

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031325\
 Data File : VV038704.D
 Acq On : 13 Mar 2025 15:23
 Operator : SY/MD
 Sample : Q1546-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 14 07:43:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031325WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 13 13:15:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	160891	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	174582	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	71993	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	56838	5.34	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	106.80%	
7) Chloroethane-d5	1.529	69	55320	5.34	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	106.80%	
11) 1,1-Dichloroethene-d2	2.053	65	28407	5.23	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	104.60%	
20) 2-Butanone-d5	3.793	46	136546	53.21	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	106.42%	
24) Chloroform-d	4.243	84	133279	5.31	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	106.20%	
26) 1,2-Dichloroethane-d4	4.937	65	64514	5.74	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	114.80%	
32) Benzene-d6	4.953	84	243089	5.43	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	108.60%	
36) 1,2-Dichloropropane-d6	5.982	67	81483	5.60	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	112.00%	
41) Toluene-d8	7.236	98	195624	4.84	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	96.80%	
43) trans-1,3-Dichloroprop...	7.558	79	19231	4.48	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	89.60%	
46) 2-Hexanone-d5	8.021	63	108469	52.42	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	123.40%#	
56) 1,1,2,2-Tetrachloroeth...	10.146	84	64877			
Spiked Amount	5.000	Range 65 - 120	Recovery	=		
66) 1,2-Dichlorobenzene-d4	11.554	152	72372			
Spiked Amount	5.000	Range 80 - 120	Recovery	=		
Target Compounds						
2) Dichlorodifluoromethane	1.105	85	3939			
3) Chloromethane	1.214	50	4385	0.28	ug/L	100
5) Vinyl chloride	1.281	62	4348	0.27	ug/L #	48
6) Bromomethane	1.484	94	2185	0.28	ug/L	97
8) Chloroethane	1.545	64	3640	0.34	ug/L	90
9) Trichlorofluoromethane	1.709	101	5811	0.25	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	3880	0.29	ug/L	93
12) 1,1-Dichloroethene	2.063	96	4027	0.33	ug/L #	1
14) Carbon disulfide	2.236	76	10003	0.26	ug/L #	91
15) Methyl Acetate	2.394	43	1203	0.25	ug/L #	65
16) Methylene chloride	2.442	84	3961	0.28	ug/L	96
17) Methyl tert-butyl Ether	2.703	73	6026	0.23	ug/L #	91
18) trans-1,2-Dichloroethene	2.696	96	3136	0.25	ug/L	92
19) 1,1-Dichloroethane	3.114	63	5763	0.24	ug/L	99
21) 2-Butanone	3.931	43	5643m	2.08	ug/L	
22) cis-1,2-Dichloroethene	3.818	96	3367	0.26	ug/L	92
23) Bromochloromethane	4.153	128	1741m	0.28	ug/L	
25) Chloroform	4.272	83	7923	0.32	ug/L	90
27) 1,2-Dichloroethane	5.059	62	3863m	0.28	ug/L	

Subscribed by : 03/14/2025
 Reviewed by : 03/14/2025

APPROVED
 Manual integrations

MDT-MATEB-011-2025-01
 Client Sampled :
 MS/MS
 Instrument :

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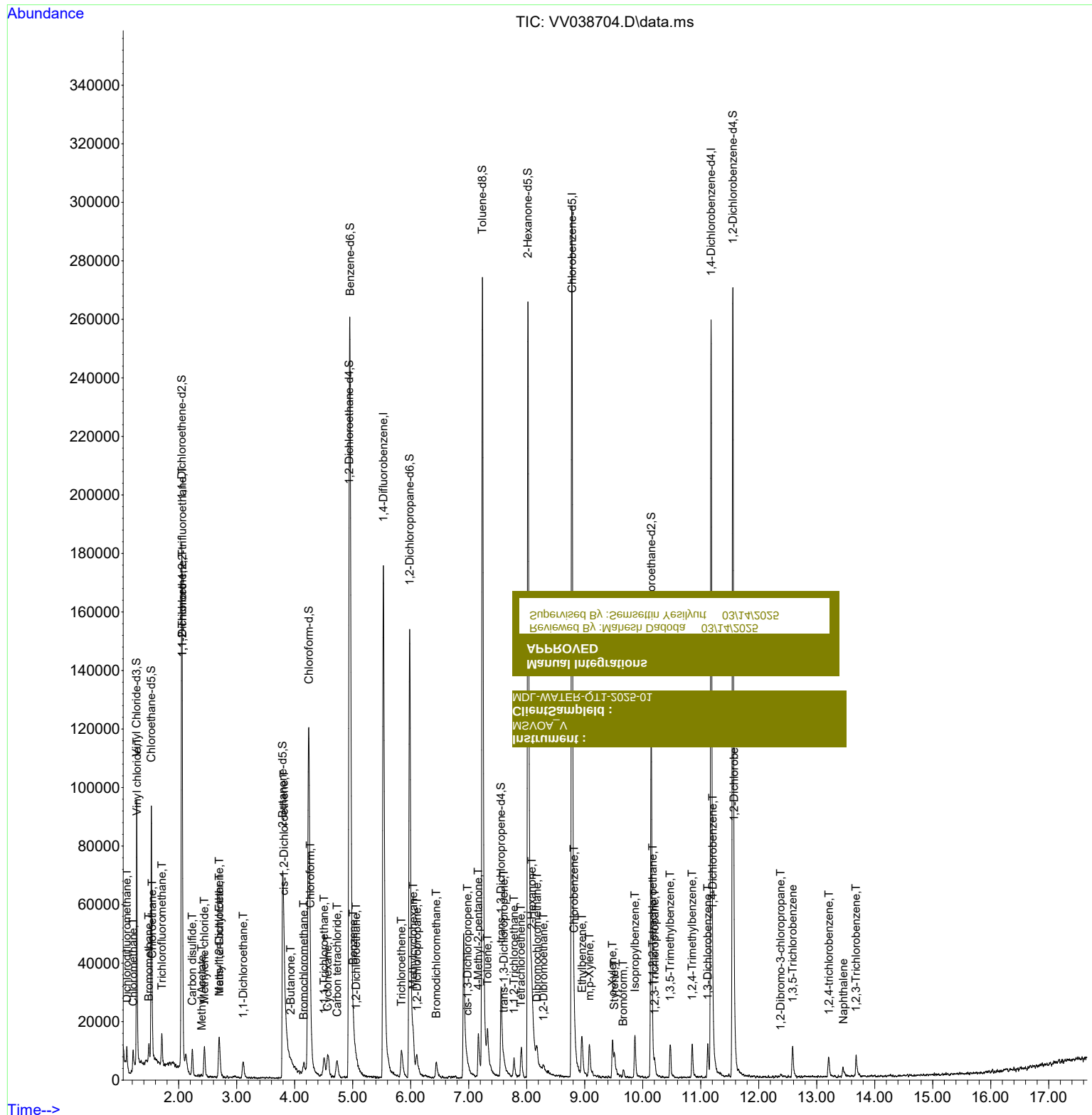
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031325WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 13 13:15:04 2025
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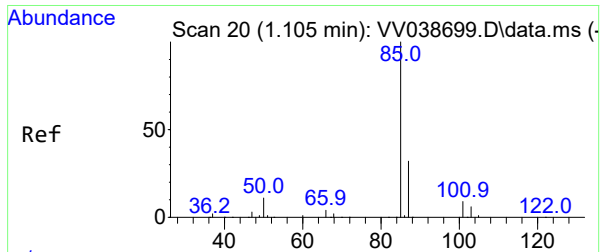
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 1,1,1-Trichloroethane	4.506	97	5402	0.25	ug/L #	73
30) Cyclohexane	4.571	56	3745	0.21	ug/L #	87
31) Carbon tetrachloride	4.731	117	4592	0.23	ug/L	99
33) Benzene	5.008	78	12431	0.25	ug/L	100
34) Trichloroethene	5.841	95	3165	0.23	ug/L	92
35) Methylcyclohexane	6.046	83	3877	0.20	ug/L	96
37) 1,2-Dichloropropane	6.108	63	3100m	0.23	ug/L	
38) Bromodichloromethane	6.442	83	4498	0.25	ug/L #	92
39) cis-1,3-Dichloropropene	6.979	75	3688	0.21	ug/L #	83
40) 4-Methyl-2-pentanone	7.165	43	11802	1.75	ug/L #	86
42) Toluene	7.326	91	11922	0.23	ug/L	90
44) trans-1,3-Dichloropropene	7.606	75	3293	0.22	ug/L	92
45) 1,1,2-Trichloroethane	7.779	97	2058	0.20	ug/L	81
47) Tetrachloroethene	7.902	164	2523	0.25	ug/L	94
48) 2-Hexanone	8.088	43	17599	3.65	ug/L #	94
49) Dibromochloromethane	8.175	129	2837	0.25	ug/L	88
50) 1,2-Dibromoethane	8.288	107	2112	0.23	ug/L #	97
51) Chlorobenzene	8.815	112	8744	0.25	ug/L	95
52) Ethylbenzene	8.953	91	11362	0.20	ug/L	97
53) m,p-Xylene	9.082	106	3944	0.19	ug/L	78
54) o-Xylene	9.480	106	3822	0.19	ug/L	82
55) Styrene	9.513	104	5658m	0.17	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.175	83	3331	0.28	ug/L #	93
59) Bromoform	9.660	173	1176	0.25	ug/L #	76
60) Isopropylbenzene	9.866	105	10107	0.23	ug/L #	95
61) 1,2,3-Trichloropropane	10.207	75	1992	0.31	ug/L #	84
62) 1,3,5-Trimethylbenzene	10.474	105	6852	0.21	ug/L	96
63) 1,2,4-Trimethylbenzene	10.853	105	6961			
64) 1,3-Dichlorobenzene	11.120	146	5613			
65) 1,4-Dichlorobenzene	11.207	146	6071			
67) 1,2-Dichlorobenzene	11.574	146	5791			
68) 1,2-Dibromo-3-chloropr...	12.377	75	285	0.20	ug/L #	63
69) 1,3,5-Trichlorobenzene	12.583	180	3392			
70) 1,2,4-trichlorobenzene	13.210	180	2615			
71) Naphthalene	13.458	128	3855			
72) 1,2,3-Trichlorobenzene	13.676	180	2597	0.25	ug/L	93

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

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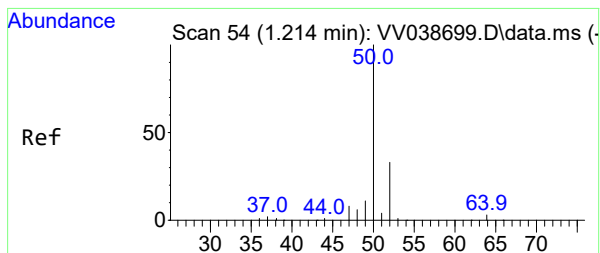
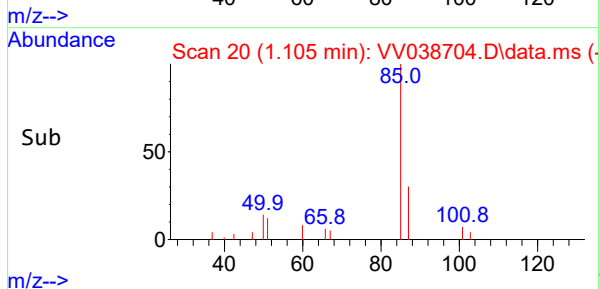
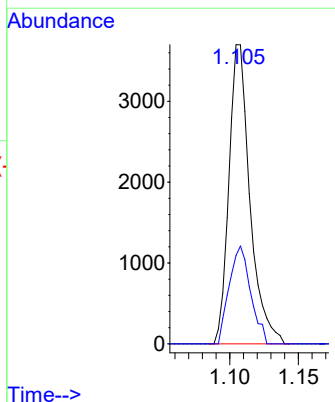
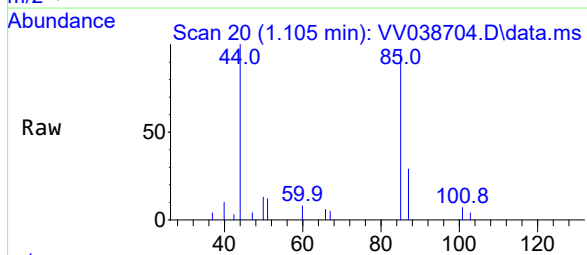
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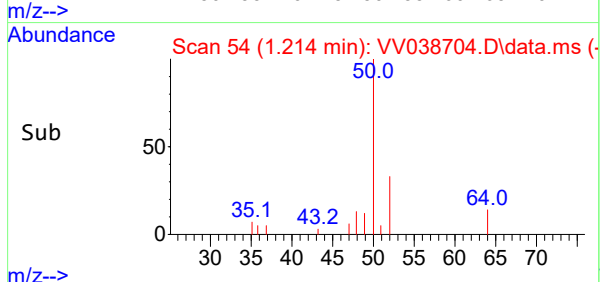
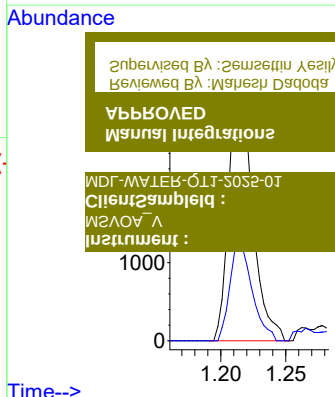
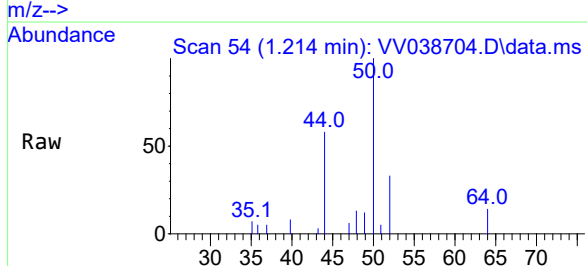
#2
Dichlorodifluoromethane
Concen: 0.24 ug/L
RT: 1.105 min Scan# 20
Delta R.T. -0.000 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

Tgt Ion: 85 Resp: 3939
Ion Ratio Lower Upper
85 100
87 33.3 25.5 38.3



#3
Chloromethane
Concen: 0.28 ug/L
RT: 1.214 min Scan# 54
Delta R.T. -0.000 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

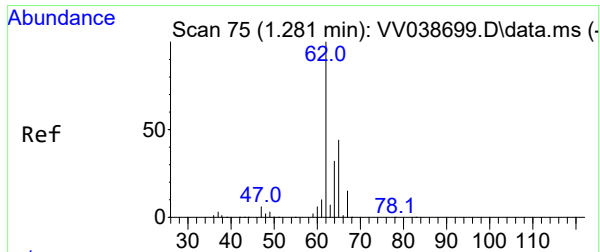
Tgt Ion: 50 Resp: 4385
Ion Ratio Lower Upper
50 100
52 33.1 23.2 43.2



Supervised by: Jemalyn Yegorov 03/14/2025
Reviewed by: Marnesha Dargatz 03/14/2025

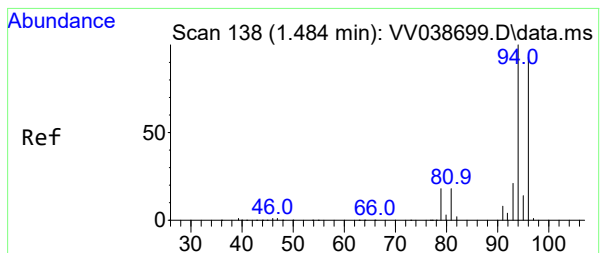
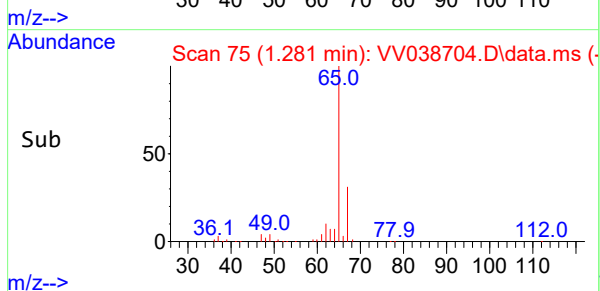
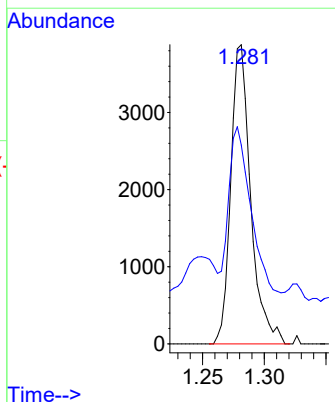
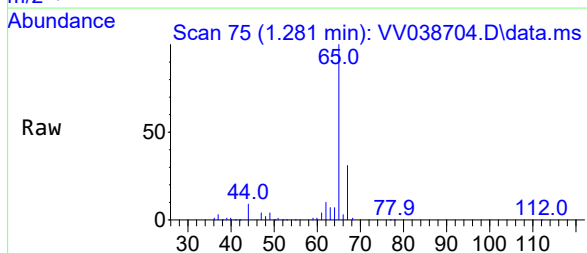
APPROVED
Manual integrations

