

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031725\
 Data File : VV038720.D
 Acq On : 17 Mar 2025 17:06
 Operator : SY/MD
 Sample : Q1546-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 18 08:11:24 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	5.529	114	366591	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	389916	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	165830	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	170241	46.13	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	92.26%	
7) Chloroethane-d5	1.529	69	144709	46.77	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	93.54%	
11) 1,1-Dichloroethene-d2	2.053	65	75198	45.44	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	90.88%	
21) 2-Butanone-d5	3.790	46	112791	84.84	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	84.84%	
24) Chloroform-d	4.240	84	309072	46.32	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	92.64%	
26) 1,2-Dichloroethane-d4	4.934	65	192552	49.60	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	99.20%	
32) Benzene-d6	4.950	84	598428	48.47	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	96.94%	
36) 1,2-Dichloropropane-d6	5.979	67	203437	51.03	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	102.06%	
41) Toluene-d8	7.236	98	503435	46.94	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	93.88%	
43) trans-1,3-Dichloroprop...	7.548	79	76210	46.39	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	92.78%	
47) 2-Hexanone-d5	8.021	63	71301	86.46	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	109.58%	
56) 1,1,2,2-Tetrachloroeth...	10.143	84	227004			
Spiked Amount	50.000	Range 65 - 120	Recovery	=	109.58%	
66) 1,2-Dichlorobenzene-d4	11.551	152	173439			
Spiked Amount	50.000	Range 80 - 120	Recovery	=	109.58%	
Target Compounds						
2) Dichlorodifluoromethane	1.108	85	5978	2.47	ug/L	98
3) Chloromethane	1.214	50	9144	2.32	ug/L #	1
5) Vinyl chloride	1.282	62	8941	2.28	ug/L	98
6) Bromomethane	1.484	94	4597	2.25	ug/L	91
8) Chloroethane	1.545	64	5506	2.18	ug/L	99
9) Trichlorofluoromethane	1.709	101	10631	2.84	ug/L #	80
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	8313	2.71	ug/L #	1
12) 1,1-Dichloroethene	2.063	96	7466	4.08	ug/L	94
13) Acetone	2.111	43	5333	2.35	ug/L	98
14) Carbon disulfide	2.237	76	20106	2.03	ug/L	
15) Methyl Acetate	2.391	43	5306m	2.20	ug/L	93
17) trans-1,2-Dichloroethene	2.696	96	6371	1.94	ug/L #	89
18) Methyl tert-butyl Ether	2.700	73	15764	2.19	ug/L	95
19) 1,1-Dichloroethane	3.108	63	13327	2.02	ug/L	81
20) cis-1,2-Dichloroethene	3.818	96	6410	7.00	ug/L	
22) 2-Butanone	3.957	43	10756m	2.24	ug/L	
23) Bromochloromethane	4.162	128	3802m	2.05	ug/L	95
27) 1,2-Dichloroethane	5.056	62	8975	1.85	ug/L #	83
29) Cyclohexane	4.574	56	8854			

Submitted by: Marybeth DeBord 03/18/2025
 Reviewed by: John Cullum 03/18/2025

APPROVED
 Manual integrations

MDT-MATEB-011-5052-01
 Client Sample # :
 MS/MS
 Instrument :

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 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	4.507	97	10575	2.12	ug/L #	80
31) Carbon tetrachloride	4.732	117	9216	2.15	ug/L	94
33) Benzene	5.011	78	24640	1.99	ug/L	100
34) Trichloroethene	5.838	95	7008m	2.20	ug/L	
35) Methylcyclohexane	6.040	83	7760	1.66	ug/L	89
37) 1,2-Dichloropropane	6.098	63	6365	1.84	ug/L #	96
38) Bromodichloromethane	6.439	83	9697	2.13	ug/L	90
39) cis-1,3-Dichloropropene	6.966	75	9712	1.97	ug/L	99
40) 4-Methyl-2-pentanone	7.169	43	8435	2.75	ug/L #	91
42) Toluene	7.320	91	25575	2.02	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	10069m	2.15	ug/L	
45) 1,1,2-Trichloroethane	7.773	97	6359	1.95	ug/L	92
46) Tetrachloroethene	7.905	164	4756	2.10	ug/L	94
48) 2-Hexanone	8.088	43	11024	5.19	ug/L #	85
49) Dibromochloromethane	8.172	129	7020	2.16	ug/L	99
50) 1,2-Dibromoethane	8.285	107	7027	2.22	ug/L	96
51) Chlorobenzene	8.812	112	18997	2.20	ug/L	94
52) Ethylbenzene	8.947	91	25331	1.81	ug/L	96
53) m,p-Xylene	9.072	106	8491	1.68	ug/L	85
54) o-Xylene	9.477	106	8065	1.64	ug/L	90
57) 1,1,2,2-Tetrachloroethane	10.169	83	11260	2.32	ug/L #	96
59) Bromoform	9.667	173	4004m	2.60	ug/L	
60) Isopropylbenzene	9.863	105	20287	1.94	ug/L #	95
61) 1,2,3-Trichloropropane	10.204	75	7717	2.79	ug/L #	85
62) 1,3,5-Trimethylbenzene	10.471	105	15167	1.88	ug/L	95
63) 1,2,4-Trimethylbenzene	10.850	105	14738	1.80	ug/L	94
64) 1,3-Dichlorobenzene	11.120	146	11310	2.24	ug/L	95
65) 1,4-Dichlorobenzene	11.201	146	12523			
67) 1,2-Dichlorobenzene	11.571	146	13903			
68) 1,2-Dibromo-3-chloropr...	12.374	75	2101			
69) 1,3,5-Trichlorobenzene	12.580	180	7309			
70) 1,2,4-trichlorobenzene	13.201	180	5343	2.02	ug/L	98
71) Naphthalene	13.448	128	13027			
72) 1,2,3-Trichlorobenzene	13.677	180	5617			

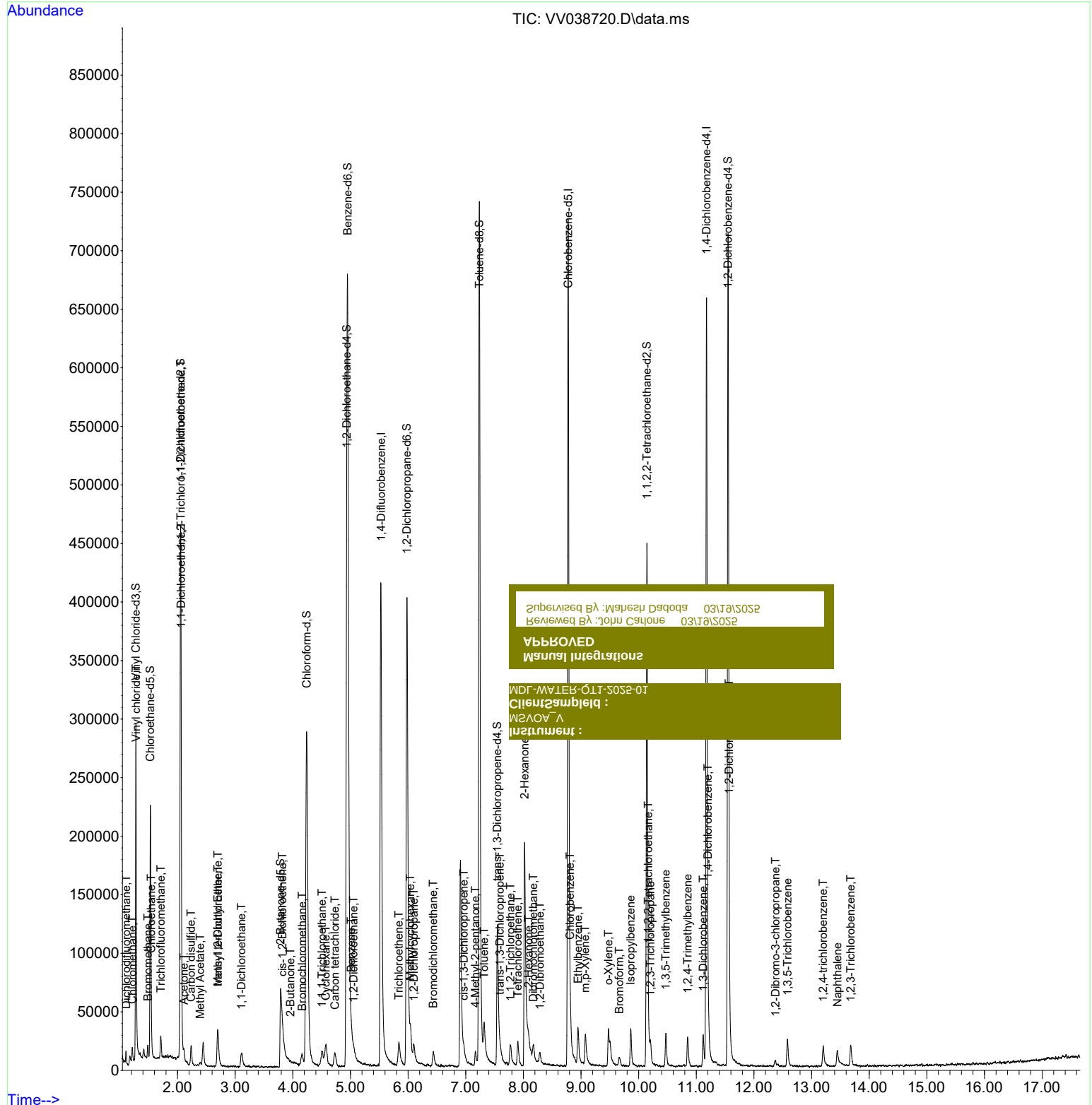
Substance by : Maresa Daboda 03/18/2025
 Released by : John Carone 03/18/2025

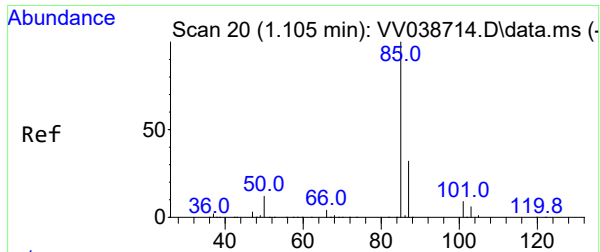
APPROVED
 Manual integrations

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

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

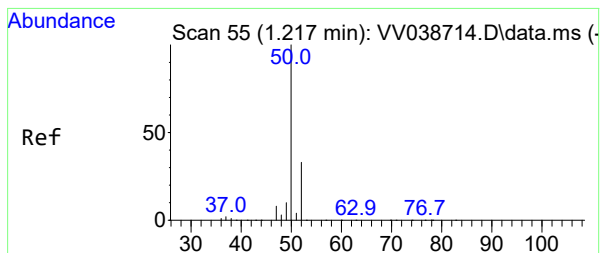
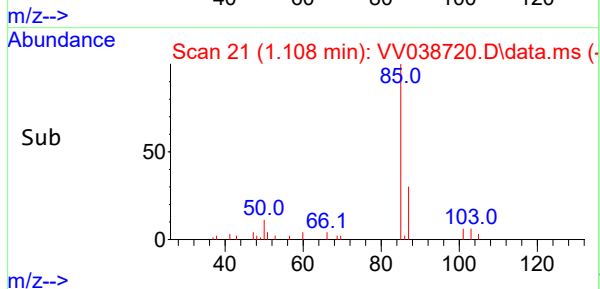
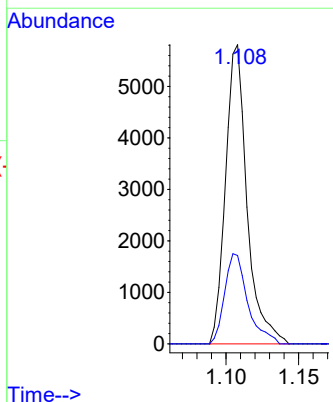
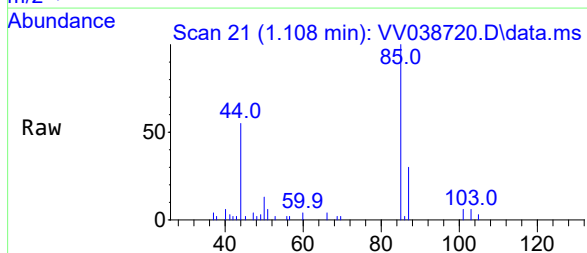
Quant Time: Mar 18 08:11:24 2025
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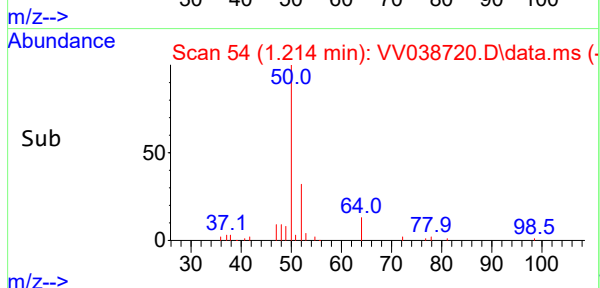
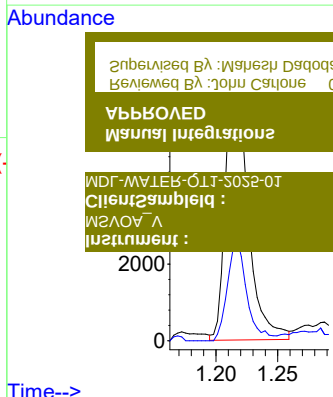
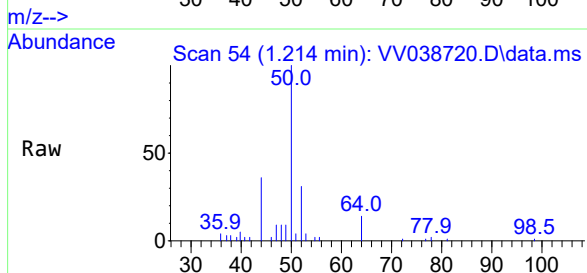
#2
Dichlorodifluoromethane
Concen: 2.09 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion: 85 Resp: 5978
Ion Ratio Lower Upper
85 100
87 32.4 25.8 38.6



#3
Chloromethane
Concen: 2.47 ug/L
RT: 1.214 min Scan# 54
Delta R.T. -0.003 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

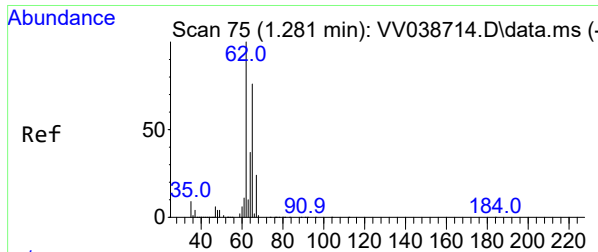
Tgt Ion: 50 Resp: 9144
Ion Ratio Lower Upper
50 100
52 31.3 22.7 42.3



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

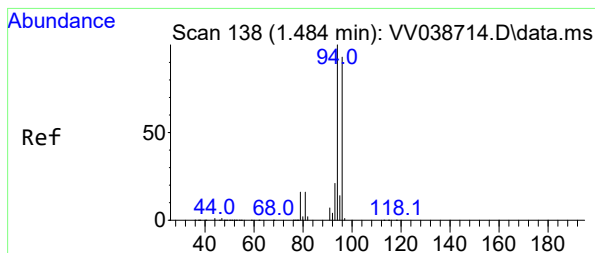
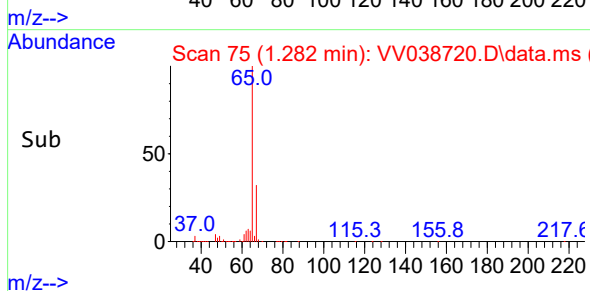
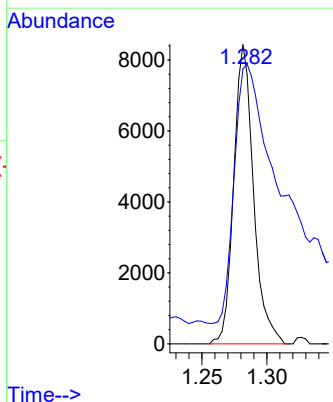
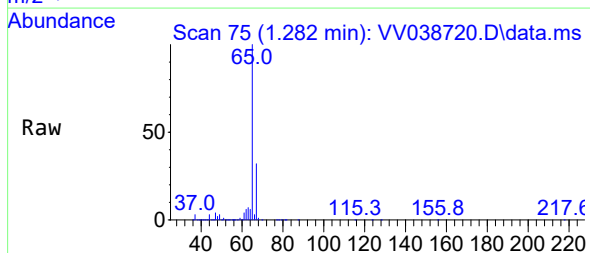
APPROVED
Manual Integrations

