22.8 42.4#



#6
 Bromomethane
 Concen: 2.69 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV038727.D
 Acq: 18 Mar 2025 10:26

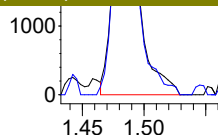
Tgt Ion: 94 Resp: 5412
 Ion Ratio Lower Upper
 94 100
 96 82.4 66.1 122.8

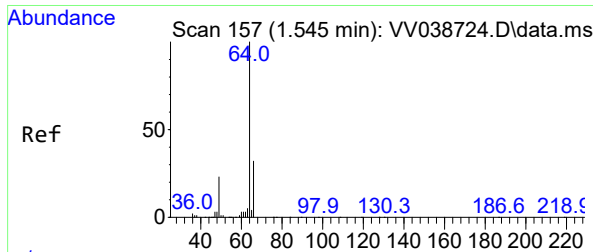


Submitted by: Mafresh Daboda 03/18/2025
 Reviewed by: John Catione 03/18/2025

APPROVED
 Manual Integrations

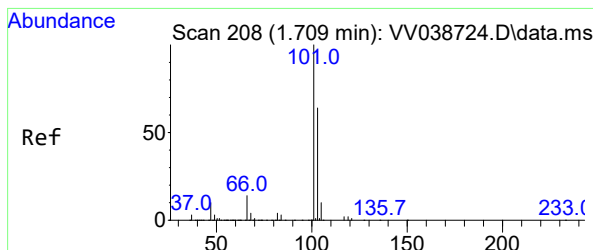
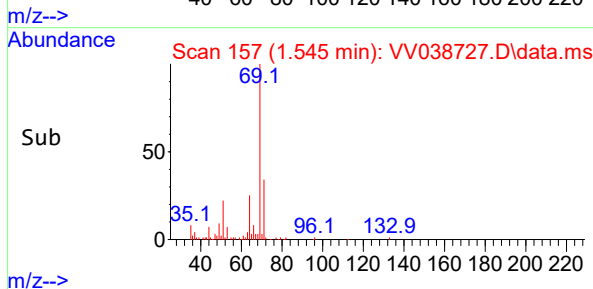
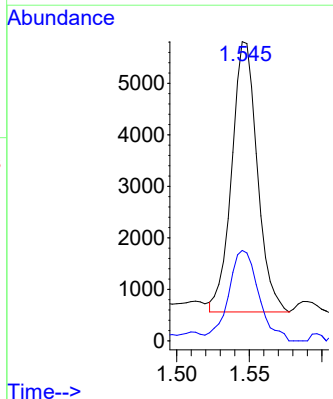
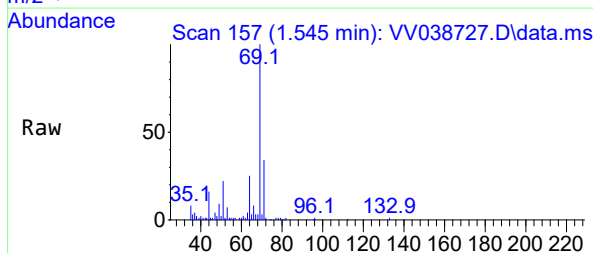
MDT-MATEB-011-5052-05
 Client Sample ID:
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 Instrument:





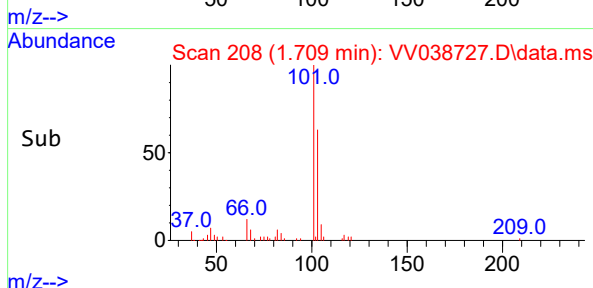
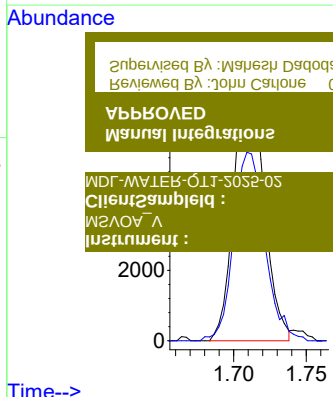
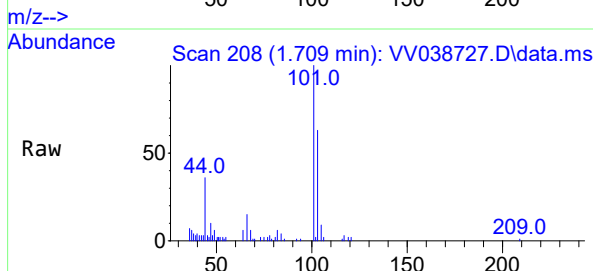
#8
Chloroethane
Concen: 2.62 ug/L
RT: 1.545 min Scan# 157
Delta R.T. 0.000 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion: 64 Resp: 6416
Ion Ratio Lower Upper
64 100
66 30.2 22.3 41.5



#9
Trichlorofluoromethane
Concen: 2.32 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

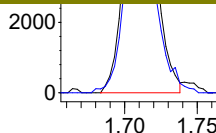
Tgt Ion: 101 Resp: 11297
Ion Ratio Lower Upper
101 100
103 70.9 51.7 77.5

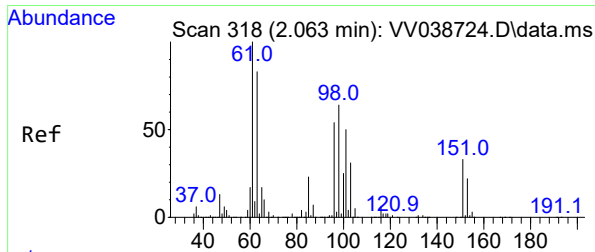


Submitted by: Mafresh Daboda 03/18/2025
Reviewed by: John Catione 03/18/2025

APPROVED
Manual Integrations

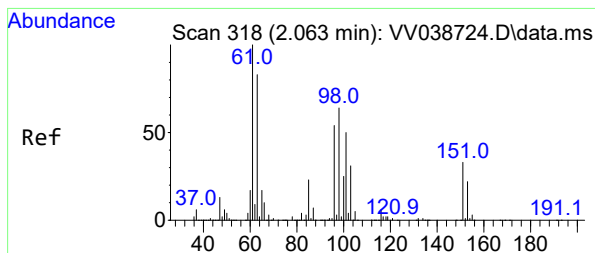
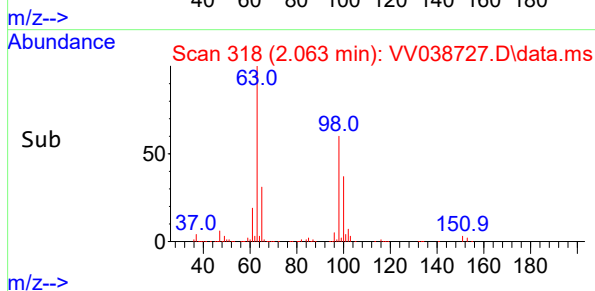
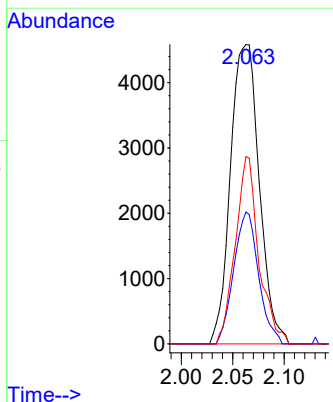
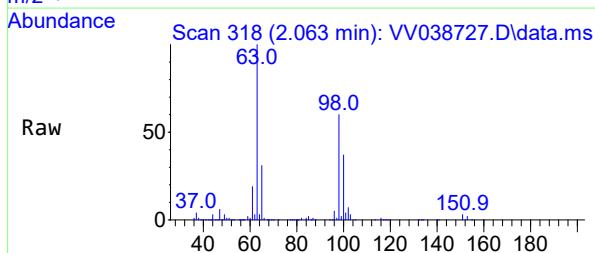
MDT-MATEB-011-5052-05
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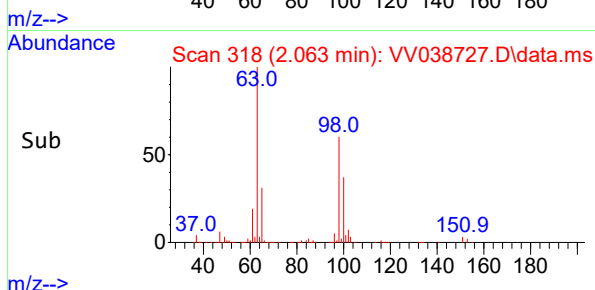
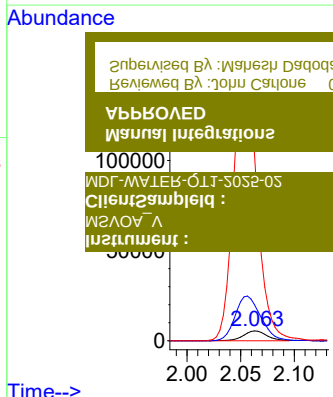
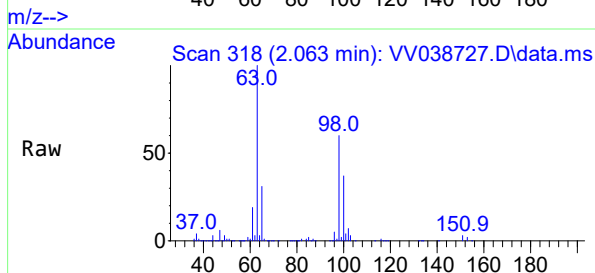
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.06 ug/L
RT: 2.063 min Scan# 318
Delta R.T. 0.000 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion: 101 Resp: 8950
Ion Ratio Lower Upper
101 100
85 37.9 34.7 52.1
151 51.0 55.3 82.9#



#12
1,1-Dichloroethene
Concen: 3.06 ug/L
RT: 2.063 min Scan# 318
Delta R.T. -0.003 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

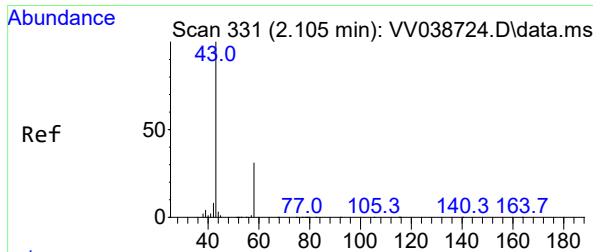
Tgt Ion: 96 Resp: 8405
Ion Ratio Lower Upper
96 100
61 366.8 120.9 224.5#
63 1901.9 110.9 205.9#



Substrate: 1,1,2-Trichloro-1,2,2-trifluoroethane
Reference: 1,1-Dichloroethene

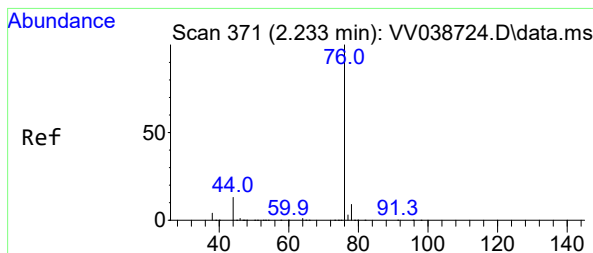
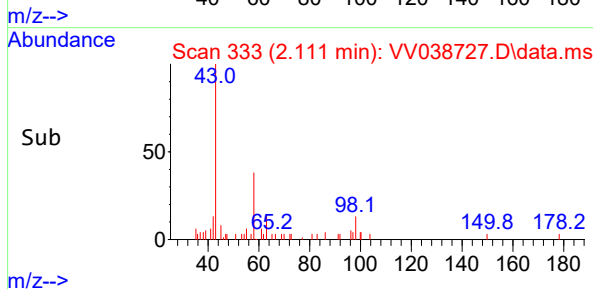
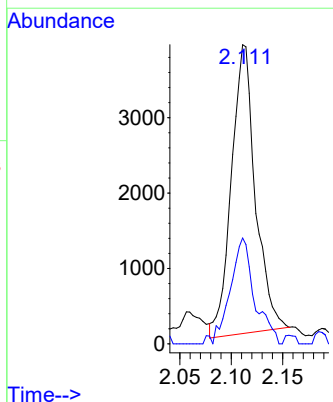
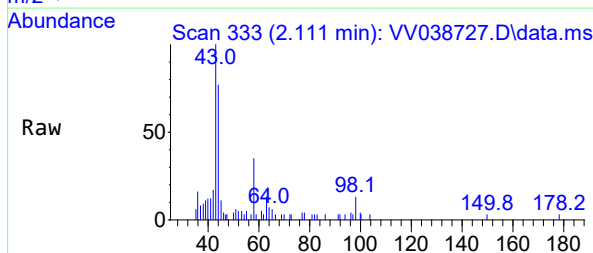
APPROVED
Manual Integration

100000
MDT-MATEB-011-5052-05
Client Sample:
MS/MS
Instrument:



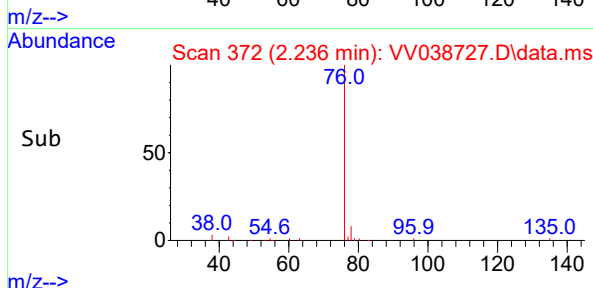
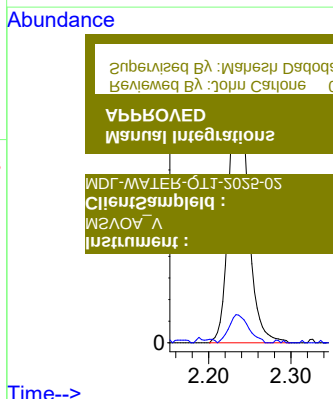
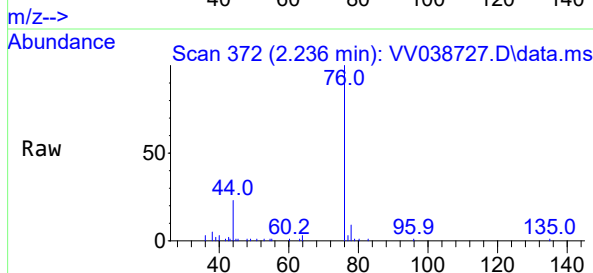
#13
Acetone
Concen: 4.75 ug/L
RT: 2.111 min Scan# 333
Delta R.T. 0.003 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion: 43 Resp: 6209
Ion Ratio Lower Upper
43 100
58 32.3 0.0 67.2



#14
Carbon disulfide
Concen: 2.46 ug/L
RT: 2.236 min Scan# 372
Delta R.T. 0.000 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

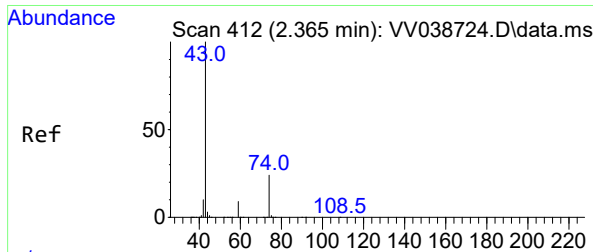
Tgt Ion: 76 Resp: 21046
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