MDT-WATER-011-2025-01
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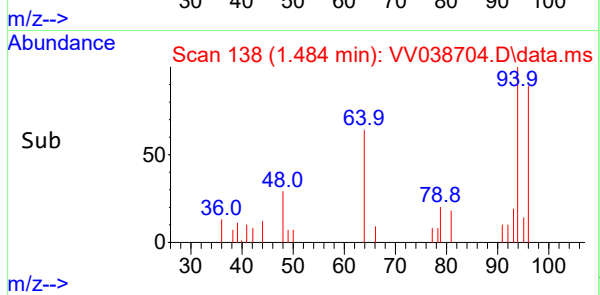
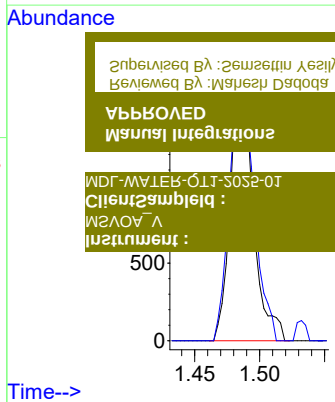
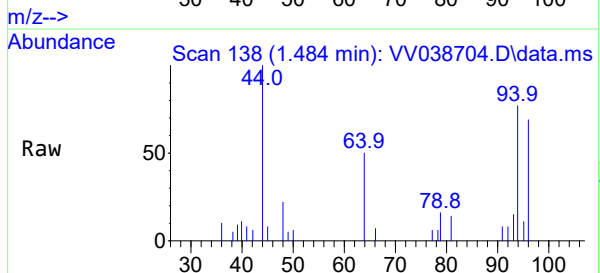
#5
 Vinyl chloride
 Concen: 0.27 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV038704.D
 Acq: 13 Mar 2025 15:23

Tgt Ion: 62 Resp: 4348
 Ion Ratio Lower Upper
 62 100
 64 66.4 25.0 46.4#



#6
 Bromomethane
 Concen: 0.28 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV038704.D
 Acq: 13 Mar 2025 15:23

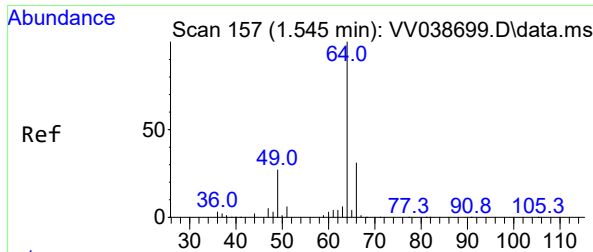
Tgt Ion: 94 Resp: 2185
 Ion Ratio Lower Upper
 94 100
 96 89.0 64.3 119.3



Supervised by: Jemalyn Yesilnur 03/14/2025
 Reviewed by: Marnesi Dabodg 03/14/2025

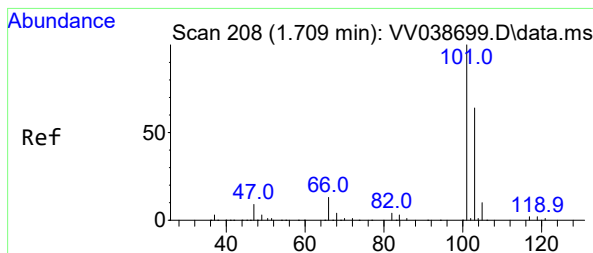
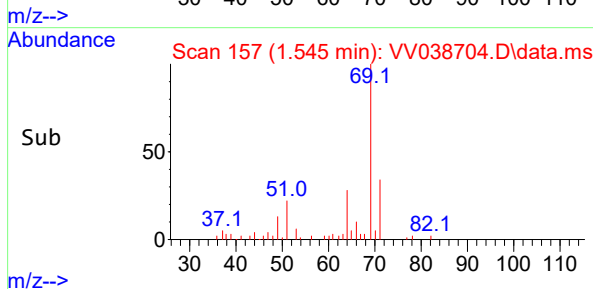
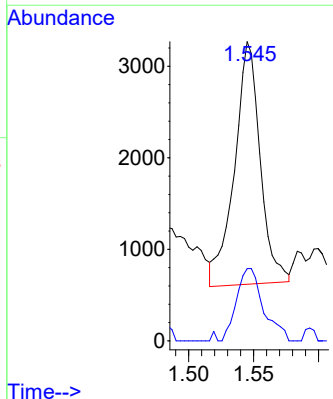
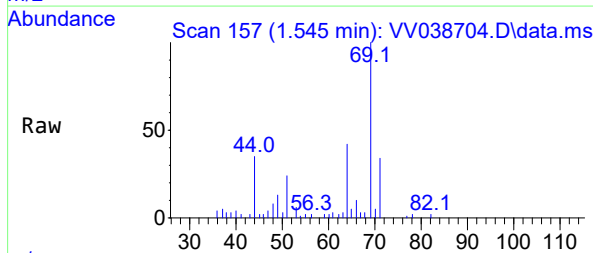
APPROVED
 Manual integrations

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



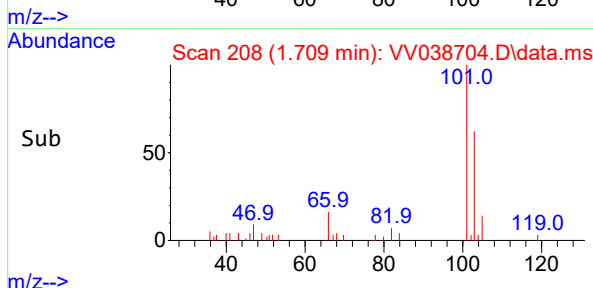
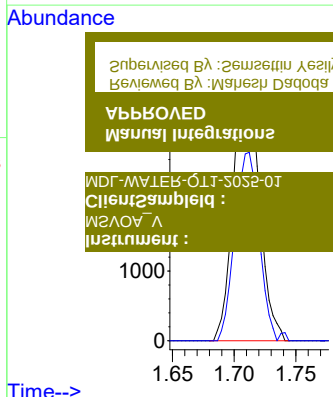
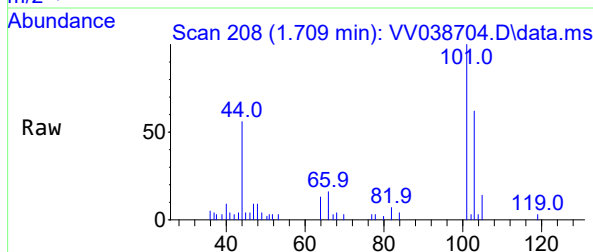
#8
Chloroethane
Concen: 0.34 ug/L
RT: 1.545 min Scan# 157
Delta R.T. -0.000 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

Tgt Ion: 64 Resp: 3640
Ion Ratio Lower Upper
64 100
66 24.1 20.9 38.7



#9
Trichlorofluoromethane
Concen: 0.25 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.000 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

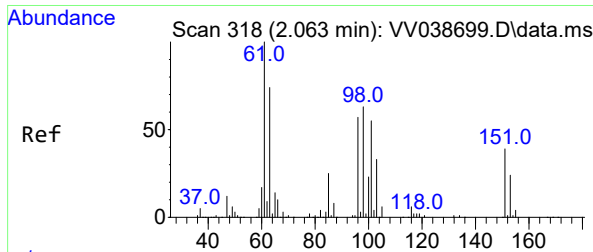
Tgt Ion:101 Resp: 5811
Ion Ratio Lower Upper
101 100
103 63.4 52.4 78.6



Supervised by: Jemalyn Yegorov 03/14/2025
Reviewed by: Marnie Dabodg 03/14/2025

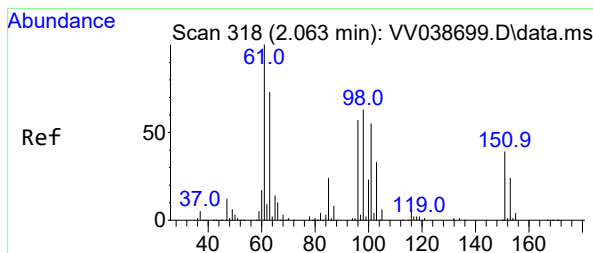
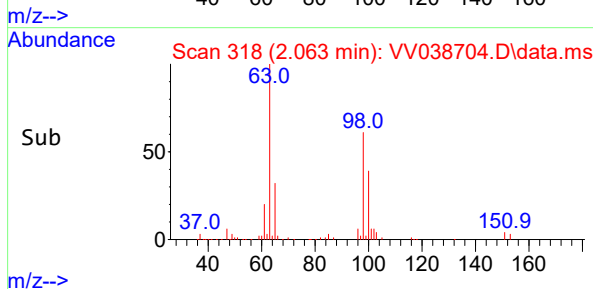
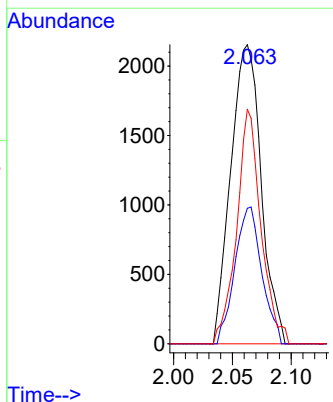
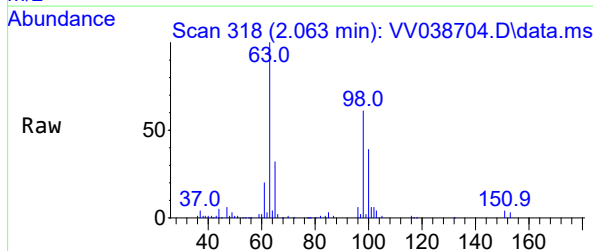
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Manual integrations

MDT-WATER-011-2025-01
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MS/MS
Instrument:



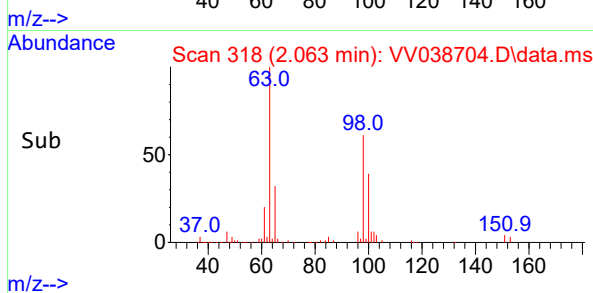
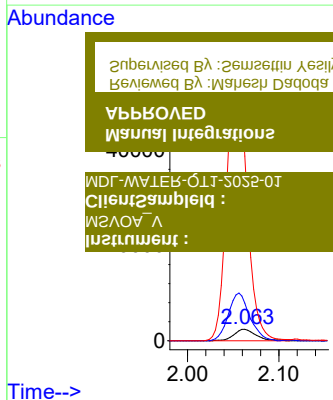
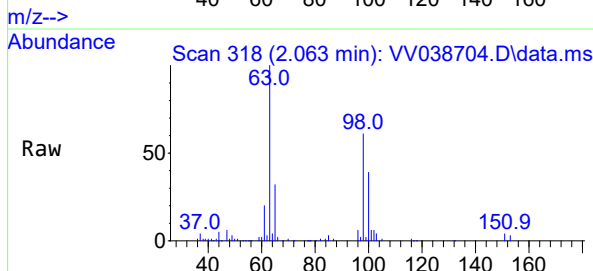
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.29 ug/L
RT: 2.063 min Scan# 318
Delta R.T. -0.000 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

Tgt Ion:	101	Resp:	3880
Ion	Ratio	Lower	Upper
101	100		
85	40.5	35.0	52.4
151	62.6	55.1	82.7



#12
1,1-Dichloroethene
Concen: 0.33 ug/L
RT: 2.063 min Scan# 318
Delta R.T. -0.000 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

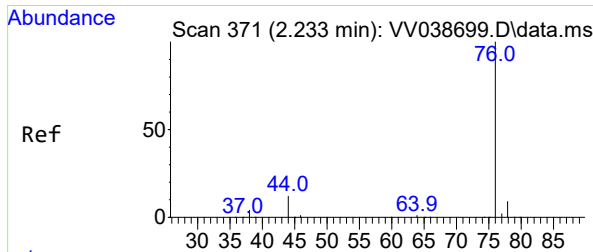
Tgt Ion:	96	Resp:	4027
Ion	Ratio	Lower	Upper
96	100		
61	327.8	122.8	228.1#
63	1610.3	92.0	170.8#



Supervised by: [Signature] 03/14/2025
Reviewed by: [Signature] 03/14/2025

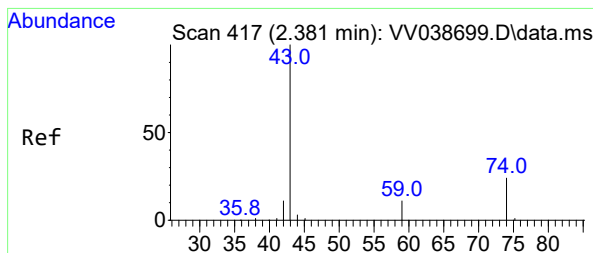
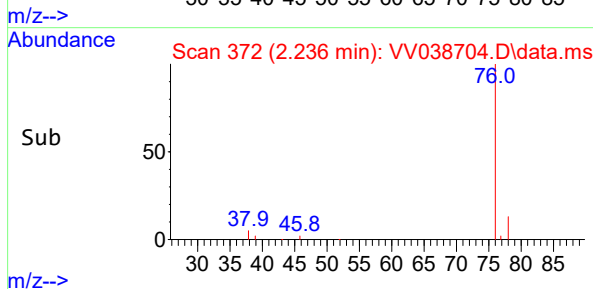
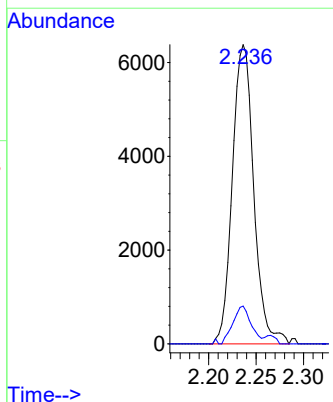
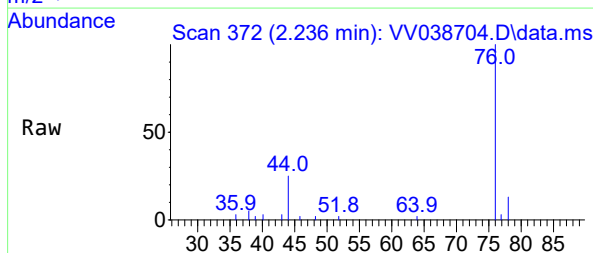
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Manual integrations

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



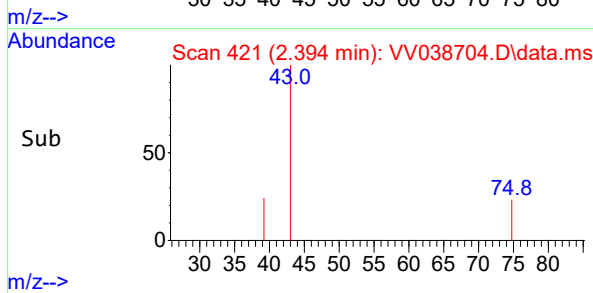
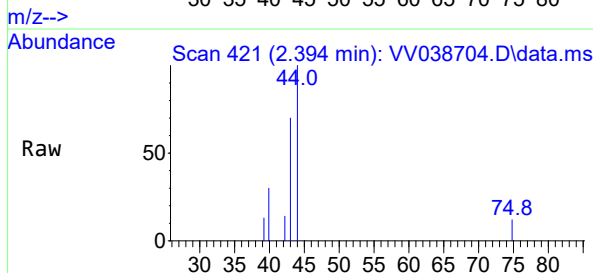
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Carbon disulfide
Concen: 0.26 ug/L
RT: 2.236 min Scan# 372
Delta R.T. 0.003 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

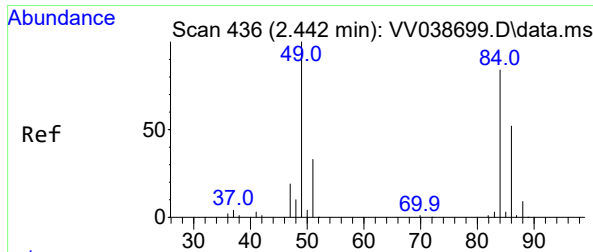
Tgt Ion: 76 Resp: 10003
Ion Ratio Lower Upper
76 100
78 12.6 7.5 11.3#



#15
Methyl Acetate
Concen: 0.25 ug/L
RT: 2.394 min Scan# 421
Delta R.T. 0.013 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

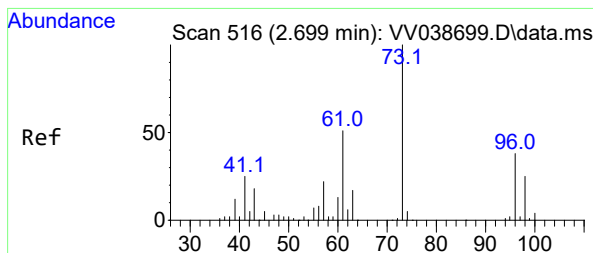
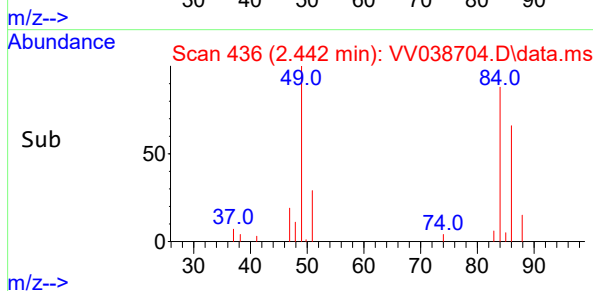
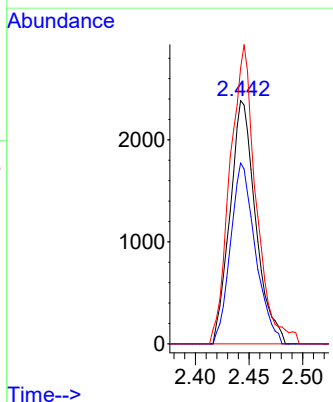
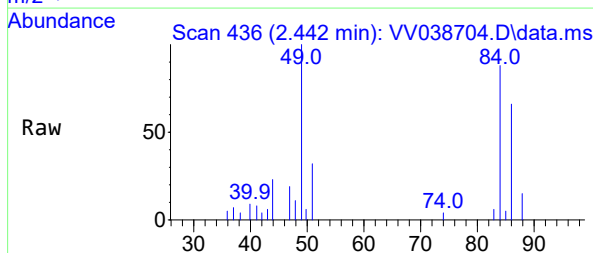
Tgt Ion: 43 Resp: 1203
Ion Ratio Lower Upper
43 100
74 6.0 18.6 27.8#