MDT-MATEB-011-5052-01
Client Sample ID :
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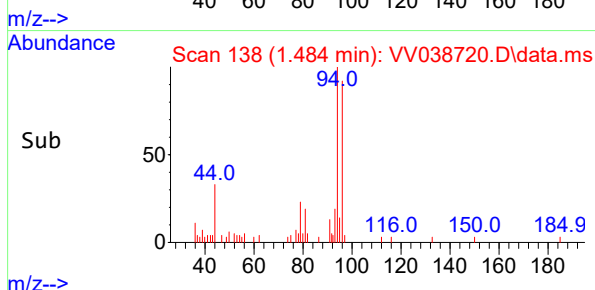
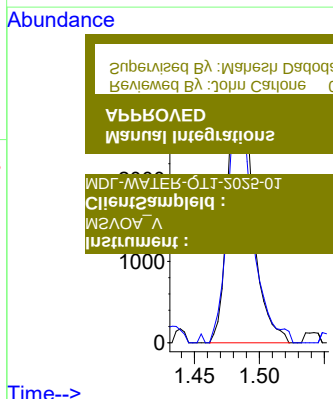
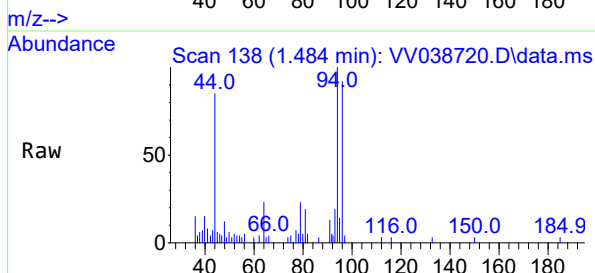
#5
Vinyl chloride
Concen: 2.32 ug/L
RT: 1.282 min Scan# 75
Delta R.T. 0.000 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion: 62 Resp: 8941
Ion Ratio Lower Upper
62 100
64 91.9 22.8 42.4#



#6
Bromomethane
Concen: 2.28 ug/L
RT: 1.484 min Scan# 138
Delta R.T. 0.000 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

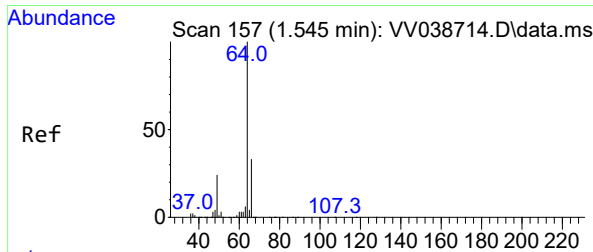
Tgt Ion: 94 Resp: 4597
Ion Ratio Lower Upper
94 100
96 92.2 66.1 122.8



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

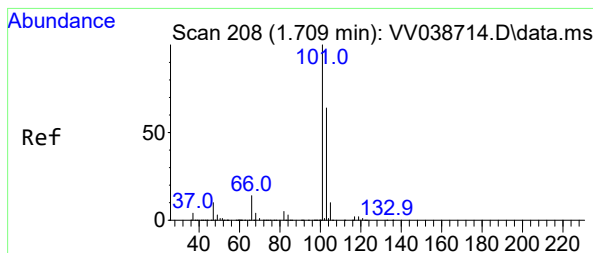
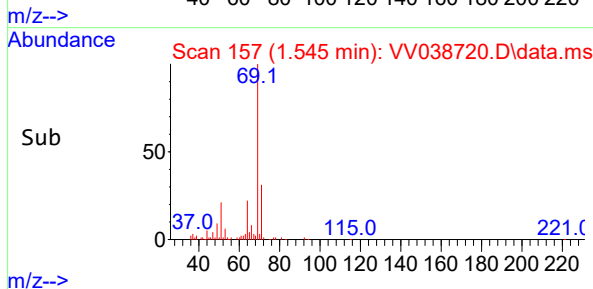
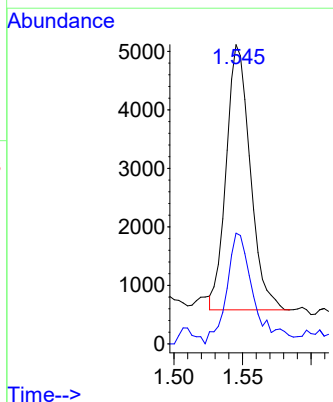
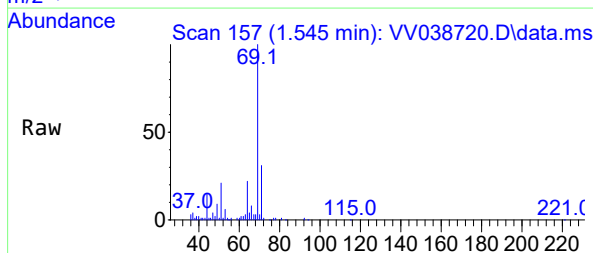
APPROVED
Manual Integrations

MDT-MATEB-011-2025-01
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Instrument:



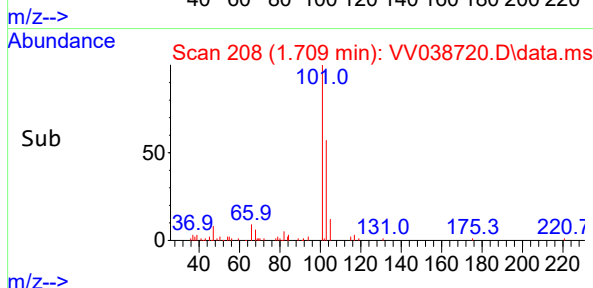
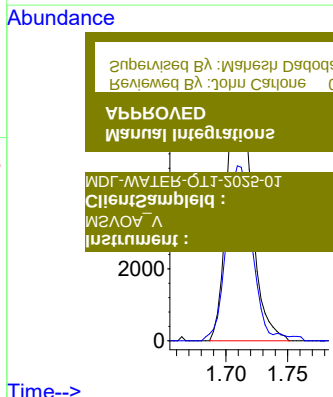
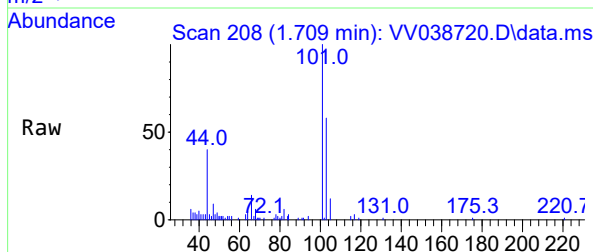
#8
Chloroethane
Concen: 2.25 ug/L
RT: 1.545 min Scan# 157
Delta R.T. 0.000 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion: 64 Resp: 5506
Ion Ratio Lower Upper
64 100
66 37.0 22.3 41.5



#9
Trichlorofluoromethane
Concen: 2.18 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

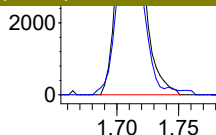
Tgt Ion: 101 Resp: 10631
Ion Ratio Lower Upper
101 100
103 65.7 51.7 77.5

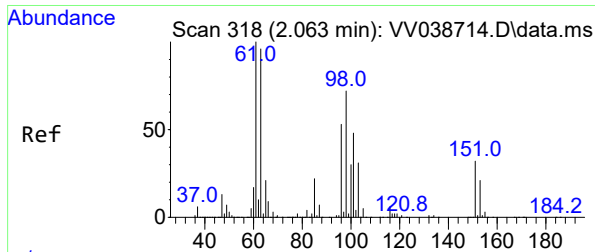


Submitted by: Magesh Dabodu 03/18/2025
Reviewed by: John Catione 03/18/2025

APPROVED
Manual Integrations

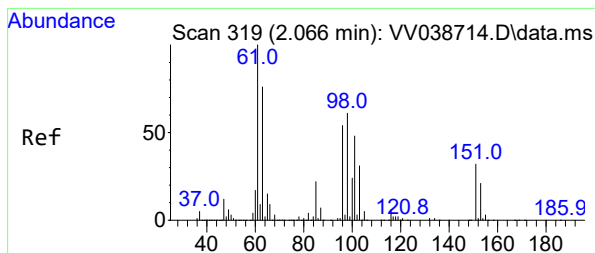
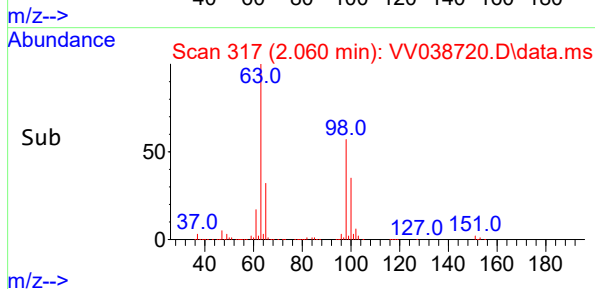
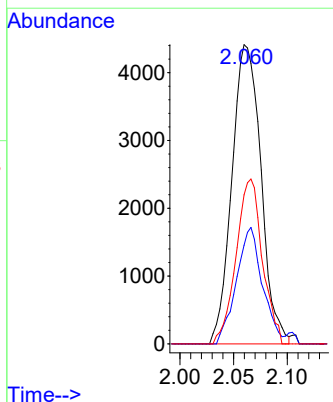
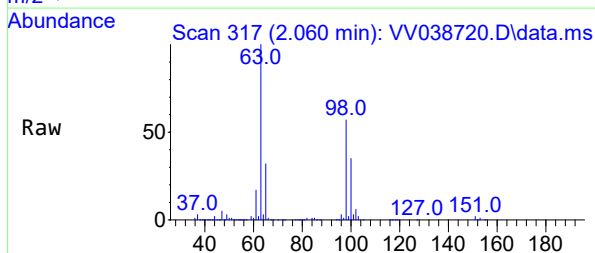
MDT-MATEB-011-S052-01
Client Sample ID:
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Instrument:





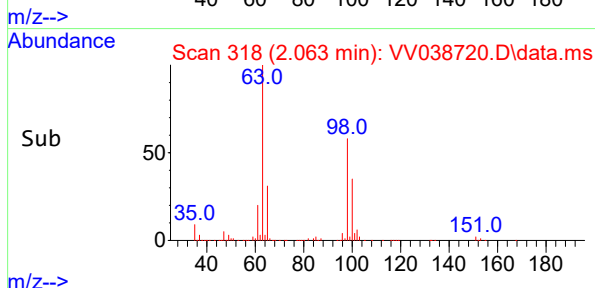
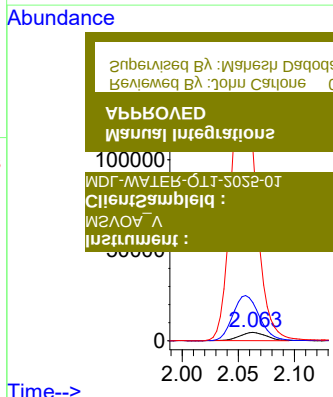
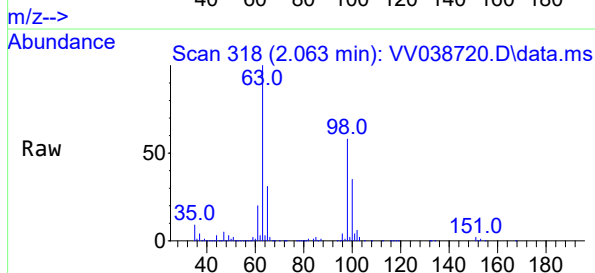
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.84 ug/L
RT: 2.060 min Scan# 317
Delta R.T. -0.003 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion: 101 Resp: 8313
Ion Ratio Lower Upper
101 100
85 34.9 34.7 52.1
151 49.8 55.3 82.9#



#12
1,1-Dichloroethene
Concen: 2.71 ug/L
RT: 2.063 min Scan# 318
Delta R.T. -0.003 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

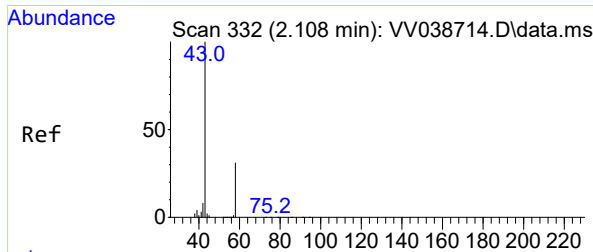
Tgt Ion: 96 Resp: 7466
Ion Ratio Lower Upper
96 100
61 454.1 120.9 224.5#
63 2288.8 110.9 205.9#



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

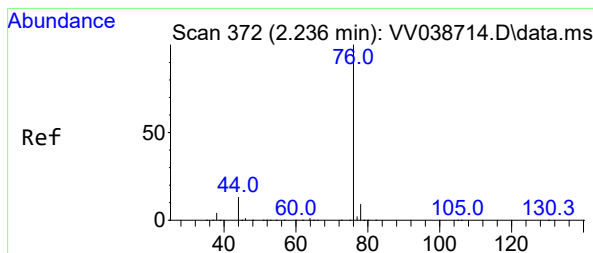
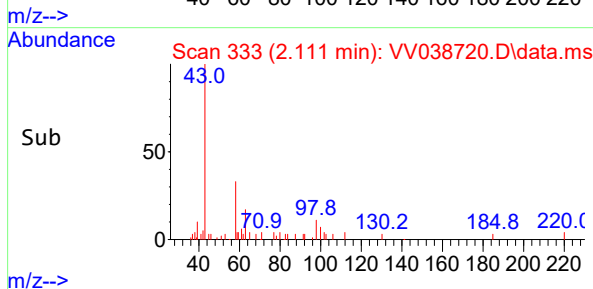
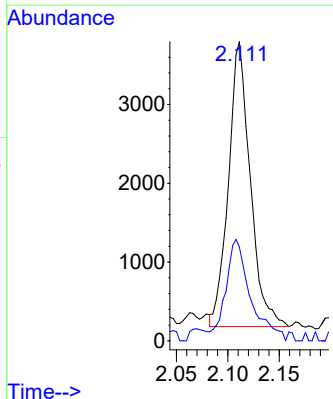
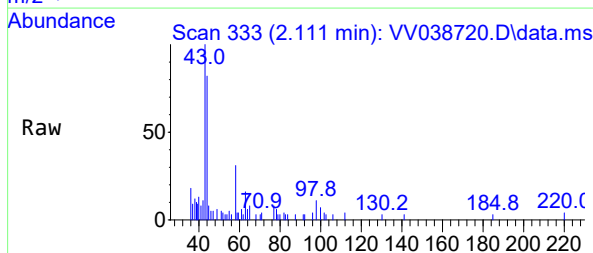
APPROVED
Manual Integration

100000
MDT-MATEB-011-5052-01
Client Sample:
MS/MS
Instrument:



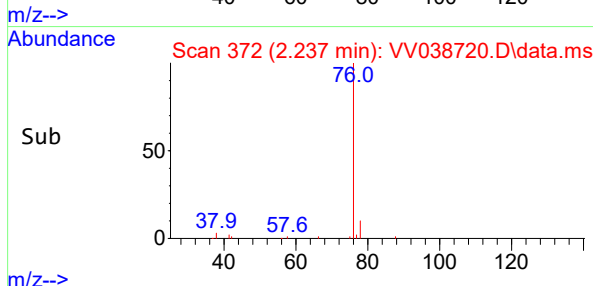
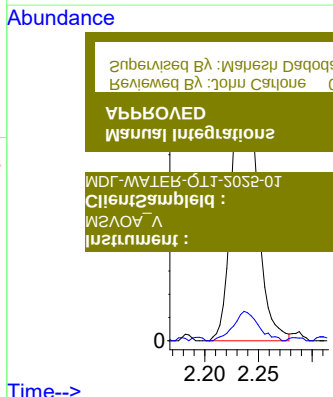
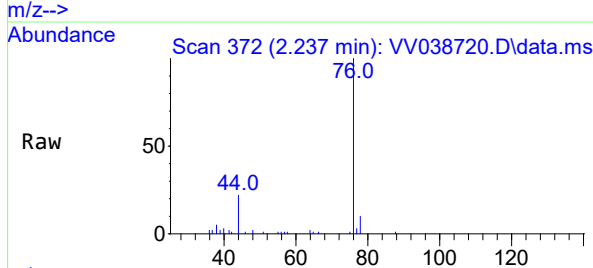
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Acetone
Concen: 4.08 ug/L
RT: 2.111 min Scan# 333
Delta R.T. 0.003 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion: 43 Resp: 5333
Ion Ratio Lower Upper
43 100
58 29.9 0.0 67.2



#14
Carbon disulfide
Concen: 2.35 ug/L
RT: 2.237 min Scan# 372
Delta R.T. 0.000 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

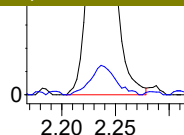
Tgt Ion: 76 Resp: 20106
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.0