Submitted by: Mafresh Daboda 03/18/2025
Reviewed by: John Catione 03/18/2025

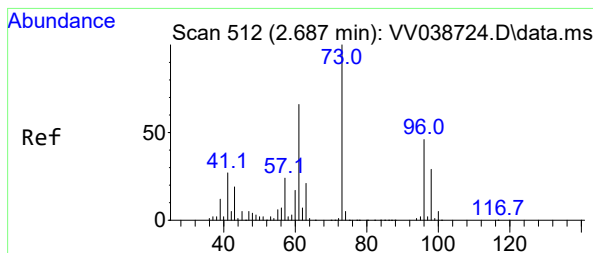
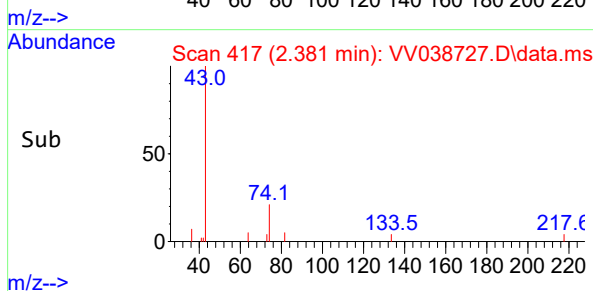
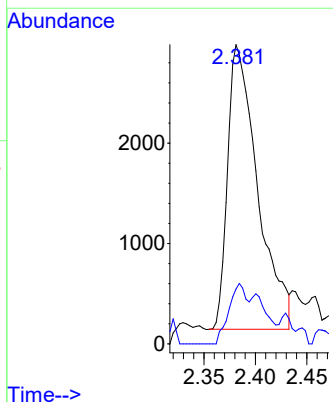
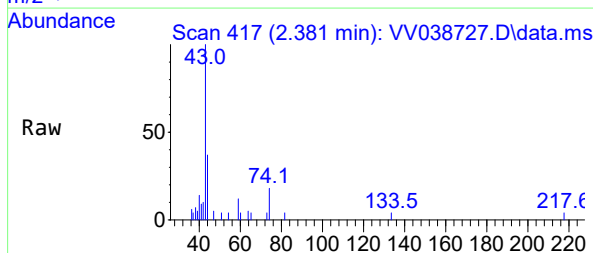
APPROVED
Manual Integrations

MDT-MATEB-011-S052-05
Client Sample ID:
MS/MS
Instrument:



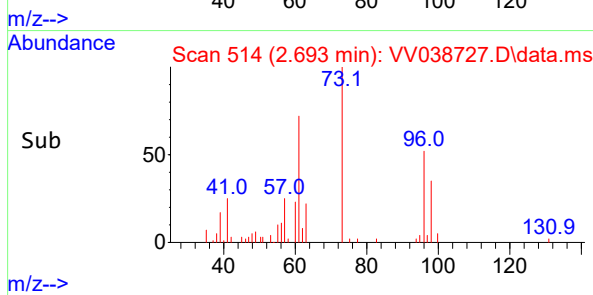
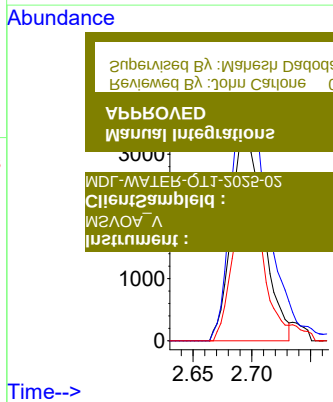
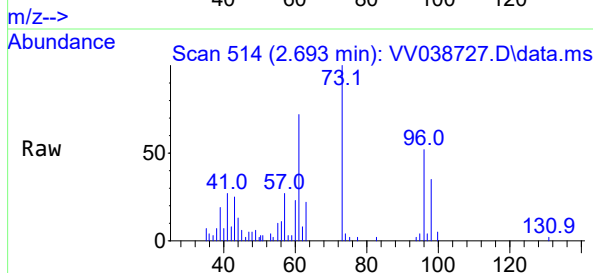
#15
Methyl Acetate
Concen: 2.20 ug/L
RT: 2.381 min Scan# 417
Delta R.T. 0.013 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion: 43 Resp: 5749
Ion Ratio Lower Upper
43 100
74 13.1 20.6 31.0#



#17
trans-1,2-Dichloroethene
Concen: 2.20 ug/L
RT: 2.693 min Scan# 514
Delta R.T. 0.003 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

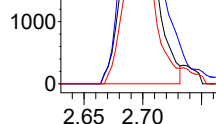
Tgt Ion: 96 Resp: 6373
Ion Ratio Lower Upper
96 100
61 138.2 95.7 177.7
98 67.0 46.4 86.2

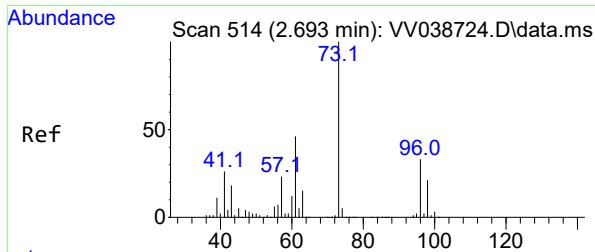


Submitted by: Margee DeGroot 03/18/2025
Reviewed by: John Catione 03/18/2025

APPROVED
Manual Integrations

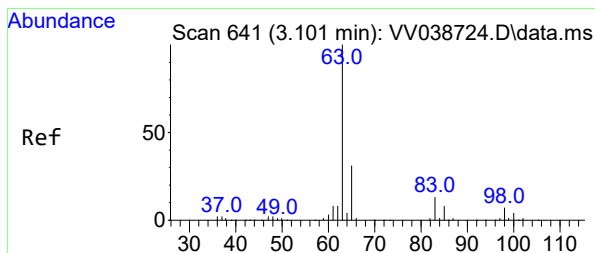
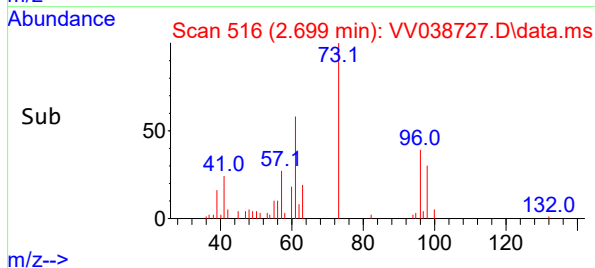
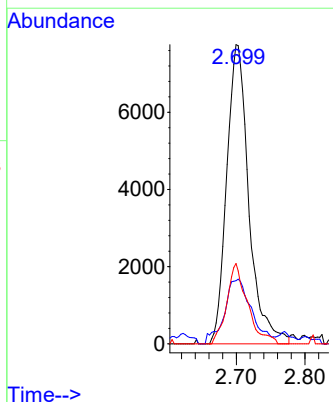
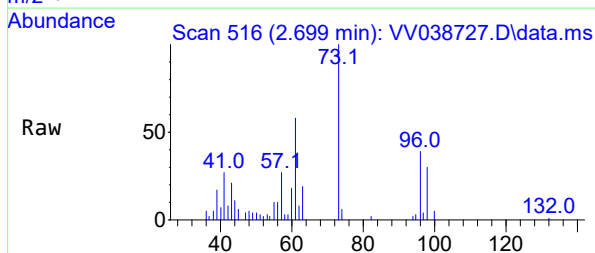
MDT-MATEB-011-5052-05
Client Sample ID:
MS/MS
Instrument:





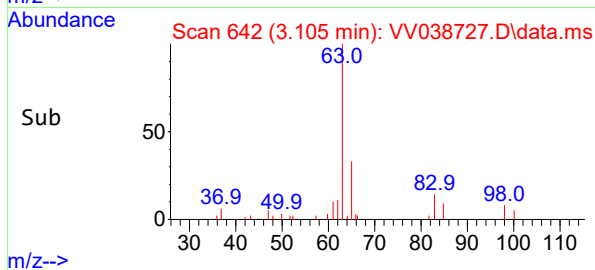
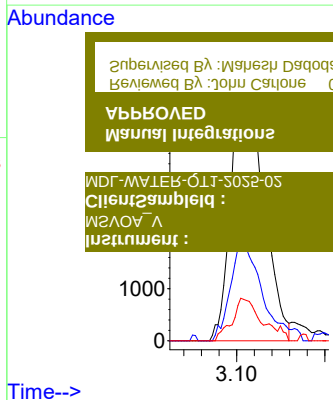
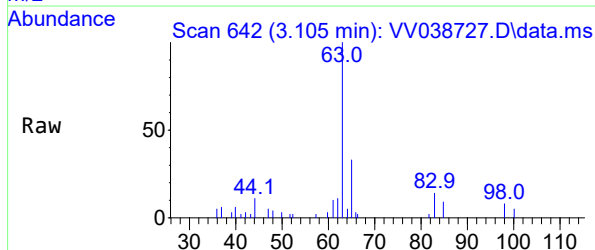
#18
Methyl tert-butyl Ether
Concen: 2.14 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion: 73 Resp: 17385
Ion Ratio Lower Upper
73 100
43 0.6 14.7 22.1#
57 25.1 17.7 26.5



#19
1,1-Dichloroethane
Concen: 2.24 ug/L
RT: 3.105 min Scan# 642
Delta R.T. 0.000 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

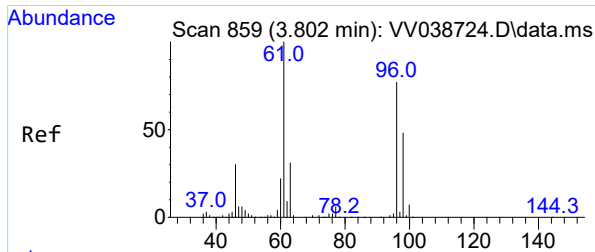
Tgt Ion: 63 Resp: 13643
Ion Ratio Lower Upper
63 100
65 33.5 22.6 42.0
83 14.2 9.8 18.2



Submitted by: Marybeth DeBord 03/18/2025
Reviewed by: John C. Jones 03/18/2025

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Manual Integrations

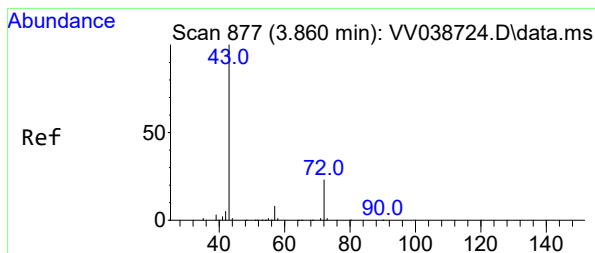
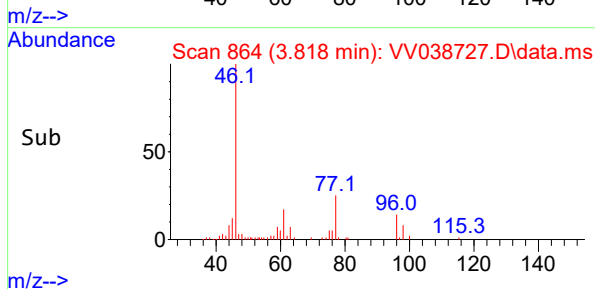
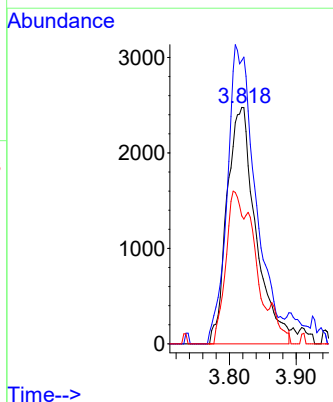
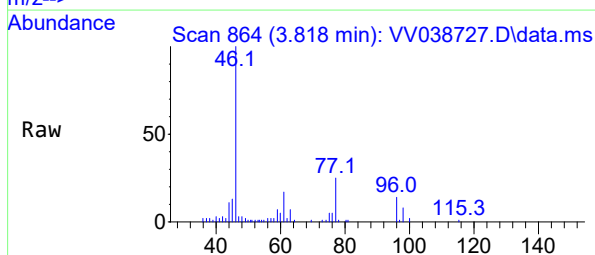
MDT-MATEB-011-5052-05
Client Sample ID:
MS/MS
Instrument:



#20
cis-1,2-Dichloroethene
Concen: 2.34 ug/L
RT: 3.818 min Scan# 864
Delta R.T. 0.010 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion: 96 Resp: 7409

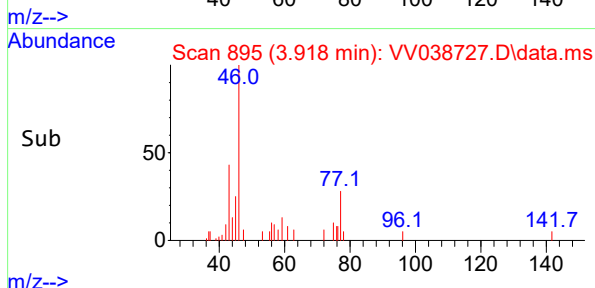
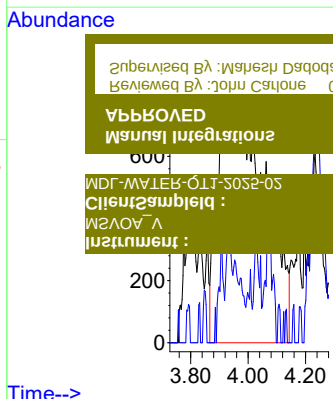
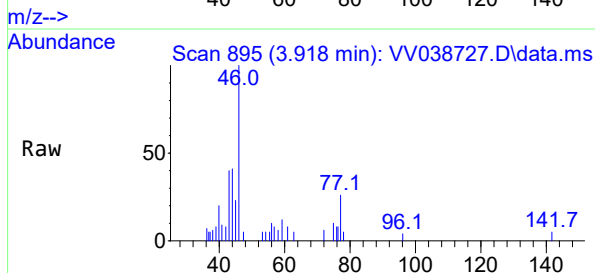
Ion	Ratio	Lower	Upper
96	100		
61	119.8	83.5	155.1
98	54.1	44.6	82.8



#22
2-Butanone
Concen: 5.89 ug/L m
RT: 3.918 min Scan# 895
Delta R.T. 0.055 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion: 43 Resp: 9051

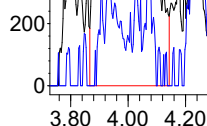
Ion	Ratio	Lower	Upper
43	100		
72	0.2	12.5	37.5#

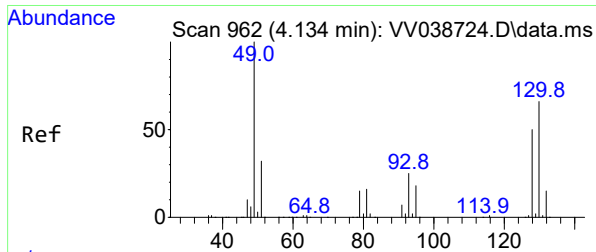


Submitted by: Mafresh Daboda 03/18/2025
Reviewed by: John Catione 03/18/2025

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Manual Integrations

MDT-MATEB-011-5052-05
Client Sample ID:
MS/MS
Instrument:

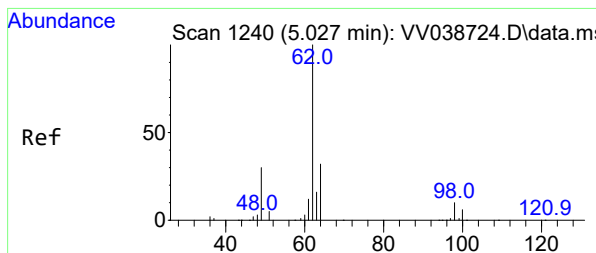
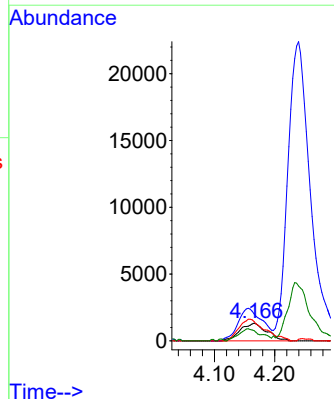
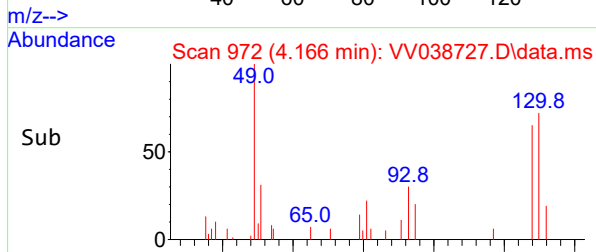
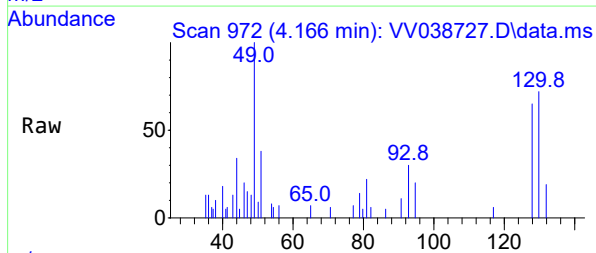




#23
Bromochloromethane
Concen: 2.37 ug/L m
RT: 4.166 min Scan# 972
Delta R.T. 0.026 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion: 128 Resp: 4026

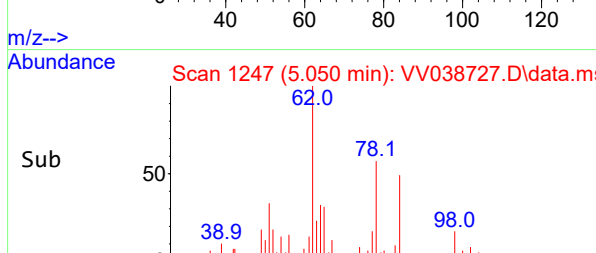
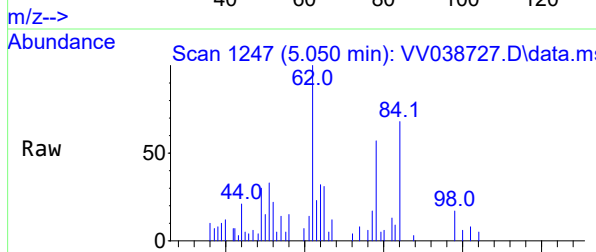
Ion	Ratio	Lower	Upper
128	100		
49	153.1	106.7	198.3
130	109.9	93.2	173.2
51	58.4	40.2	60.4



#27
1,2-Dichloroethane
Concen: 2.73 ug/L m
RT: 5.050 min Scan# 1247
Delta R.T. 0.016 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion: 62 Resp: 11971

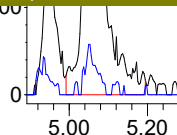
Ion	Ratio	Lower	Upper
62	100		
98	16.9	7.5	11.3#

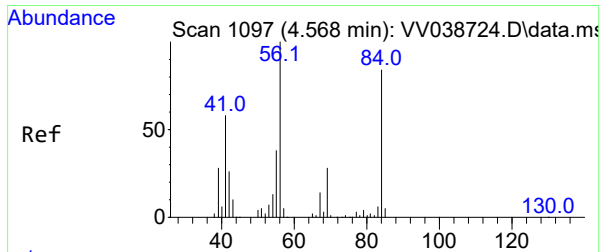


Submitted by: Mafresh Dabara 03/18/2025
Reviewed by: John Catione 03/18/2025

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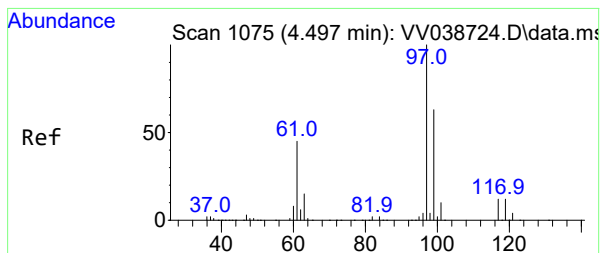
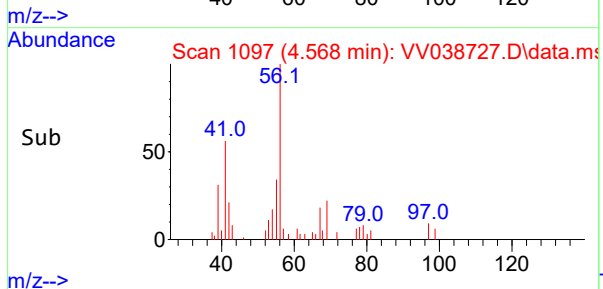
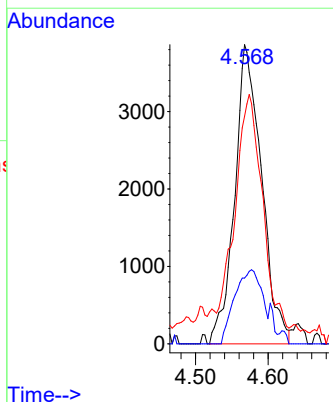
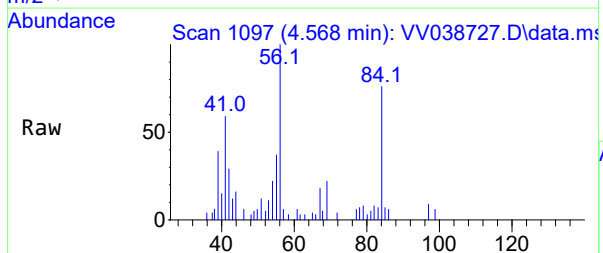
2000
MDT-MALEB-011-5052-05
Client Sample ID:
MS/MS
Instrument:





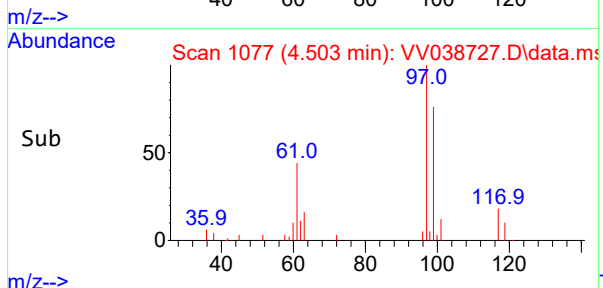
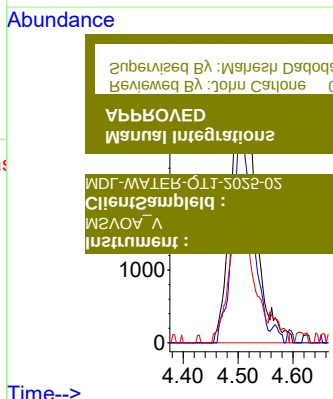
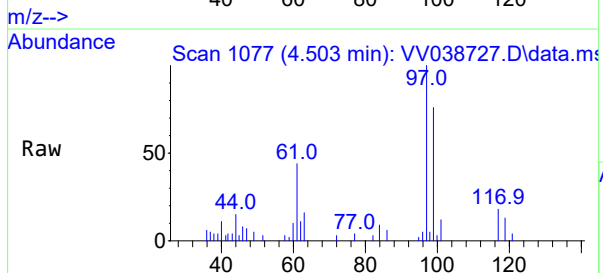
#29
Cyclohexane
Concen: 2.06 ug/L
RT: 4.568 min Scan# 1097
Delta R.T. -0.006 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion: 56 Resp: 9950
Ion Ratio Lower Upper
56 100
69 25.2 24.8 37.2
84 66.5 73.7 110.5#



#30
1,1,1-Trichloroethane
Concen: 2.37 ug/L m
RT: 4.503 min Scan# 1077
Delta R.T. 0.000 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

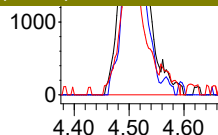
Tgt Ion: 97 Resp: 11951
Ion Ratio Lower Upper
97 100
99 65.2 52.3 78.5
61 46.9 33.6 50.4

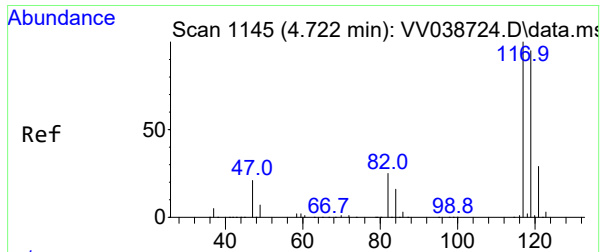


Submitted by: Mafresh Dabara 03/18/2025
Reviewed by: John Catione 03/18/2025

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Manual Integrations

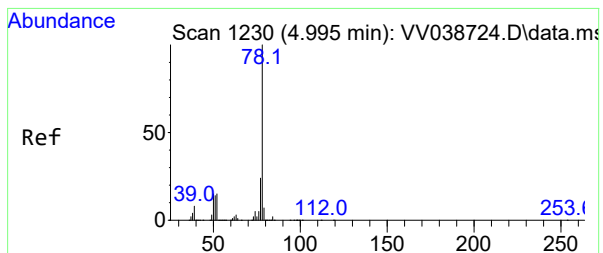
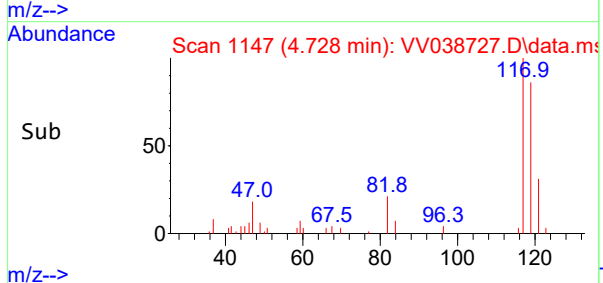
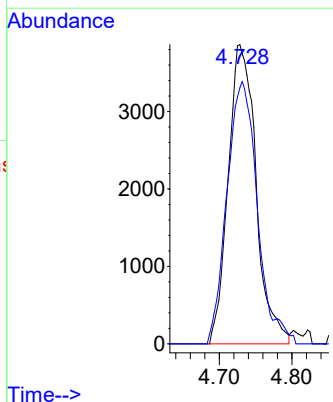
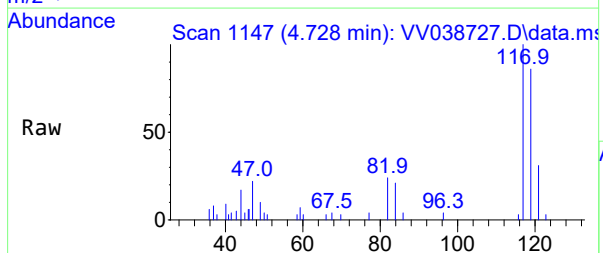
MDT-MATEB-011-5052-05
Client Sample ID:
MS/MS
Instrument:





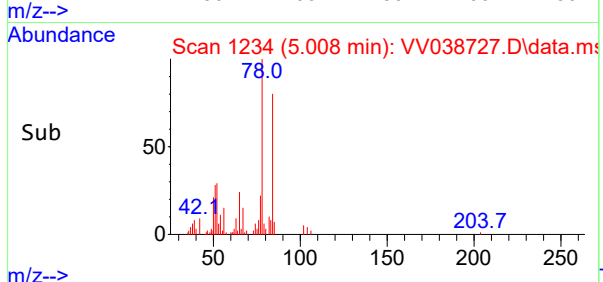
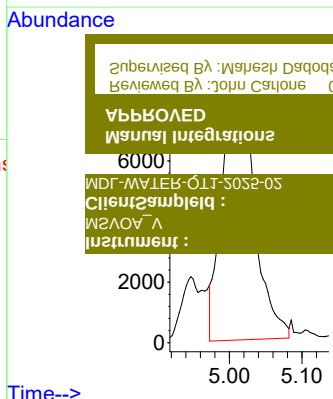
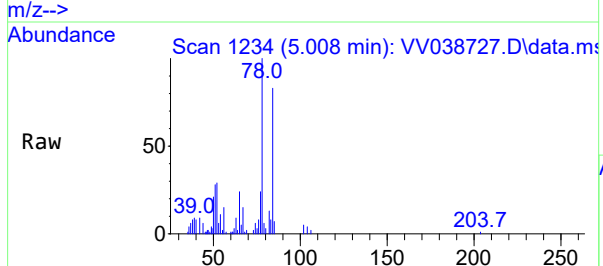
#31
Carbon tetrachloride
Concen: 2.37 ug/L
RT: 4.728 min Scan# 1147
Delta R.T. 0.003 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion: 117 Resp: 10286
Ion Ratio Lower Upper
117 100
119 91.7 77.7 116.5



#33
Benzene
Concen: 2.24 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.006 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

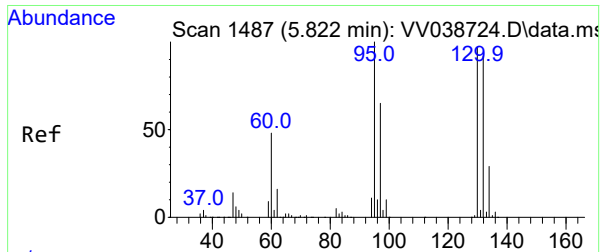
Tgt Ion: 78 Resp: 28044



Submitted by: Magesh Dargoda 03/18/2025
Reviewed by: John C. Jones 03/18/2025

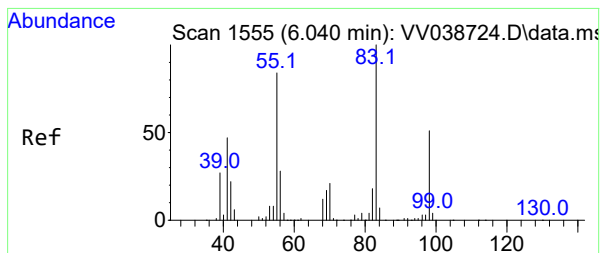
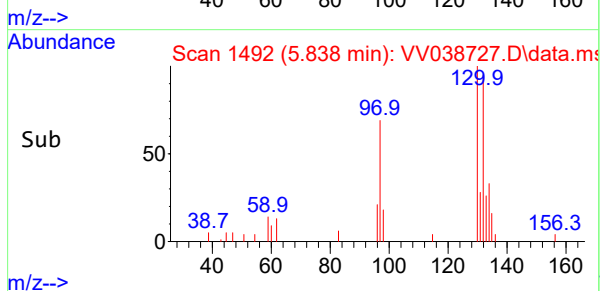
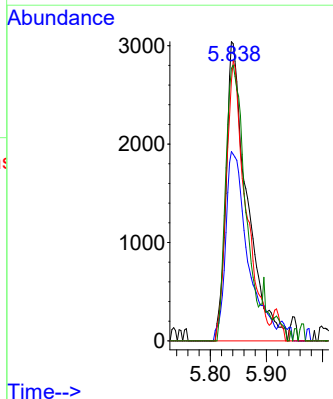
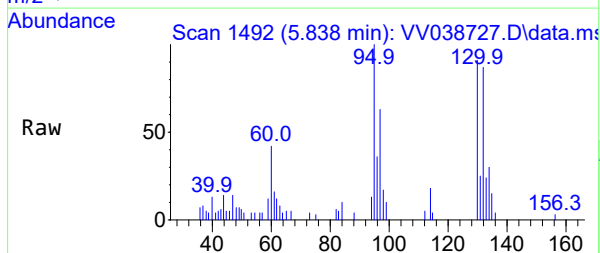
APPROVED
Manual Integrations