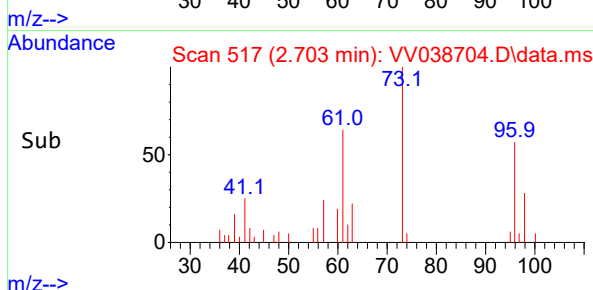
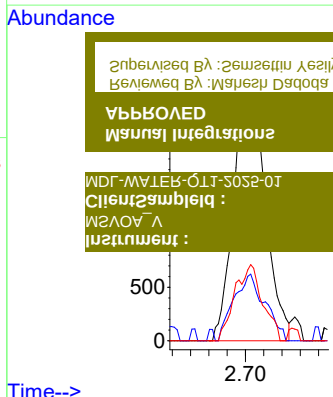
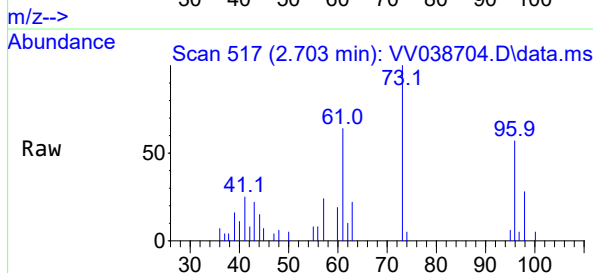
#16
Methylene chloride
Concen: 0.28 ug/L
RT: 2.442 min Scan# 436
Delta R.T. -0.000 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

Tgt Ion:	84	Resp:	3961
Ion	Ratio	Lower	Upper
84	100		
86	74.4	46.0	85.4
49	120.6	83.9	155.9



#17
Methyl tert-butyl Ether
Concen: 0.23 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

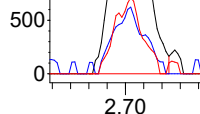
Tgt Ion:	73	Resp:	6026
Ion	Ratio	Lower	Upper
73	100		
43	24.5	14.6	22.0#
57	24.9	18.2	27.2

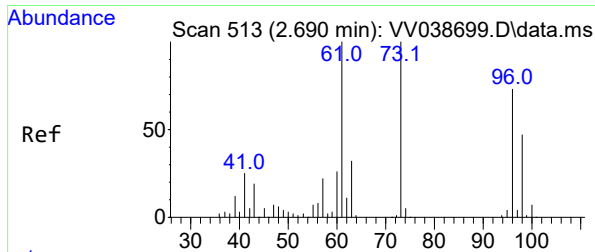


Supervised by : Jemalyn Yegorov 03/14/2025
Reviewed by : Marnie Dabodg 03/14/2025

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Client Sample :
MS/MS
Instrument :

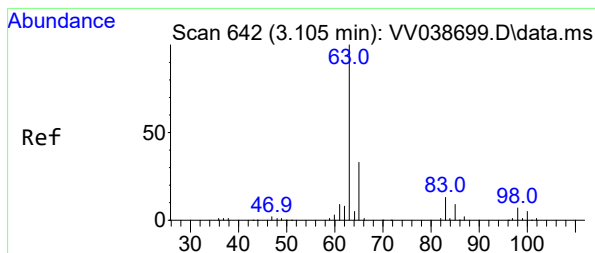
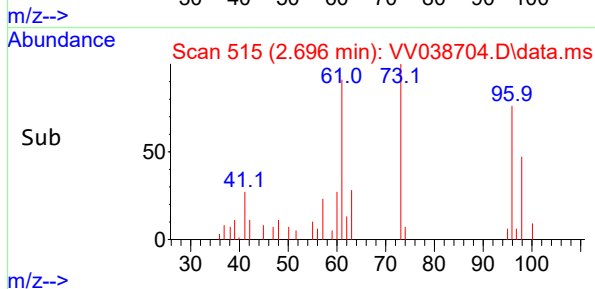
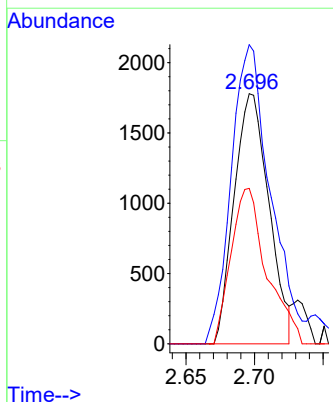
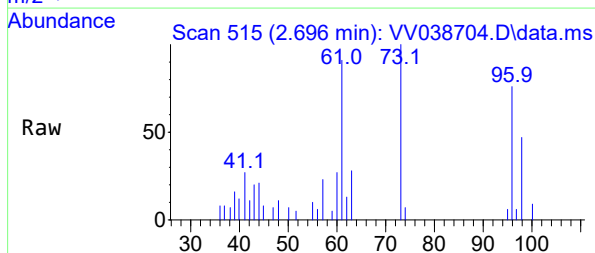




#18
trans-1,2-Dichloroethene
Concen: 0.25 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.006 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

Tgt Ion: 96 Resp: 3136

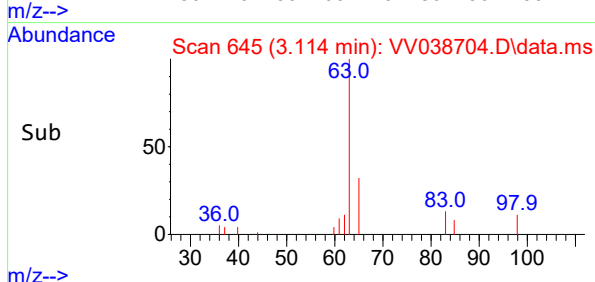
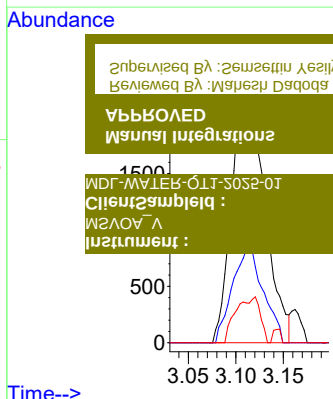
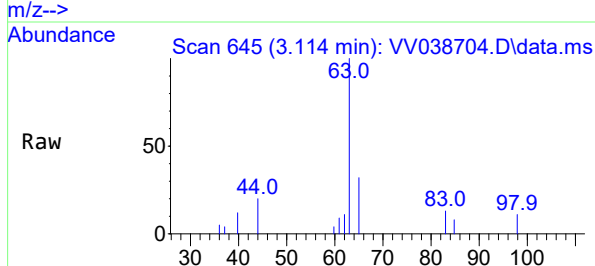
Ion	Ratio	Lower	Upper
96	100		
61	119.6	91.4	169.8
98	62.2	41.6	77.2



#19
1,1-Dichloroethane
Concen: 0.24 ug/L
RT: 3.114 min Scan# 645
Delta R.T. 0.010 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

Tgt Ion: 63 Resp: 5763

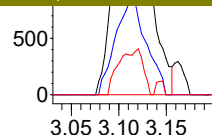
Ion	Ratio	Lower	Upper
63	100		
65	32.0	21.8	40.4
83	13.2	9.2	17.2

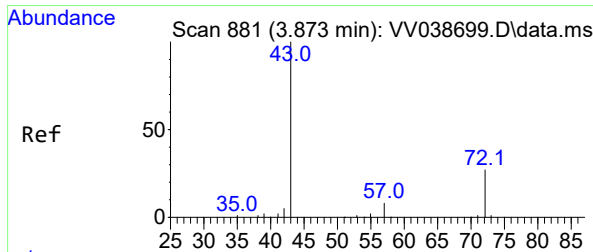


Supervised by: [Signature] 03/14/2025
Reviewed by: [Signature] 03/14/2025

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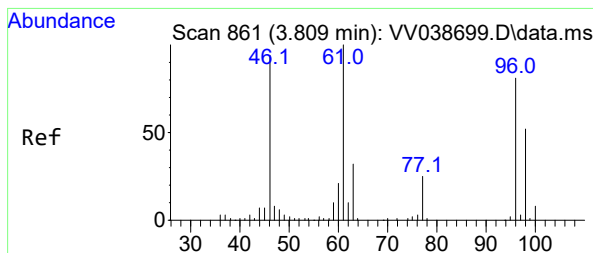
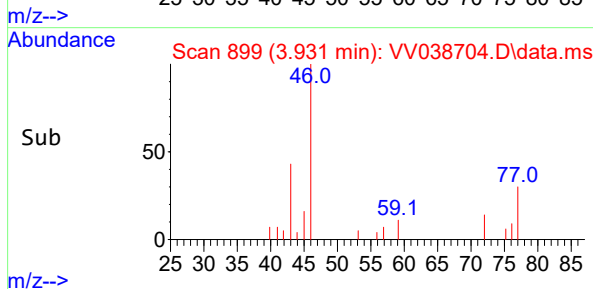
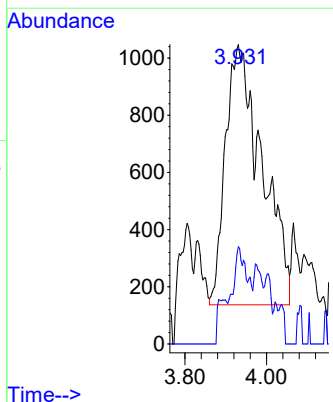
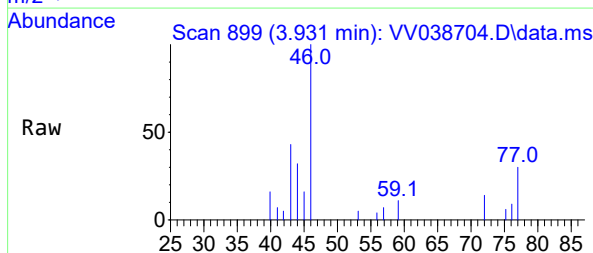
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Client Sample ID:
MS/MS
Instrument:





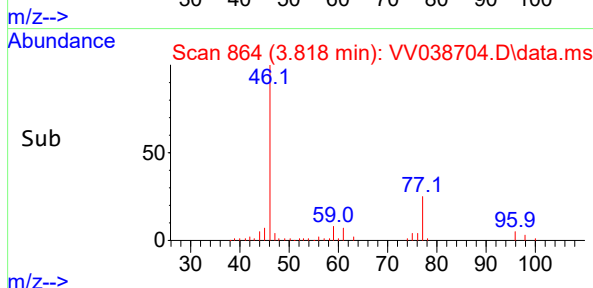
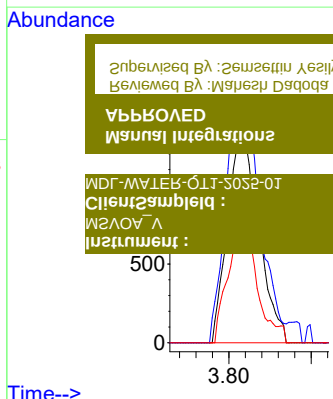
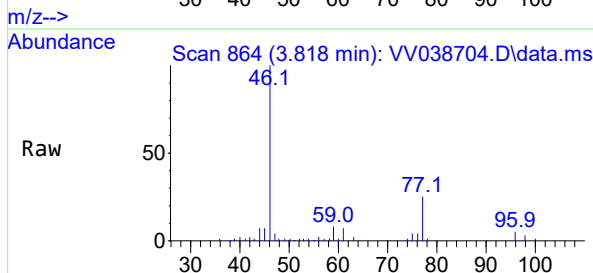
#21
2-Butanone
Concen: 2.08 ug/L m
RT: 3.931 min Scan# 899
Delta R.T. 0.058 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

Tgt Ion: 43 Resp: 5643
Ion Ratio Lower Upper
43 100
72 12.7 11.9 35.5



#22
cis-1,2-Dichloroethene
Concen: 0.26 ug/L
RT: 3.818 min Scan# 864
Delta R.T. 0.010 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

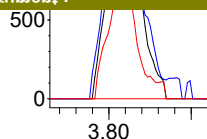
Tgt Ion: 96 Resp: 3367
Ion Ratio Lower Upper
96 100
61 128.8 83.6 155.2
98 60.0 45.6 84.8

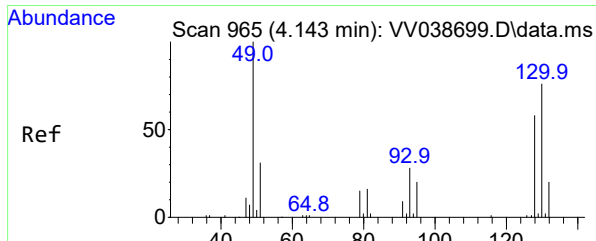


Supervised by: Jemalyn Yegorov 03/14/2025
Reviewed by: Marnie Dargatz 03/14/2025

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Manual integrations

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Client Sample ID:
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Instrument:

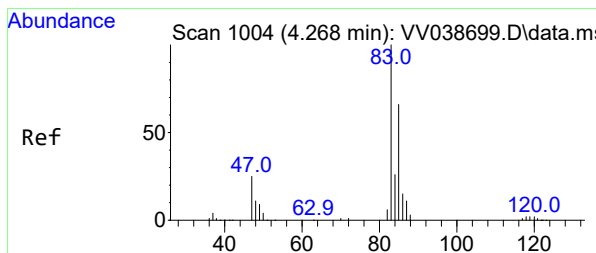
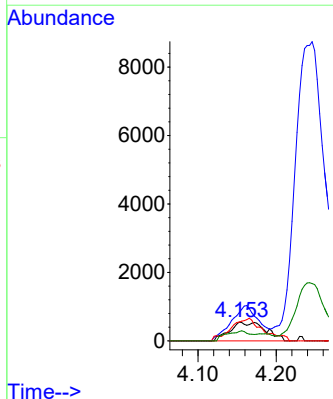
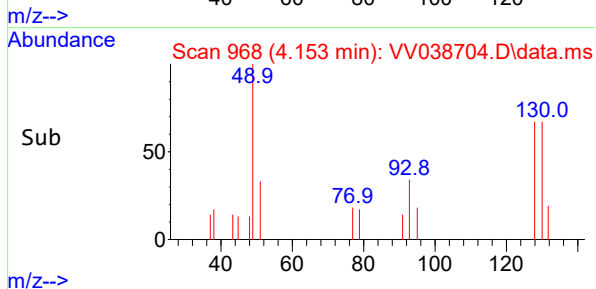
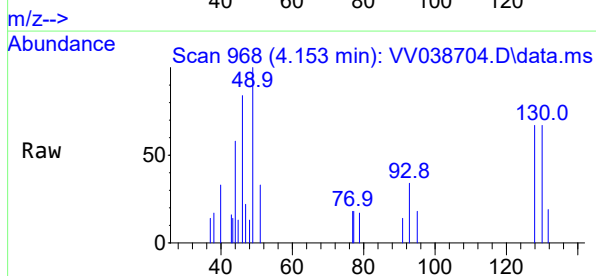




#23
Bromochloromethane
Concen: 0.28 ug/L m
RT: 4.153 min Scan# 968
Delta R.T. 0.010 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

Tgt Ion: 128 Resp: 1741

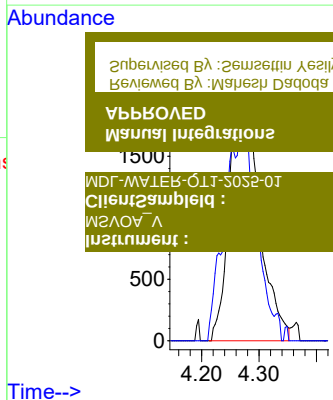
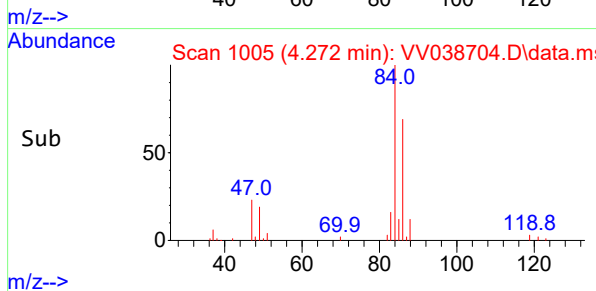
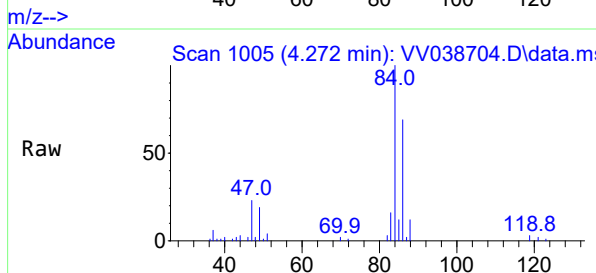
Ion	Ratio	Lower	Upper
128	100		
49	150.4	116.0	215.4
130	100.7	90.2	167.6
51	50.2	43.4	65.2



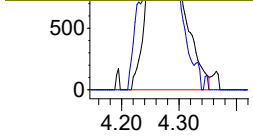
#25
Chloroform
Concen: 0.32 ug/L
RT: 4.272 min Scan# 1005
Delta R.T. 0.003 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