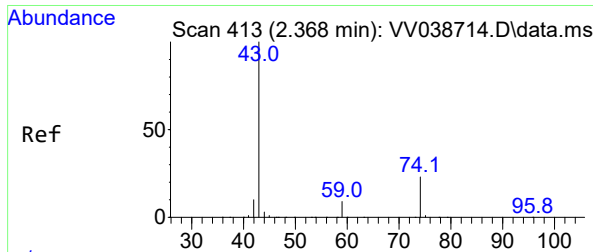


Submitted by: Mafresh Dabara 03/18/2025
Reviewed by: John Carone 03/18/2025

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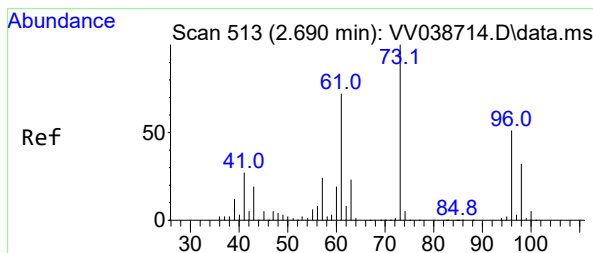
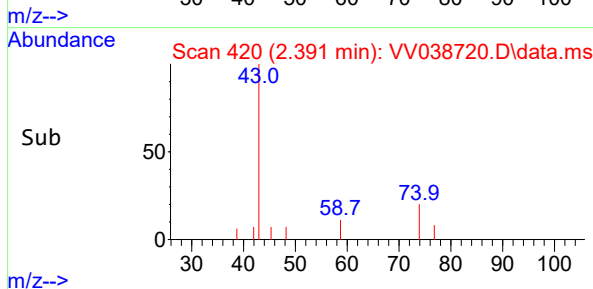
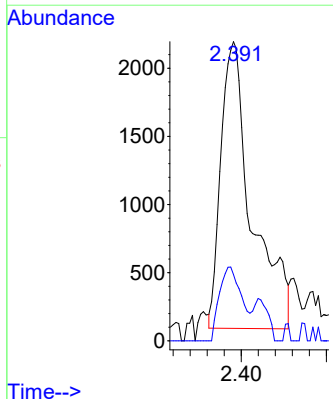
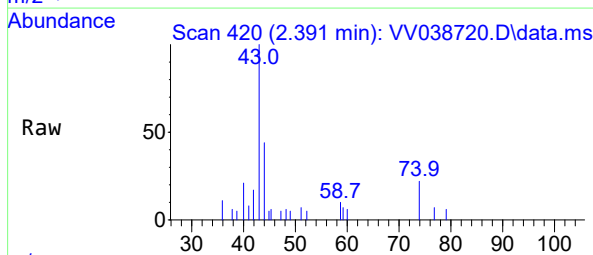
MDT-MATEB-011-5052-01
Client Sample ID:
MS/MS
Instrument:





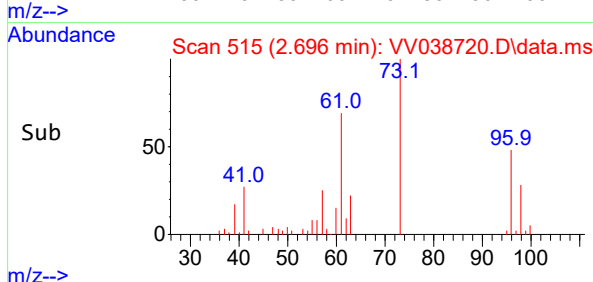
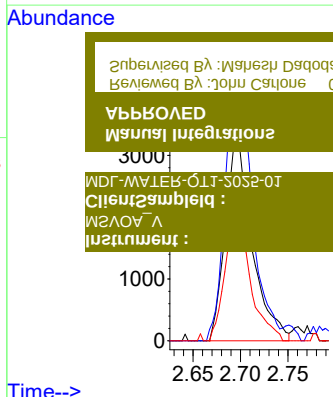
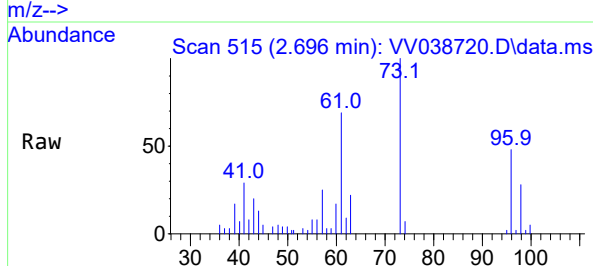
#15
Methyl Acetate
Concen: 2.03 ug/L m
RT: 2.391 min Scan# 420
Delta R.T. 0.023 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion: 43 Resp: 5306
Ion Ratio Lower Upper
43 100
74 18.5 20.6 31.0#



#17
trans-1,2-Dichloroethene
Concen: 2.20 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.007 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

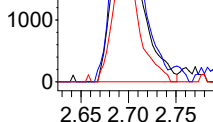
Tgt Ion: 96 Resp: 6371
Ion Ratio Lower Upper
96 100
61 143.6 95.7 177.7
98 58.5 46.4 86.2

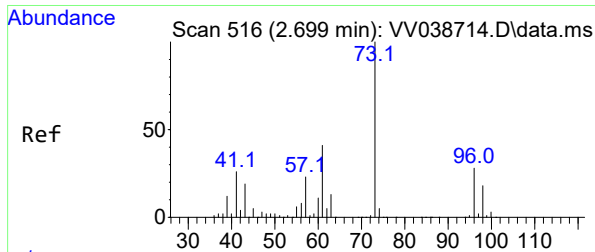


Submitted by: Mawar Dargah 03/11/2022
Reviewed by: John C. Jones 03/11/2022

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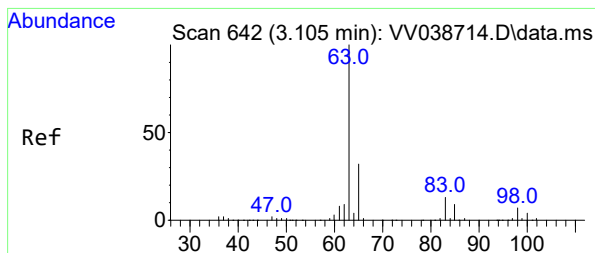
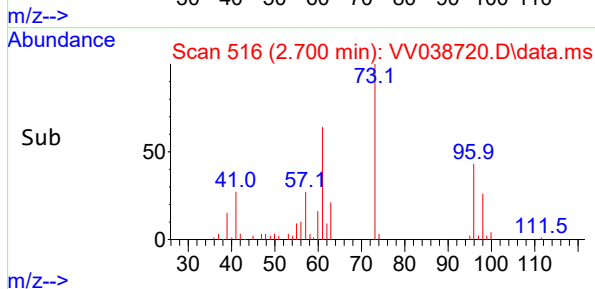
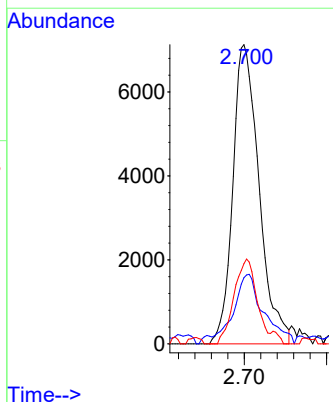
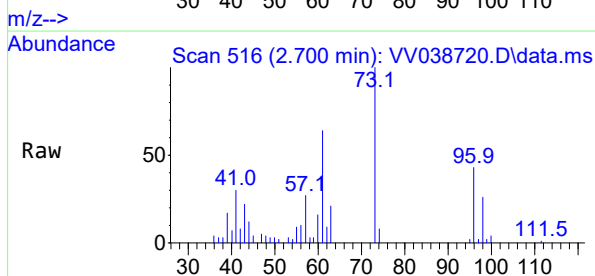
MDT-MATEB-011-2022-01
Client Sample:
MS/MS
Instrument:





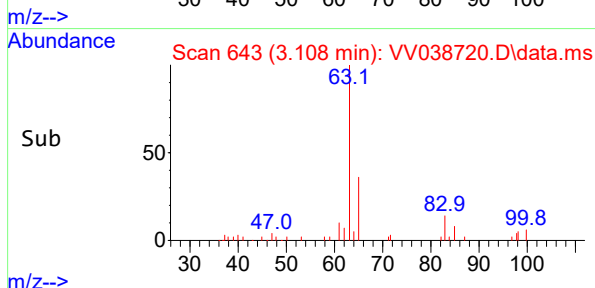
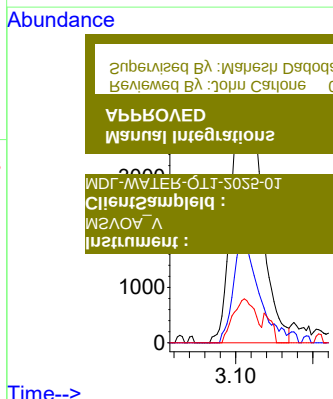
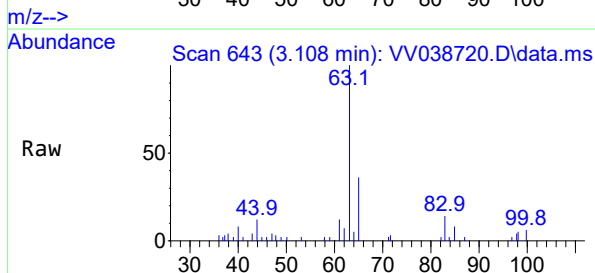
#18
Methyl tert-butyl Ether
Concen: 1.94 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion: 73 Resp: 15764
Ion Ratio Lower Upper
73 100
43 26.5 14.7 22.1#
57 24.6 17.7 26.5



#19
1,1-Dichloroethane
Concen: 2.19 ug/L
RT: 3.108 min Scan# 643
Delta R.T. 0.003 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

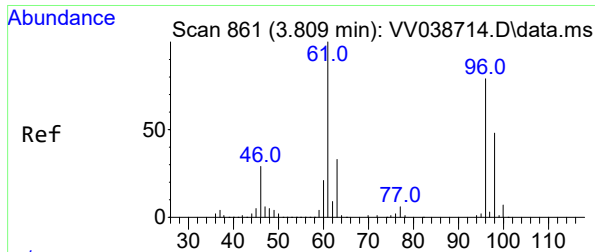
Tgt Ion: 63 Resp: 13327
Ion Ratio Lower Upper
63 100
65 36.2 22.6 42.0
83 14.1 9.8 18.2



Substrate: Methyl tert-butyl Ether
Reference: Methyl tert-butyl Ether

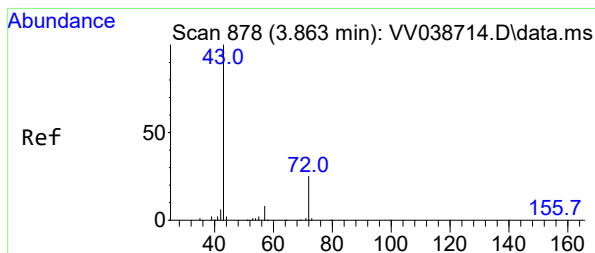
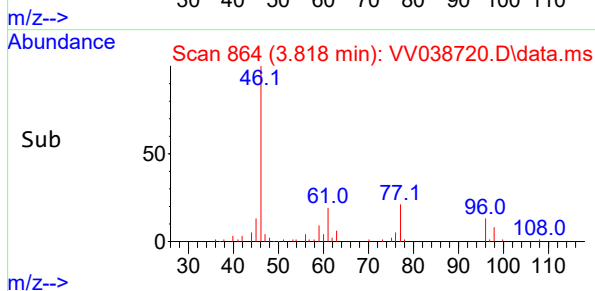
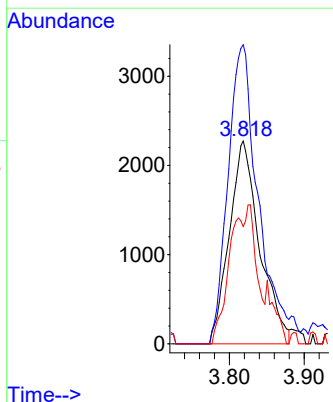
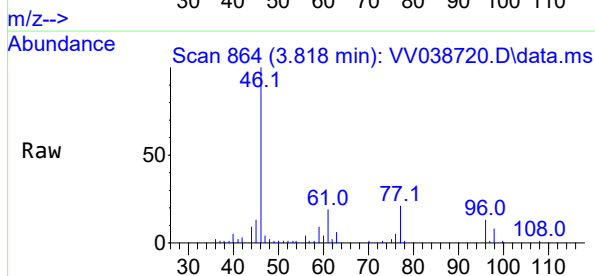
APPROVED
Manual Integrations

MDT-MVLEB-011-S052-01
Client Sample:
MS/MS
Instrument:



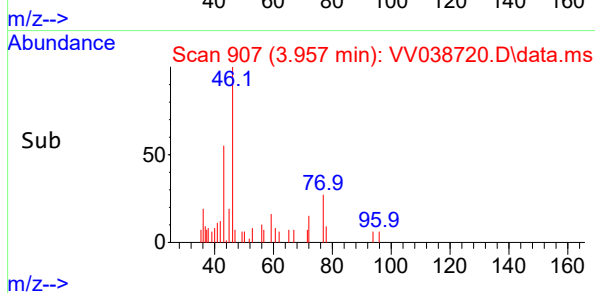
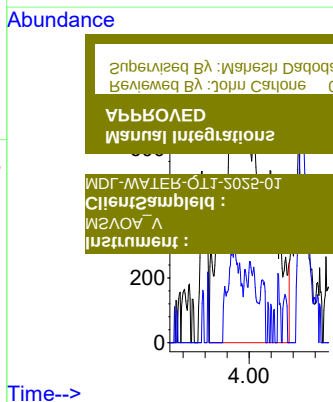
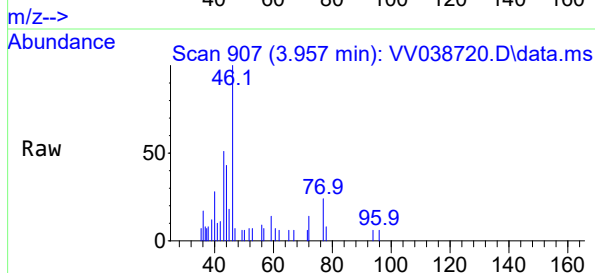
#20
cis-1,2-Dichloroethene
Concen: 2.02 ug/L
RT: 3.818 min Scan# 864
Delta R.T. 0.010 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion: 96 Resp: 6410
Ion Ratio Lower Upper
96 100
61 147.4 83.5 155.1
98 57.7 44.6 82.8



#22
2-Butanone
Concen: 7.00 ug/L m
RT: 3.957 min Scan# 907
Delta R.T. 0.093 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

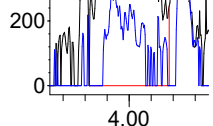
Tgt Ion: 43 Resp: 10756
Ion Ratio Lower Upper
43 100
72 0.6 12.5 37.5#

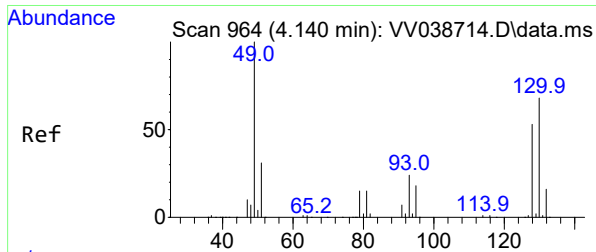


Submitted by: Mafresh Dabara 03/18/2025
Reviewed by: John Catione 03/18/2025

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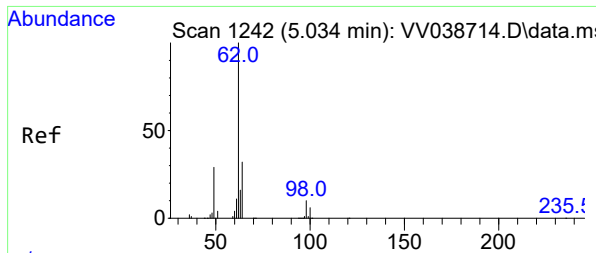
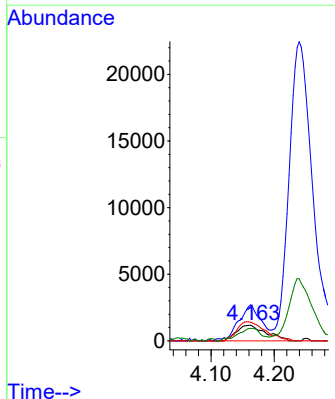
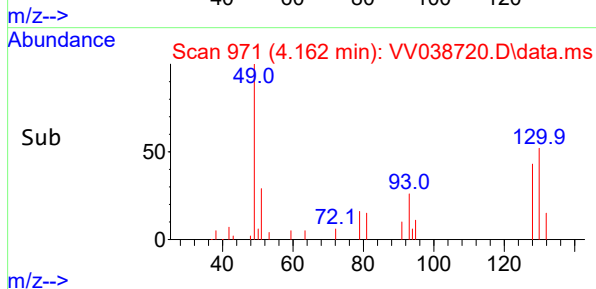
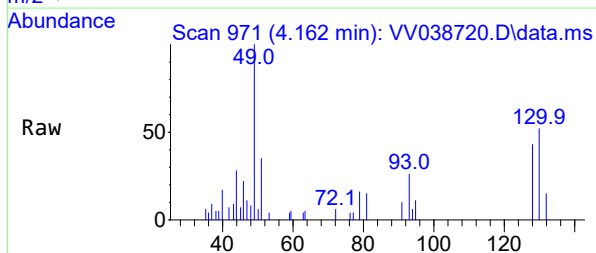
MDT-MATEB-01T-S052-01
Client Sample ID:
MS/MS
Instrument:





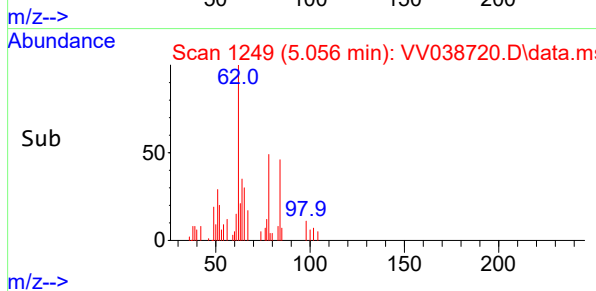
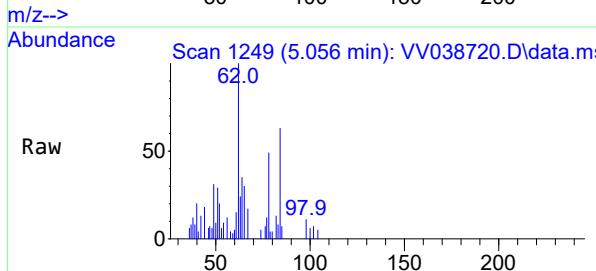
#23
Bromochloromethane
Concen: 2.24 ug/L m
RT: 4.162 min Scan# 971
Delta R.T. 0.023 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion: 128 Resp: 3802
Ion Ratio Lower Upper
128 100
49 230.0 106.7 198.3#
130 119.1 93.2 173.2
51 79.9 40.2 60.4#



#27
1,2-Dichloroethane
Concen: 2.05 ug/L
RT: 5.056 min Scan# 1249
Delta R.T. 0.023 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

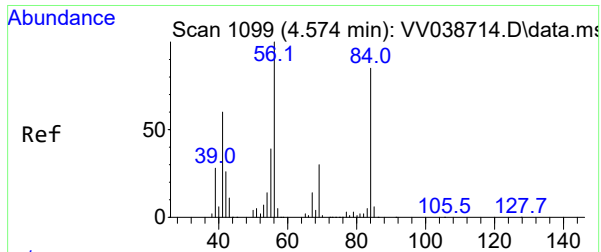
Tgt Ion: 62 Resp: 8975
Ion Ratio Lower Upper
62 100
98 11.1 7.5 11.3



Submitted by: Magesh Dargoda 03/18/2025
Reviewed by: John Cargone 03/18/2025

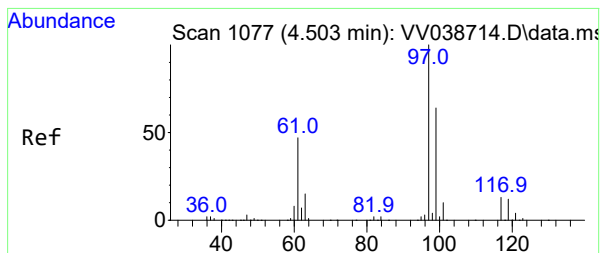
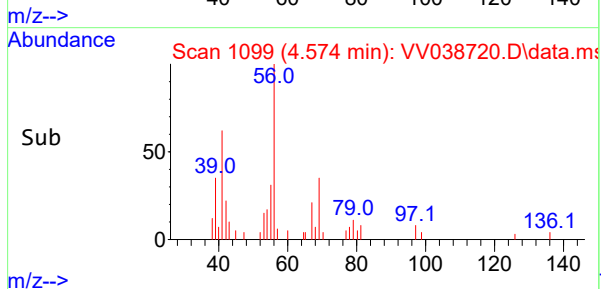
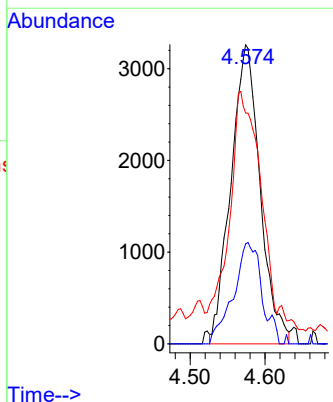
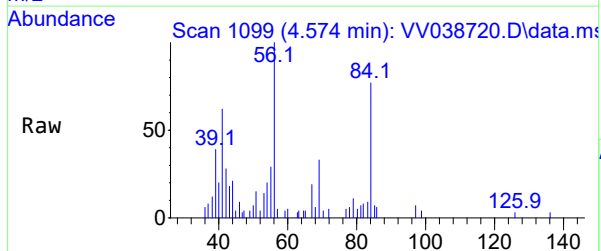
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Manual Integrations

MDT-MATEB-011-2025-01
Client Sample ID:
MS/MS
Instrument:



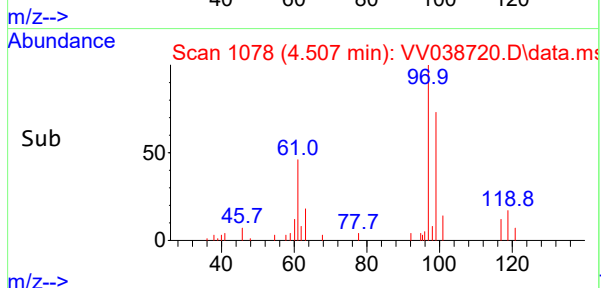
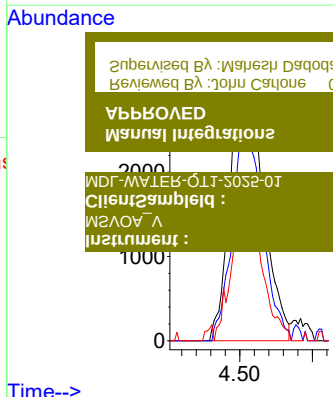
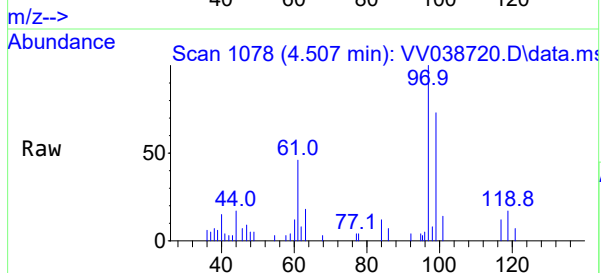
#29
Cyclohexane
Concen: 1.85 ug/L
RT: 4.574 min Scan# 1099
Delta R.T. 0.000 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion: 56 Resp: 8854
Ion Ratio Lower Upper
56 100
69 22.7 24.8 37.2#
84 75.8 73.7 110.5



#30
1,1,1-Trichloroethane
Concen: 2.12 ug/L
RT: 4.507 min Scan# 1078
Delta R.T. 0.003 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

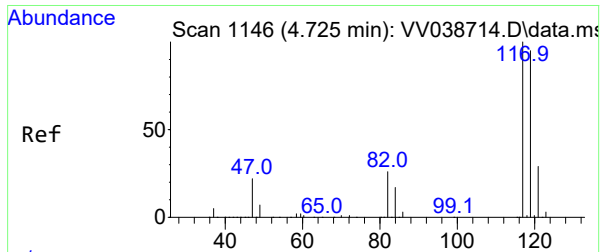
Tgt Ion: 97 Resp: 10575
Ion Ratio Lower Upper
97 100
99 69.1 52.3 78.5
61 14.2 33.6 50.4#



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

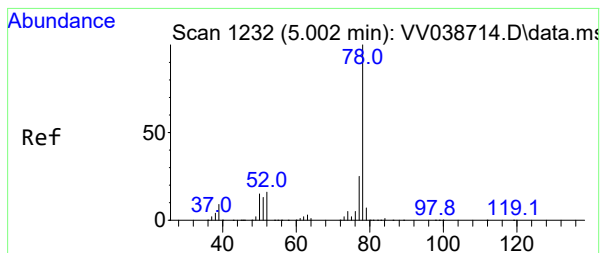
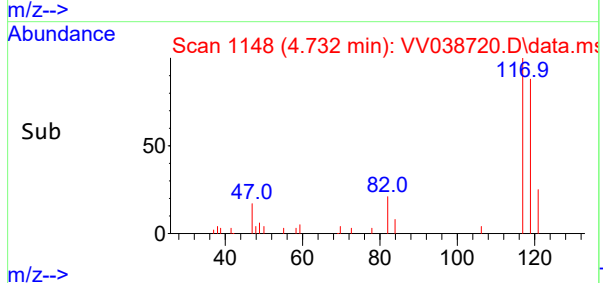
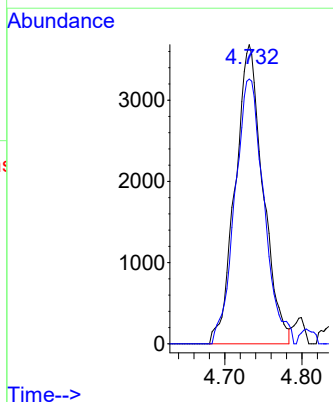
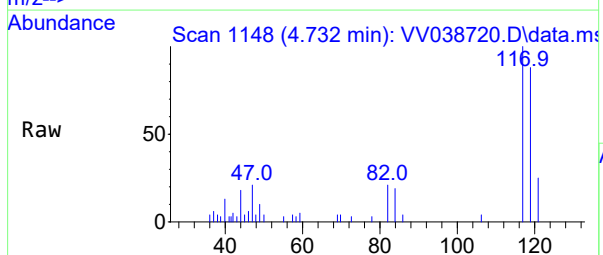
APPROVED
Manual Integrations

MDT-MATEB-011-2025-01
Client Sample:
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Instrument:



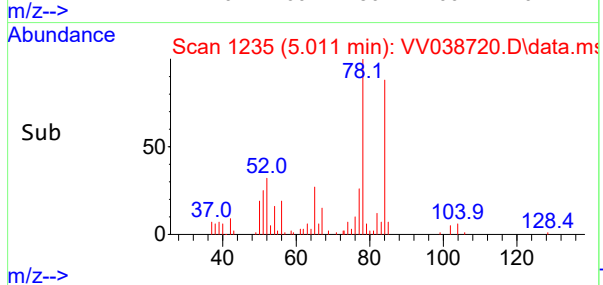
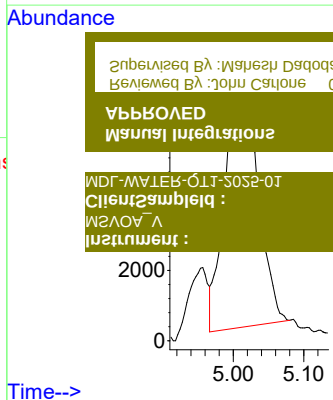
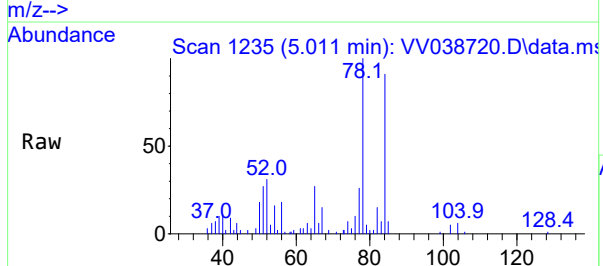
#31
Carbon tetrachloride
Concen: 2.15 ug/L
RT: 4.732 min Scan# 1148
Delta R.T. 0.007 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion: 117 Resp: 9216
Ion Ratio Lower Upper
117 100
119 90.8 77.7 116.5



#33
Benzene
Concen: 1.99 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.010 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

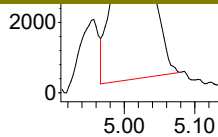
Tgt Ion: 78 Resp: 24640

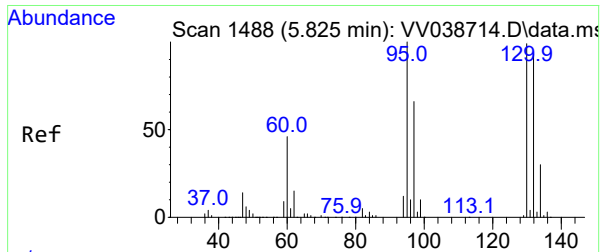


Submitted by: Magesh Dabodu 03/18/2025
Reviewed by: John Catione 03/18/2025

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Manual Integrations

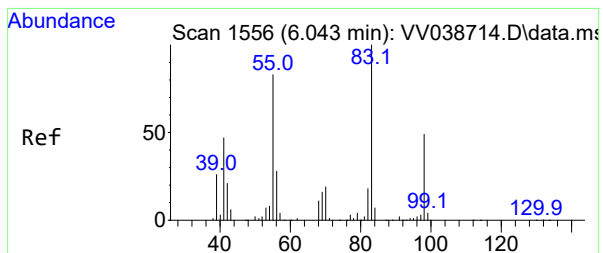
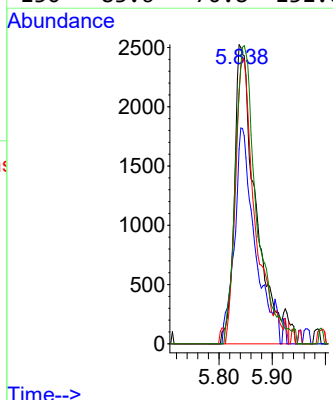
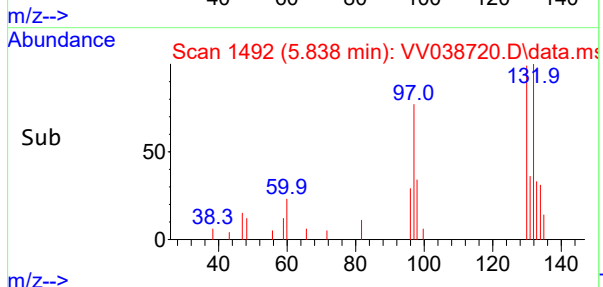
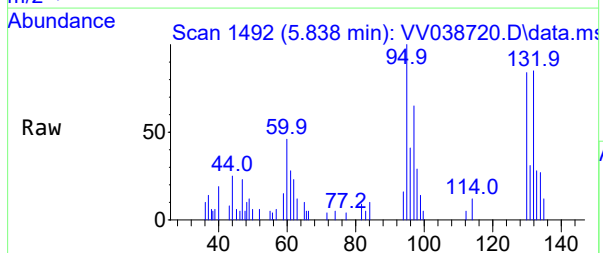
MDT-MATEB-011-5052-01
Client Sample ID:
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Instrument:





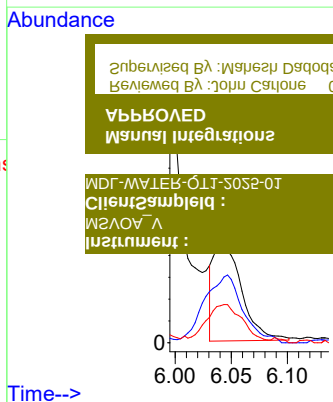
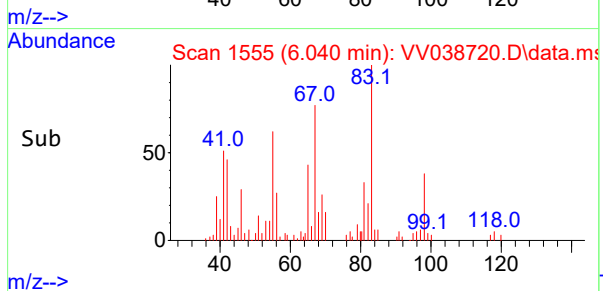
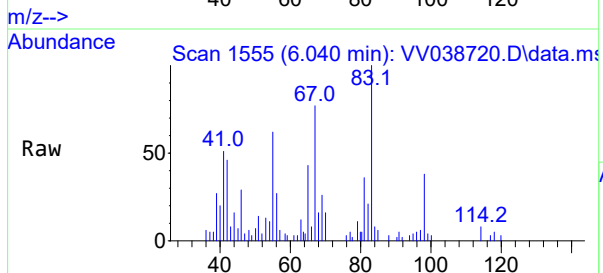
#34
Trichloroethene
Concen: 2.20 ug/L m
RT: 5.838 min Scan# 1492
Delta R.T. 0.013 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion:	95	Resp:	7008
Ion	Ratio	Lower	Upper
95	100		
97	65.1	45.6	84.8
132	84.6	67.6	125.6
130	83.6	70.8	131.6



#35
Methylcyclohexane
Concen: 1.66 ug/L
RT: 6.040 min Scan# 1555
Delta R.T. -0.003 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

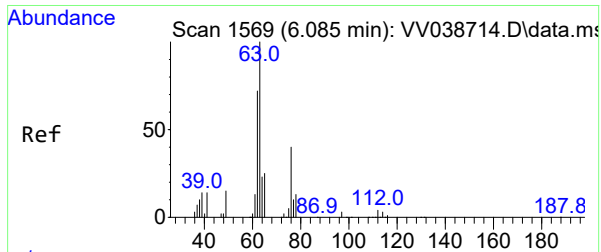
Tgt Ion:	83	Resp:	7760
Ion	Ratio	Lower	Upper
83	100		
55	86.2	59.0	88.6
98	46.1	39.5	59.3



Submitted by: Mafresh Daboda 03/18/2025
Reviewed by: John C. Jones 03/18/2025

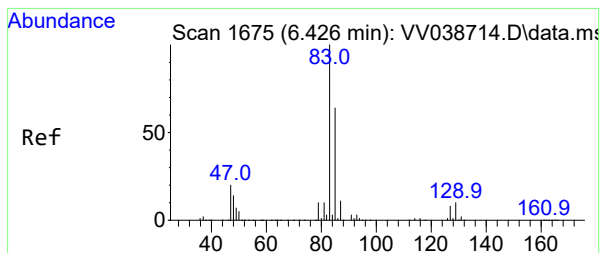
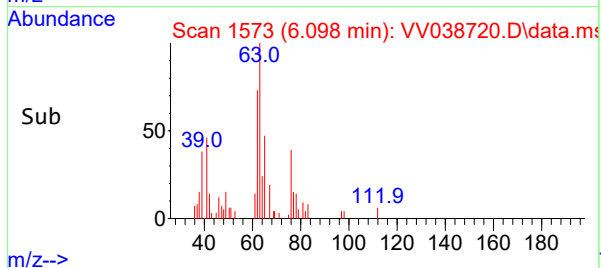
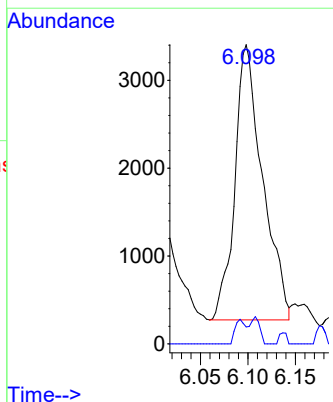
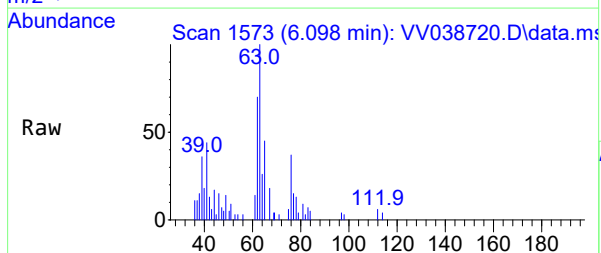
APPROVED
Manual Integrations

MDT-MATEB-011-5052-01
Client Sample ID :
MS/MS
Instrument :



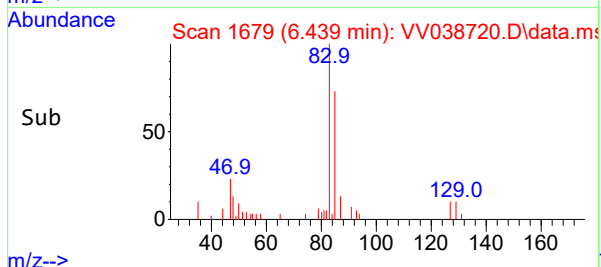
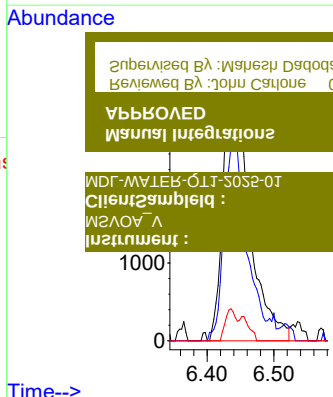
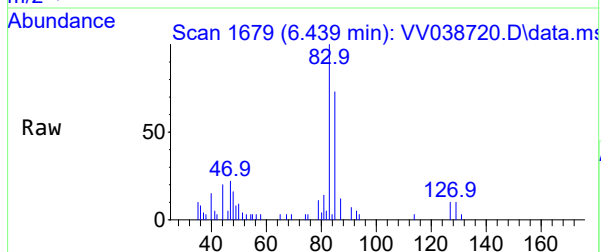
#37
1,2-Dichloropropane
Concen: 1.84 ug/L
RT: 6.098 min Scan# 1573
Delta R.T. 0.013 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion: 63 Resp: 6365
Ion Ratio Lower Upper
63 100
112 3.3 3.8 5.6#



#38
Bromodichloromethane
Concen: 2.13 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. 0.013 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

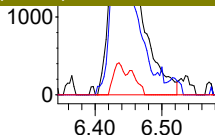
Tgt Ion: 83 Resp: 9697
Ion Ratio Lower Upper
83 100
85 72.6 44.9 83.5
127 9.6 6.8 10.2

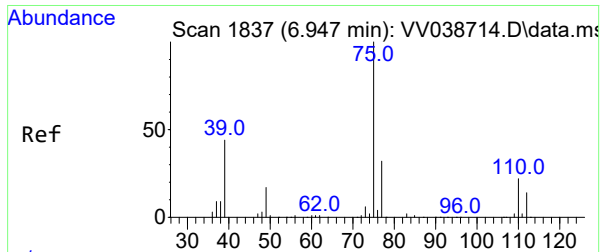


Submitted by: Magesh Dargoda 03/11/2022
Reviewed by: John Carone 03/11/2022

APPROVED
Manual Integrations

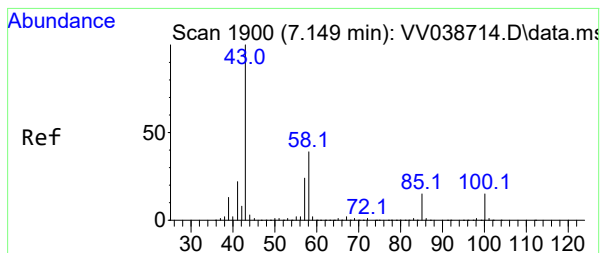
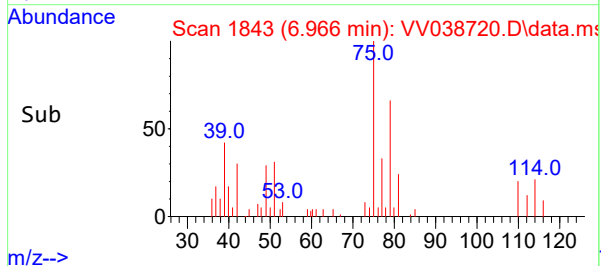
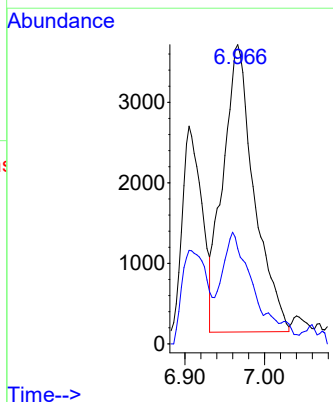
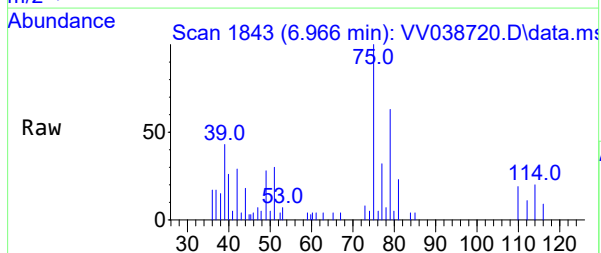
MDT-MATEB-011-2022-01
Client Sample ID:
MS/MS
Instrument:





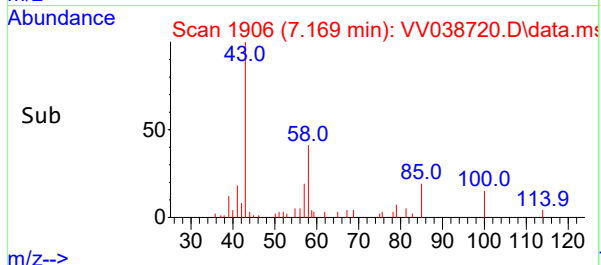
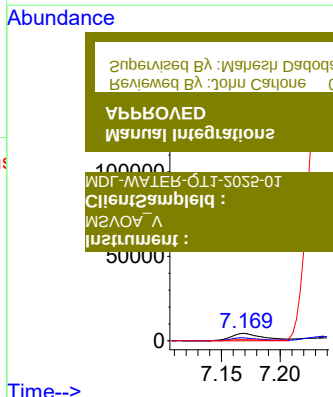
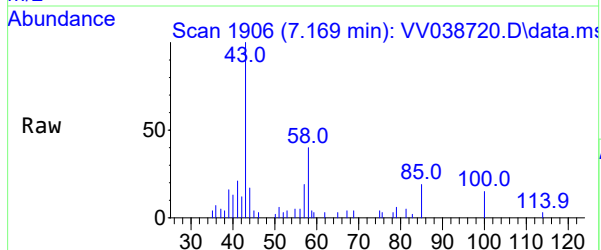
#39
cis-1,3-Dichloropropene
Concen: 1.97 ug/L
RT: 6.966 min Scan# 1843
Delta R.T. 0.019 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion: 75 Resp: 9712
Ion Ratio Lower Upper
75 100
77 31.8 21.9 40.7



#40
4-Methyl-2-pentanone
Concen: 2.75 ug/L
RT: 7.169 min Scan# 1906
Delta R.T. 0.019 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

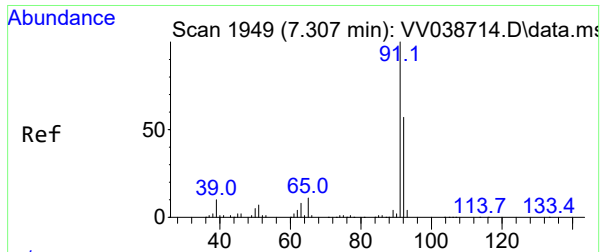
Tgt Ion: 43 Resp: 8435
Ion Ratio Lower Upper
43 100
58 34.9 32.7 49.1
100 13.3 13.7 20.5#



Substrate: 4-Methyl-2-pentanone
Reference: 4-Methyl-2-pentanone

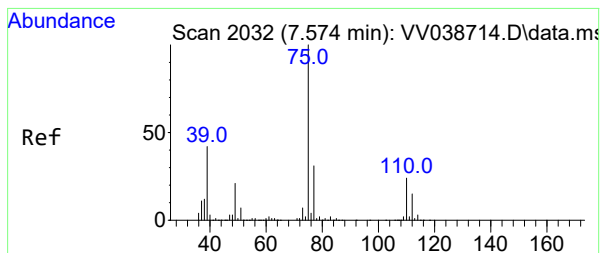
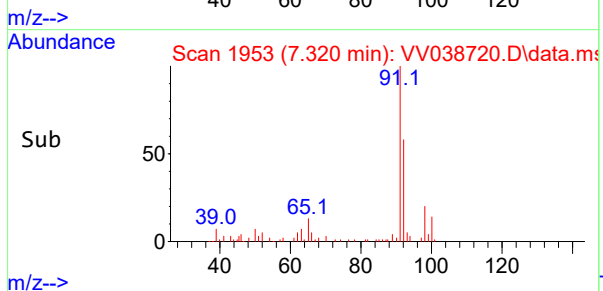
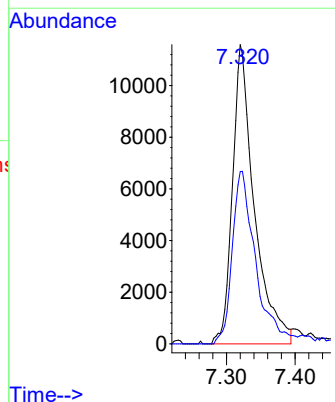
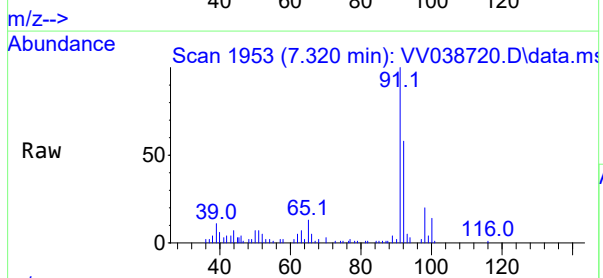
APPROVED
Manual integrations

100000
50000
0
7.15 7.20



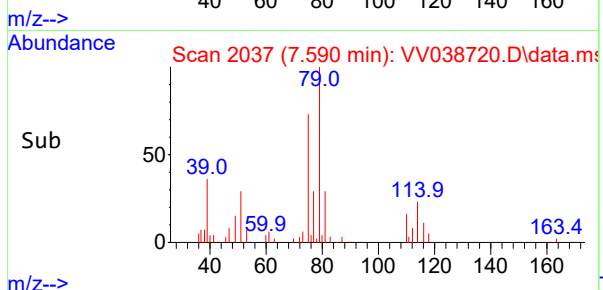
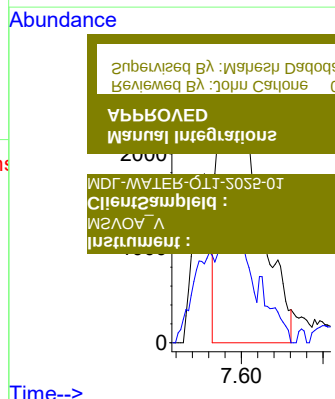
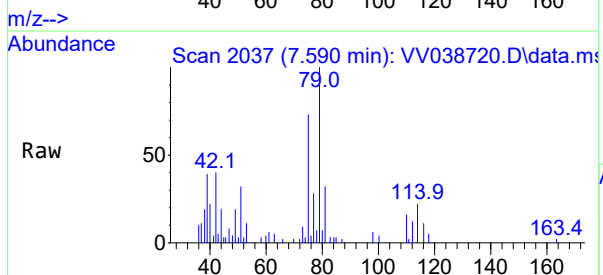
#42
Toluene
Concen: 2.02 ug/L
RT: 7.320 min Scan# 1953
Delta R.T. 0.013 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion: 91 Resp: 25575
Ion Ratio Lower Upper
91 100
92 57.6 41.2 76.4



#44
trans-1,3-Dichloropropene
Concen: 2.15 ug/L m
RT: 7.590 min Scan# 2037
Delta R.T. 0.016 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion: 75 Resp: 10069
Ion Ratio Lower Upper
75 100
77 38.8 22.7 42.1



Submitted by: Mawar Dauda 03/11/2022
Reviewed by: John Chong 03/11/2022

APPROVED

Manual integrations

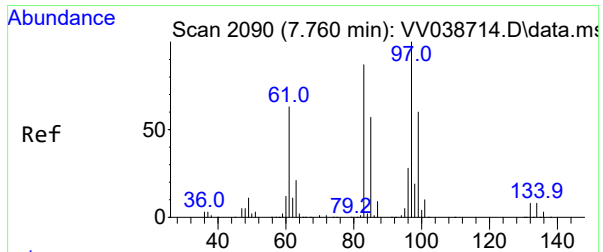
2000

MDT-MATEB-011-2022-01

Client Sample ID:

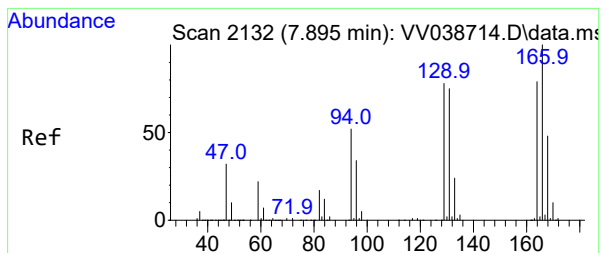
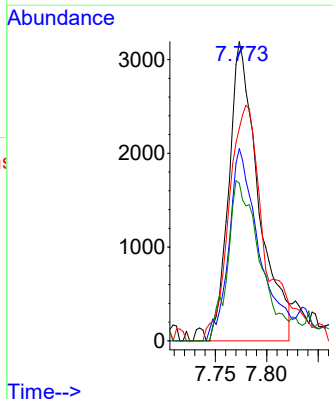
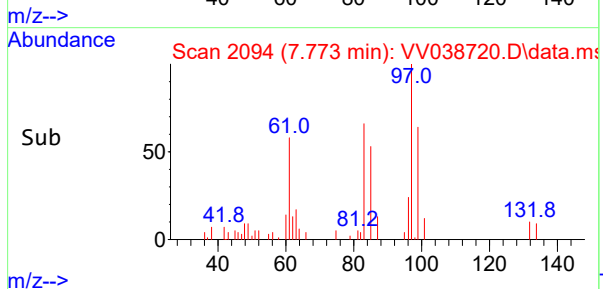
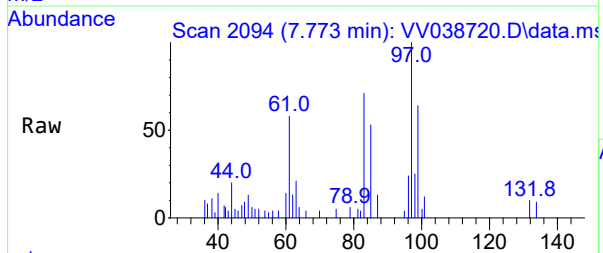
MS/MS

Instrument:



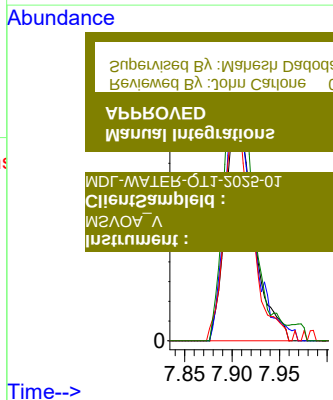
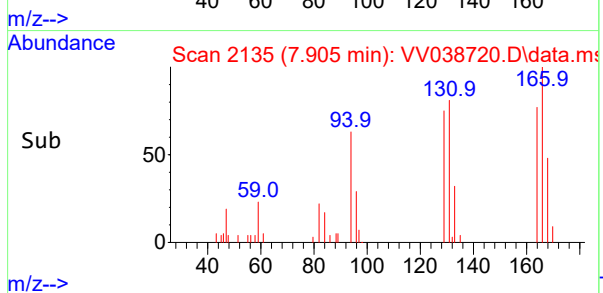
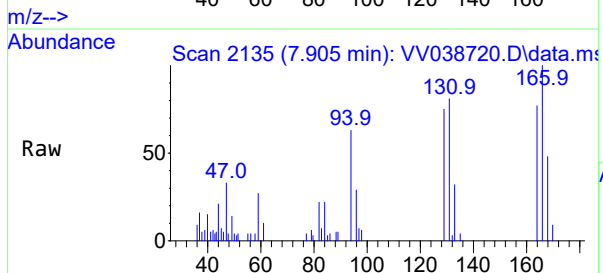
#45
1,1,2-Trichloroethane
Concen: 1.95 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.013 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion:	97	Resp:	6359
Ion	Ratio	Lower	Upper
97	100		
99	64.2	43.6	81.0
83	71.1	60.5	112.5
85	52.7	38.0	70.6



#46
Tetrachloroethene
Concen: 2.10 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.010 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

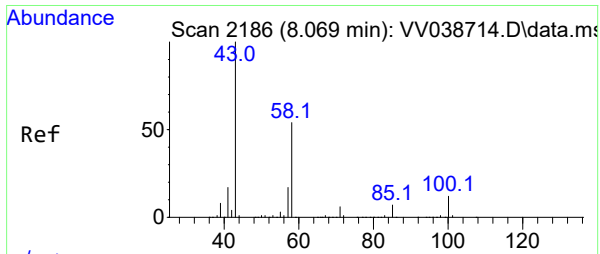
Tgt Ion:	164	Resp:	4756
Ion	Ratio	Lower	Upper
164	100		
129	97.4	69.2	128.4
131	105.1	63.1	117.3
166	130.5	89.7	166.5



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

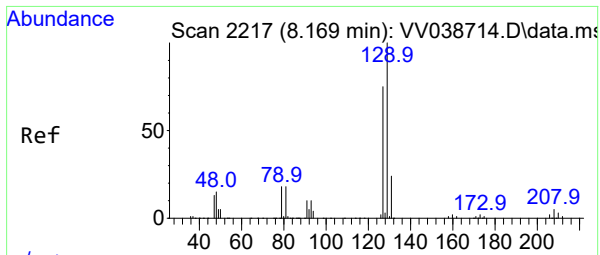
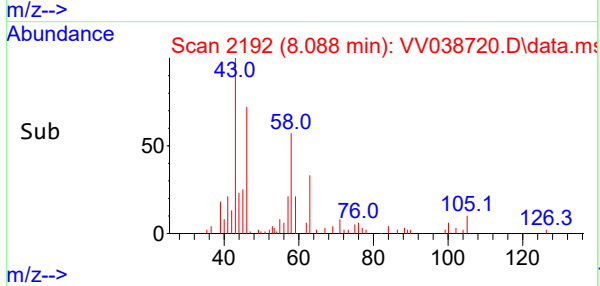
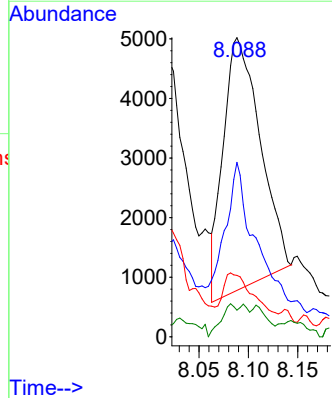
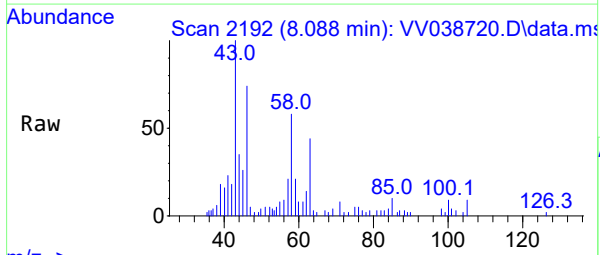
APPROVED
Manual Integrations

MDT-MATEB-011-5052-01
Client Sample ID:
MS/MS
Instrument:



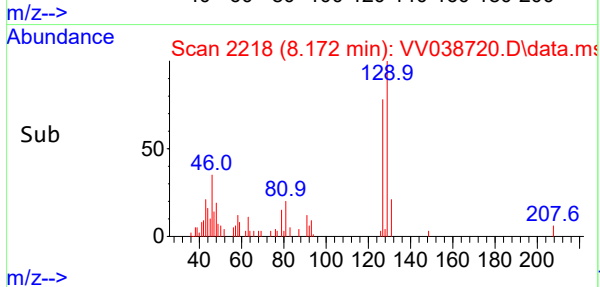
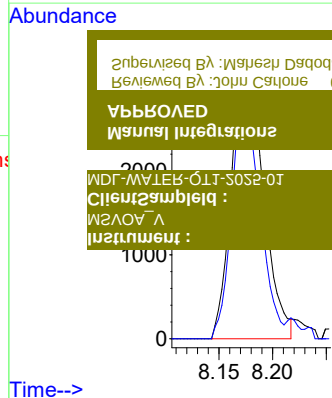
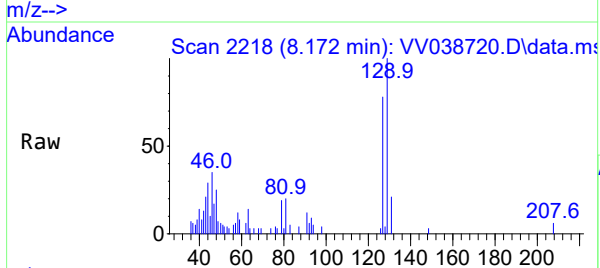
#48
2-Hexanone
Concen: 5.19 ug/L
RT: 8.088 min Scan# 2192
Delta R.T. 0.019 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion:	43	Resp:	11024
Ion Ratio	Lower	Upper	
43	100		
58	49.4	48.0	72.0
57	11.9	15.5	23.3#
100	5.5	11.0	16.4#



#49
Dibromochloromethane
Concen: 2.16 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.003 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

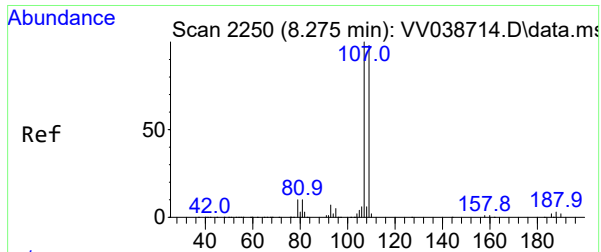
Tgt Ion:	129	Resp:	7020
Ion Ratio	Lower	Upper	
129	100		
127	77.6	53.8	100.0



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

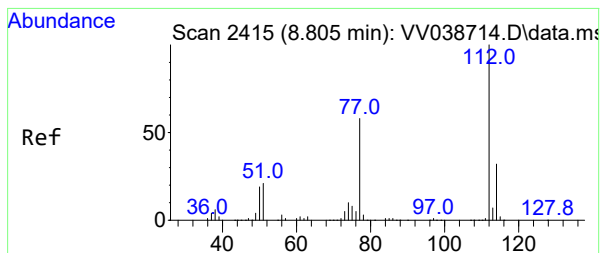
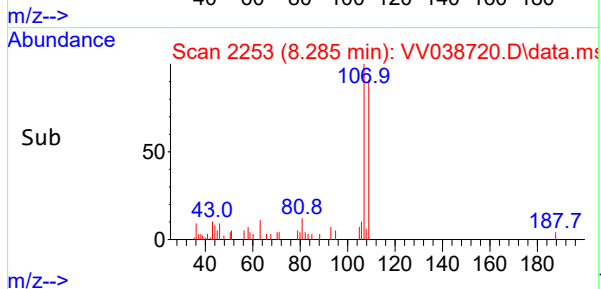
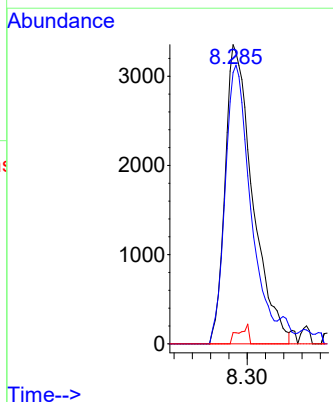
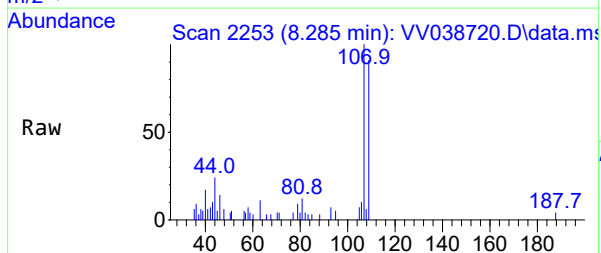
APPROVED
Manual Integrations

MDT-MATEB-011-2025-01
Client Sample:
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Instrument:



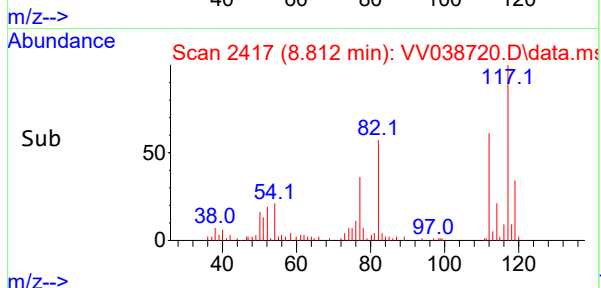
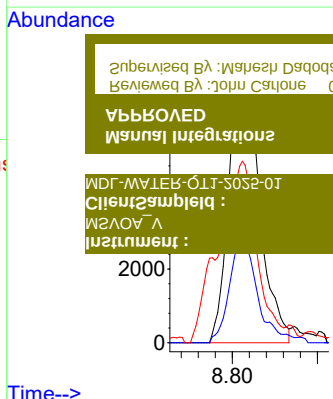
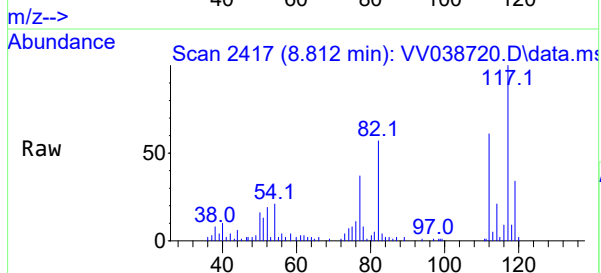
#50
1,2-Dibromoethane
Concen: 2.22 ug/L
RT: 8.285 min Scan# 2253
Delta R.T. 0.010 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion:107 Resp: 7027
Ion Ratio Lower Upper
107 100
109 90.7 66.1 122.7
188 3.8 2.6 3.8



#51
Chlorobenzene
Concen: 2.20 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.007 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

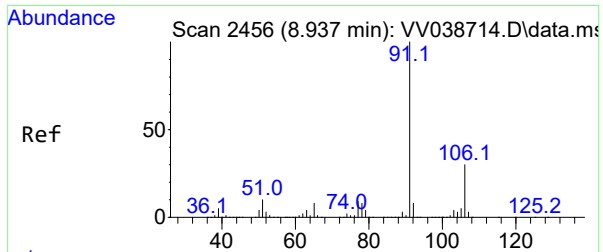
Tgt Ion:112 Resp: 18997
Ion Ratio Lower Upper
112 100
114 34.8 21.9 40.7
77 60.7 45.4 68.0



Submitted by: Magesh Dabodu 03/11/2022
Reviewed by: John Catione 03/11/2022

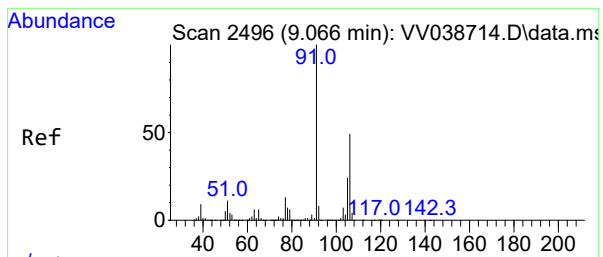
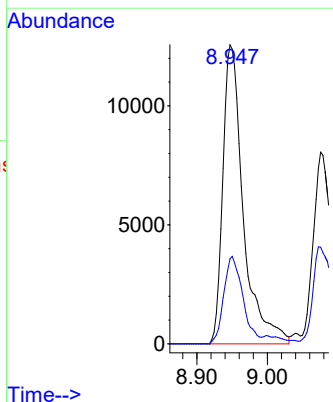
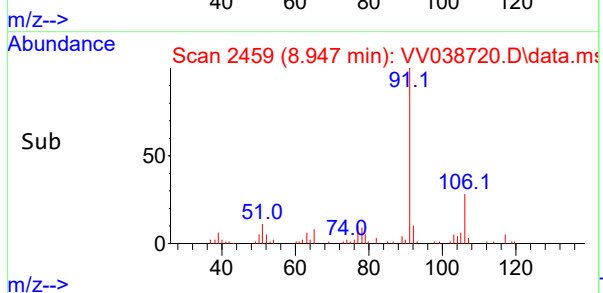
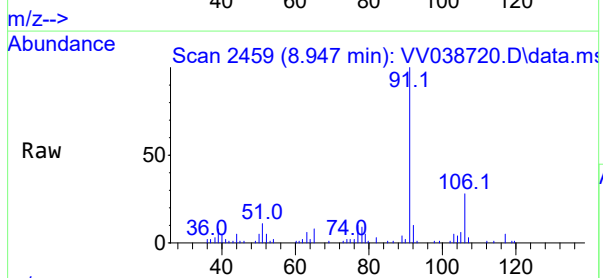
APPROVED
Manual integrations

MDT-MATEB-011-2022-01
Client Sample ID:
MS/MS
Instrument:



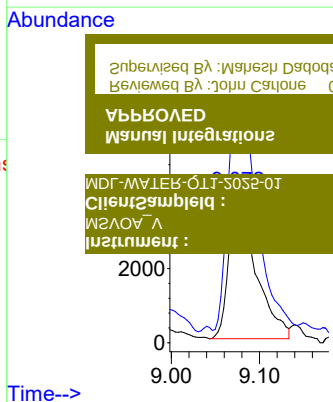
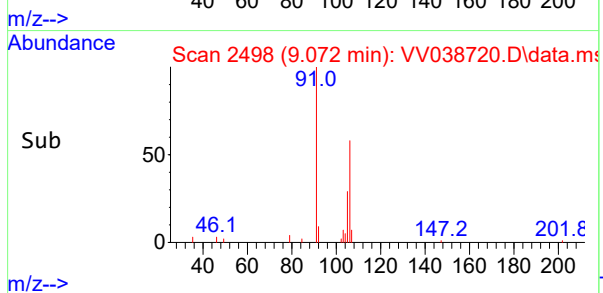
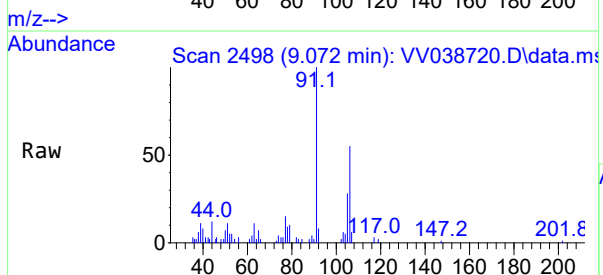
#52
Ethylbenzene
Concen: 1.81 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.010 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion: 91 Resp: 25331
Ion Ratio Lower Upper
91 100
106 28.4 21.6 40.0



#53
m,p-Xylene
Concen: 1.68 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.007 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

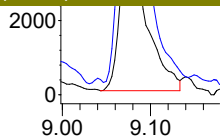
Tgt Ion: 106 Resp: 8491
Ion Ratio Lower Upper
106 100
91 180.8 142.6 264.8

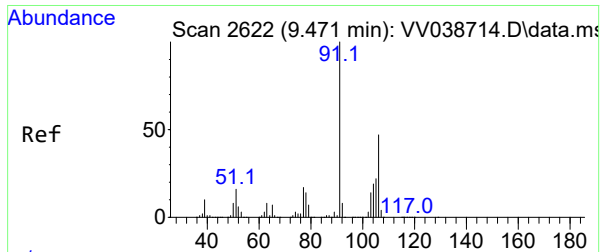


Submitted by: Mafresh Dabodga 03/17/2025
Reviewed by: John Catione 03/17/2025

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Manual Integrations

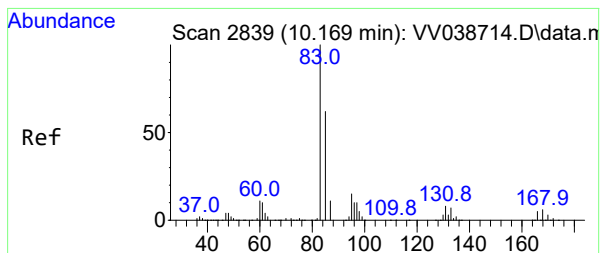
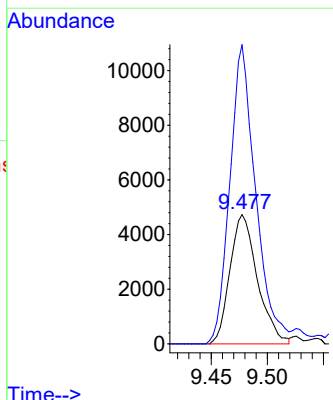
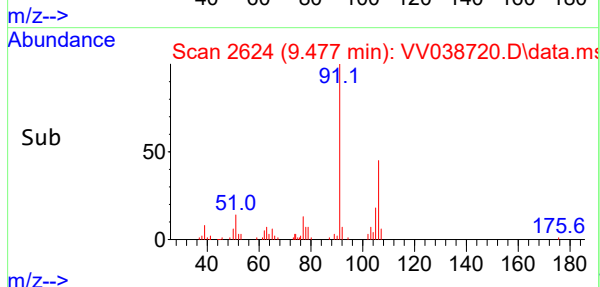
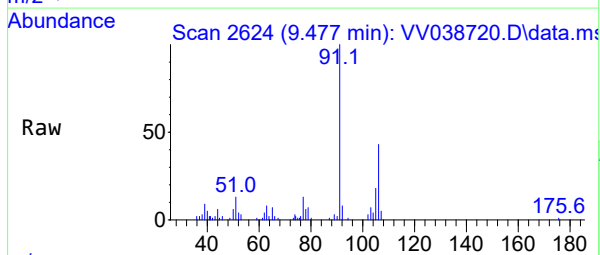
MDT-MATEB-01T-S052-01
Client Sample ID:
MS/MS
Instrument:





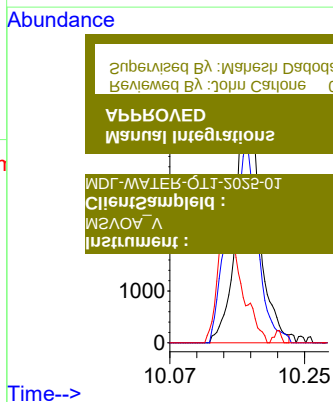
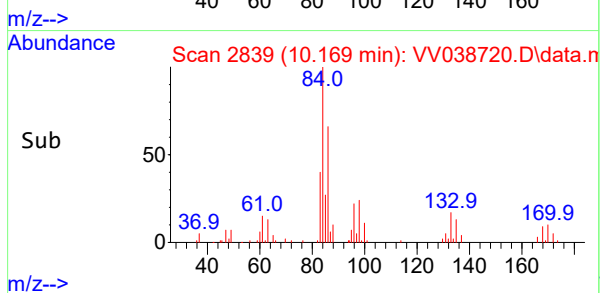
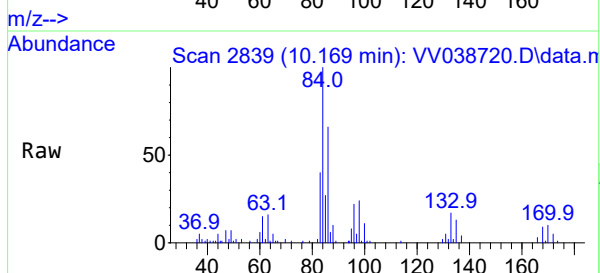
#54
o-Xylene
Concen: 1.64 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.007 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion: 106 Resp: 8065
Ion Ratio Lower Upper
106 100
91 231.4 151.1 280.7



#57
1,1,2,2-Tetrachloroethane
Concen: 2.32 ug/L
RT: 10.169 min Scan# 2839
Delta R.T. 0.000 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

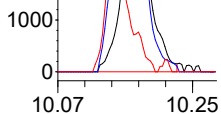
Tgt Ion: 83 Resp: 11260
Ion Ratio Lower Upper
83 100
85 66.8 44.7 82.9
131 12.4 8.0 12.0#

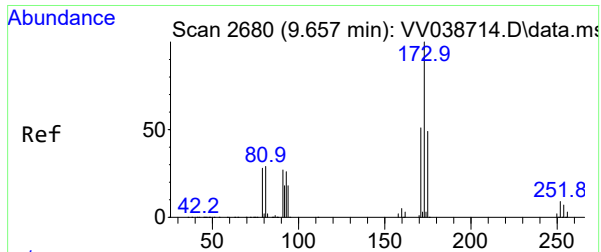


Submitted by: Mafresh Dabara 03/18/2025
Reviewed by: John Catione 03/18/2025

APPROVED
Manual Integrations

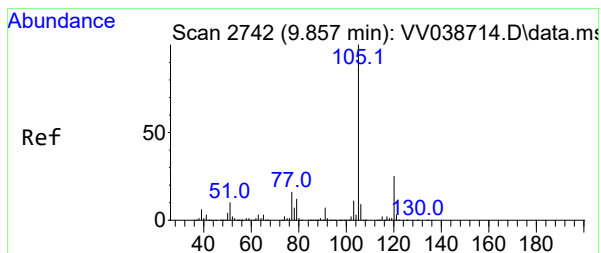
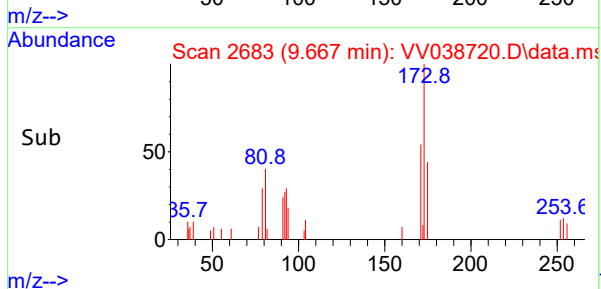
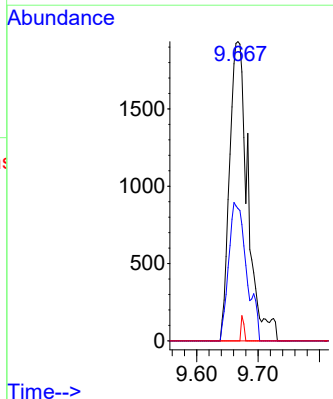
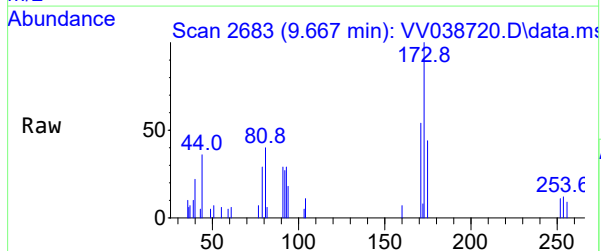
MDT-MATEB-011-5052-01
Client Sample ID:
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Instrument:





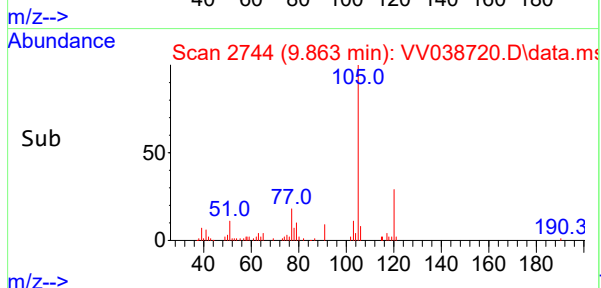
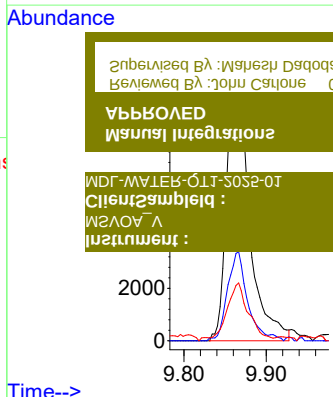
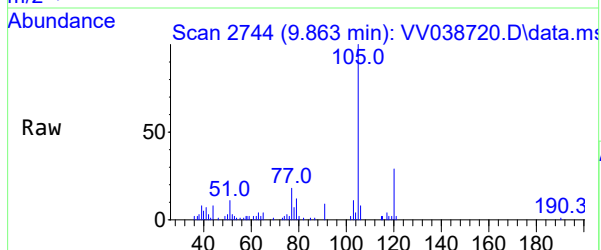
#59
Bromoform
Concen: 2.60 ug/L m
RT: 9.667 min Scan# 2683
Delta R.T. 0.010 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion:	173	Resp:	4004
Ion Ratio	Lower	Upper	
173	100		
175	40.6	38.8	58.2
254	0.0	6.9	10.3#



#60
Isopropylbenzene
Concen: 1.94 ug/L
RT: 9.863 min Scan# 2744
Delta R.T. 0.007 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

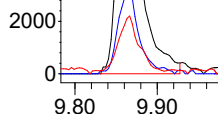
Tgt Ion:	105	Resp:	20287
Ion Ratio	Lower	Upper	
105	100		
120	27.4	21.0	31.4
77	18.9	12.2	18.4#

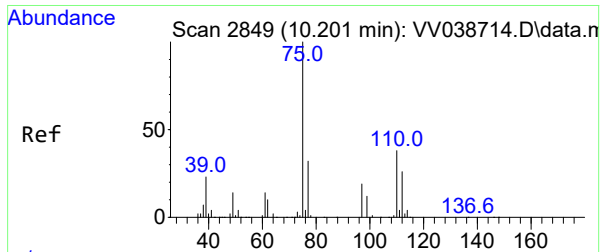


Submitted by: Marybeth DeBorja 03/18/2025
Reviewed by: John C. Jones 03/18/2025

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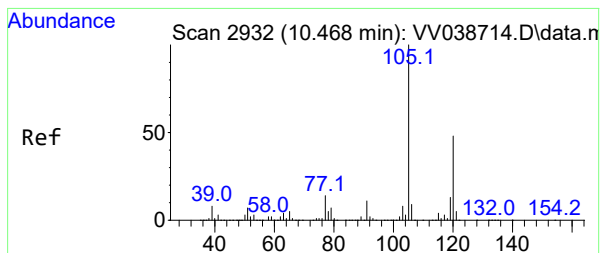
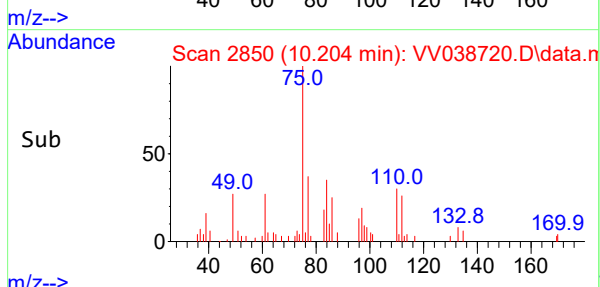
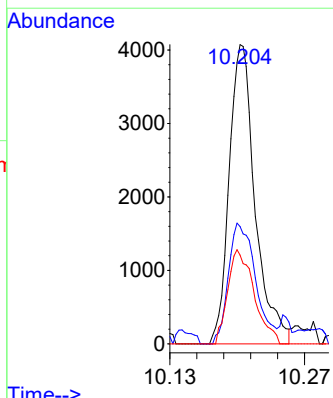
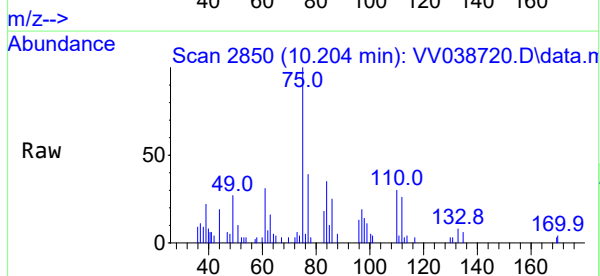
MDT-MATEB-011-5052-01
Client Sample ID:
MS/MS
Instrument:





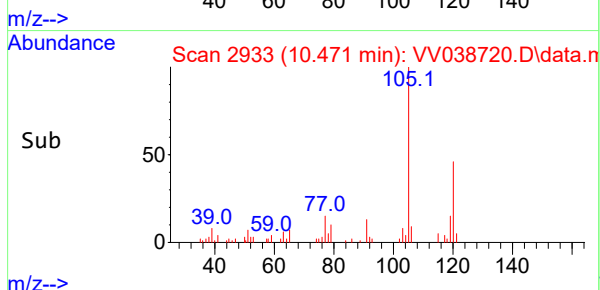
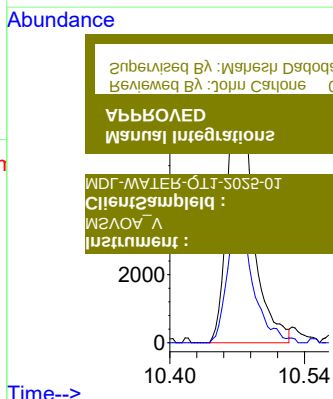
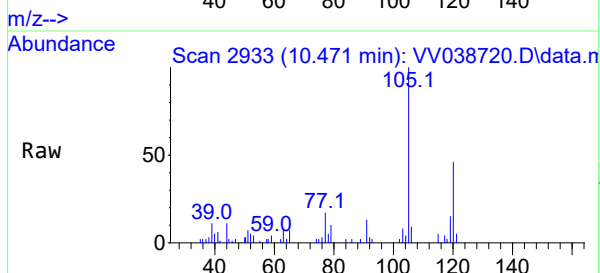
#61
1,2,3-Trichloropropane
Concen: 2.79 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. 0.003 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion: 75 Resp: 7717
Ion Ratio Lower Upper
75 100
77 42.4 25.8 38.6#
110 32.1 32.2 48.4#



#62
1,3,5-Trimethylbenzene
Concen: 1.88 ug/L
RT: 10.471 min Scan# 2933
Delta R.T. 0.003 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

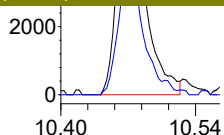
Tgt Ion: 105 Resp: 15167
Ion Ratio Lower Upper
105 100
120 45.6 39.1 58.7

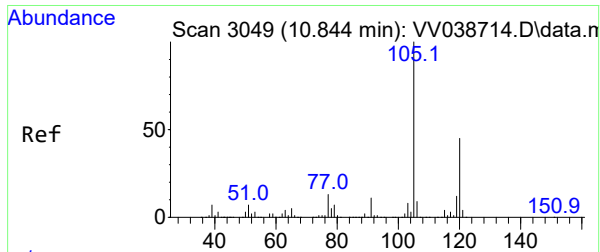


Submitted by: Marybeth DeBord 03/18/2025
Reviewed by: John C. Jones 03/18/2025

APPROVED
Manual Integrations

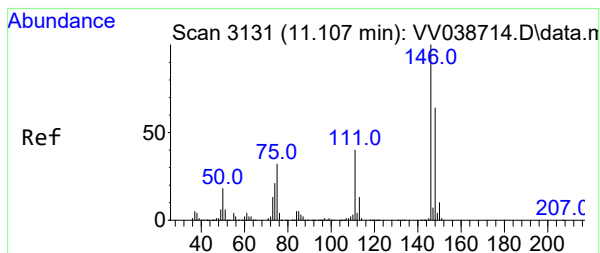
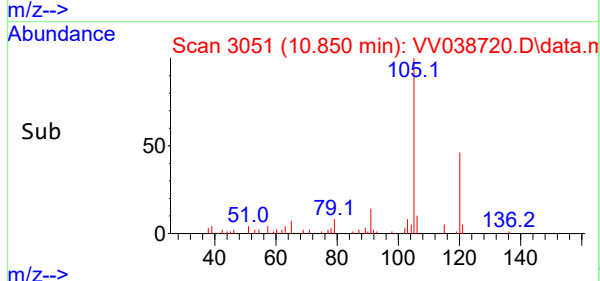
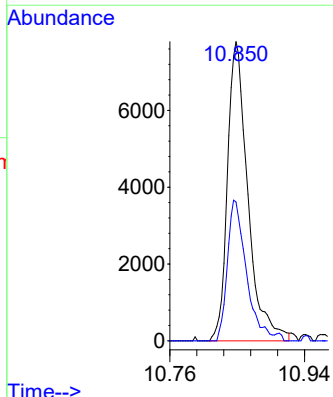
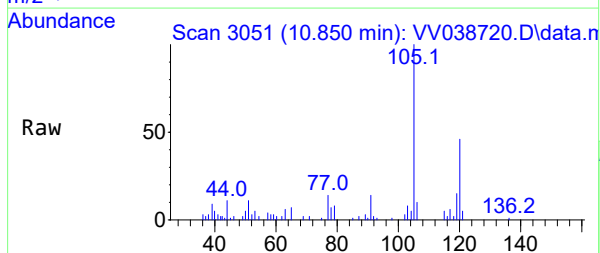
MDT-MATEB-011-5052-01
Client Sample ID:
MS/MS
Instrument:





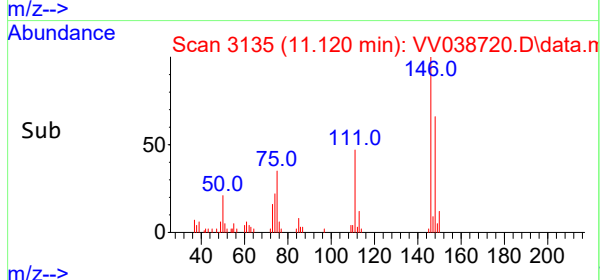
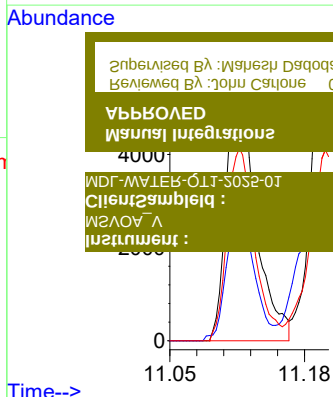
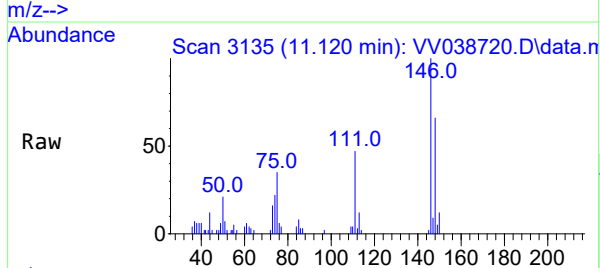
#63
1,2,4-Trimethylbenzene
Concen: 1.80 ug/L
RT: 10.850 min Scan# 3051
Delta R.T. 0.007 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion:105 Resp: 14738
Ion Ratio Lower Upper
105 100
120 42.1 36.6 55.0



#64
1,3-Dichlorobenzene
Concen: 2.24 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.013 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

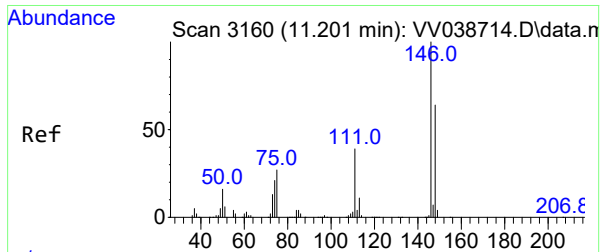
Tgt Ion:146 Resp: 11310
Ion Ratio Lower Upper
146 100
111 46.5 27.8 51.6
148 65.7 45.1 83.7



Submitted by: Mawar Dargah 03/11/2022
Reviewed by: John Carlowe 03/11/2022

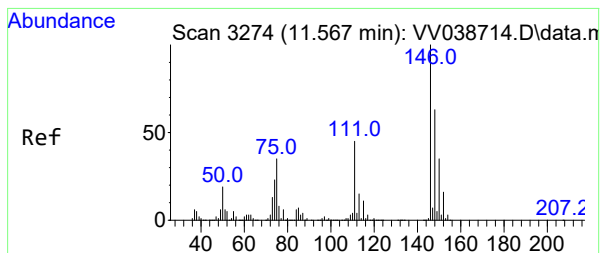
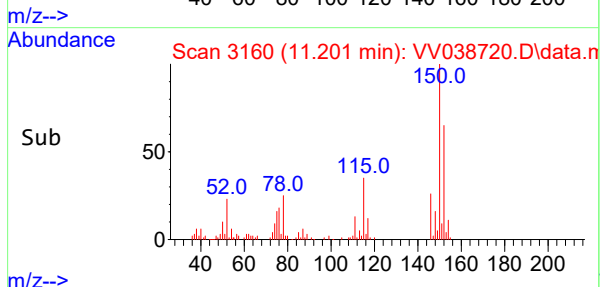
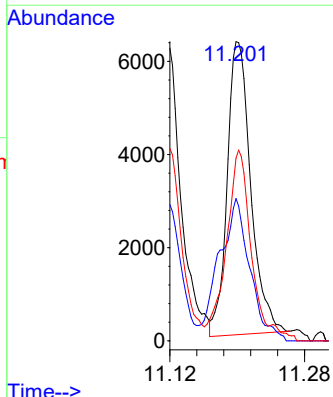
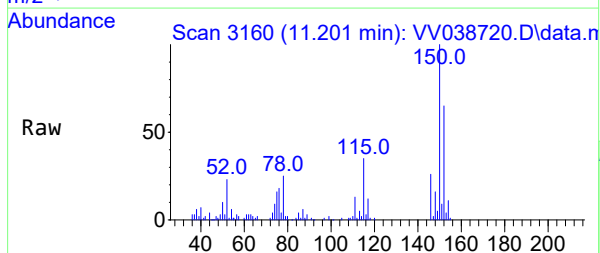
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Manual integrations

MDT-MATEB-011-2022-01
Client Sample:
M2A07A
Instrument:



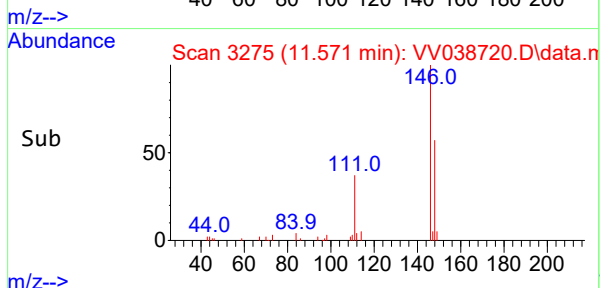
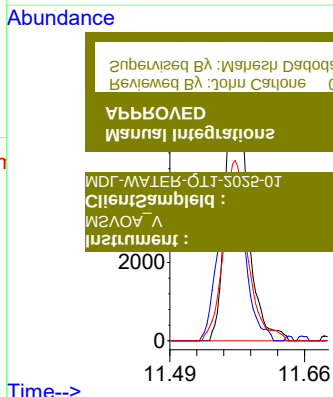
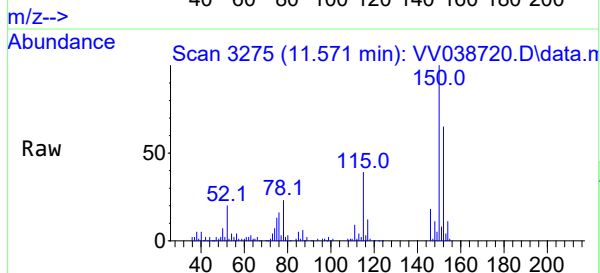
#65
1,4-Dichlorobenzene
Concen: 2.31 ug/L
RT: 11.201 min Scan# 3160
Delta R.T. 0.000 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion:	146	Resp:	12523
Ion	Ratio	Lower	Upper
146	100		
111	47.6	27.6	51.4
148	61.0	44.9	83.3



#67
1,2-Dichlorobenzene
Concen: 2.71 ug/L
RT: 11.571 min Scan# 3275
Delta R.T. 0.003 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

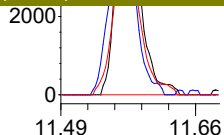
Tgt Ion:	146	Resp:	13903
Ion	Ratio	Lower	Upper
146	100		
111	47.3	34.2	51.2
148	60.3	50.5	75.7

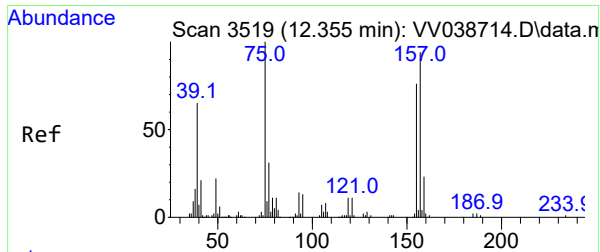


Submitted by: Magesh Dargoda 03/11/2025
Reviewed by: John Carone 03/11/2025

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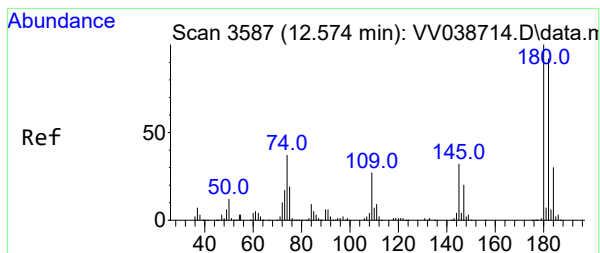
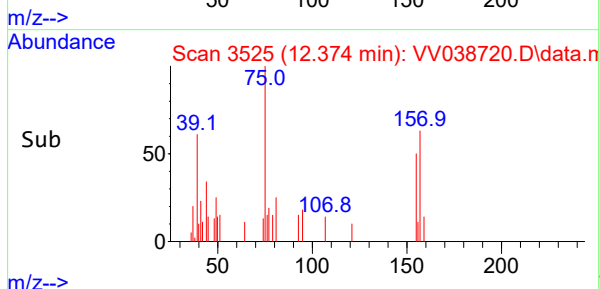
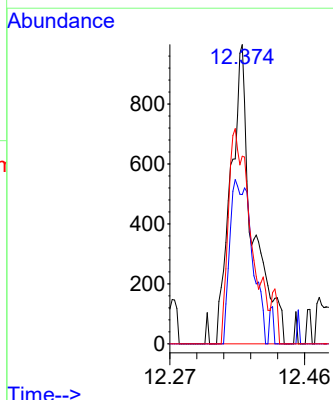
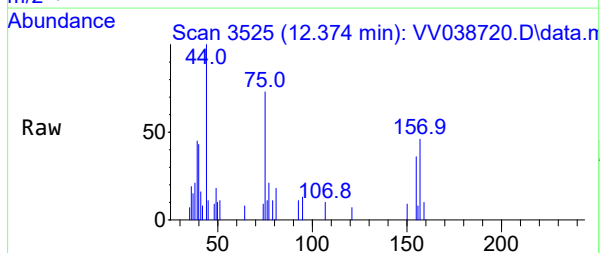
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Client Sample ID:
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Instrument:





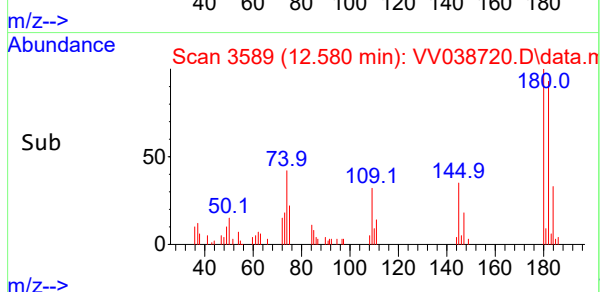
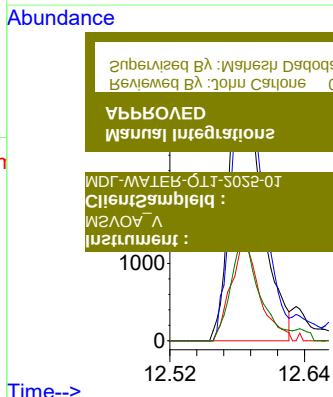
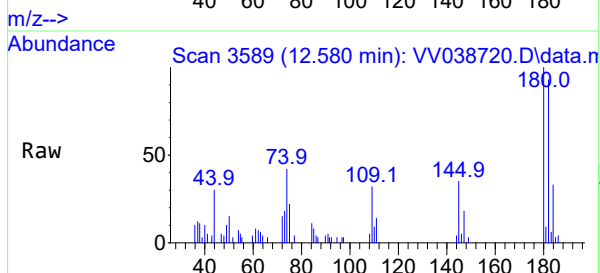
#68
1,2-Dibromo-3-chloropropane
Concen: 3.14 ug/L
RT: 12.374 min Scan# 3525
Delta R.T. 0.019 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion: 75 Resp: 2101
Ion Ratio Lower Upper
75 100
155 49.9 66.8 100.2#
157 62.7 83.4 125.2#



#69
1,3,5-Trichlorobenzene
Concen: 2.27 ug/L
RT: 12.580 min Scan# 3589
Delta R.T. 0.007 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

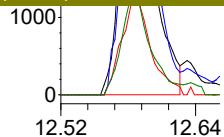
Tgt Ion: 180 Resp: 7309
Ion Ratio Lower Upper
180 100
182 96.0 76.2 114.4
184 31.2 23.8 35.6
145 32.3 24.8 37.2

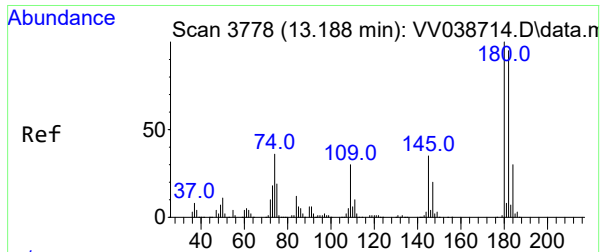


Submitted by: Magesh Dabodu 03/18/2025
Reviewed by: John Catione 03/18/2025

APPROVED
Manual Integrations

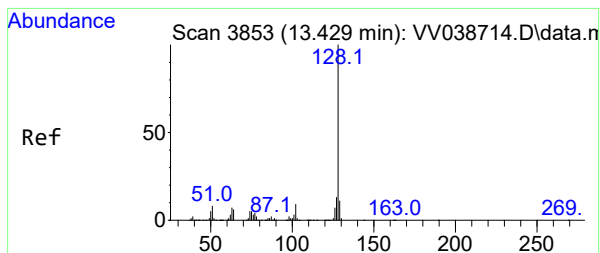
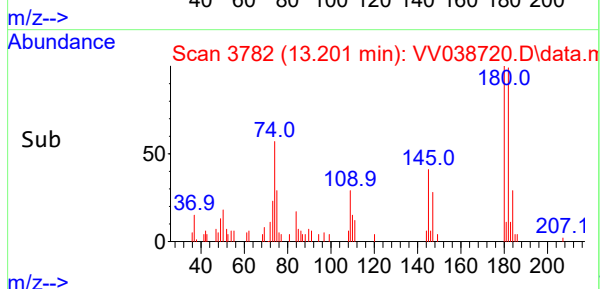
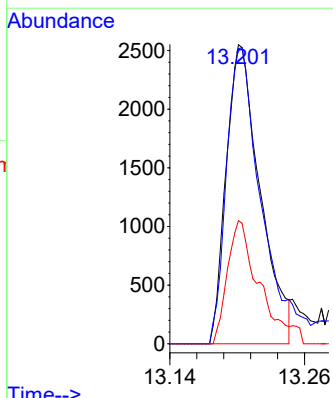
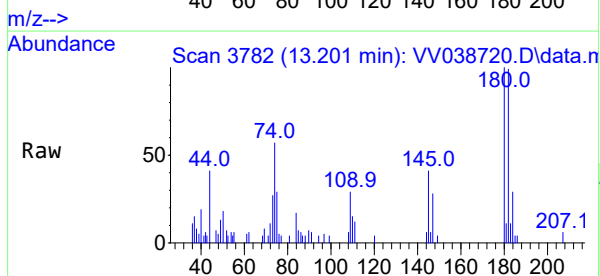
MDT-MATEB-011-S052-01
Client Sample ID:
MS/MS
Instrument:





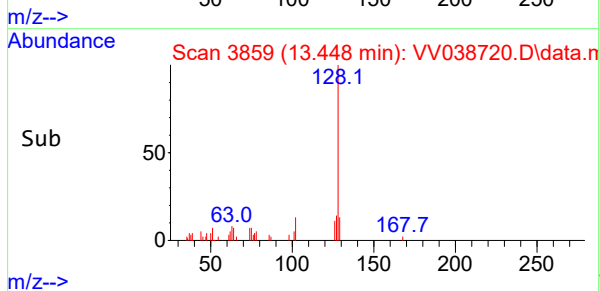
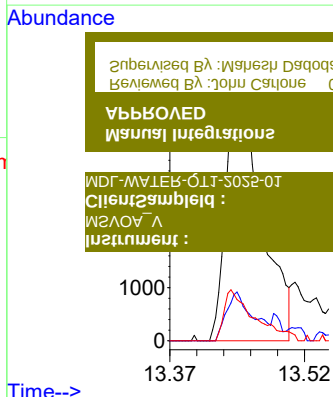
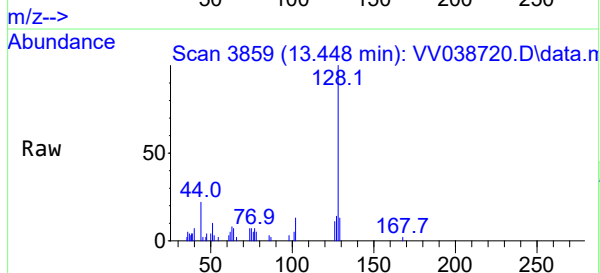
#70
1,2,4-trichlorobenzene
Concen: 2.02 ug/L
RT: 13.201 min Scan# 3782
Delta R.T. 0.013 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

Tgt Ion:180 Resp: 5343
Ion Ratio Lower Upper
180 100
182 96.4 76.2 114.2
145 28.4 24.7 37.1



#71
Naphthalene
Concen: 1.90 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.019 min
Lab File: VV038720.D
Acq: 17 Mar 2025 17:06

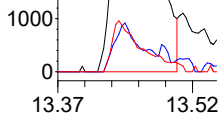
Tgt Ion:128 Resp: 13027
Ion Ratio Lower Upper
128 100
127 11.0 10.1 15.1
129 11.1 8.6 12.8

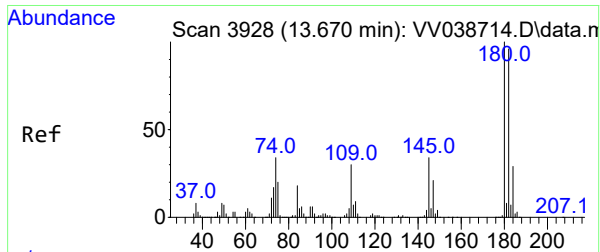


Substrate: Naphthalene
Reference: Naphthalene

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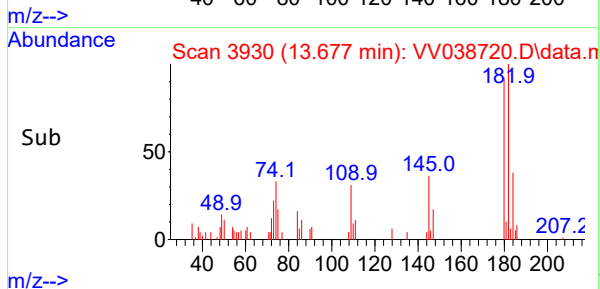
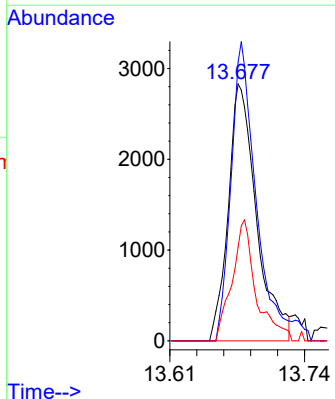
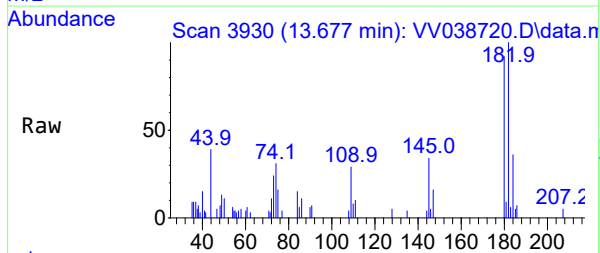
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Client Sample ID:
MS/MS
Instrument:





#72
 1,2,3-Trichlorobenzene
 Concen: 2.16 ug/L
 RT: 13.677 min Scan# 3930
 Delta R.T. 0.007 min
 Lab File: VV038720.D
 Acq: 17 Mar 2025 17:06

Tgt Ion:180 Resp: 5617
 Ion Ratio Lower Upper
 180 100
 182 102.3 75.8 113.6
 145 34.8 27.1 40.7



Supervised By : Maryam Dargah 03/10/2022
 Reviewed By : John Carione 03/10/2022

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 Manual Integrations

MDT-WATER-01T-S052-01
 Client Sampled :
 MS/MS
 Instrument :