60000
MDT-MATEB-011-5052-05
Client Sample ID:
MS/MS
Instrument:



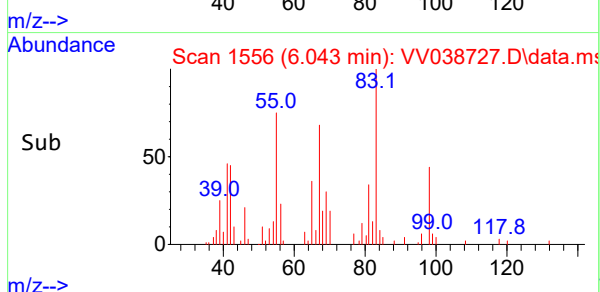
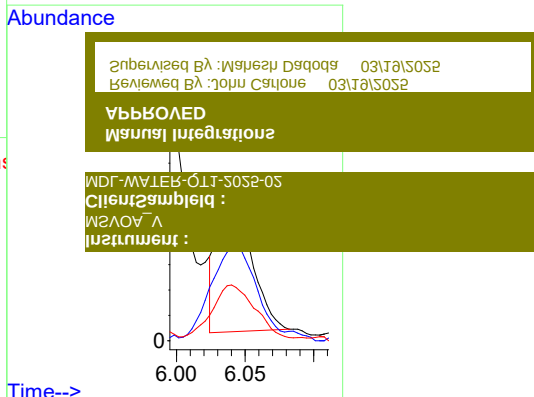
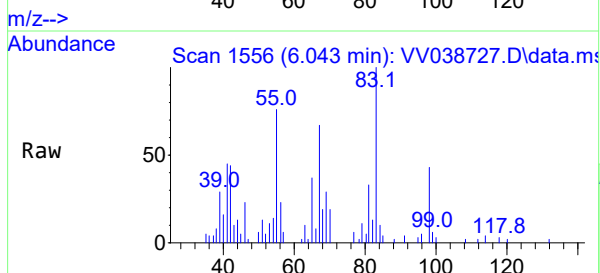
#34
Trichloroethene
Concen: 2.46 ug/L m
RT: 5.838 min Scan# 1492
Delta R.T. 0.013 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion:	95	Resp:	7898
Ion	Ratio	Lower	Upper
95	100		
97	63.3	45.6	84.8
132	86.9	67.6	125.6
130	91.1	70.8	131.6



#35
Methylcyclohexane
Concen: 1.81 ug/L
RT: 6.043 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

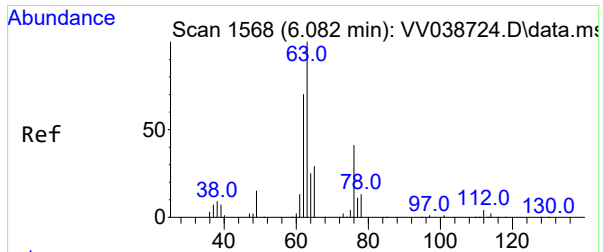
Tgt Ion:	83	Resp:	8536
Ion	Ratio	Lower	Upper
83	100		
55	94.6	59.0	88.6#
98	58.6	39.5	59.3



Submitted by: Mafresh Daboda 03/18/2025
Reviewed by: John Catione 03/18/2025

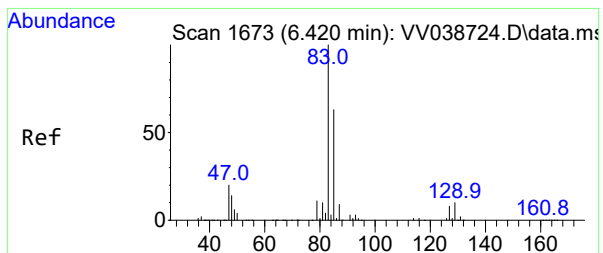
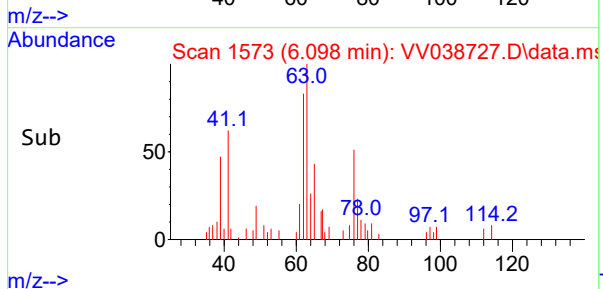
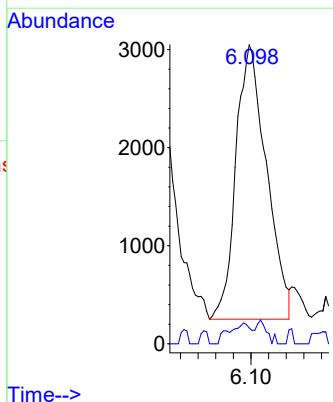
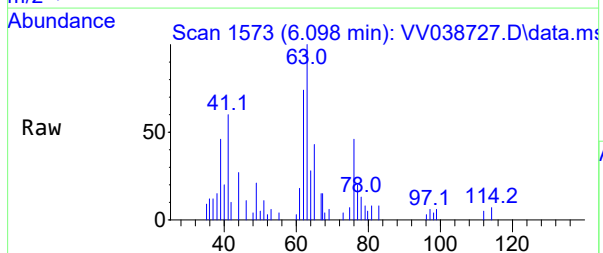
APPROVED
Manual Integrations

MDT-MATEB-011-2025-05
Client Sample ID :
MS/MS
Instrument :



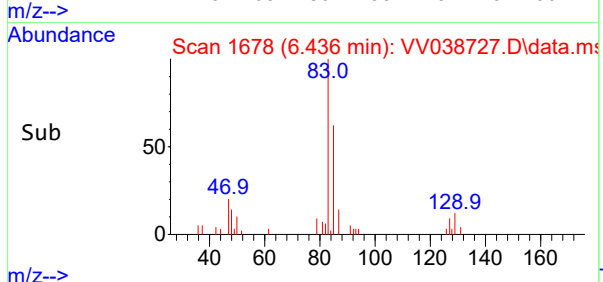
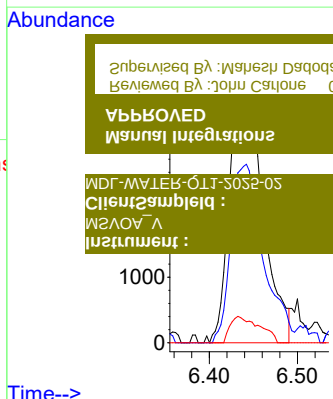
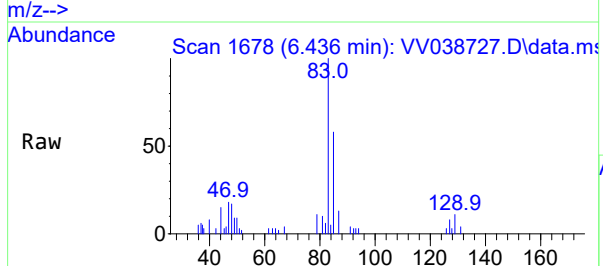
#37
1,2-Dichloropropane
Concen: 1.93 ug/L
RT: 6.098 min Scan# 1573
Delta R.T. 0.013 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion: 63 Resp: 6724
Ion Ratio Lower Upper
63 100
112 3.8 3.8 5.6



#38
Bromodichloromethane
Concen: 2.38 ug/L
RT: 6.436 min Scan# 1678
Delta R.T. 0.010 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

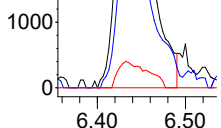
Tgt Ion: 83 Resp: 10910
Ion Ratio Lower Upper
83 100
85 57.8 44.9 83.5
127 8.4 6.8 10.2

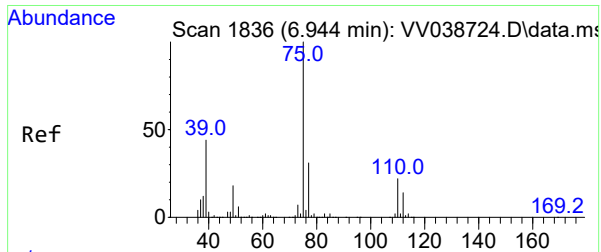


Submitted by: Maryam Daboud 03/18/2025
Reviewed by: John C. Jones 03/18/2025

APPROVED
Manual Integrations

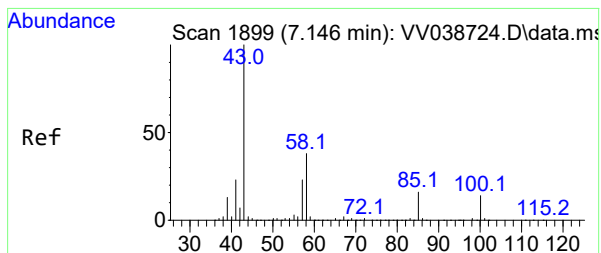
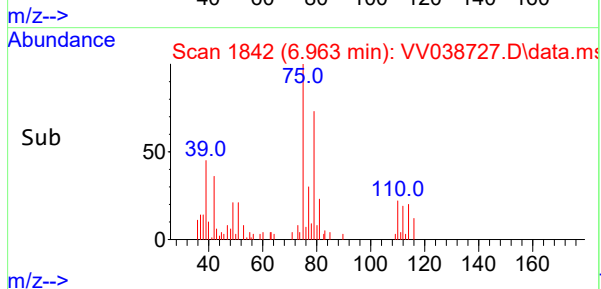
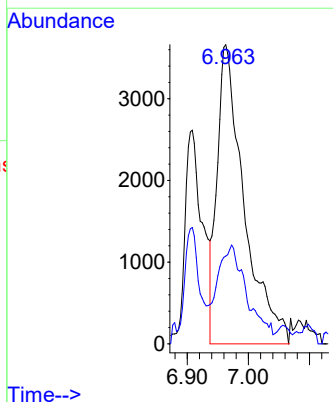
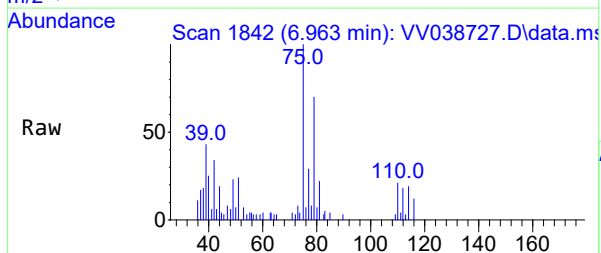
MDT-MATEB-011-S052-05
Client Sample ID:
MS/MS
Instrument:





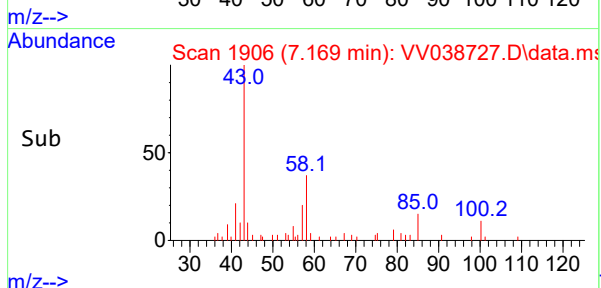
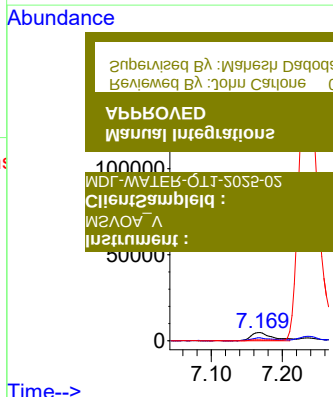
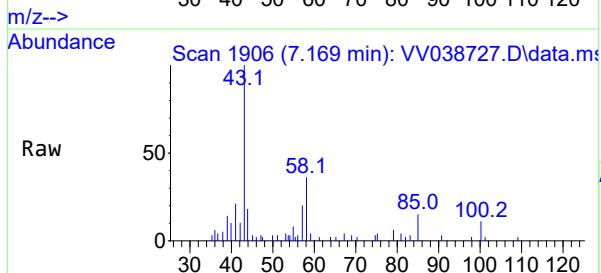
#39
cis-1,3-Dichloropropene
Concen: 2.25 ug/L m
RT: 6.963 min Scan# 1842
Delta R.T. 0.016 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion: 75 Resp: 11235
Ion Ratio Lower Upper
75 100
77 29.3 21.9 40.7



#40
4-Methyl-2-pentanone
Concen: 3.23 ug/L m
RT: 7.169 min Scan# 1906
Delta R.T. 0.019 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

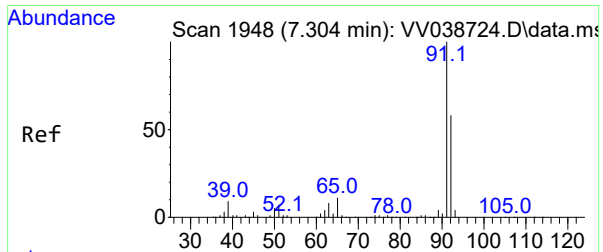
Tgt Ion: 43 Resp: 9973
Ion Ratio Lower Upper
43 100
58 0.0 32.7 49.1#
100 0.0 13.7 20.5#



Subtracted by: MARIAN DABOBA 03/18/2025
Reviewed by: JOHN CATHON 03/18/2025

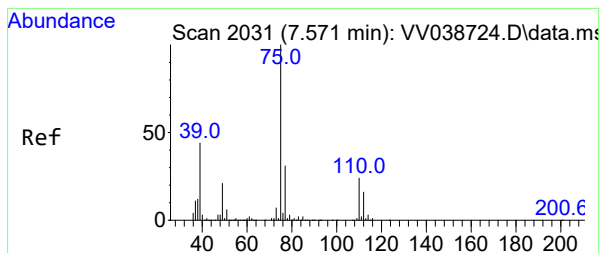
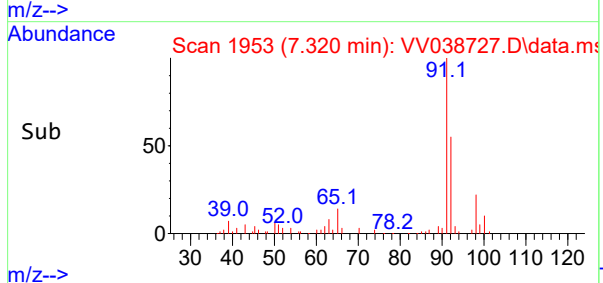
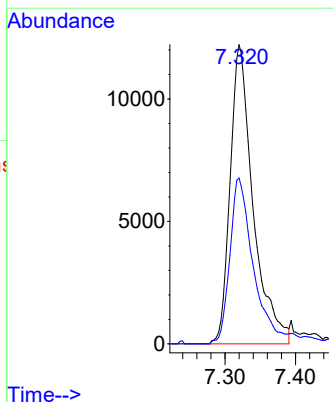
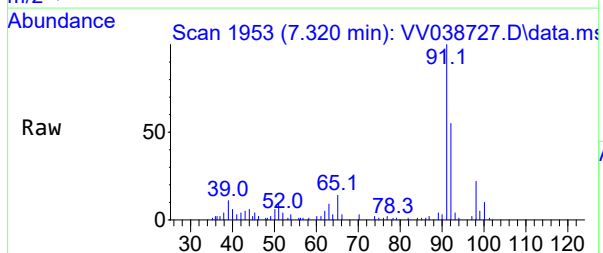
APPROVED
Manual integrations