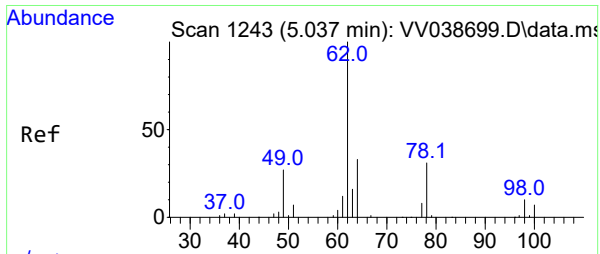
Tgt Ion: 83 Resp: 7923

Ion	Ratio	Lower	Upper
83	100		
85	75.2	47.2	87.6



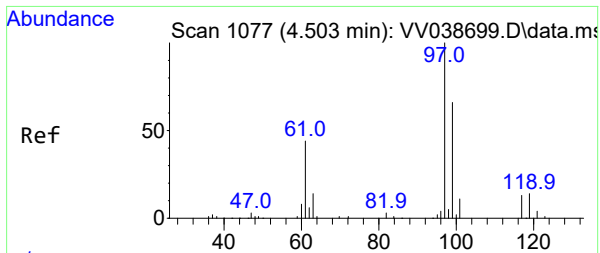
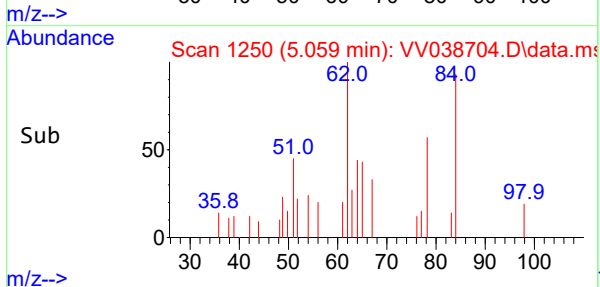
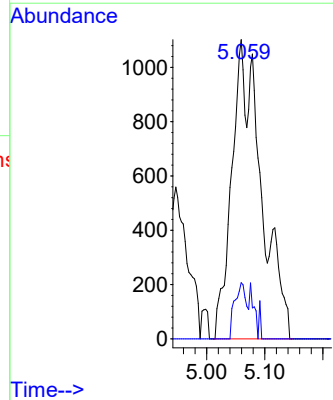
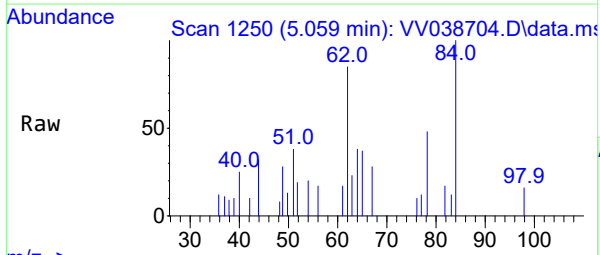
Reviewed by: [Signature] 03/14/2025
Reviewed by: [Signature] 03/14/2025
APPROVED
Manual integrations
1500
MDT-MATEB-011-5052-01
Client Sample ID:
MS/MS
Instrument:





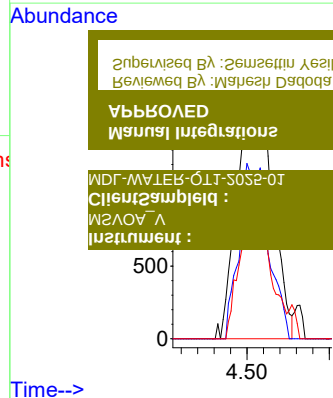
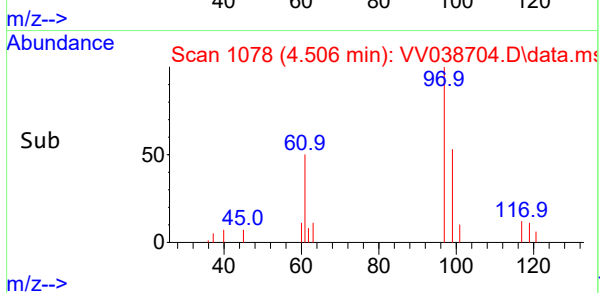
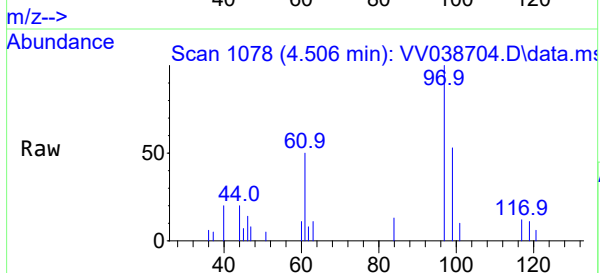
#27
1,2-Dichloroethane
Concen: 0.28 ug/L m
RT: 5.059 min Scan# 1250
Delta R.T. 0.022 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

Tgt Ion: 62 Resp: 3863
Ion Ratio Lower Upper
62 100
98 18.8 7.7 11.5#



#29
1,1,1-Trichloroethane
Concen: 0.25 ug/L
RT: 4.506 min Scan# 1078
Delta R.T. 0.003 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

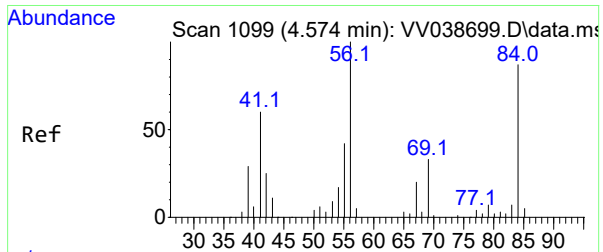
Tgt Ion: 97 Resp: 5402
Ion Ratio Lower Upper
97 100
99 29.7 50.9 76.3#
61 46.4 35.8 53.6



Supervised by: Jemalyn Yegorov 03/14/2025
Reviewed by: Marnie Dabodg 03/14/2025

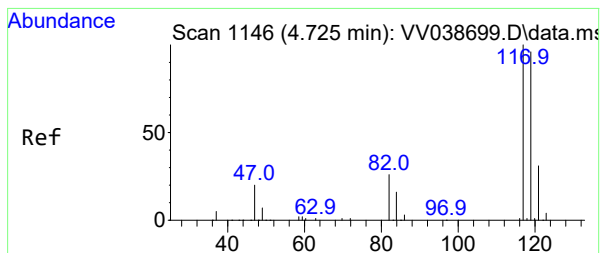
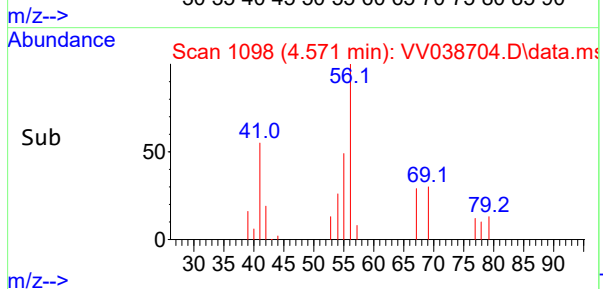
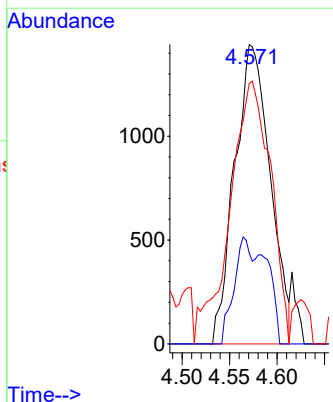
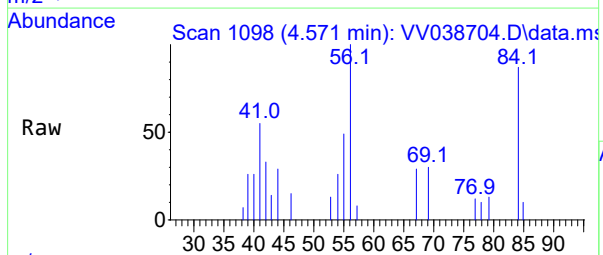
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Manual integrations

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



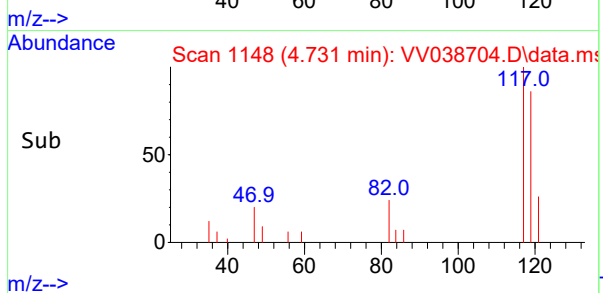
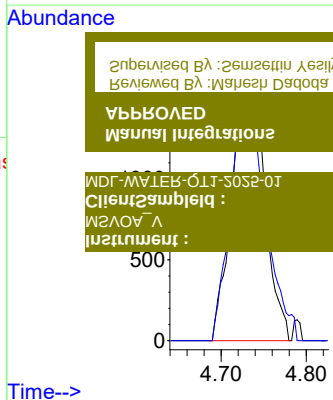
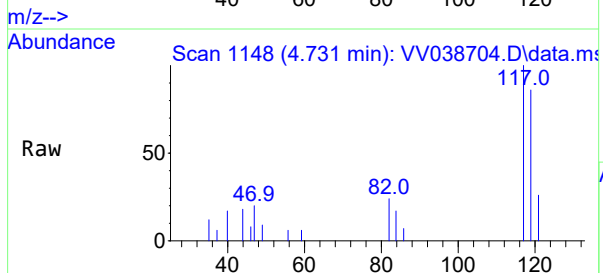
#30
Cyclohexane
Concen: 0.21 ug/L
RT: 4.571 min Scan# 1098
Delta R.T. -0.003 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

Tgt Ion: 56 Resp: 3745
Ion Ratio Lower Upper
56 100
69 17.6 24.0 36.0#
84 100.5 72.7 109.1



#31
Carbon tetrachloride
Concen: 0.23 ug/L
RT: 4.731 min Scan# 1148
Delta R.T. 0.006 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

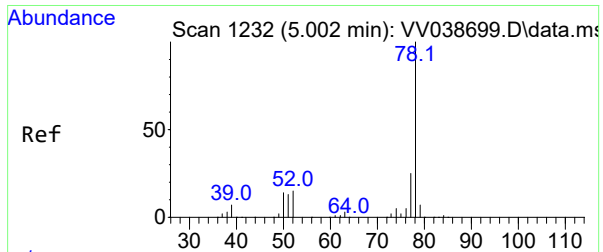
Tgt Ion: 117 Resp: 4592
Ion Ratio Lower Upper
117 100
119 94.3 76.5 114.7



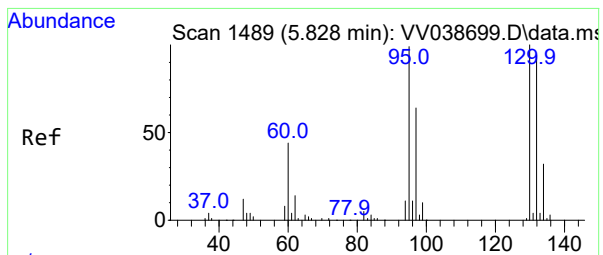
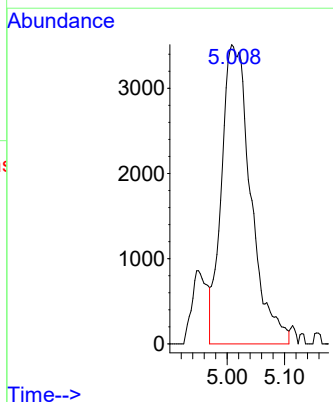
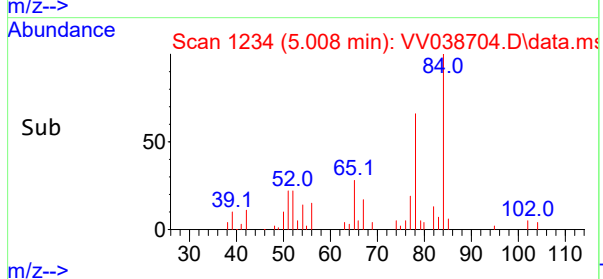
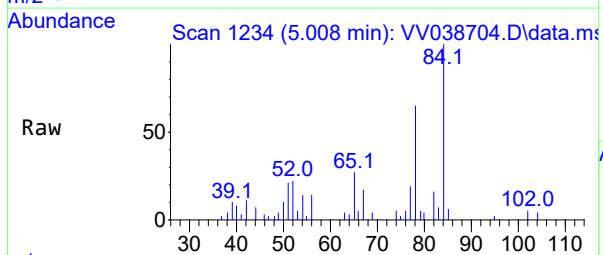
Supervised by: [REDACTED] 03/14/2025
Reviewed by: [REDACTED] 03/14/2025

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Manual integrations

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

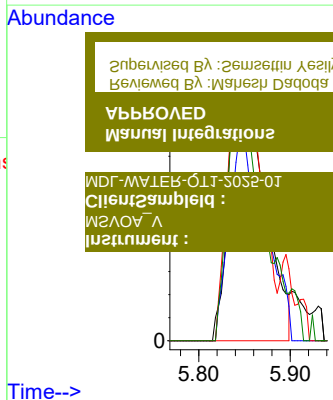
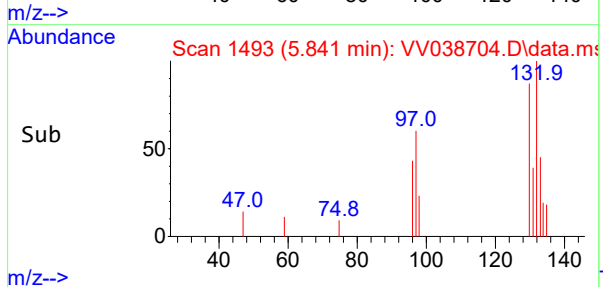
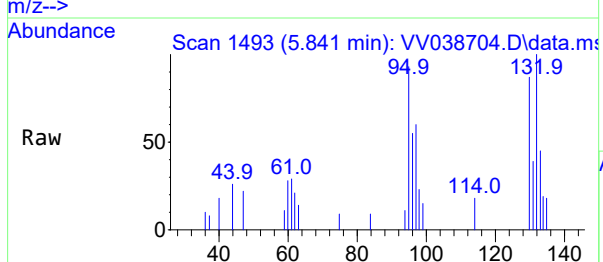


#33
Benzene
Concen: 0.25 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.006 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23
Tgt Ion: 78 Resp: 12431

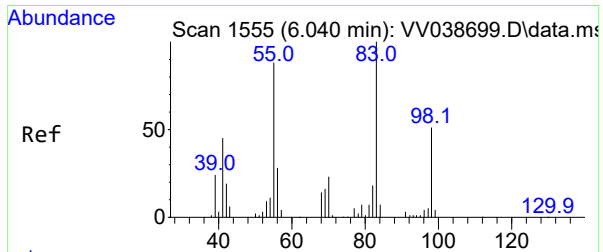


#34
Trichloroethene
Concen: 0.23 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.013 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

Tgt Ion: 95 Resp: 3165
Ion Ratio Lower Upper
95 100
97 64.5 43.5 80.9
132 108.1 64.0 118.8
130 94.3 66.9 124.3

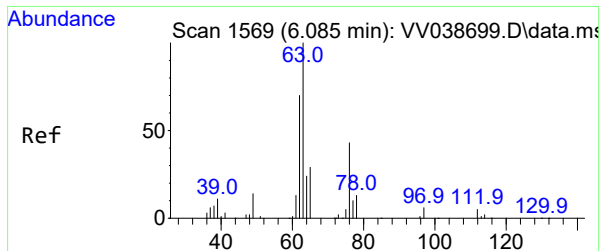
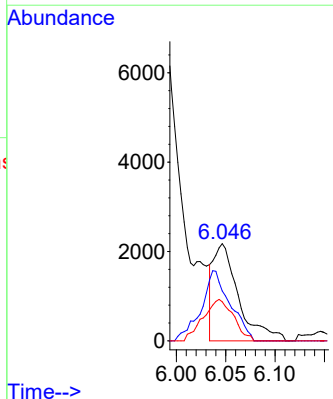
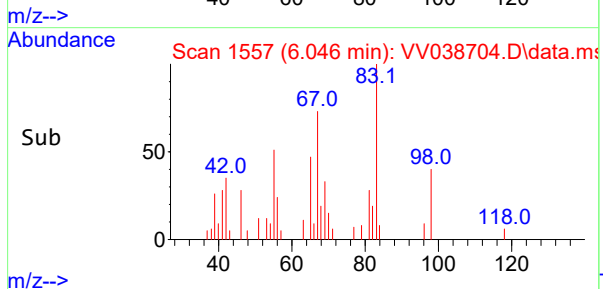
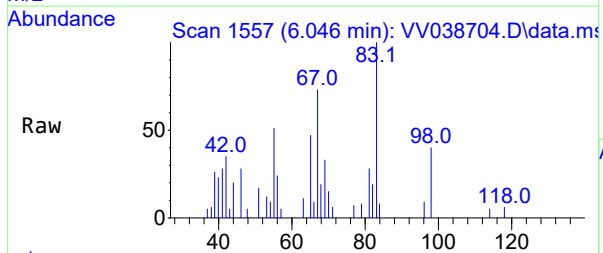


Submitted by : Jemalyn Reyes 03/13/2025
Reviewed by : Marissa Dagobas 03/13/2025
APPROVED
Manual integrations
MDT-MATEB-011-5052-01
Client Sample :
MS/MS
Instrument :



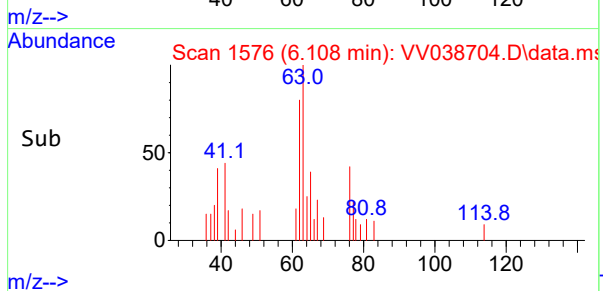
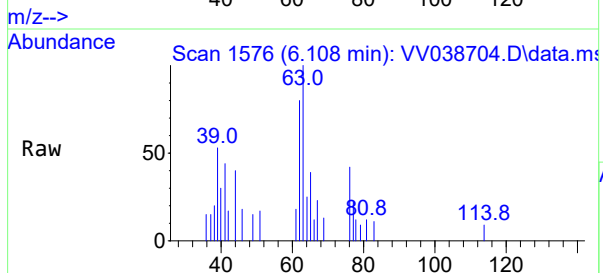
#35
Methylcyclohexane
Concen: 0.20 ug/L
RT: 6.046 min Scan# 1557
Delta R.T. 0.006 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

Tgt Ion:	83	Resp:	3877
Ion	Ratio	Lower	Upper
83	100		
55	82.5	62.6	94.0
98	50.8	38.7	58.1



#37
1,2-Dichloropropane
Concen: 0.23 ug/L m
RT: 6.108 min Scan# 1576
Delta R.T. 0.022 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

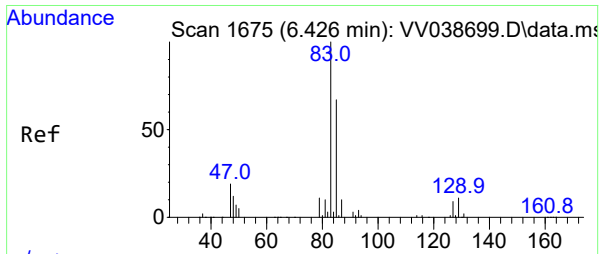
Tgt Ion:	63	Resp:	3100
Ion	Ratio	Lower	Upper
63	100		
112	2.2	3.6	5.4#



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Reviewed by: Marnie Dabodg 03/14/2025

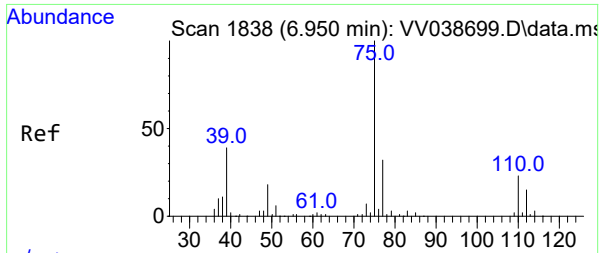
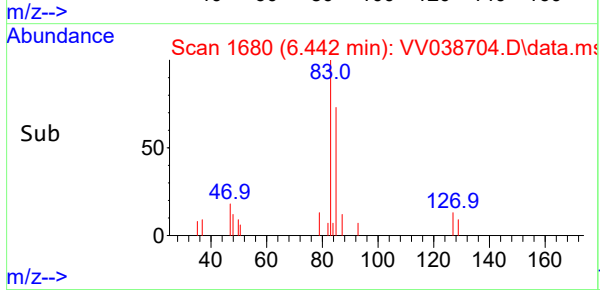
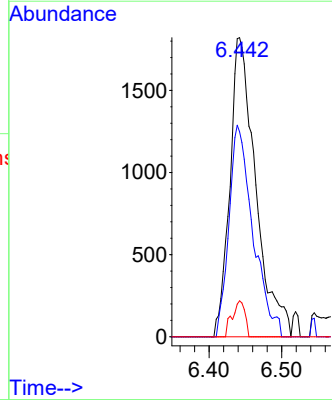
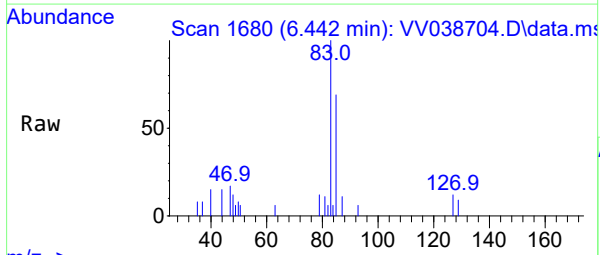
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Manual integrations

MDT-MATEB-01T-S032-01
Client Sample ID:
MS/MS
Instrument:



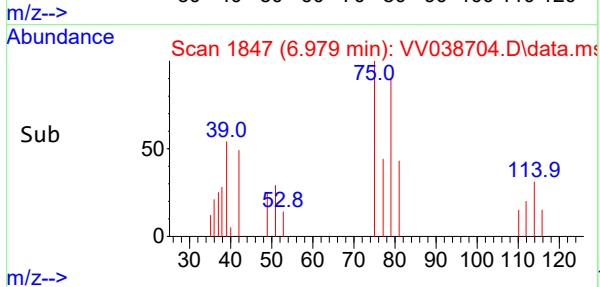
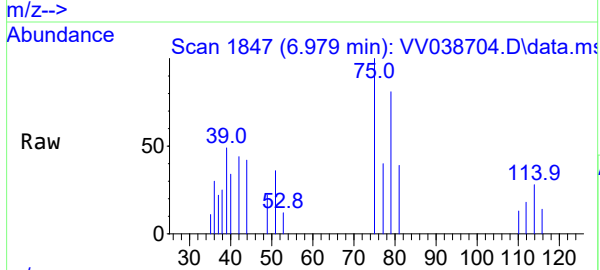
#38
Bromodichloromethane
Concen: 0.25 ug/L
RT: 6.442 min Scan# 1680
Delta R.T. 0.016 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

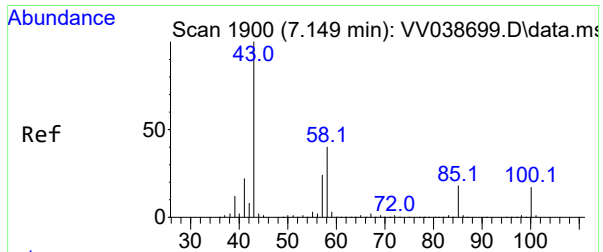
Tgt Ion: 83 Resp: 4498
Ion Ratio Lower Upper
83 100
85 68.5 44.0 81.6
127 12.0 6.2 9.4#



#39
cis-1,3-Dichloropropene
Concen: 0.21 ug/L
RT: 6.979 min Scan# 1847
Delta R.T. 0.029 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

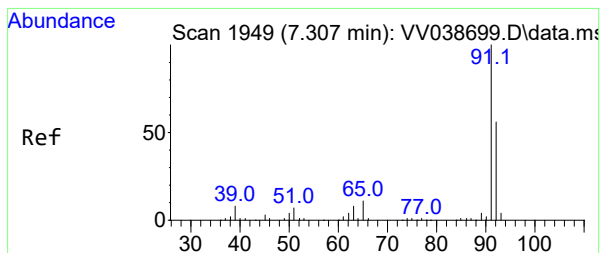
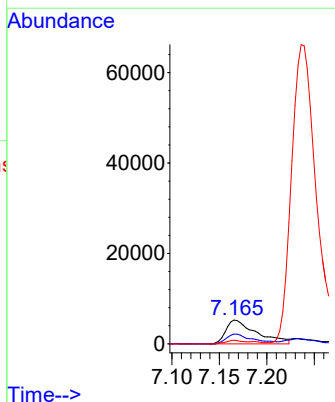
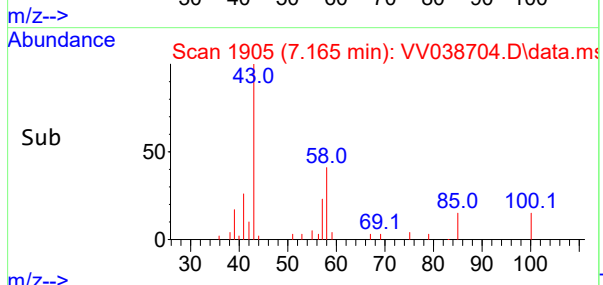
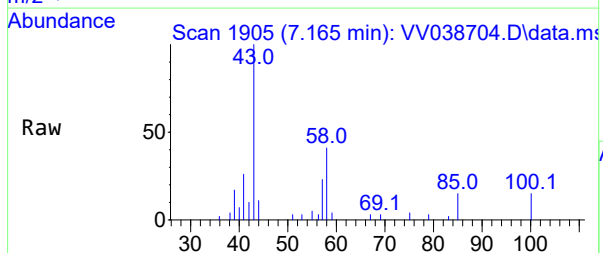
Tgt Ion: 75 Resp: 3688
Ion Ratio Lower Upper
75 100
77 39.7 21.3 39.5#





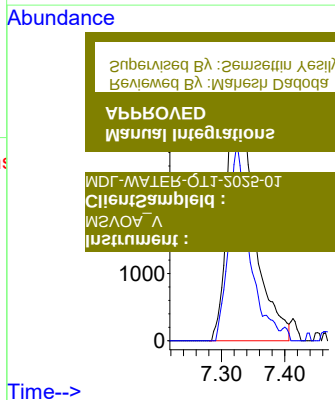
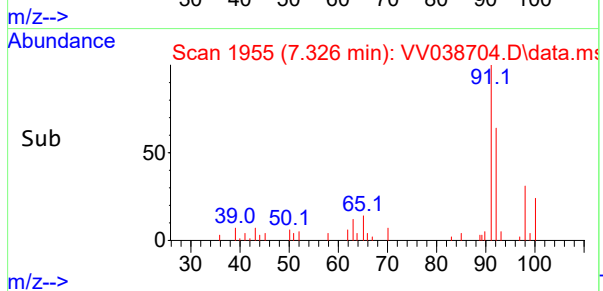
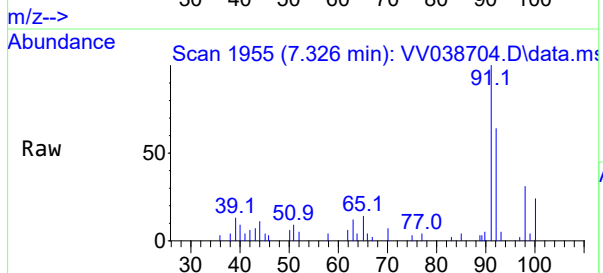
#40
4-Methyl-2-pentanone
Concen: 1.75 ug/L
RT: 7.165 min Scan# 1905
Delta R.T. 0.016 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

Tgt Ion:	43	Resp:	11802
Ion Ratio	Lower	Upper	
43	100		
58	35.6	31.1	46.7
100	0.0	12.0	18.0#



#42
Toluene
Concen: 0.23 ug/L
RT: 7.326 min Scan# 1955
Delta R.T. 0.019 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

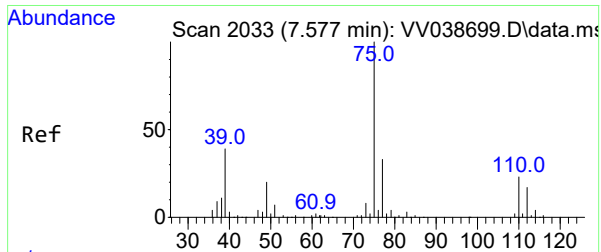
Tgt Ion:	91	Resp:	11922
Ion Ratio	Lower	Upper	
91	100		
92	63.7	39.3	72.9



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Reviewed by: Marnie Dabodg 03/14/2025

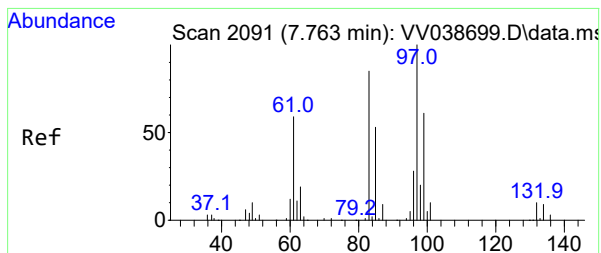
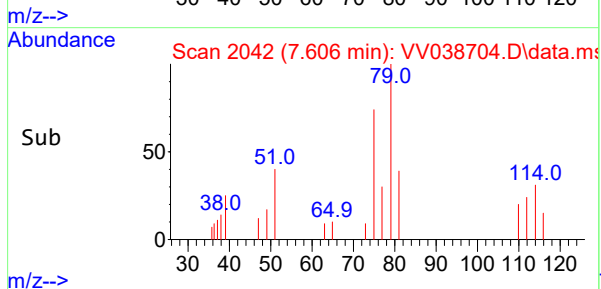
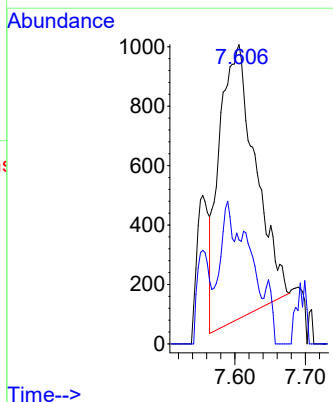
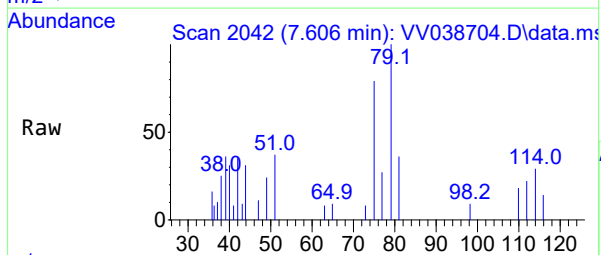
APPROVED
Manual integrations

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



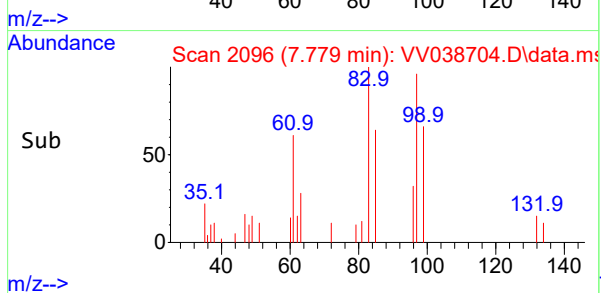
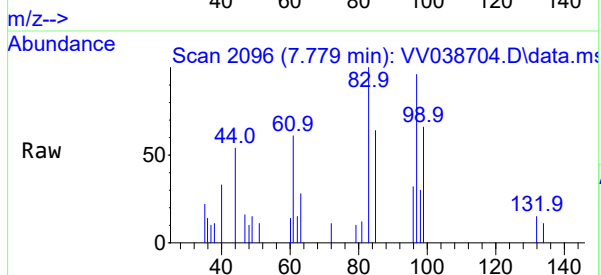
#44
trans-1,3-Dichloropropene
Concen: 0.22 ug/L
RT: 7.606 min Scan# 2042
Delta R.T. 0.029 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

Tgt Ion: 75 Resp: 3293
Ion Ratio Lower Upper
75 100
77 34.8 21.4 39.8



#45
1,1,2-Trichloroethane
Concen: 0.20 ug/L
RT: 7.779 min Scan# 2096
Delta R.T. 0.016 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

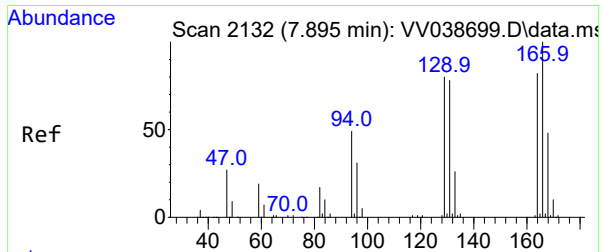
Tgt Ion: 97 Resp: 2058
Ion Ratio Lower Upper
97 100
99 68.5 42.7 79.3
83 103.8 57.2 106.2
85 66.6 37.0 68.8



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Reviewed by: [Signature] 03/14/2025

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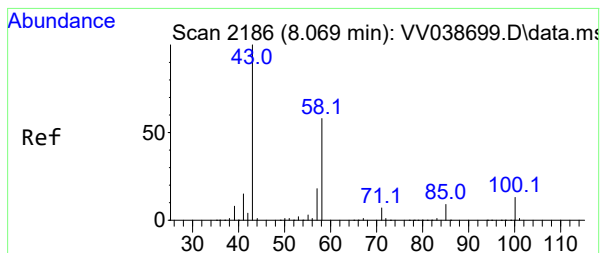
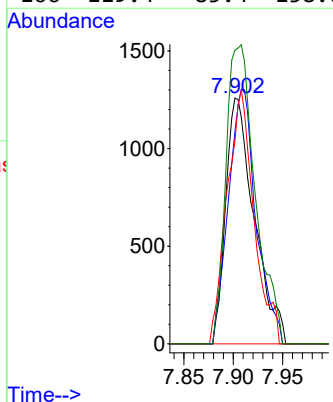
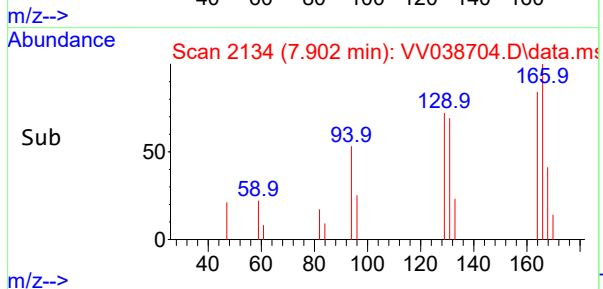
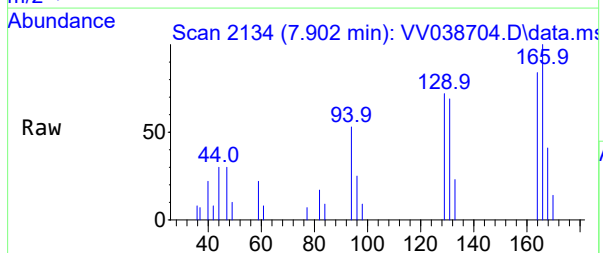
600
MDT-WATER-011-5052-01
Client Sample ID:
MS/MS
Instrument:



#47
Tetrachloroethene
Concen: 0.25 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.006 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

Tgt Ion: 164 Resp: 2523

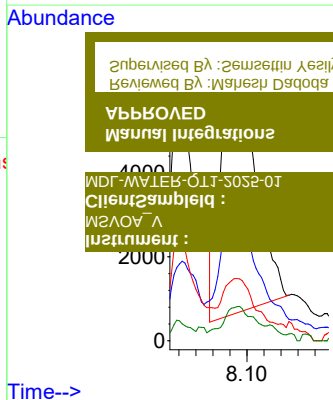
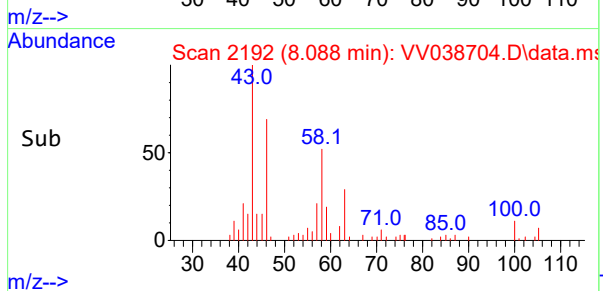
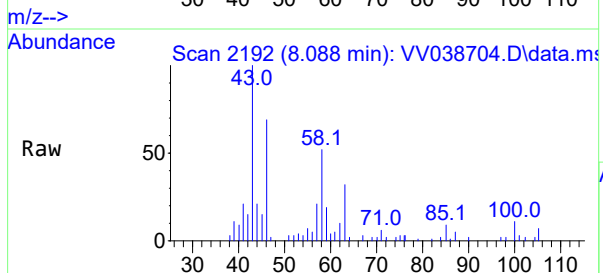
Ion	Ratio	Lower	Upper
164	100		
129	86.3	66.3	123.1
131	82.5	63.2	117.4
166	119.4	85.4	158.6



#48
2-Hexanone
Concen: 3.65 ug/L
RT: 8.088 min Scan# 2192
Delta R.T. 0.019 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

Tgt Ion: 43 Resp: 17599

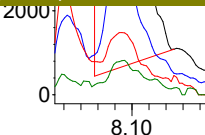
Ion	Ratio	Lower	Upper
43	100		
58	59.3	46.1	69.1
57	23.9	15.0	22.6#
100	7.5	10.5	15.7#

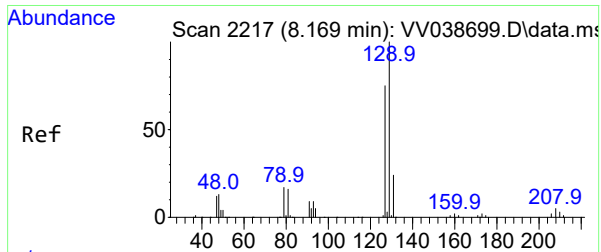


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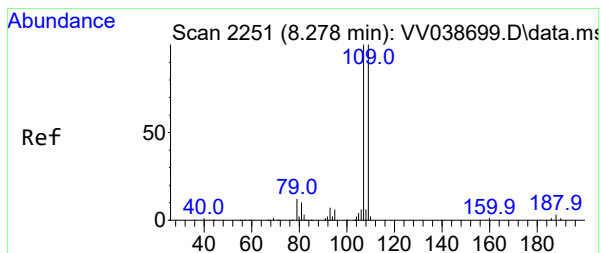
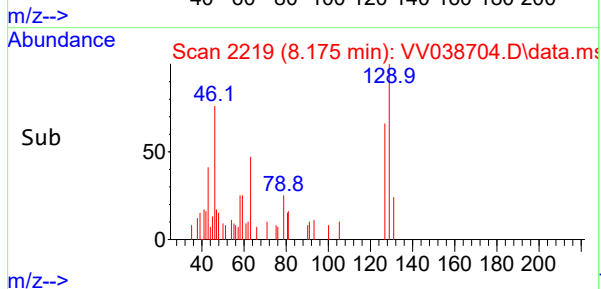
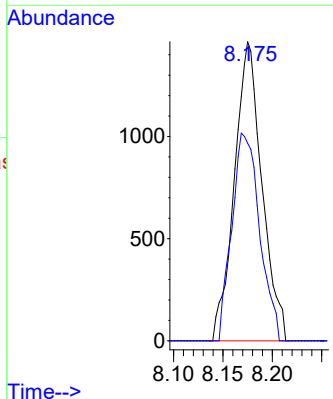
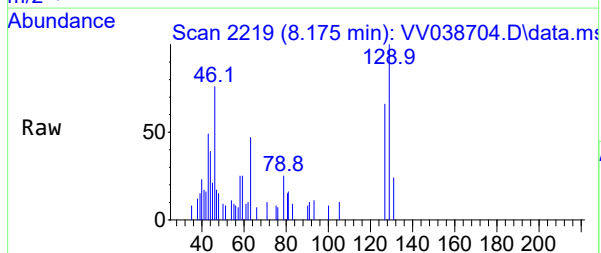
MDT-MATEB-011-5052-01
Client Sample:
MS/MS
Instrument:





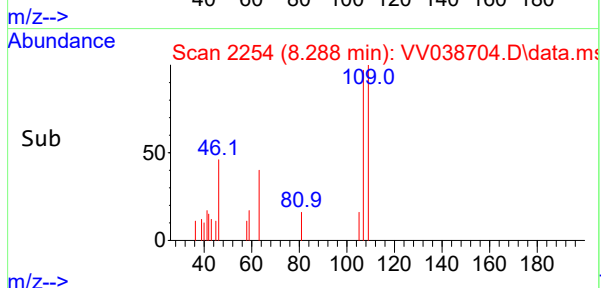
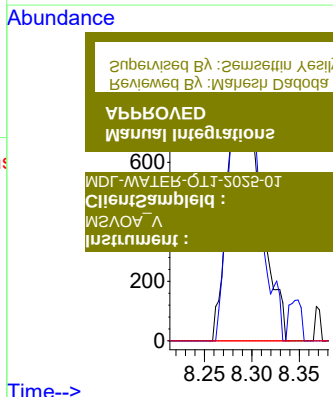
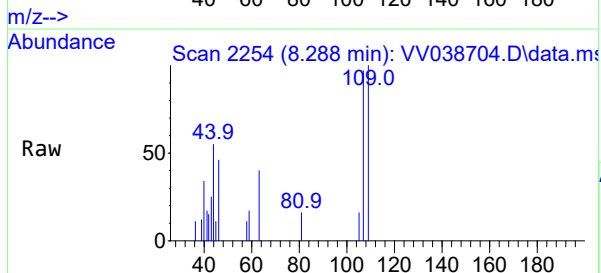
#49
Dibromochloromethane
Concen: 0.25 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.006 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

Tgt Ion:129 Resp: 2837
Ion Ratio Lower Upper
129 100
127 66.1 53.5 99.3



#50
1,2-Dibromoethane
Concen: 0.23 ug/L
RT: 8.288 min Scan# 2254
Delta R.T. 0.010 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

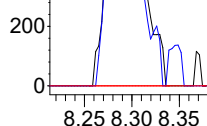
Tgt Ion:107 Resp: 2112
Ion Ratio Lower Upper
107 100
109 103.0 70.2 130.4
188 0.0 2.8 4.2#

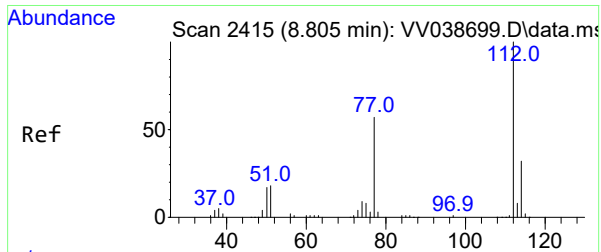


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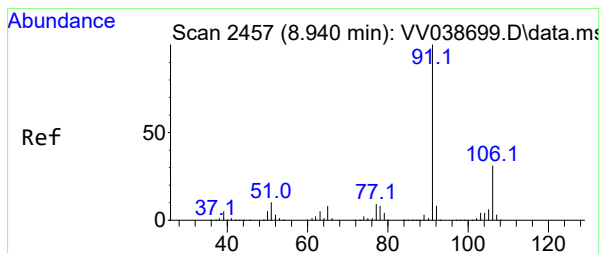
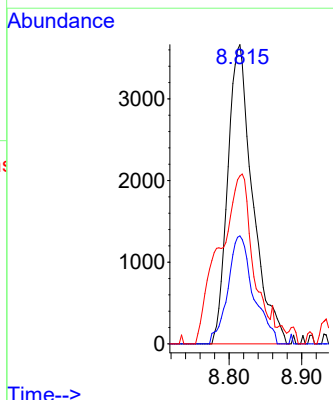
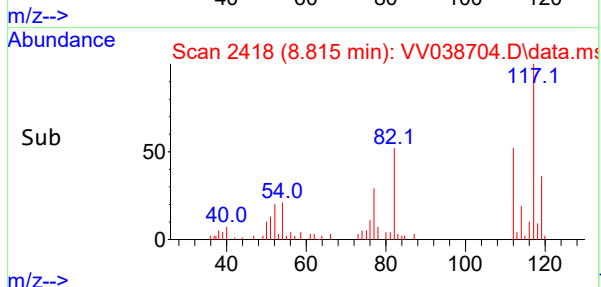
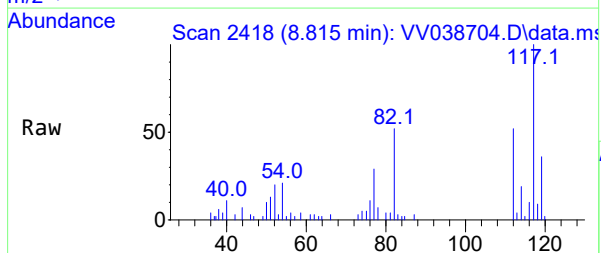
600
MDT-WATER-011-5052-01
Client Sample :
MS/MS
Instrument :





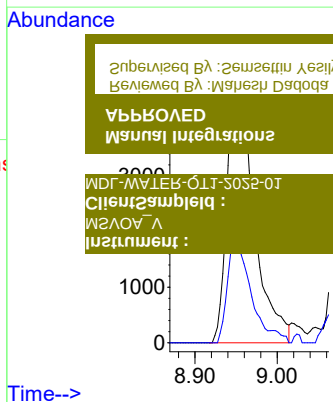
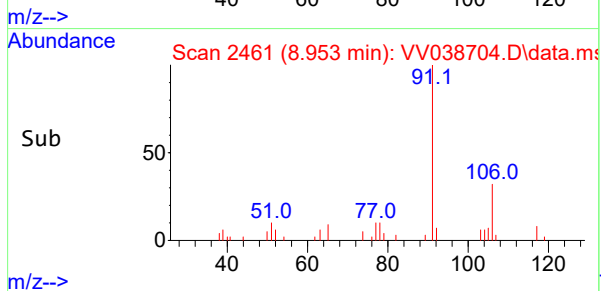
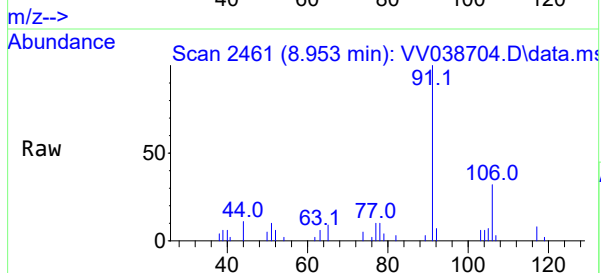
#51
Chlorobenzene
Concen: 0.25 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. 0.010 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

Tgt Ion:	112	Resp:	8744
Ion Ratio	Lower	Upper	
112	100		
114	36.1	22.6	42.0
77	56.1	47.0	70.6



#52
Ethylbenzene
Concen: 0.20 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.013 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

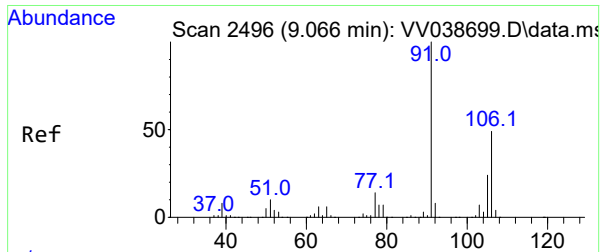
Tgt Ion:	91	Resp:	11362
Ion Ratio	Lower	Upper	
91	100		
106	32.3	21.3	39.6



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Reviewed by: Marnie Dabodg 03/14/2025

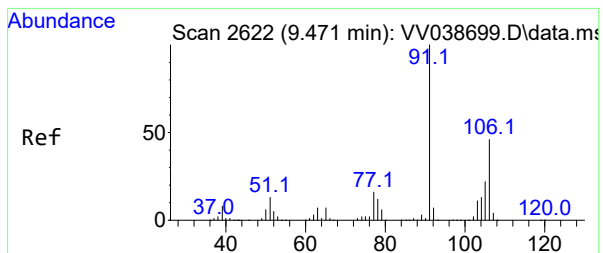
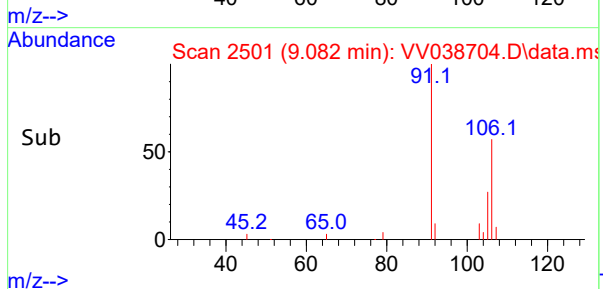
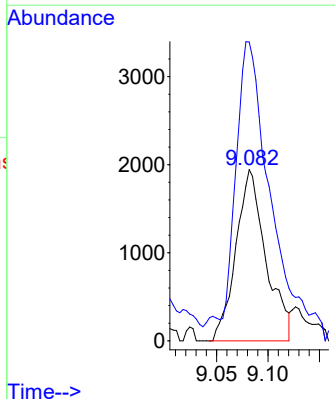
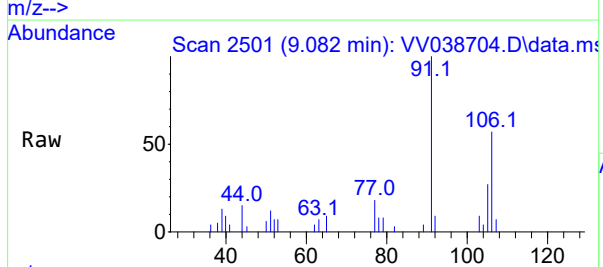
APPROVED
Manual integrations

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



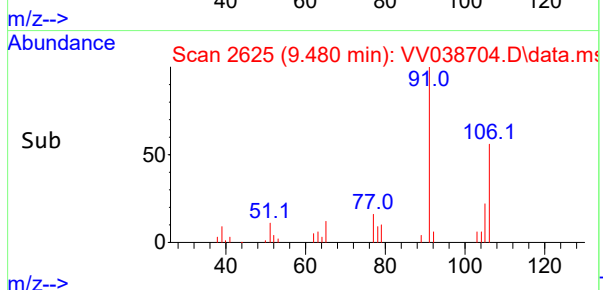
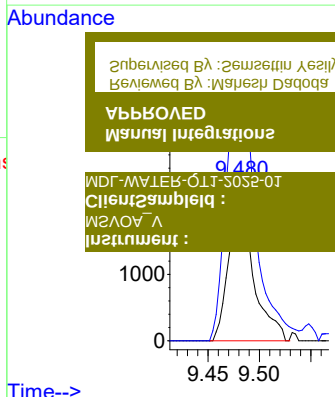
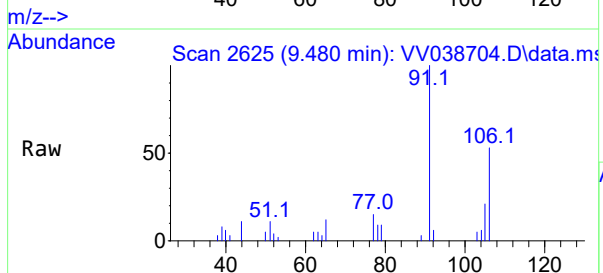
#53
m,p-Xylene
Concen: 0.19 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.016 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

Tgt Ion:106 Resp: 3944
Ion Ratio Lower Upper
106 100
91 174.4 146.3 271.7



#54
o-Xylene
Concen: 0.19 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.010 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

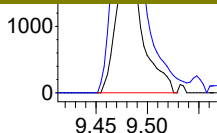
Tgt Ion:106 Resp: 3822
Ion Ratio Lower Upper
106 100
91 187.2 150.8 280.0

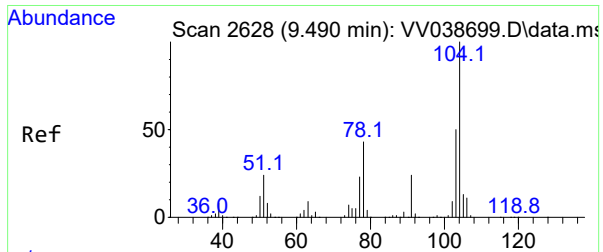


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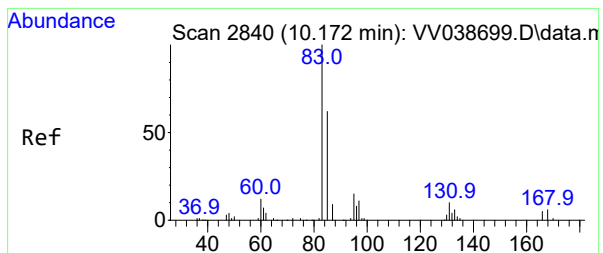
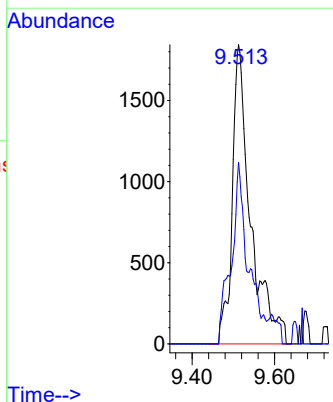
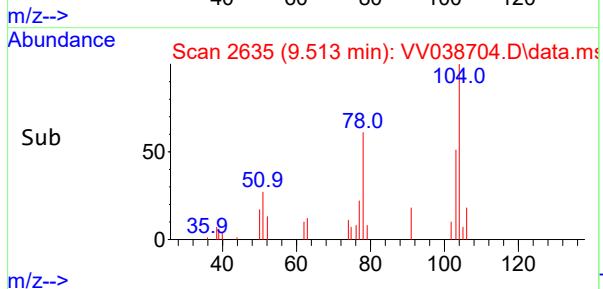
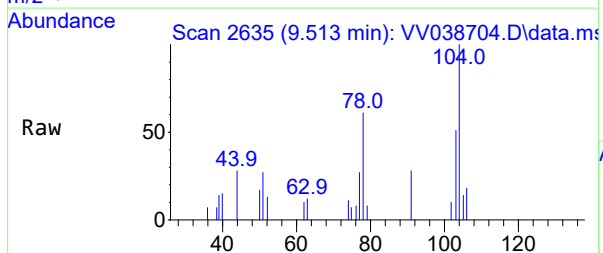
MDT-MATEB-01T-5052-01
Client Sample ID:
MS/MS
Instrument:





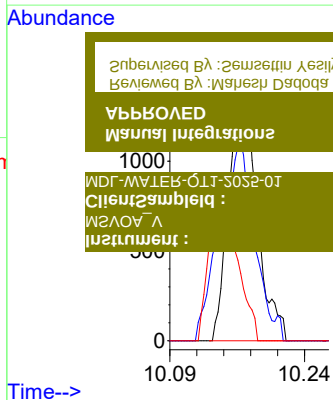
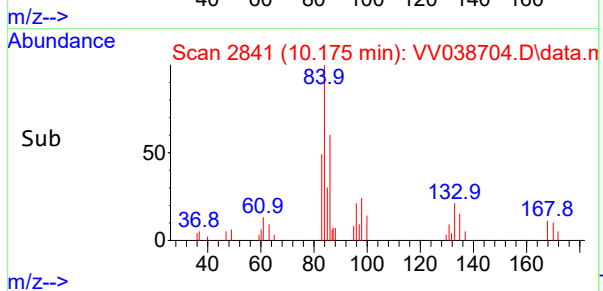
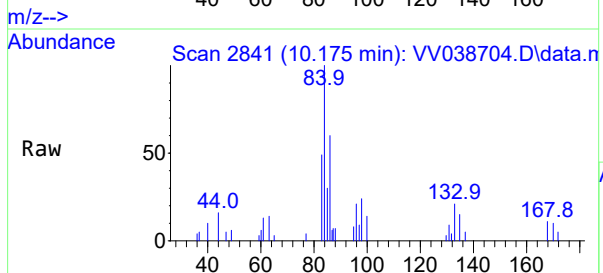
#55
Styrene
Concen: 0.17 ug/L m
RT: 9.513 min Scan# 2635
Delta R.T. 0.022 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

Tgt Ion: 104 Resp: 5658
Ion Ratio Lower Upper
104 100
78 60.6 30.5 56.7#



#57
1,1,2,2-Tetrachloroethane
Concen: 0.28 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.003 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

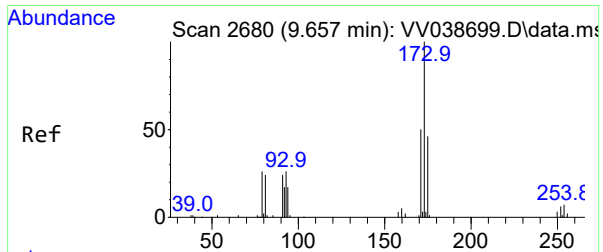
Tgt Ion: 83 Resp: 3331
Ion Ratio Lower Upper
83 100
85 62.0 46.1 85.5
131 17.3 8.5 12.7#



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Reviewed by: Marnie Dabodg 03/14/2025

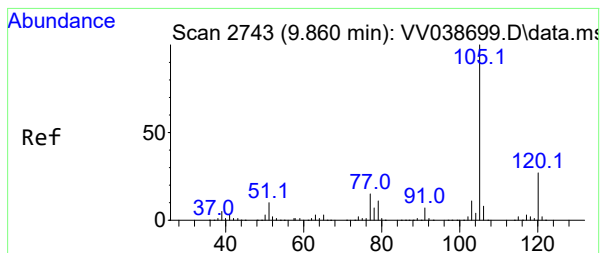
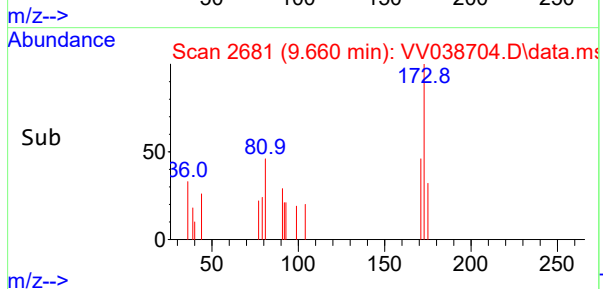
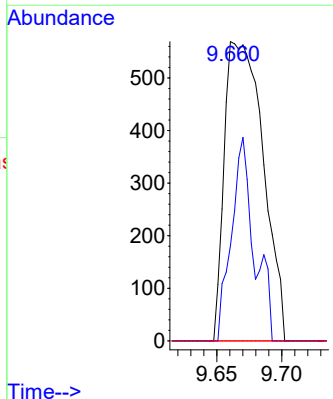
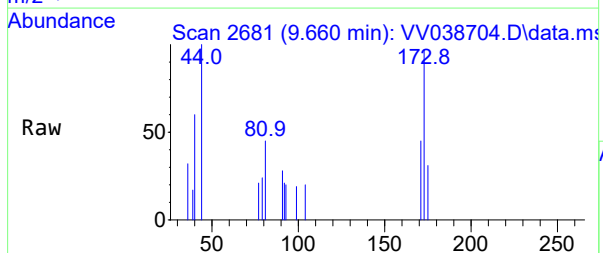
APPROVED
Manual integrations

1000
MDT-MATEB-011-5052-01
Client Sample ID:
MS/MS
Instrument:



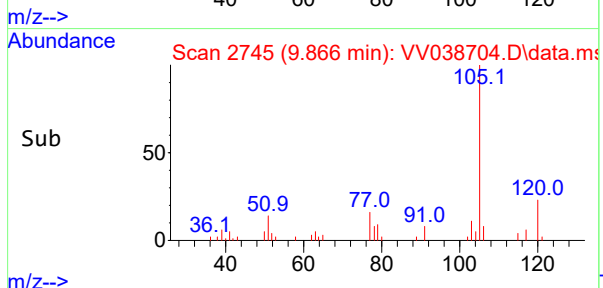
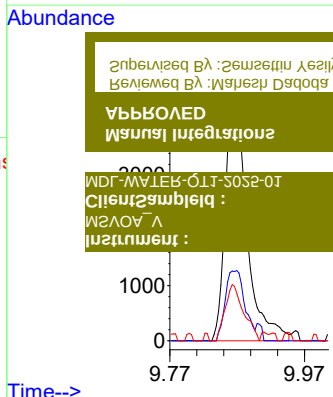
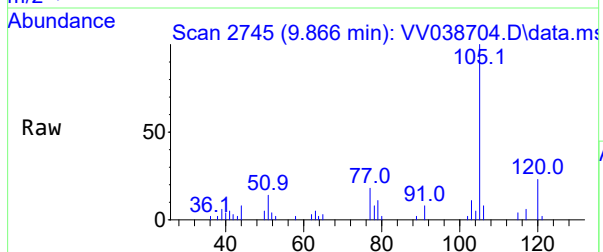
#59
Bromoform
Concen: 0.25 ug/L
RT: 9.660 min Scan# 2681
Delta R.T. 0.003 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

Tgt Ion:	173	Resp:	1176
Ion Ratio	Lower	Upper	
173	100		
175	33.0	39.5	59.3#
254	0.0	5.7	8.5#



#60
Isopropylbenzene
Concen: 0.23 ug/L
RT: 9.866 min Scan# 2745
Delta R.T. 0.006 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

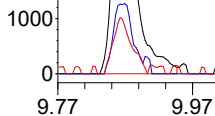
Tgt Ion:	105	Resp:	10107
Ion Ratio	Lower	Upper	
105	100		
120	24.1	21.0	31.4
77	18.4	12.2	18.4#

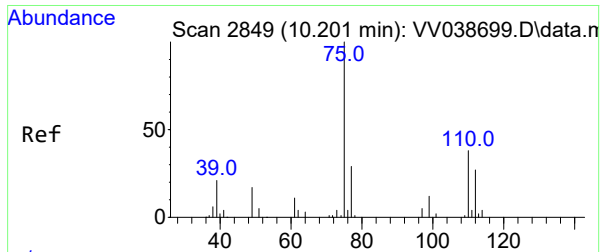


Submitted by: Jemalyn Yeghyan 03/14/2025
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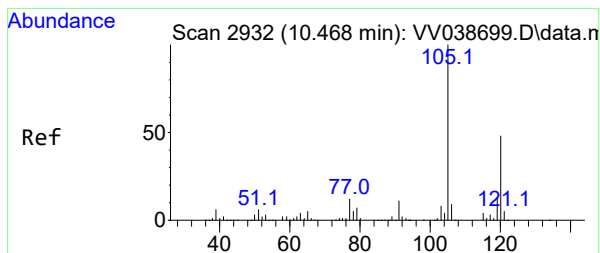
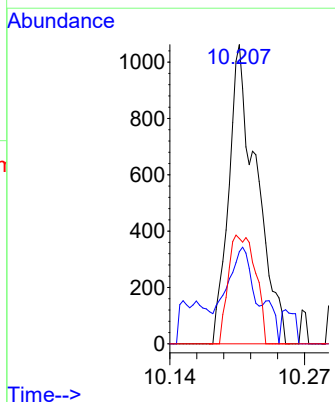
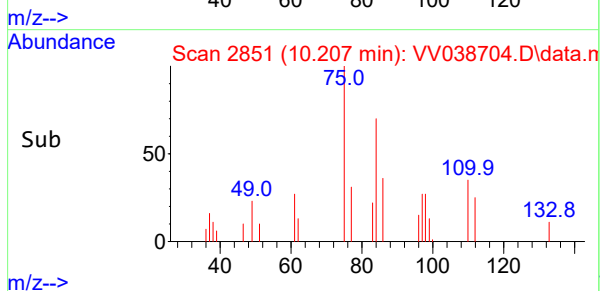
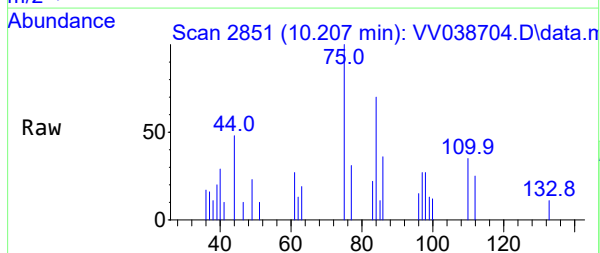
MDT-MVLEB-011-5052-01
Client Sample:
MS/MS
Instrument:





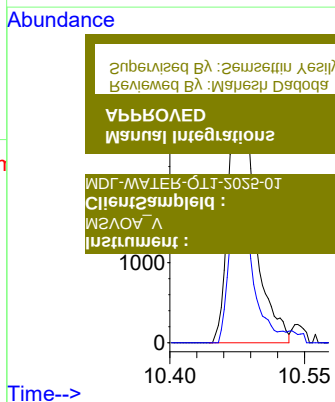
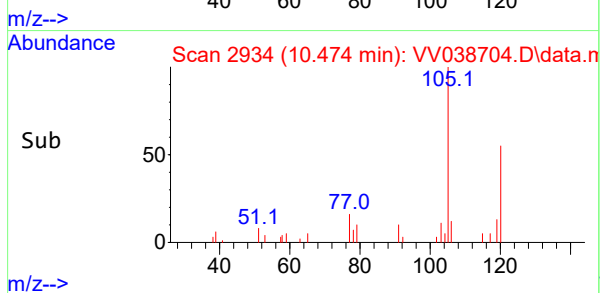
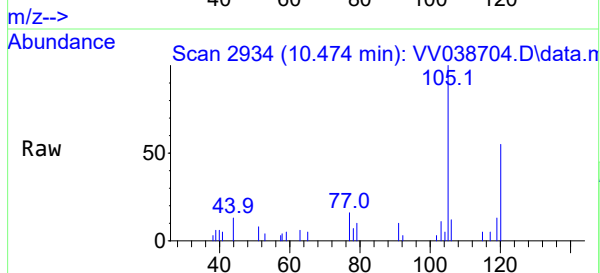
#61
1,2,3-Trichloropropane
Concen: 0.31 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.006 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

Tgt Ion: 75 Resp: 1992
Ion Ratio Lower Upper
75 100
77 16.1 25.5 38.3#
110 35.4 30.9 46.3



#62
1,3,5-Trimethylbenzene
Concen: 0.21 ug/L
RT: 10.474 min Scan# 2934
Delta R.T. 0.006 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

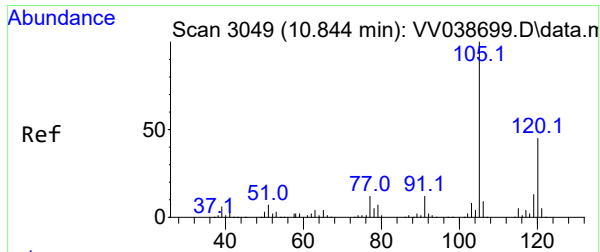
Tgt Ion: 105 Resp: 6852
Ion Ratio Lower Upper
105 100
120 50.9 38.3 57.5



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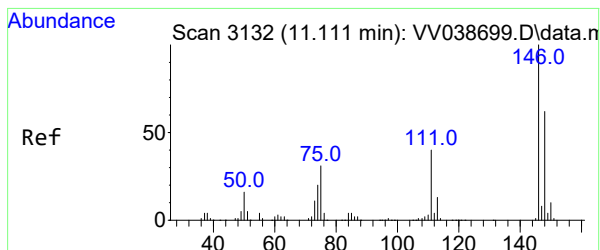
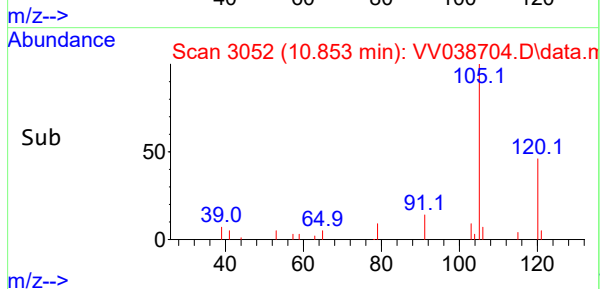
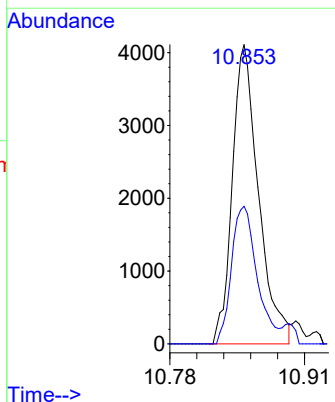
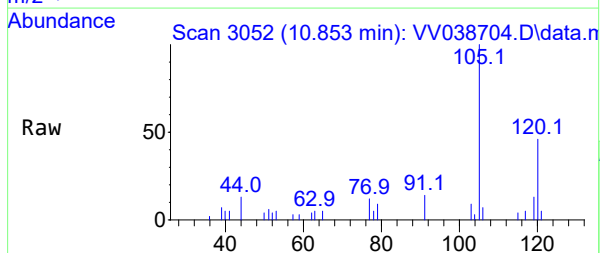
APPROVED
Manual integrations

MDT-WATER-011-5052-01
Client Sample:
MS/MS
Instrument:



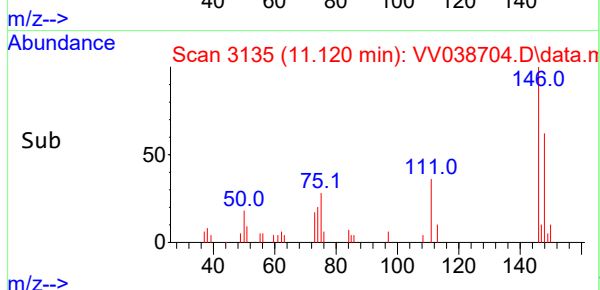
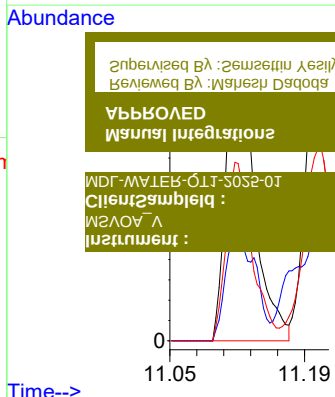
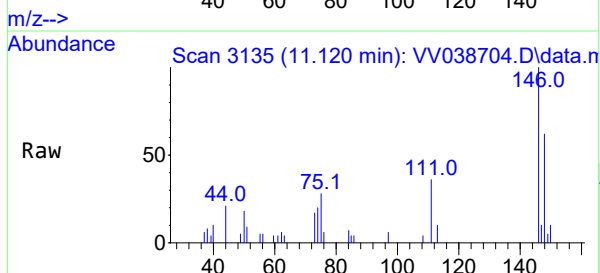
#63
1,2,4-Trimethylbenzene
Concen: 0.21 ug/L
RT: 10.853 min Scan# 3052
Delta R.T. 0.010 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

Tgt Ion:105 Resp: 6961
Ion Ratio Lower Upper
105 100
120 44.8 36.2 54.2



#64
1,3-Dichlorobenzene
Concen: 0.26 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.010 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

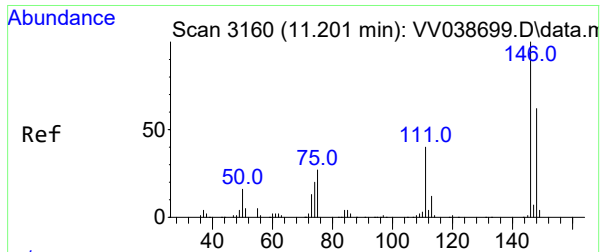
Tgt Ion:146 Resp: 5613
Ion Ratio Lower Upper
146 100
111 36.0 29.0 53.9
148 61.8 44.1 81.9



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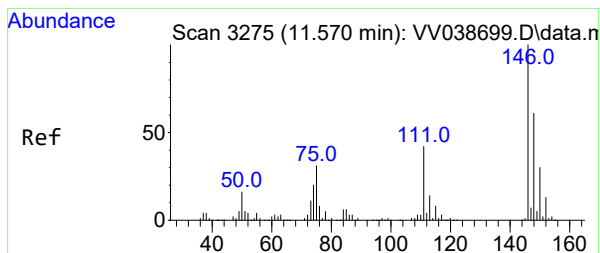
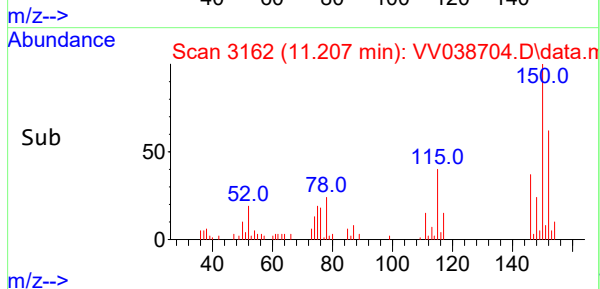
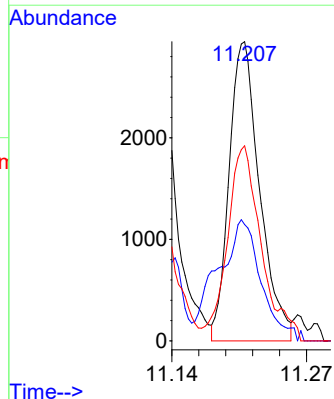
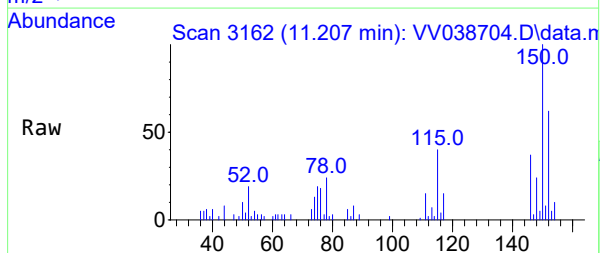
APPROVED
Manual integrations

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



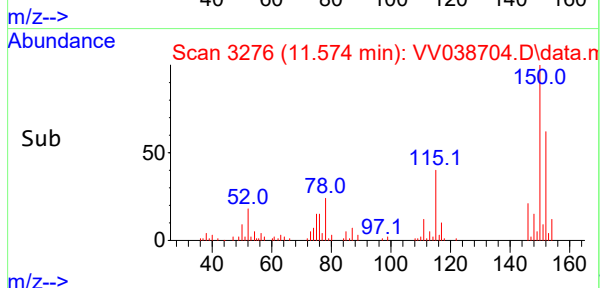
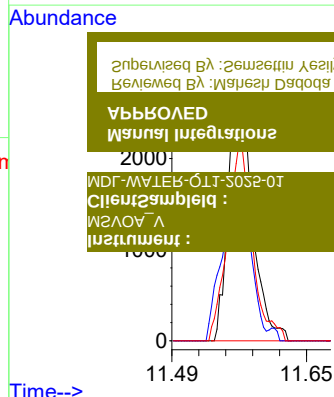
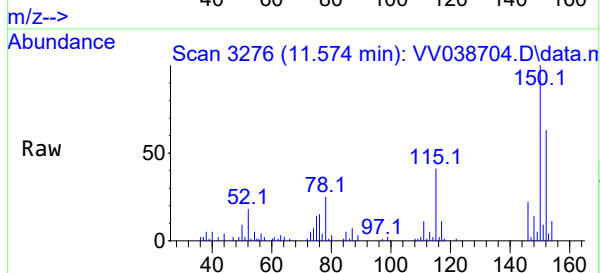
#65
1,4-Dichlorobenzene
Concen: 0.27 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.006 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

Tgt Ion:146 Resp: 6071
Ion Ratio Lower Upper
146 100
111 38.9 27.7 51.5
148 65.2 44.9 83.5



#67
1,2-Dichlorobenzene
Concen: 0.28 ug/L
RT: 11.574 min Scan# 3276
Delta R.T. 0.003 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

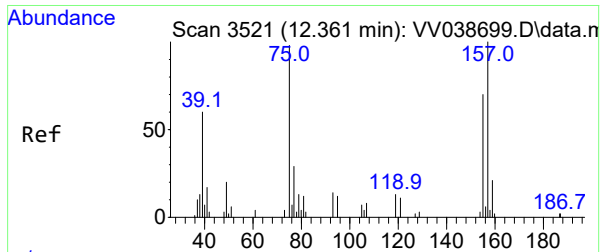
Tgt Ion:146 Resp: 5791
Ion Ratio Lower Upper
146 100
111 53.0 35.4 53.0
148 65.9 52.2 78.2



Subtracted by: 03/14/2025
Reviewed by: 03/14/2025

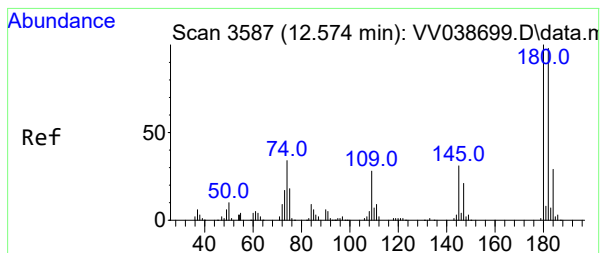
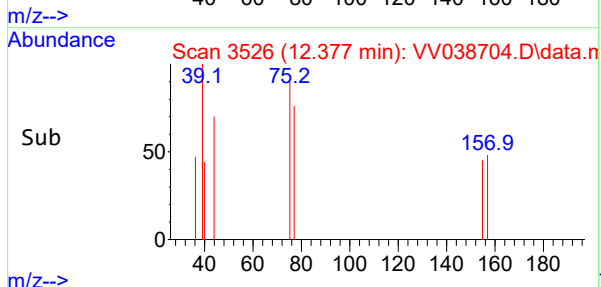
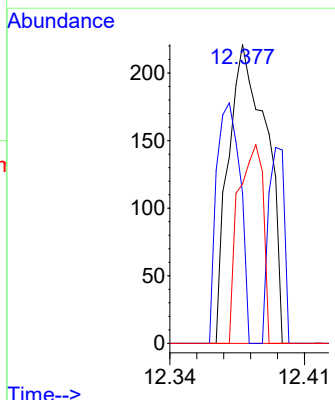
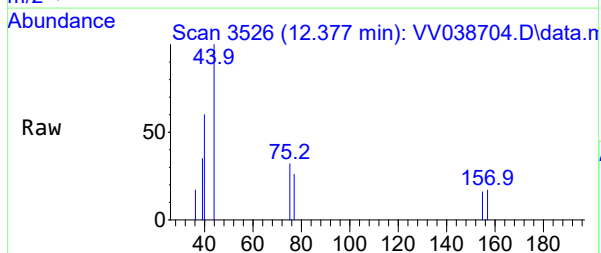
APPROVED
Manual integrations

2000
MDT-WATER-01T-S052-01
Client Sample:
MS/MS
Instrument:



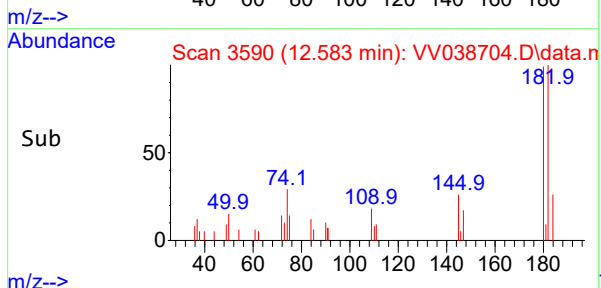
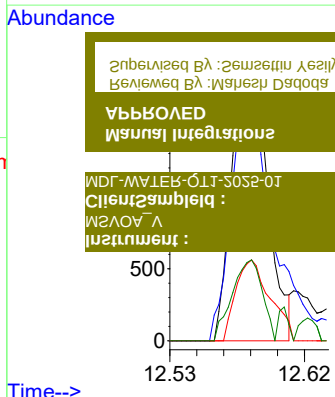
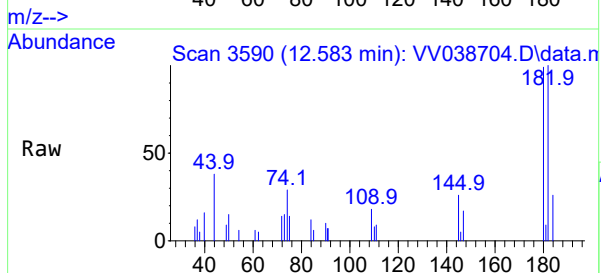
#68
1,2-Dibromo-3-chloropropane
Concen: 0.20 ug/L
RT: 12.377 min Scan# 3526
Delta R.T. 0.016 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

Tgt Ion: 75 Resp: 285
Ion Ratio Lower Upper
75 100
155 50.2 60.3 90.5#
157 53.4 76.9 115.3#



#69
1,3,5-Trichlorobenzene
Concen: 0.24 ug/L
RT: 12.583 min Scan# 3590
Delta R.T. 0.010 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

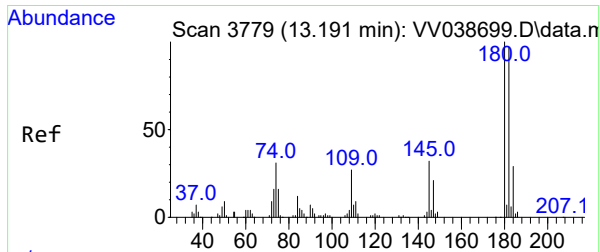
Tgt Ion: 180 Resp: 3392
Ion Ratio Lower Upper
180 100
182 107.6 75.6 113.4
184 27.1 24.1 36.1
145 23.9 24.4 36.6#



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Reviewed by: [Signature] 03/11/2025

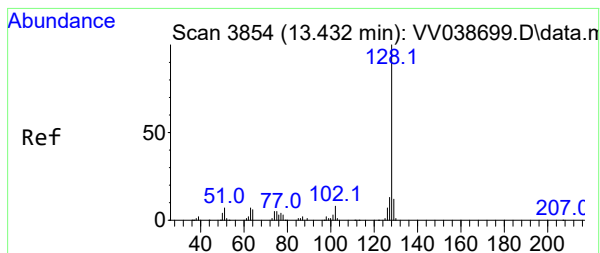
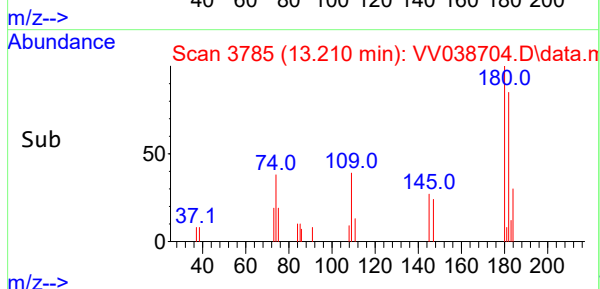
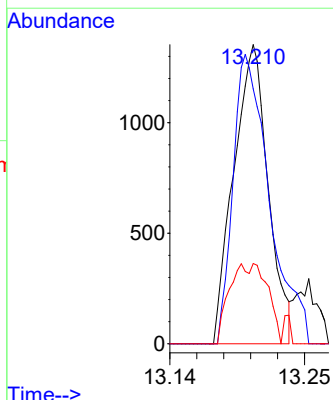
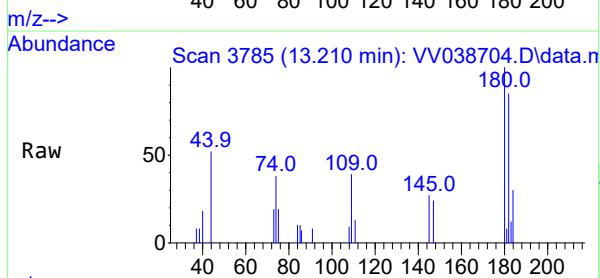
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Manual integrations

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



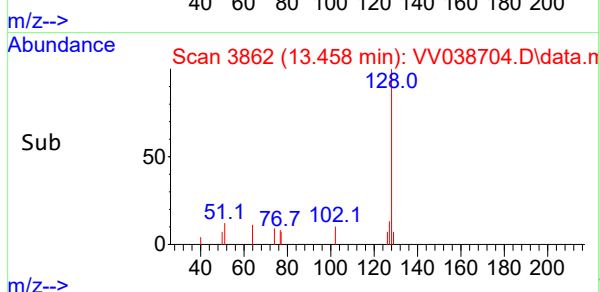
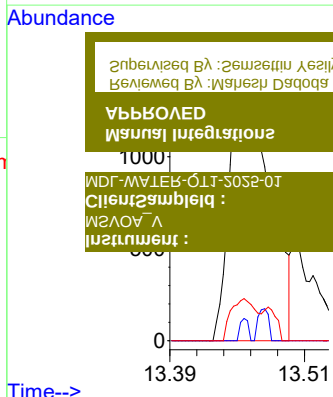
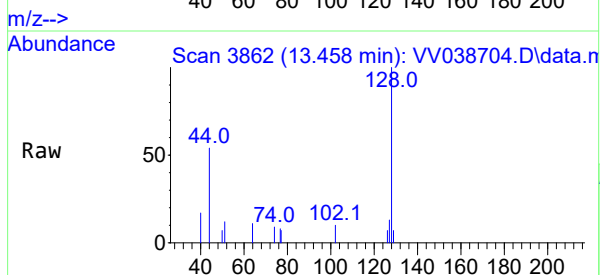
#70
1,2,4-trichlorobenzene
Concen: 0.24 ug/L
RT: 13.210 min Scan# 3785
Delta R.T. 0.019 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

Tgt Ion:180 Resp: 2615
Ion Ratio Lower Upper
180 100
182 102.4 76.6 115.0
145 16.2 26.0 39.0#



#71
Naphthalene
Concen: 0.24 ug/L
RT: 13.458 min Scan# 3862
Delta R.T. 0.026 min
Lab File: VV038704.D
Acq: 13 Mar 2025 15:23

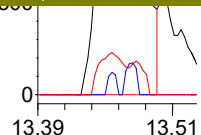
Tgt Ion:128 Resp: 3855
Ion Ratio Lower Upper
128 100
129 1.7 7.6 11.4#
127 9.9 10.9 16.3#

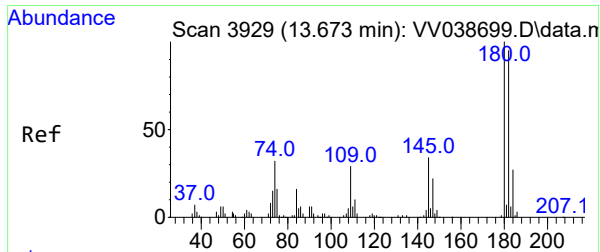


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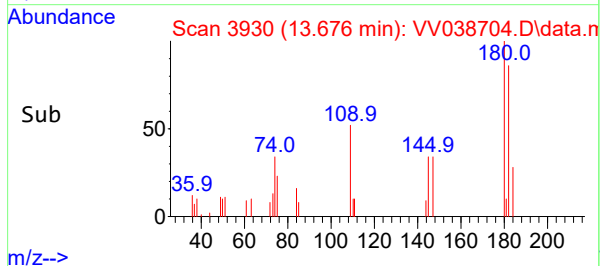
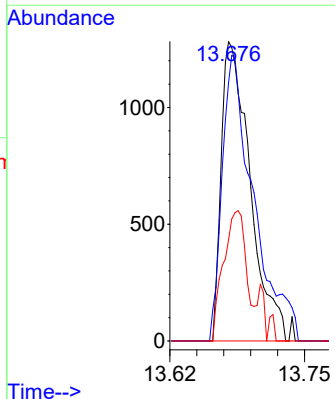
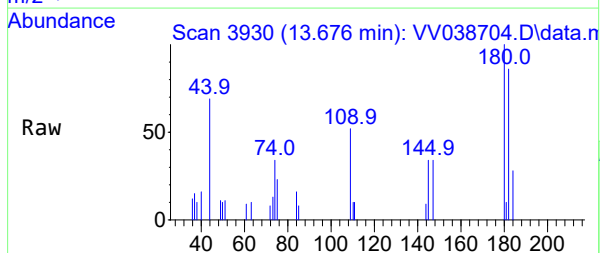
MDT-WATER-011-2025-01
Client Sample ID:
MS/MS
Instrument:





#72
 1,2,3-Trichlorobenzene
 Concen: 0.25 ug/L
 RT: 13.676 min Scan# 3930
 Delta R.T. 0.003 min
 Lab File: VV038704.D
 Acq: 13 Mar 2025 15:23

Tgt Ion:180 Resp: 2597
 Ion Ratio Lower Upper
 180 100
 182 104.3 76.0 114.0
 145 34.5 28.4 42.6



Supervised by : Jemette Yessilyut 03/14/2025
 Reviewed by : Marnesh Dabodg 03/14/2025

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 Manual Integrations

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