100000
MDT-MATEB-011-5052-05
Client Sample:
MS/MS
Instrument:



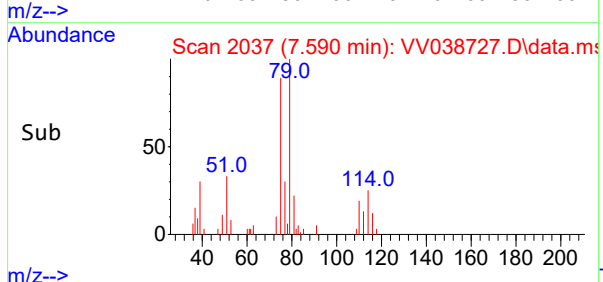
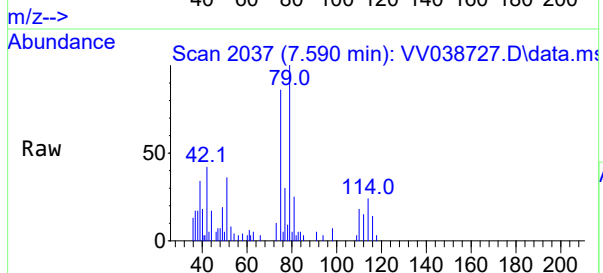
#42
Toluene
Concen: 2.16 ug/L
RT: 7.320 min Scan# 1953
Delta R.T. 0.013 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion: 91 Resp: 27579
Ion Ratio Lower Upper
91 100
92 55.5 41.2 76.4



#44
trans-1,3-Dichloropropene
Concen: 2.31 ug/L m
RT: 7.590 min Scan# 2037
Delta R.T. 0.016 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

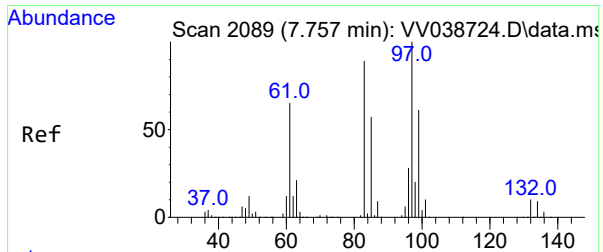
Tgt Ion: 75 Resp: 10912
Ion Ratio Lower Upper
75 100
77 34.1 22.7 42.1



Submitted by: Magesh Dabodu 03/11/2025
Reviewed by: John Catione 03/11/2025

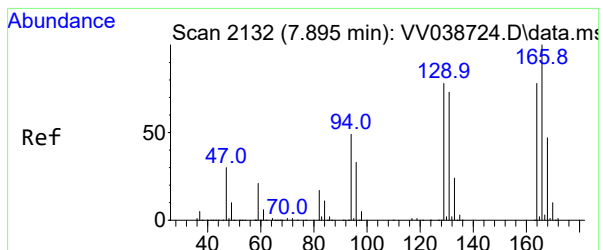
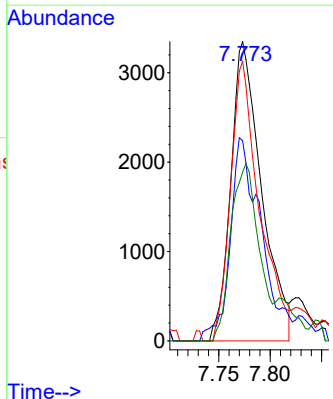
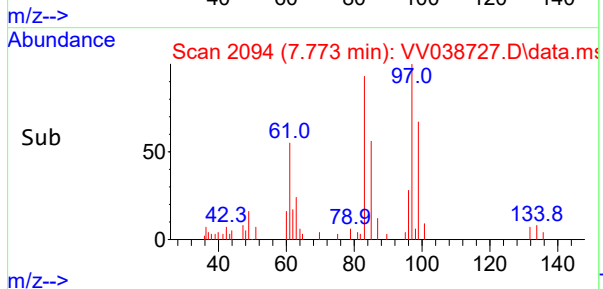
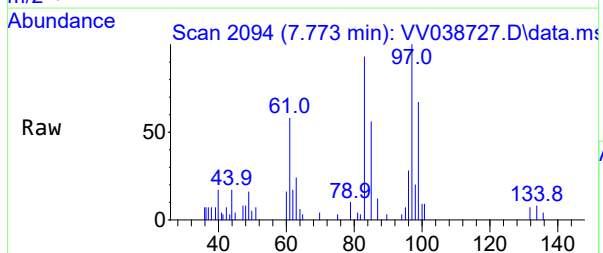
APPROVED
Manual Integrations

MDT-MVLEB-011-2025-05
Client Sample ID:
MS/MS
Instrument:



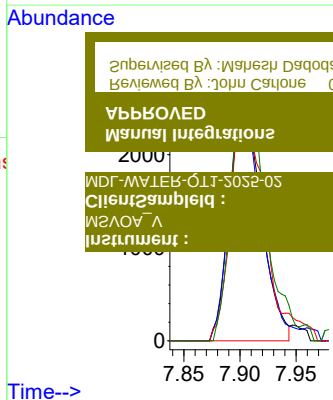
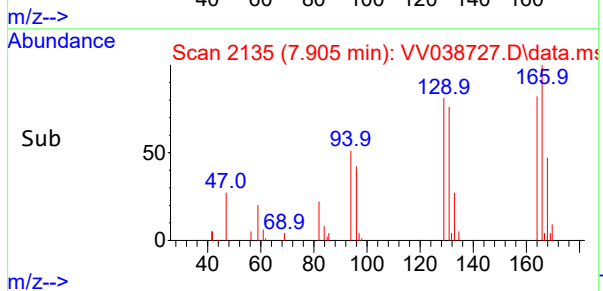
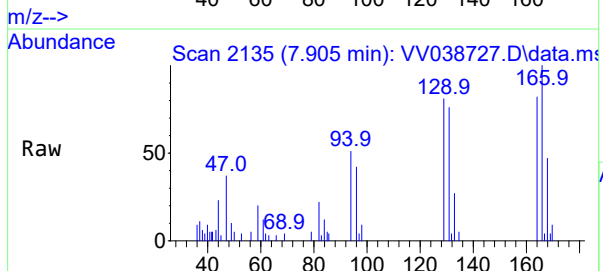
#45
1,1,2-Trichloroethane
Concen: 2.12 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.013 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion:	97	Resp:	6958
Ion	Ratio	Lower	Upper
97	100		
99	66.8	43.6	81.0
83	93.5	60.5	112.5
85	56.4	38.0	70.6



#46
Tetrachloroethene
Concen: 2.23 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.010 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

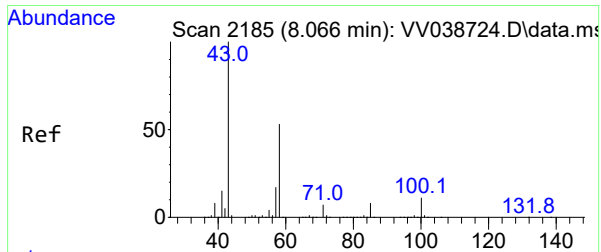
Tgt Ion:	164	Resp:	5088
Ion	Ratio	Lower	Upper
164	100		
129	99.2	69.2	128.4
131	92.9	63.1	117.3
166	122.0	89.7	166.5



Submitted by: Magesh Dabodu 03/18/2025
Reviewed by: John Catione 03/18/2025

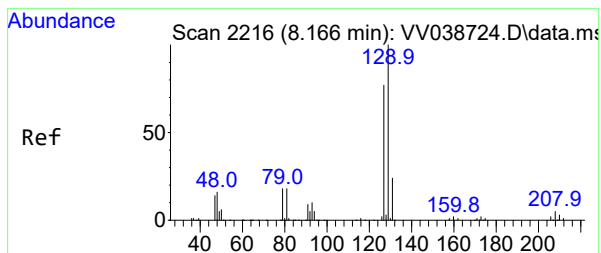
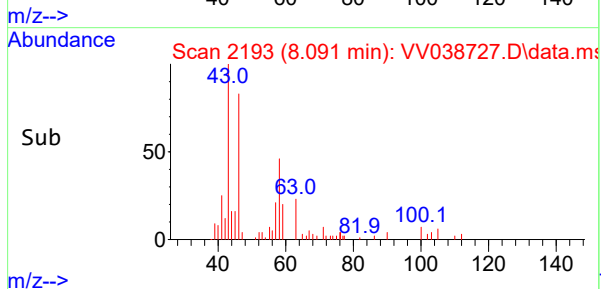
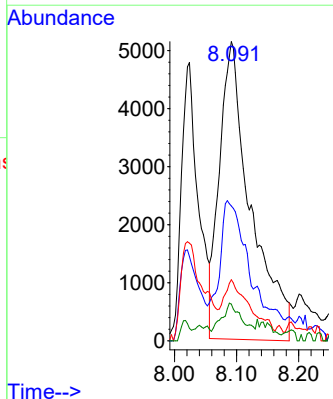
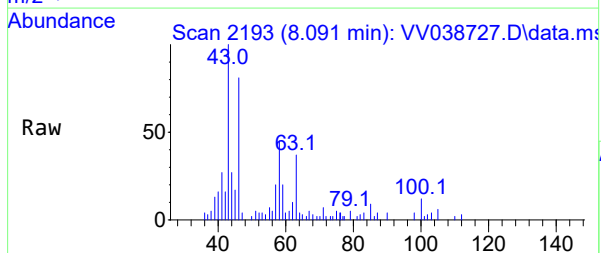
APPROVED
Manual integrations

MDT-MATEB-011-5052-05
Client Sample ID:
MS2A07A
Instrument:



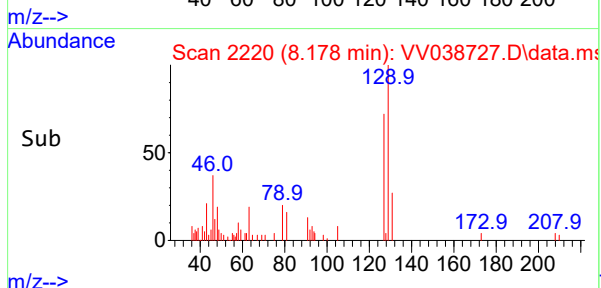
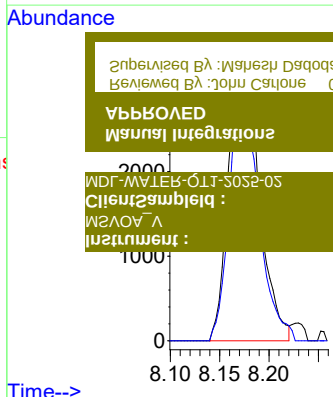
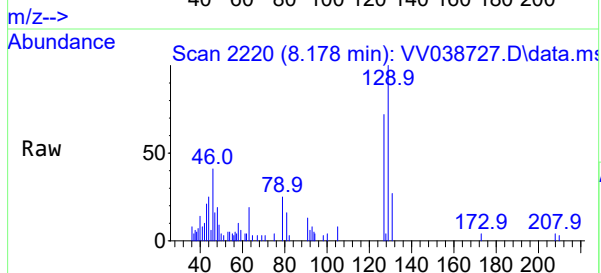
#48
2-Hexanone
Concen: 8.37 ug/L m
RT: 8.091 min Scan# 2193
Delta R.T. 0.023 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion: 43 Resp: 17941
Ion Ratio Lower Upper
43 100
58 26.7 48.0 72.0#
57 8.0 15.5 23.3#
100 3.6 11.0 16.4#



#49
Dibromochloromethane
Concen: 2.25 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.010 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

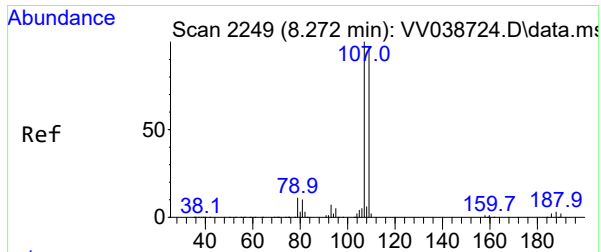
Tgt Ion: 129 Resp: 7377
Ion Ratio Lower Upper
129 100
127 71.9 53.8 100.0



Submitted by: Magesh Dabodu 03/18/2025
Reviewed by: John Catione 03/18/2025

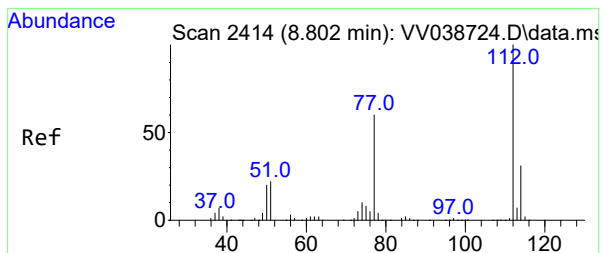
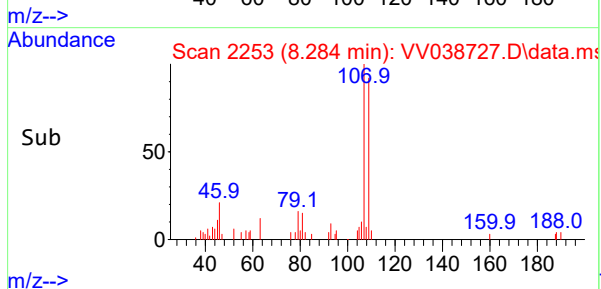
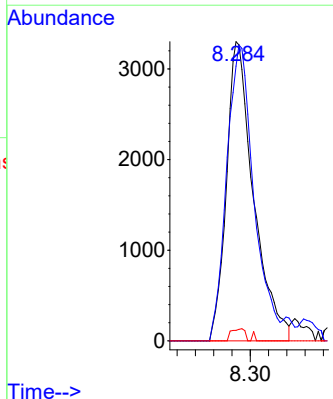
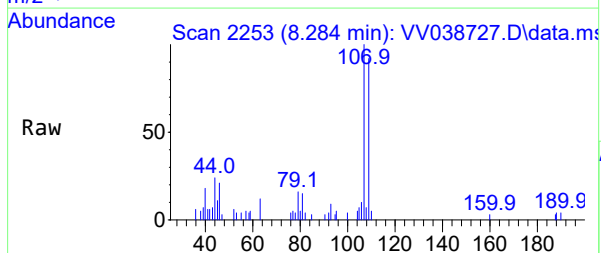
APPROVED
Manual Integrations

MDT-MATEB-011-5052-05
Client Sample ID:
MS/MS
Instrument:



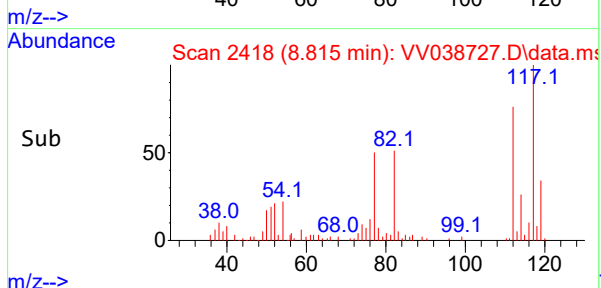
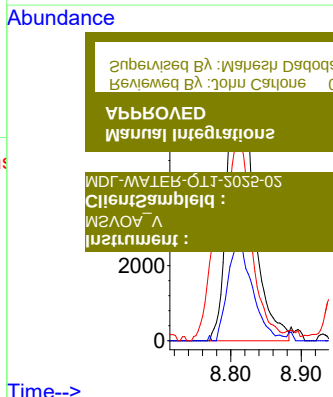
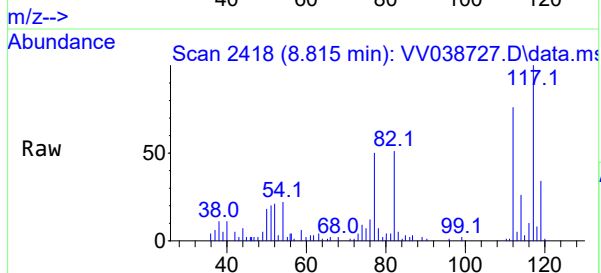
#50
1,2-Dibromoethane
Concen: 2.12 ug/L
RT: 8.284 min Scan# 2253
Delta R.T. 0.010 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion:107 Resp: 6784
Ion Ratio Lower Upper
107 100
109 91.8 66.1 122.7
188 3.5 2.6 3.8



#51
Chlorobenzene
Concen: 2.27 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. 0.010 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

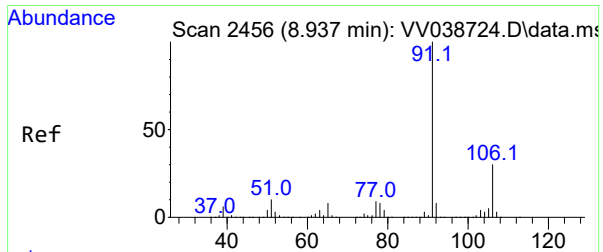
Tgt Ion:112 Resp: 19775
Ion Ratio Lower Upper
112 100
114 34.0 21.9 40.7
77 65.8 45.4 68.0



Subscribed By: Magesh Dabodu 03/11/2022
Reviewed By: John Cuthbert 03/11/2022

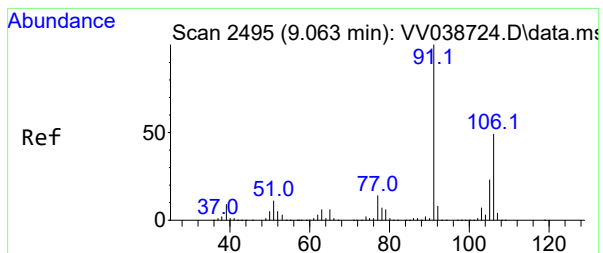
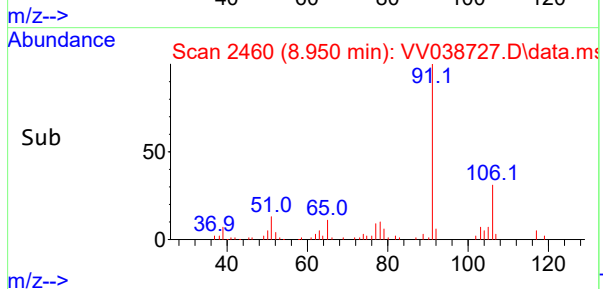
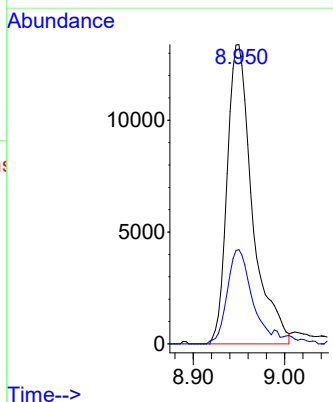
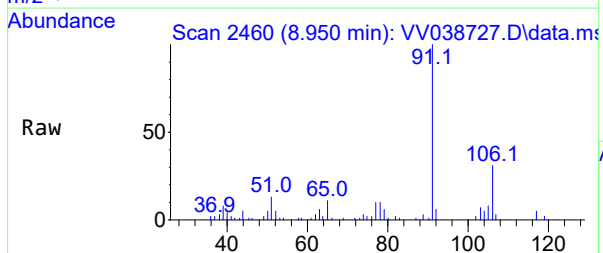
APPROVED
Manual Integrations

MDT-MATEB-011-2022-03
Client Sample ID:
MS/MS
Instrument:



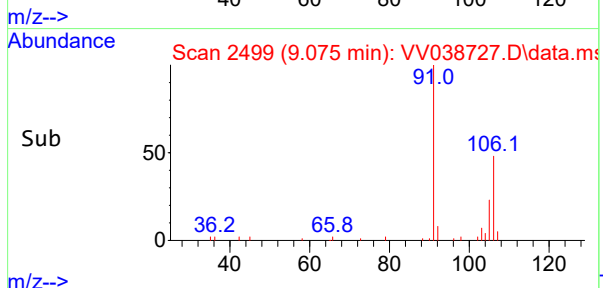
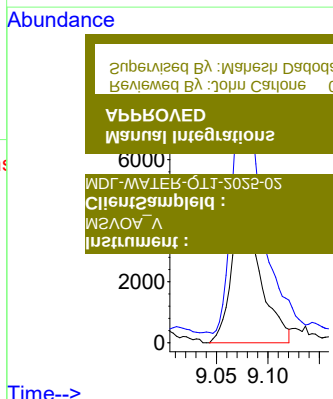
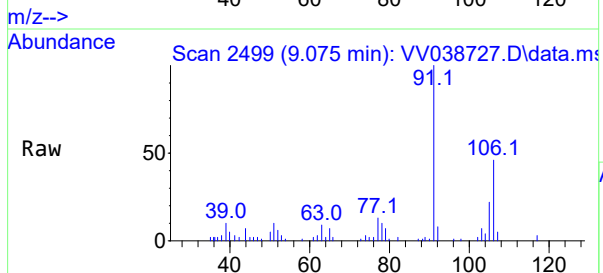
#52
Ethylbenzene
Concen: 1.82 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. 0.013 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion: 91 Resp: 25581
Ion Ratio Lower Upper
91 100
106 31.5 21.6 40.0



#53
m,p-Xylene
Concen: 1.73 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.010 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

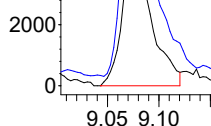
Tgt Ion: 106 Resp: 8833
Ion Ratio Lower Upper
106 100
91 217.3 142.6 264.8

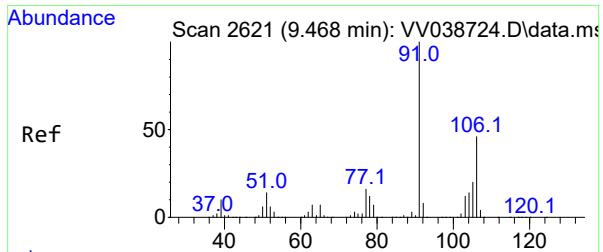


Submitted by: Marybeth DeBord 03/18/2025
Reviewed by: John C. Jones 03/18/2025

APPROVED
Manual Integrations

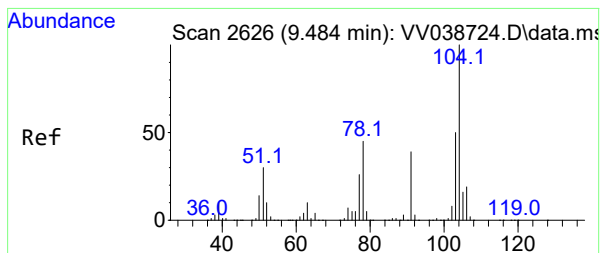
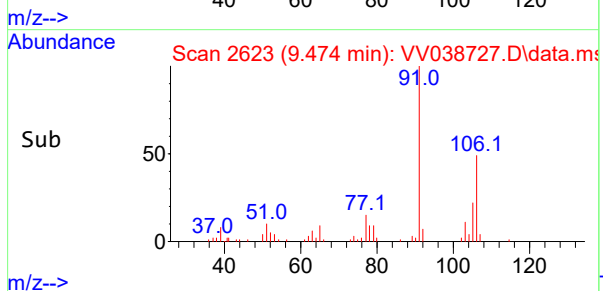
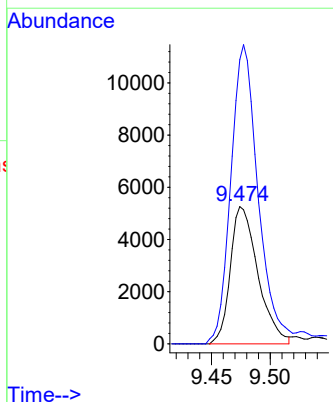
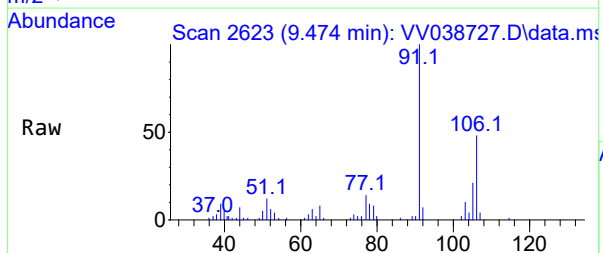
MDT-MATEB-011-2025-03
Client Sample ID:
MS/MS
Instrument:





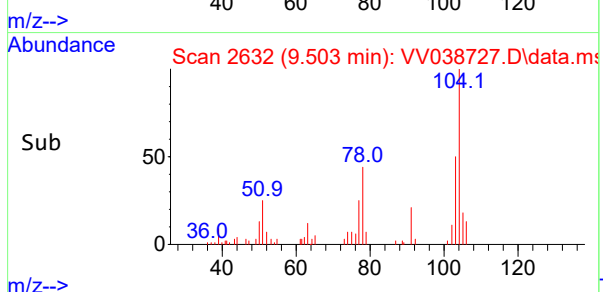
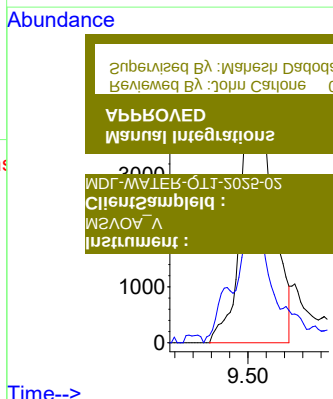
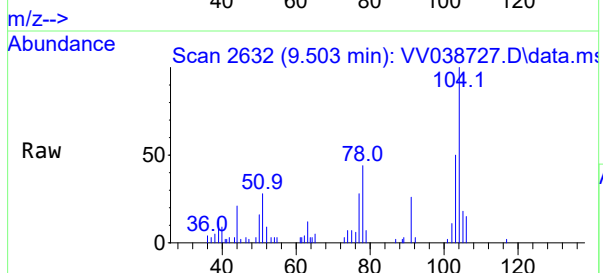
#54
o-Xylene
Concen: 1.73 ug/L
RT: 9.474 min Scan# 2623
Delta R.T. 0.003 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion:106 Resp: 8585
Ion Ratio Lower Upper
106 100
91 207.0 151.1 280.7



#55
Styrene
Concen: 1.33 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.016 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

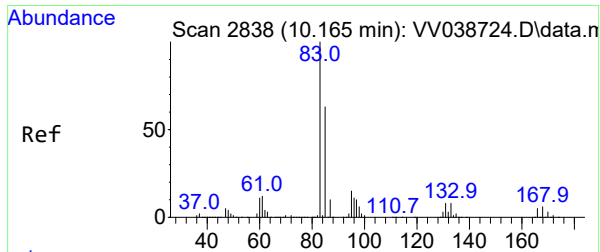
Tgt Ion:104 Resp: 11577
Ion Ratio Lower Upper
104 100
78 44.1 29.7 55.1



Submitted by: Mafresh Daboda 03/18/2025
Reviewed by: John Catione 03/18/2025

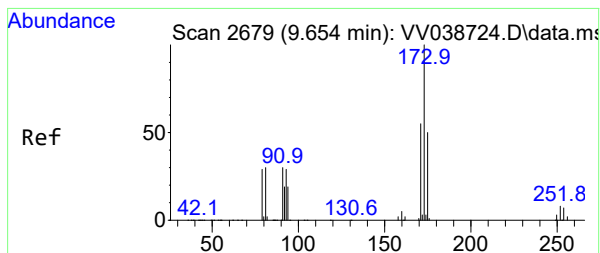
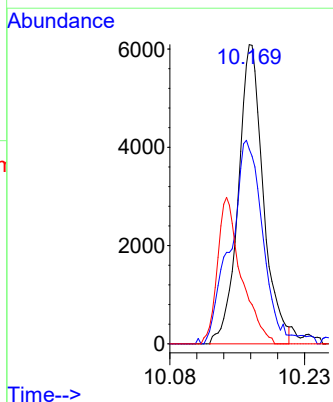
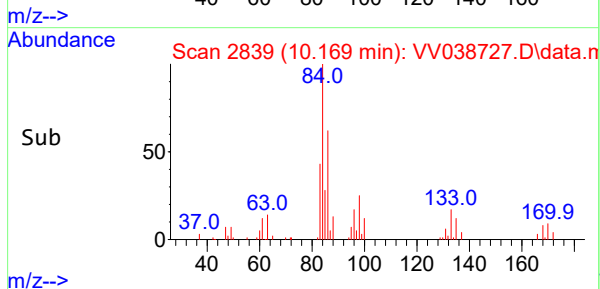
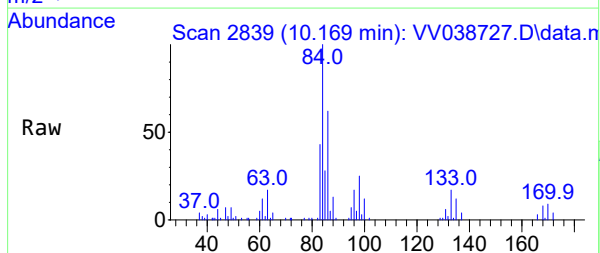
APPROVED
Manual Integrations

MDT-MATEB-011-2025-05
Client Sample ID:
MS/MS
Instrument:



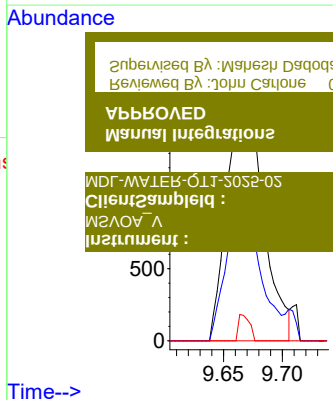
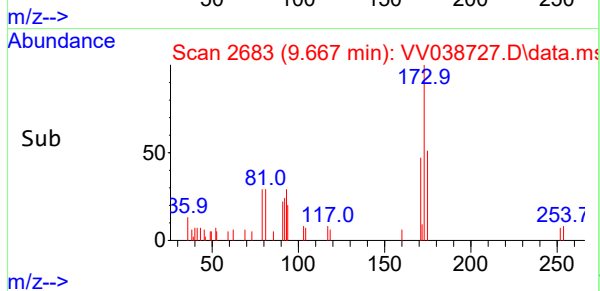
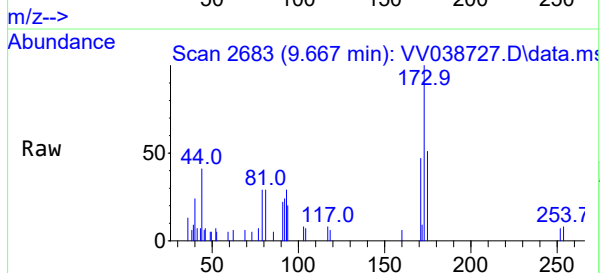
#57
1,1,2,2-Tetrachloroethane
Concen: 2.45 ug/L
RT: 10.169 min Scan# 2839
Delta R.T. 0.000 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion: 83 Resp: 11992
Ion Ratio Lower Upper
83 100
85 65.1 44.7 82.9
131 14.4 8.0 12.0#



#59
Bromoform
Concen: 2.40 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.010 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

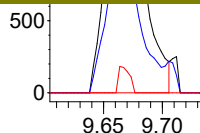
Tgt Ion: 173 Resp: 3825
Ion Ratio Lower Upper
173 100
175 53.0 38.8 58.2
254 3.1 6.9 10.3#

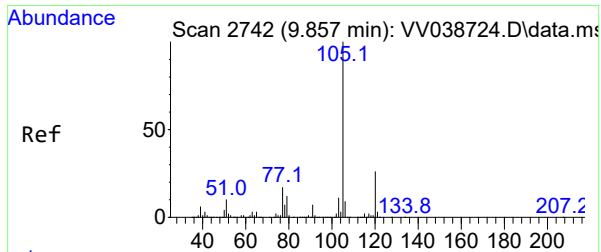


Submitted by: Magesh Dabodu 03/18/2025
Reviewed by: John Catione 03/18/2025

APPROVED
Manual Integrations

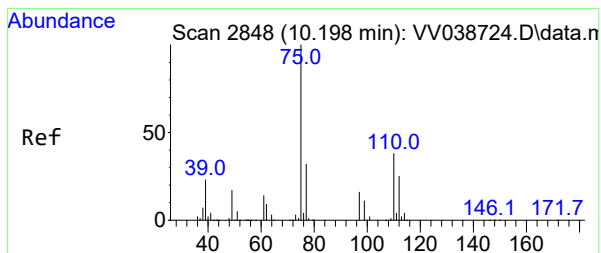
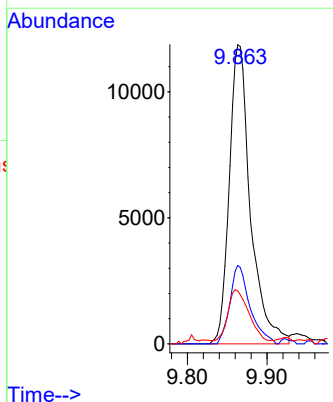
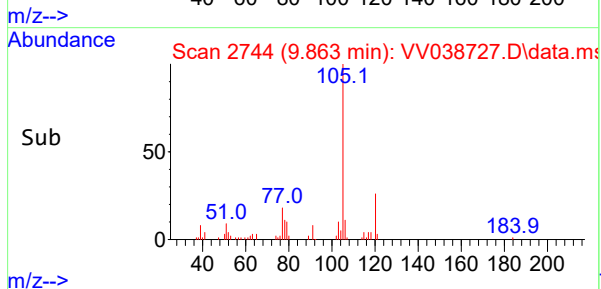
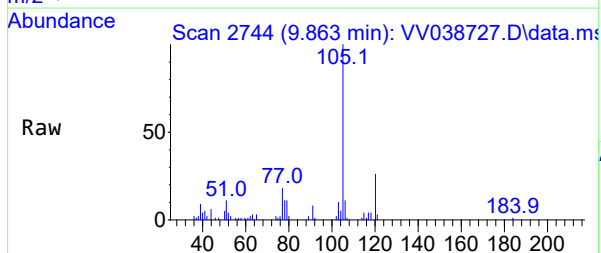
MDT-MATEB-011-5052-05
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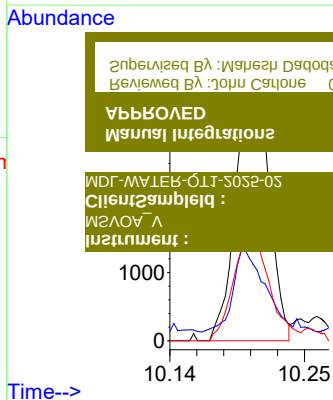
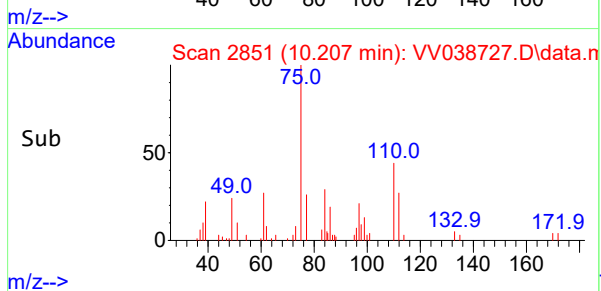
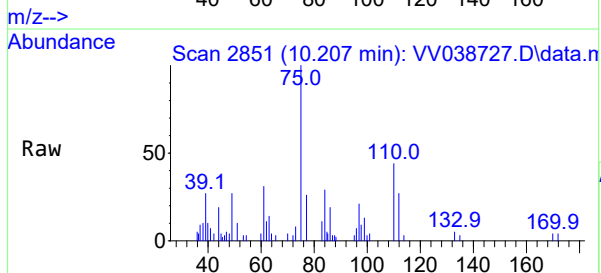
#60
Isopropylbenzene
Concen: 2.03 ug/L
RT: 9.863 min Scan# 2744
Delta R.T. 0.006 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion:	105	Resp:	21910
Ion	Ratio	Lower	Upper
105	100		
120	24.9	21.0	31.4
77	18.2	12.2	18.4



#61
1,2,3-Trichloropropane
Concen: 2.63 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.006 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

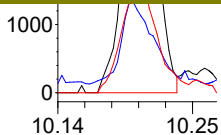
Tgt Ion:	75	Resp:	7543
Ion	Ratio	Lower	Upper
75	100		
77	28.8	25.8	38.6
110	44.7	32.2	48.4

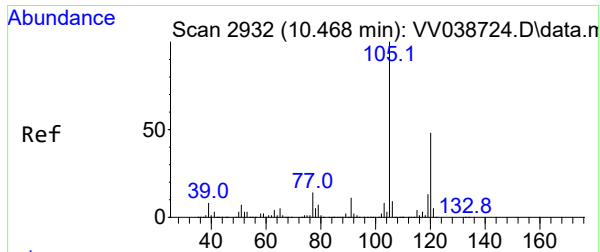


Submitted by: Magesh Dabodu 03/18/2025
Reviewed by: John Catione 03/18/2025

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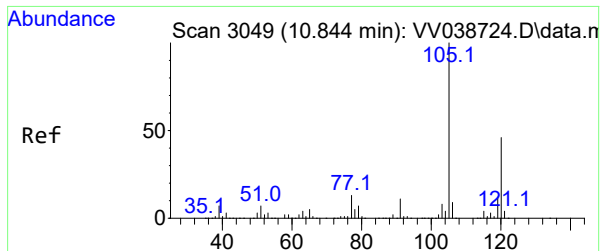
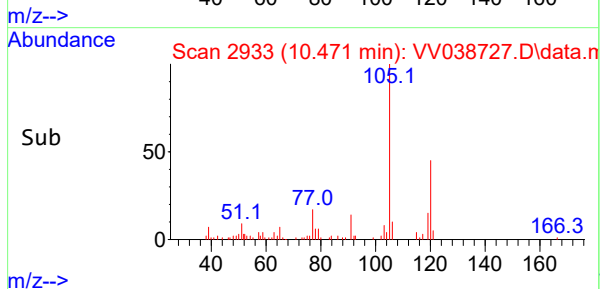
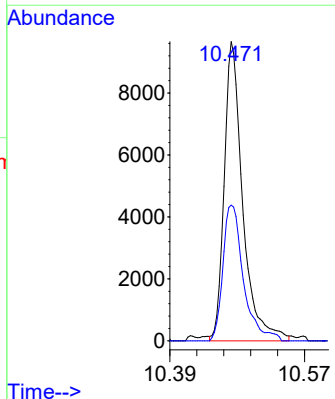
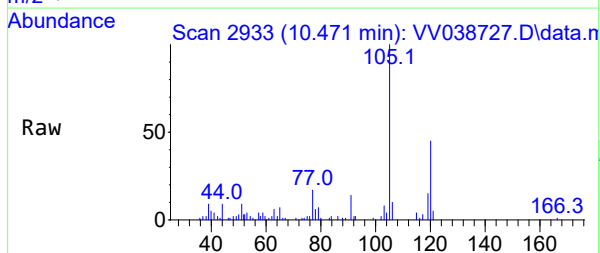
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Client Sample ID :
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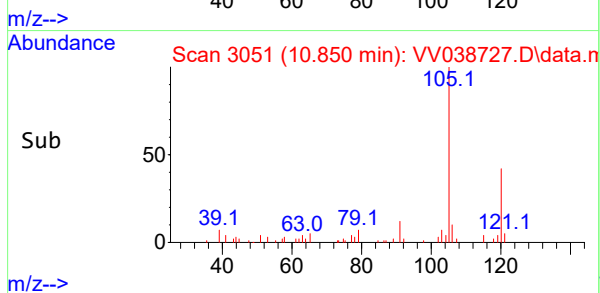
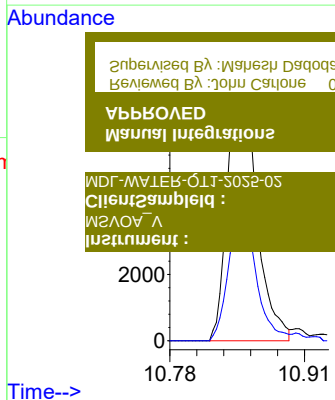
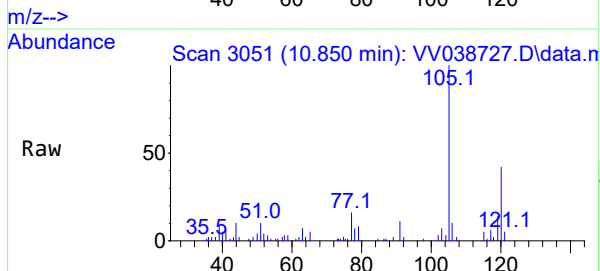
#62
1,3,5-Trimethylbenzene
Concen: 1.98 ug/L
RT: 10.471 min Scan# 2933
Delta R.T. 0.003 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion:105 Resp: 16571
Ion Ratio Lower Upper
105 100
120 48.9 39.1 58.7



#63
1,2,4-Trimethylbenzene
Concen: 1.84 ug/L
RT: 10.850 min Scan# 3051
Delta R.T. 0.006 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

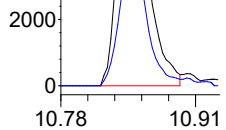
Tgt Ion:105 Resp: 15612
Ion Ratio Lower Upper
105 100
120 44.7 36.6 55.0

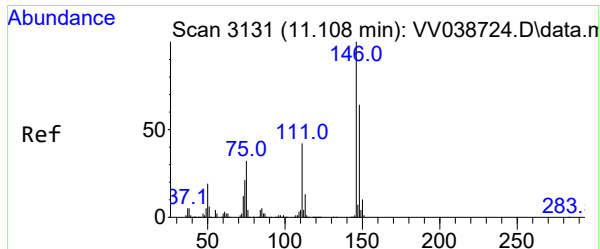


Submitted by: Manish Deshpande 03/18/2025
Reviewed by: John Collins 03/18/2025

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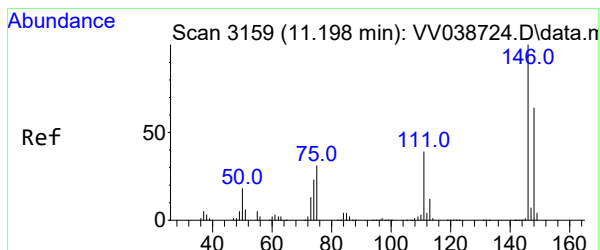
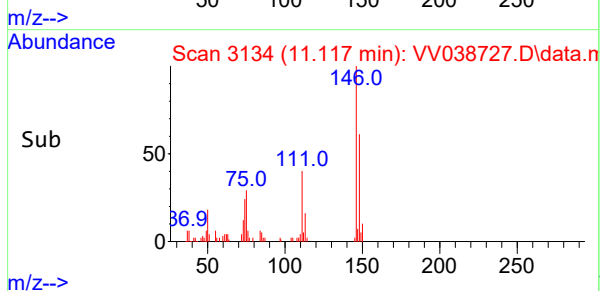
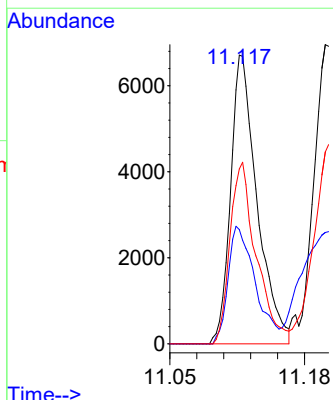
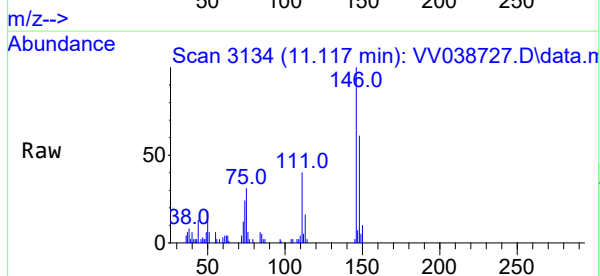
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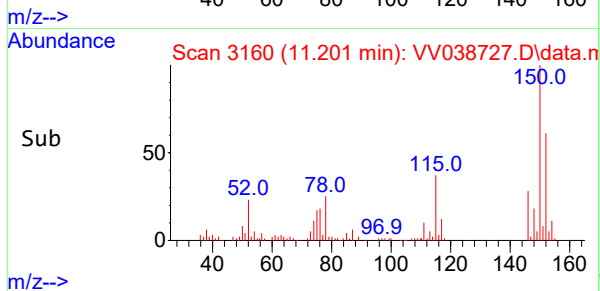
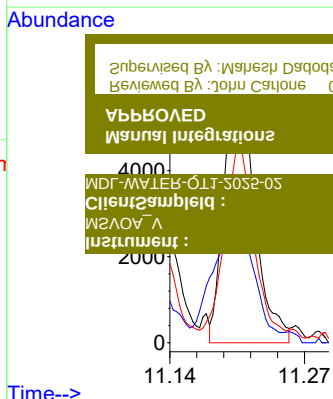
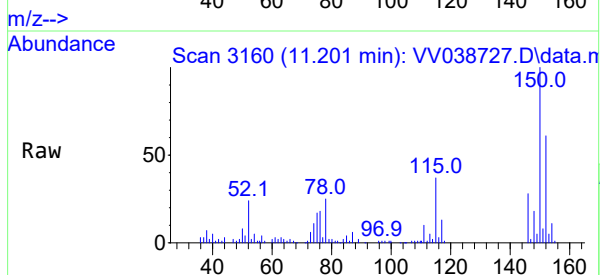
#64
1,3-Dichlorobenzene
Concen: 2.29 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.010 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion:	146	Resp:	11986
Ion	Ratio	Lower	Upper
146	100		
111	39.6	27.8	51.6
148	60.6	45.1	83.7



#65
1,4-Dichlorobenzene
Concen: 2.36 ug/L
RT: 11.201 min Scan# 3160
Delta R.T. 0.000 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

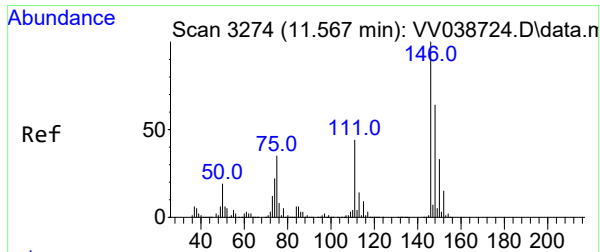
Tgt Ion:	146	Resp:	13274
Ion	Ratio	Lower	Upper
146	100		
111	37.2	27.6	51.4
148	64.1	44.9	83.3



Submitted by: Magesh Dabodu 03/18/2025
Reviewed by: John Catione 03/18/2025

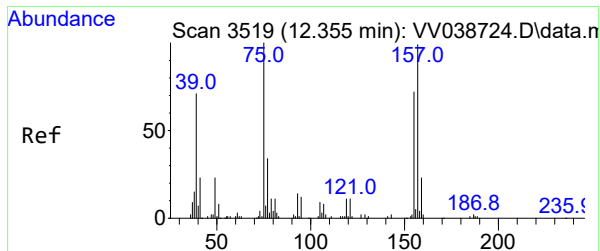
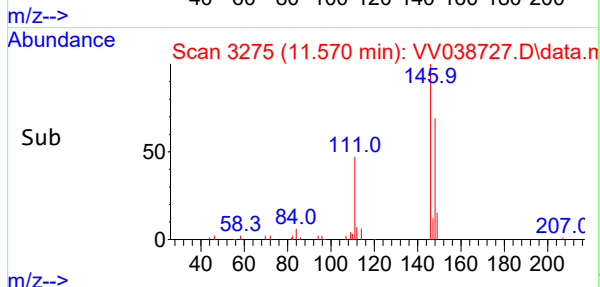
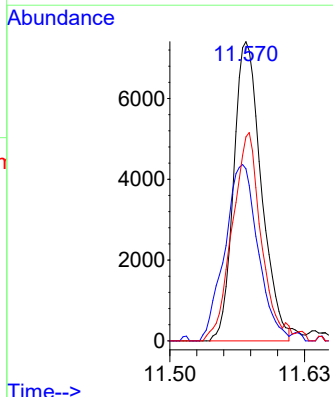
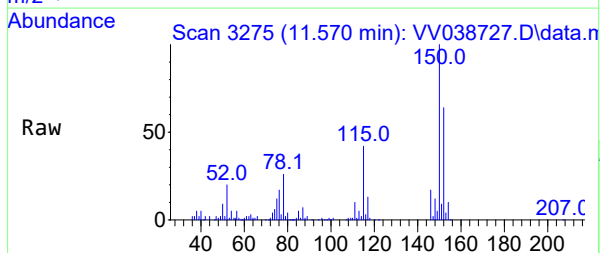
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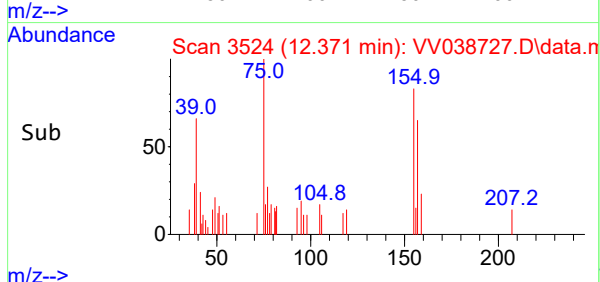
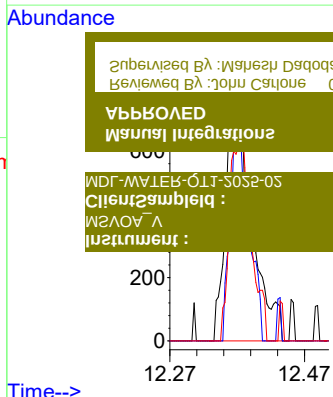
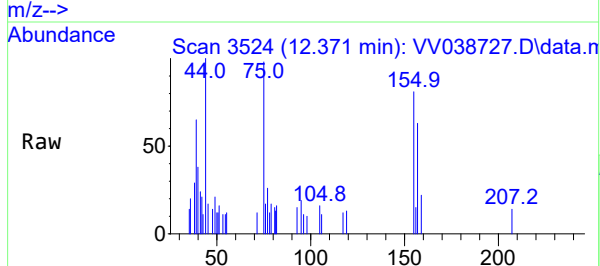
#67
1,2-Dichlorobenzene
Concen: 2.59 ug/L
RT: 11.570 min Scan# 3275
Delta R.T. 0.003 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion: 146 Resp: 13807
Ion Ratio Lower Upper
146 100
111 57.5 34.2 51.2#
148 68.2 50.5 75.7



#68
1,2-Dibromo-3-chloropropane
Concen: 3.19 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. 0.016 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

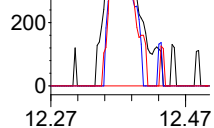
Tgt Ion: 75 Resp: 2208
Ion Ratio Lower Upper
75 100
155 82.8 66.8 100.2
157 64.7 83.4 125.2#

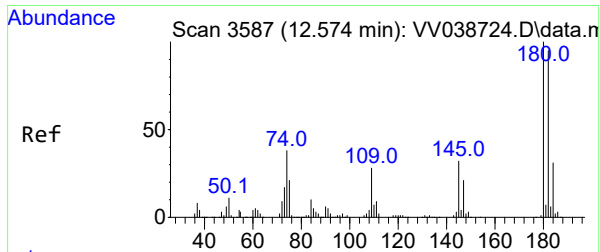


Submitted by: Magesh Dabodu 03/18/2025
Reviewed by: John Catione 03/18/2025

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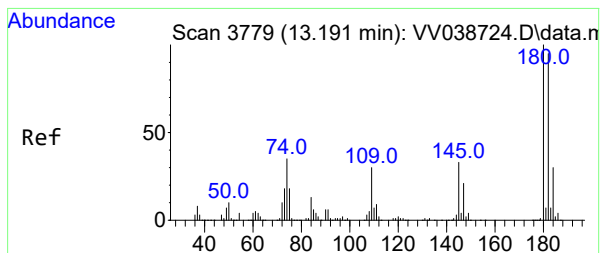
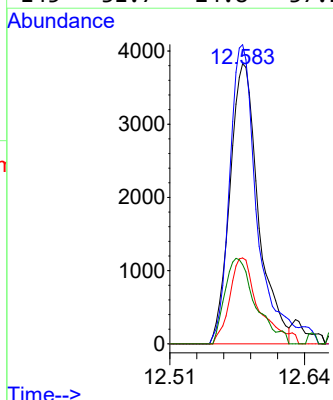
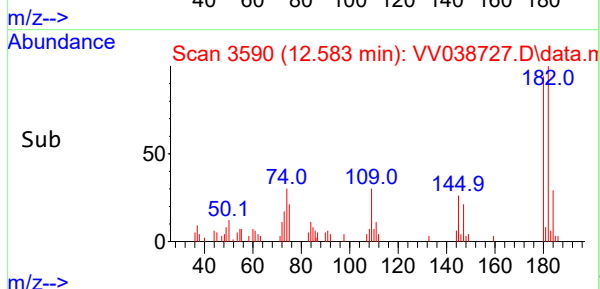
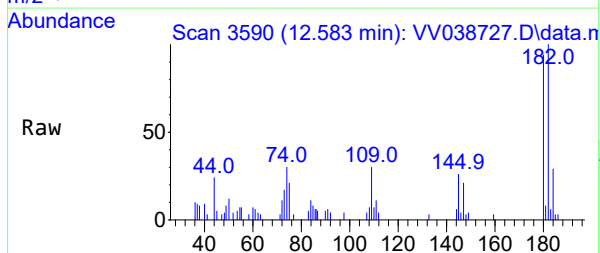
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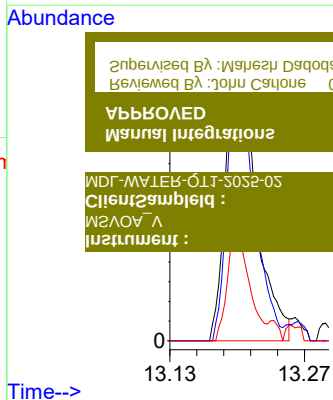
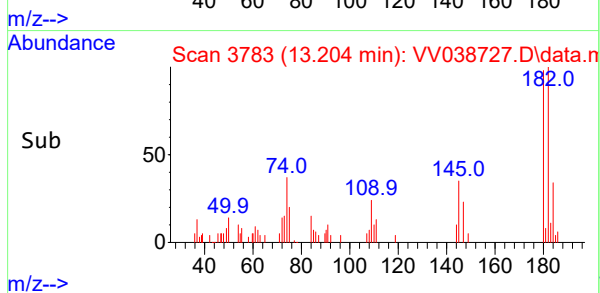
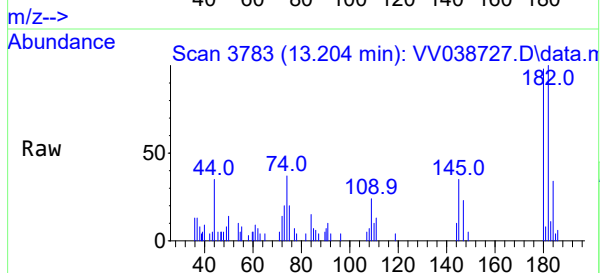
#69
1,3,5-Trichlorobenzene
Concen: 2.20 ug/L
RT: 12.583 min Scan# 3590
Delta R.T. 0.010 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion:	180	Resp:	7346
Ion Ratio	Lower	Upper	
180	100		
182	102.1	76.2	114.4
184	31.0	23.8	35.6
145	31.7	24.8	37.2



#70
1,2,4-trichlorobenzene
Concen: 2.34 ug/L
RT: 13.204 min Scan# 3783
Delta R.T. 0.016 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

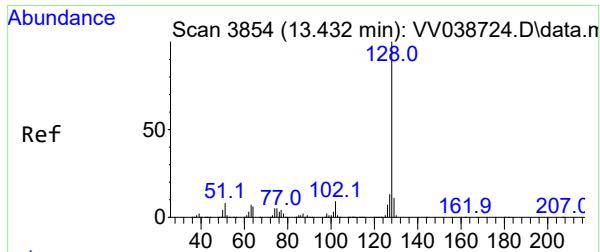
Tgt Ion:	180	Resp:	6412
Ion Ratio	Lower	Upper	
180	100		
182	87.5	76.2	114.2
145	28.7	24.7	37.1



Submitted by: Maryam Daboud 03/18/2025
Reviewed by: John C. Jones 03/18/2025

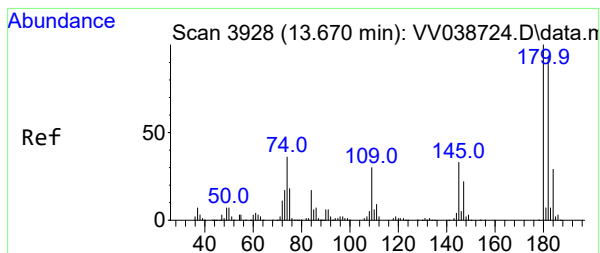
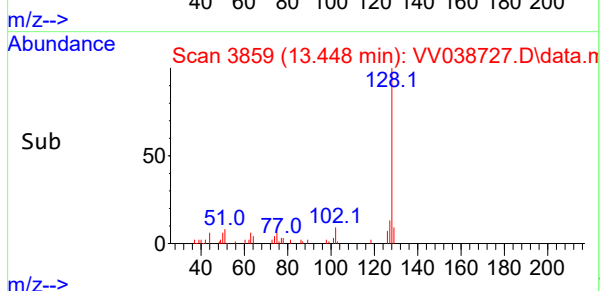
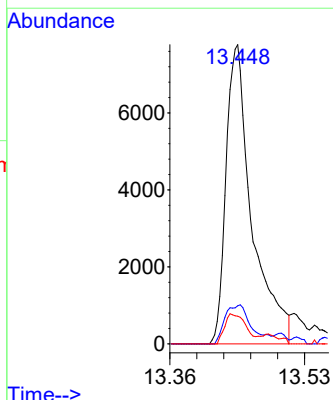
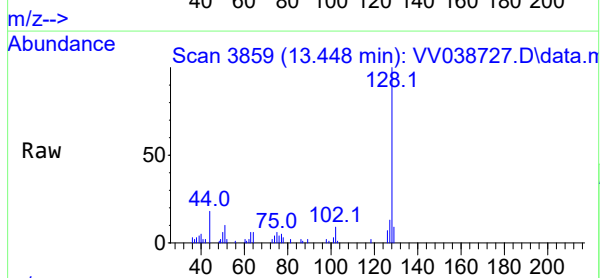
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Manual integrations

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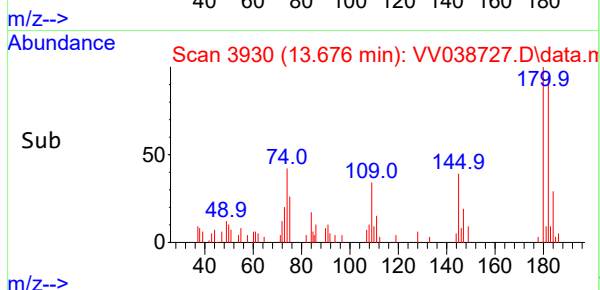
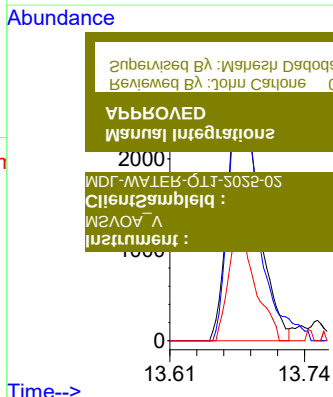
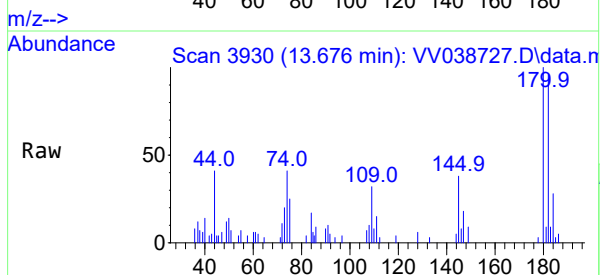
#71
Naphthalene
Concen: 2.46 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.019 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion:128 Resp: 17476
Ion Ratio Lower Upper
128 100
127 4.7 10.1 15.1#
129 8.2 8.6 12.8#



#72
1,2,3-Trichlorobenzene
Concen: 2.31 ug/L
RT: 13.676 min Scan# 3930
Delta R.T. 0.006 min
Lab File: VV038727.D
Acq: 18 Mar 2025 10:26

Tgt Ion:180 Resp: 6206
Ion Ratio Lower Upper
180 100
182 98.4 75.8 113.6
145 37.5 27.1 40.7



Subtracted by: MARIAN DABOBA 03/18/2025
Reviewed by: JOHN CATHOLE 03/18/2025

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Manual integrations

2000
MDT-MATEB-011-S052-05
Client Sample ID:
M2A07A
Instrument: