

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031825\
 Data File : VV038728.D
 Acq On : 18 Mar 2025 10:48
 Operator : SY/MD
 Sample : Q1546-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 19 08:13:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 19 08:10:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	361635	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	391724	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	165953	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	161046	44.23	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	88.46%	
7) Chloroethane-d5	1.529	69	139100	45.58	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	91.16%	
11) 1,1-Dichloroethene-d2	2.056	65	72318	44.29	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	88.58%	
21) 2-Butanone-d5	3.786	46	119724	91.29	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	91.29%	
24) Chloroform-d	4.239	84	303872	46.17	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	92.34%	
26) 1,2-Dichloroethane-d4	4.934	65	188168	49.14	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	98.28%	
32) Benzene-d6	4.950	84	587257	47.35	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	94.70%	
36) 1,2-Dichloropropane-d6	5.982	67	197255	49.25	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	98.50%	
41) Toluene-d8	7.236	98	480226	44.57	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	89.14%	
43) trans-1,3-Dichloroprop...	7.548	79	73965	44.81	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	89.62%	
47) 2-Hexanone-d5	8.021	63	75731	91.40	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	106.80%	
56) 1,1,2,2-Tetrachloroeth...	10.143	84	229495			
Spiked Amount	50.000	Range 65 - 120	Recovery	=	106.80%	
66) 1,2-Dichlorobenzene-d4	11.551	152	169158			
Spiked Amount	50.000	Range 80 - 120	Recovery	=	106.80%	
Target Compounds						
2) Dichlorodifluoromethane	1.105	85	6604			
3) Chloromethane	1.214	50	9220	2.52	ug/L	95
5) Vinyl chloride	1.281	62	8977	2.37	ug/L #	53
6) Bromomethane	1.484	94	4946	2.49	ug/L	97
8) Chloroethane	1.548	64	5884	2.43	ug/L	96
9) Trichlorofluoromethane	1.712	101	11758	2.44	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	8579	2.97	ug/L #	87
12) 1,1-Dichloroethene	2.063	96	8942m	3.29	ug/L	
13) Acetone	2.108	43	6116	4.75	ug/L	97
14) Carbon disulfide	2.236	76	20319	2.41	ug/L	99
15) Methyl Acetate	2.387	43	6902m	2.68	ug/L	
17) trans-1,2-Dichloroethene	2.693	96	6400	2.24	ug/L	88
18) Methyl tert-butyl Ether	2.703	73	15851	1.97	ug/L #	87
19) 1,1-Dichloroethane	3.111	63	14483	2.41	ug/L	97
20) cis-1,2-Dichloroethene	3.825	96	7114m	2.28	ug/L	
22) 2-Butanone	3.934	43	9411m	6.21	ug/L	
23) Bromochloromethane	4.166	128	3972m	2.37	ug/L	
27) 1,2-Dichloroethane	5.063	62	8768	2.03	ug/L	98
29) Cyclohexane	4.580	56	9552	1.98	ug/L #	85

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

APPROVED
 Manual Integrations

MDT-WED-2011-011-5052-05
 Client Sample ID :
 MS/MS
 Instrument :

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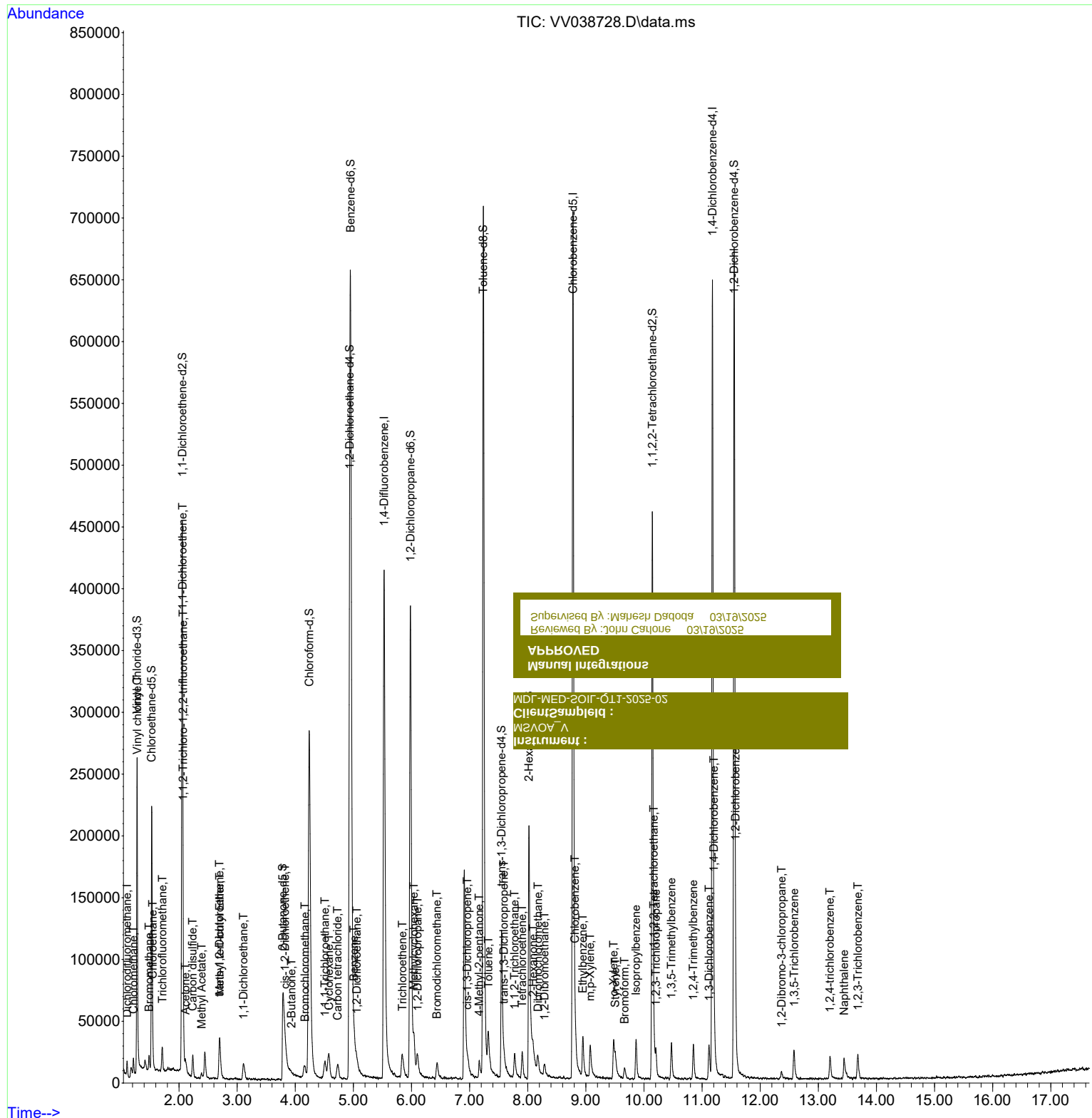
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 19 08:10:26 2025
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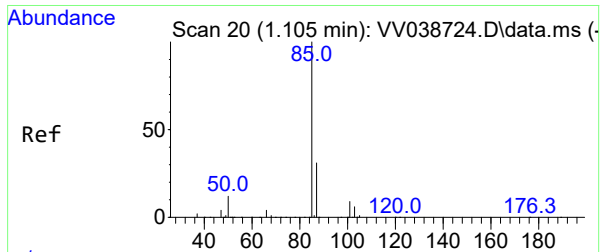
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	4.513	97	10518	2.10	ug/L #	89
31) Carbon tetrachloride	4.728	117	9842m	2.28	ug/L	
33) Benzene	5.011	78	24485	1.97	ug/L	100
34) Trichloroethene	5.844	95	7978m	2.49	ug/L	
35) Methylcyclohexane	6.043	83	7240	1.54	ug/L #	66
37) 1,2-Dichloropropane	6.104	63	7115	2.05	ug/L #	95
38) Bromodichloromethane	6.439	83	9566	2.10	ug/L	97
39) cis-1,3-Dichloropropene	6.960	75	11213m	2.26	ug/L	
40) 4-Methyl-2-pentanone	7.165	43	10136m	3.29	ug/L	
42) Toluene	7.323	91	29812	2.35	ug/L	96
44) trans-1,3-Dichloropropene	7.590	75	9674	2.06	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	7407m	2.27	ug/L	
46) Tetrachloroethene	7.905	164	4750	2.09	ug/L	93
48) 2-Hexanone	8.091	43	12364	5.79	ug/L #	65
49) Dibromochloromethane	8.175	129	7043	2.16	ug/L	98
50) 1,2-Dibromoethane	8.288	107	7086	2.23	ug/L #	99
51) Chlorobenzene	8.812	112	19007	2.19	ug/L	98
52) Ethylbenzene	8.947	91	24106	1.72	ug/L	95
53) m,p-Xylene	9.075	106	7464	1.47	ug/L	93
54) o-Xylene	9.480	106	8125	1.64	ug/L	88
55) Styrene	9.506	104	12239	1.41	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.169	83	11642	2.39	ug/L #	94
59) Bromoform	9.667	173	3741	2.43	ug/L #	92
60) Isopropylbenzene	9.863	105	20862	2.00	ug/L	97
61) 1,2,3-Trichloropropane	10.207	75	7592	2.74	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	15552	1.92	ug/L	96
63) 1,2,4-Trimethylbenzene	10.850	105	15078	1.84	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	11680	Reviewed By: Marybeth DeBodra 03/19/2025 Reviewed By: John Carione 03/19/2025 APPROVED Manual integrations 2.38 ug/L # 90 MDT-WED-2011-011-2025-05 Client Sample ID : MS/MS Instrument :		
65) 1,4-Dichlorobenzene	11.201	146	12938			
67) 1,2-Dichlorobenzene	11.574	146	13724			
68) 1,2-Dibromo-3-chloropr...	12.368	75	2293			
69) 1,3,5-Trichlorobenzene	12.583	180	7676	Reviewed By: Marybeth DeBodra 03/19/2025 Reviewed By: John Carione 03/19/2025 APPROVED Manual integrations 2.38 ug/L # 90 MDT-WED-2011-011-2025-05 Client Sample ID : MS/MS Instrument :		
70) 1,2,4-trichlorobenzene	13.201	180	5337			
71) Naphthalene	13.445	128	16315			
72) 1,2,3-Trichlorobenzene	13.680	180	5768			

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

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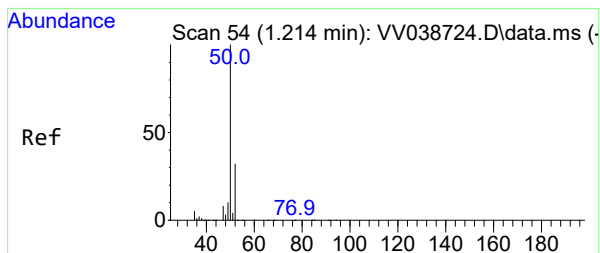
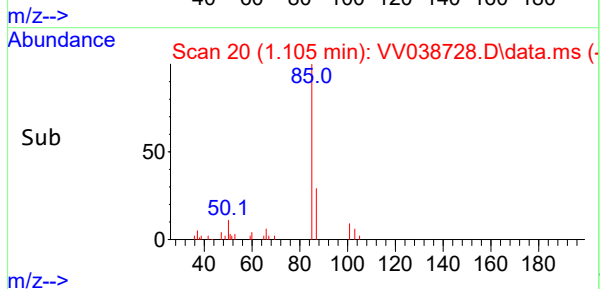
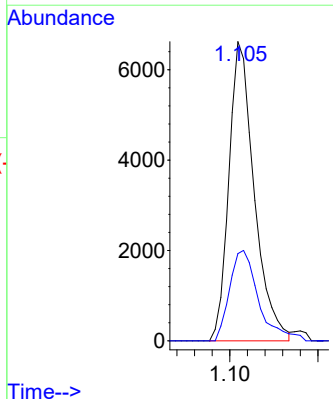
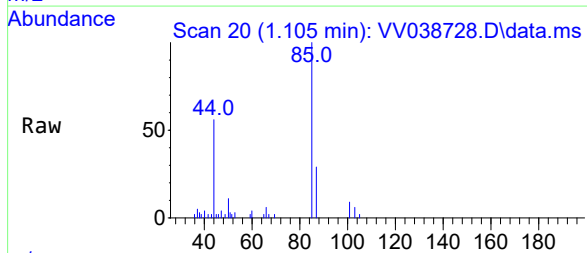
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 19 08:10:26 2025
Response via : Initial Calibration





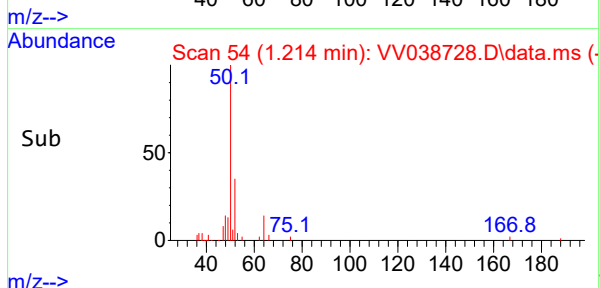
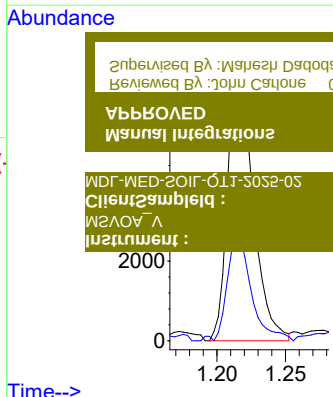
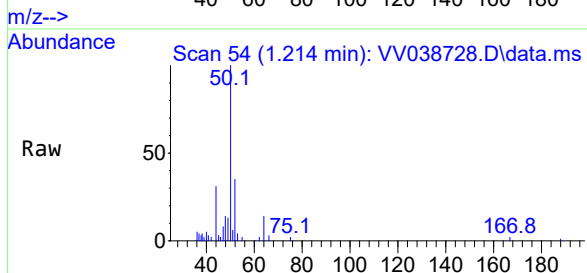
#2
Dichlorodifluoromethane
Concen: 2.35 ug/L
RT: 1.105 min Scan# 20
Delta R.T. -0.000 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion: 85 Resp: 6604
Ion Ratio Lower Upper
85 100
87 34.6 25.8 38.6



#3
Chloromethane
Concen: 2.52 ug/L
RT: 1.214 min Scan# 54
Delta R.T. -0.000 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

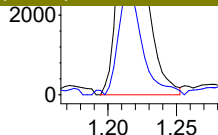
Tgt Ion: 50 Resp: 9220
Ion Ratio Lower Upper
50 100
52 35.4 22.7 42.3

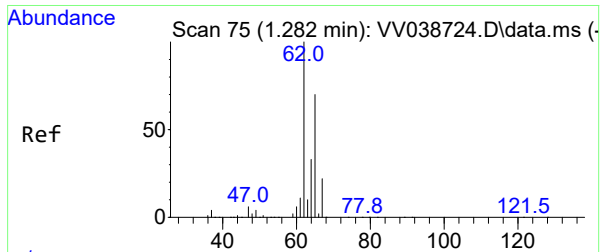


Submitted by: Magesh Dabodra 03/18/2025
Reviewed by: John C. Jones 03/18/2025

APPROVED
Manual Integrations

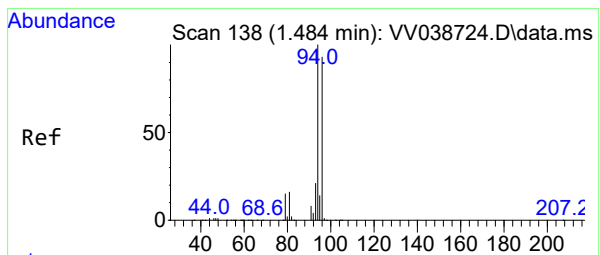
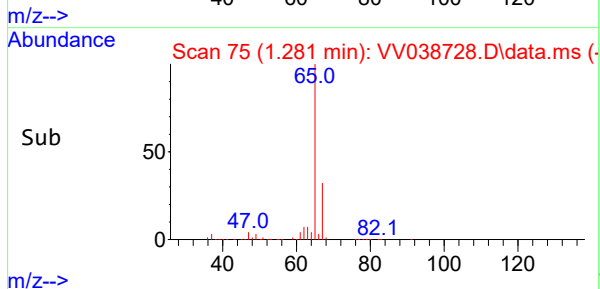
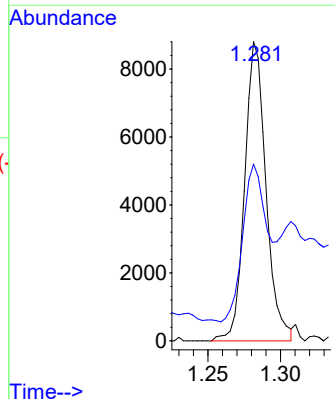
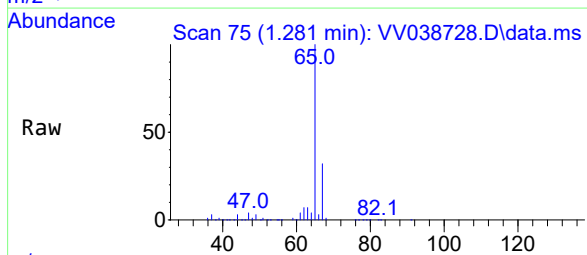
MDT-WED-2011-01T-2025-05
Client Sample ID:
MS/MS
Instrument:





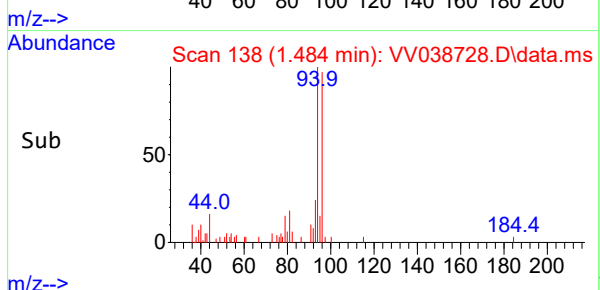
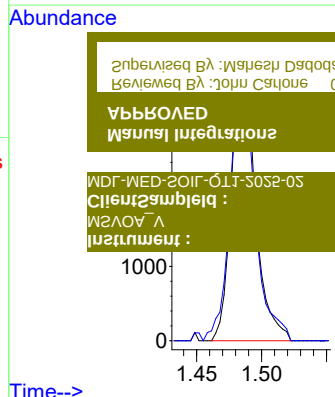
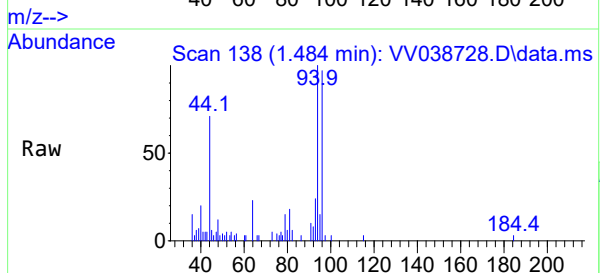
#5
 Vinyl chloride
 Concen: 2.37 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV038728.D
 Acq: 18 Mar 2025 10:48

Tgt Ion: 62 Resp: 8977
 Ion Ratio Lower Upper
 62 100
 64 59.1 22.8 42.4#



#6
 Bromomethane
 Concen: 2.49 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV038728.D
 Acq: 18 Mar 2025 10:48

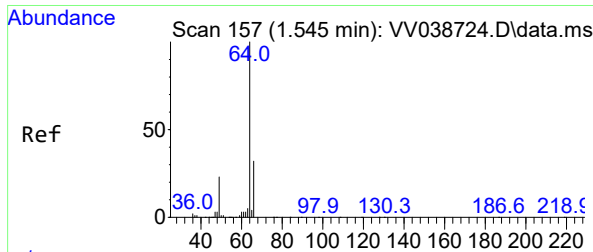
Tgt Ion: 94 Resp: 4946
 Ion Ratio Lower Upper
 94 100
 96 97.0 66.1 122.8



Submitted by: Mafresh Dabodga 03/18/2025
 Reviewed by: John C. Hogue 03/18/2025

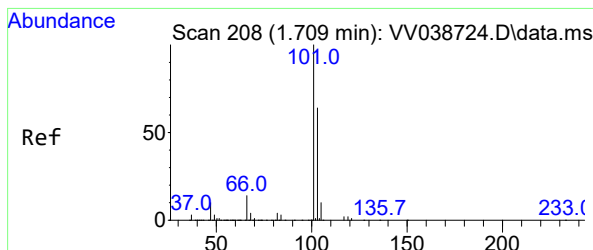
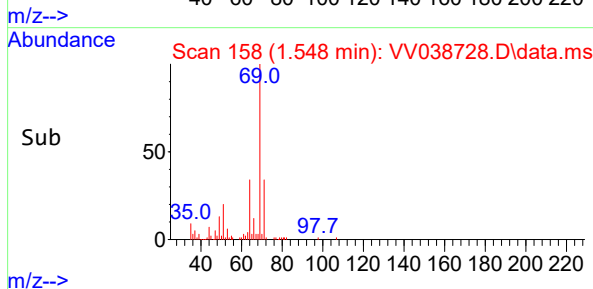
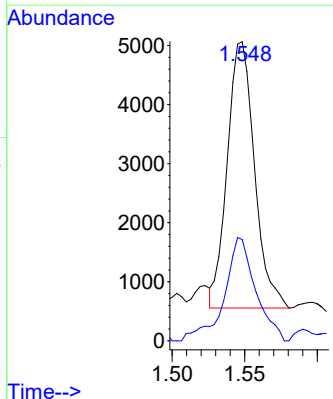
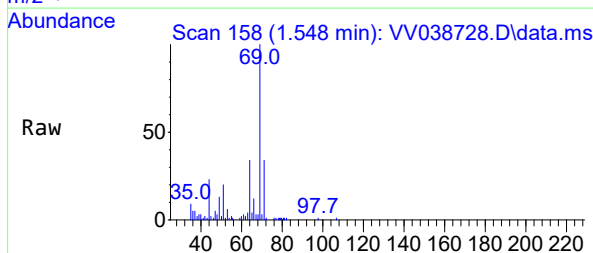
APPROVED
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MDT-WED-2011-011-2025-05
 Client Sampled:
 M2/04/21
 Instrument:



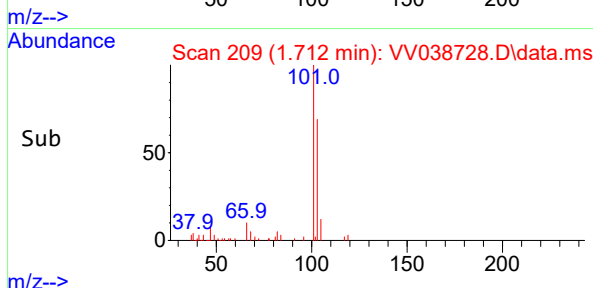
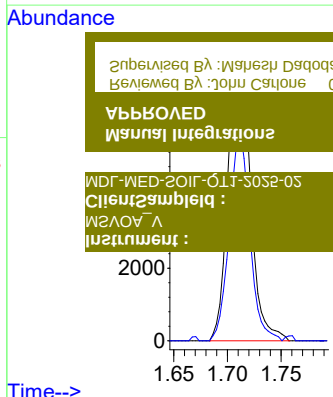
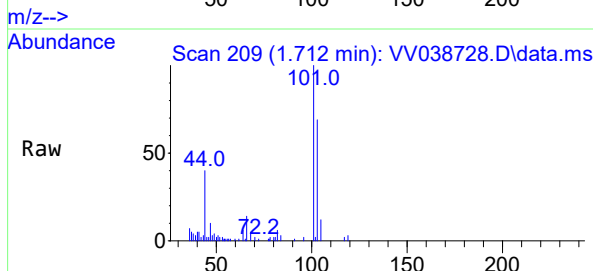
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Chloroethane
Concen: 2.43 ug/L
RT: 1.548 min Scan# 158
Delta R.T. 0.003 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion: 64 Resp: 5884
Ion Ratio Lower Upper
64 100
66 33.9 22.3 41.5



#9
Trichlorofluoromethane
Concen: 2.44 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.003 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

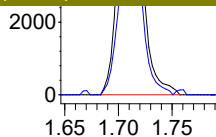
Tgt Ion: 101 Resp: 11758
Ion Ratio Lower Upper
101 100
103 64.9 51.7 77.5

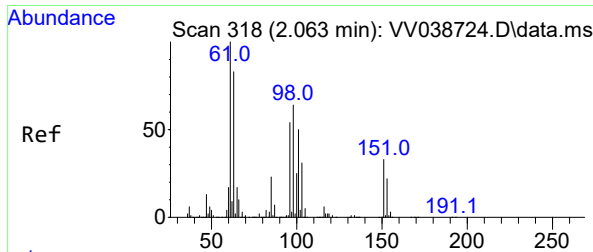


Submitted by: Mafresh Daboba 03/18/2025
Reviewed by: John Catione 03/18/2025

APPROVED
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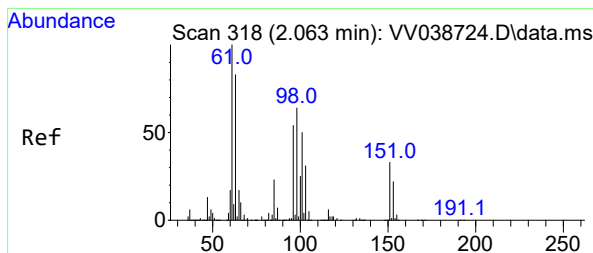
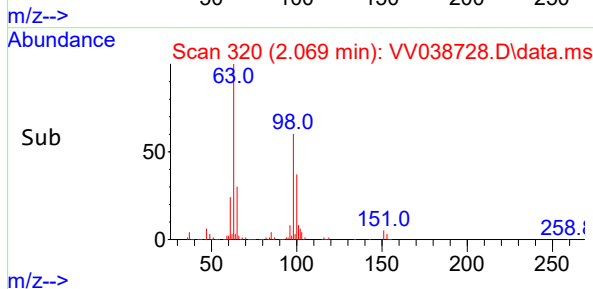
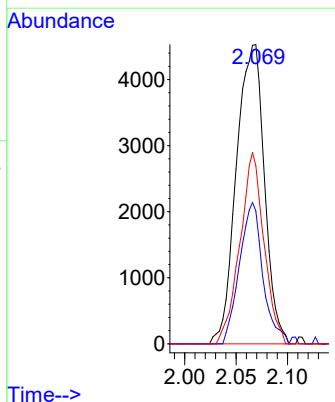
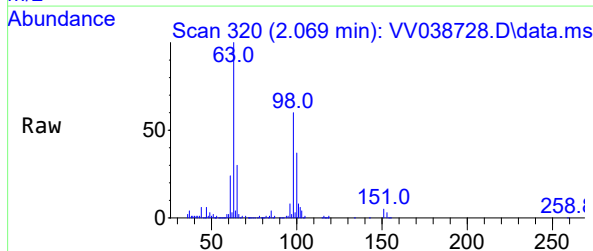
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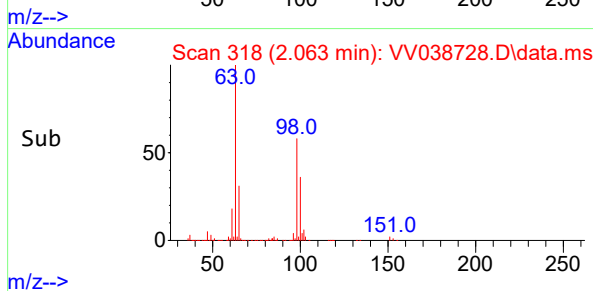
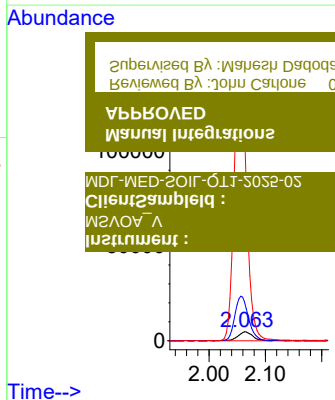
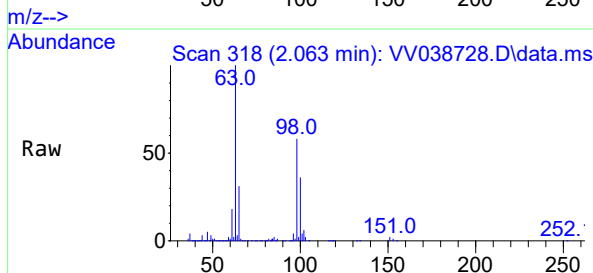
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.97 ug/L
RT: 2.069 min Scan# 320
Delta R.T. 0.006 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion: 101 Resp: 8579
Ion Ratio Lower Upper
101 100
85 39.5 34.7 52.1
151 54.9 55.3 82.9#



#12
1,1-Dichloroethene
Concen: 3.29 ug/L m
RT: 2.063 min Scan# 318
Delta R.T. -0.000 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

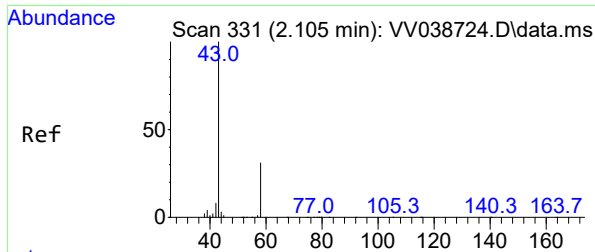
Tgt Ion: 96 Resp: 8942
Ion Ratio Lower Upper
96 100
61 433.5 120.9 224.5#
63 2377.3 110.9 205.9#



Submitted by : Manish Dabode 03/18/2025
Reviewed by : John Catione 03/18/2025

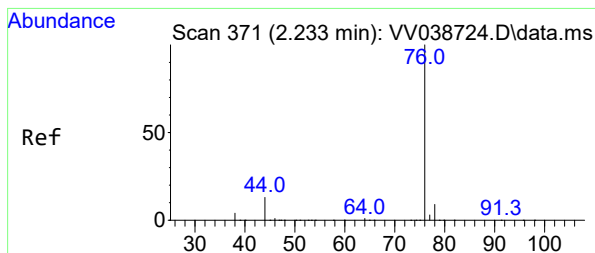
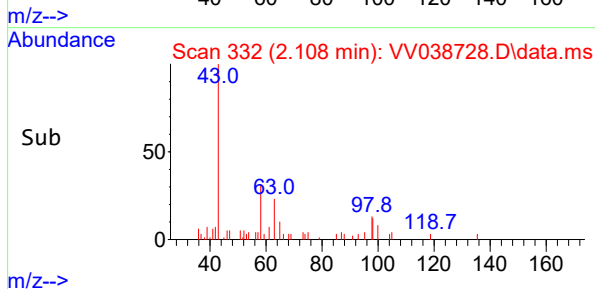
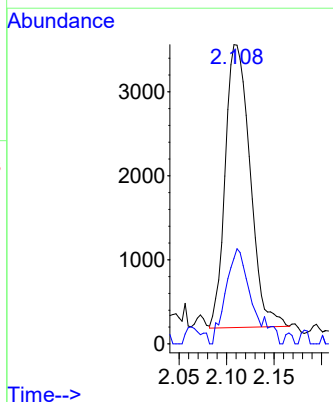
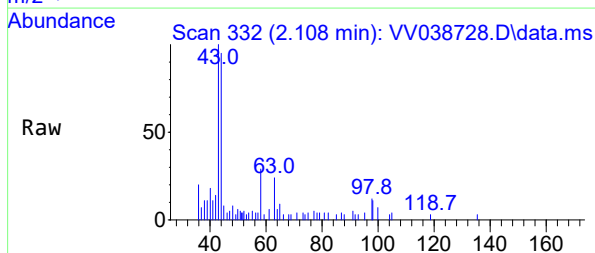
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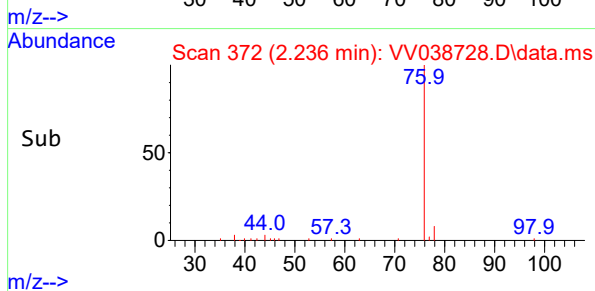
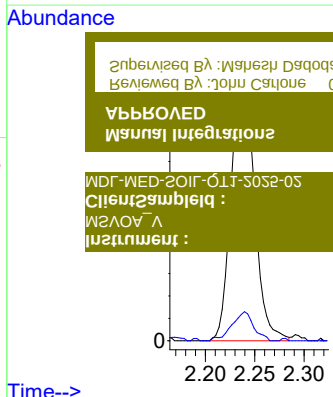
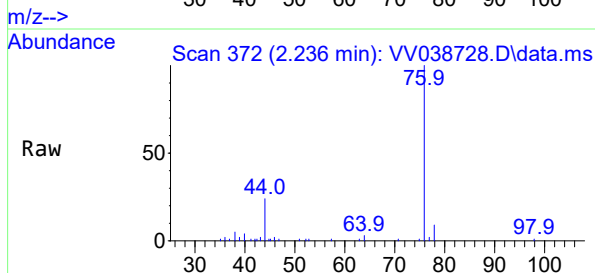
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Acetone
Concen: 4.75 ug/L
RT: 2.108 min Scan# 332
Delta R.T. 0.003 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion: 43 Resp: 6116
Ion Ratio Lower Upper
43 100
58 31.8 0.0 67.2



#14
Carbon disulfide
Concen: 2.41 ug/L
RT: 2.236 min Scan# 372
Delta R.T. 0.003 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

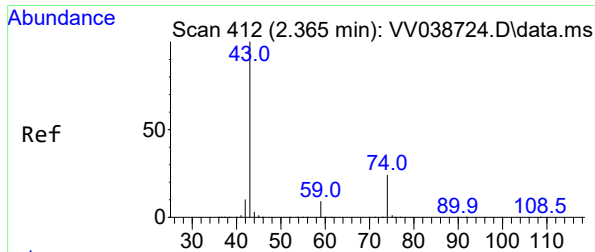
Tgt Ion: 76 Resp: 20319
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0



Submitted by : Manish Dabode 03/18/2025
Reviewed by : John Carone 03/18/2025

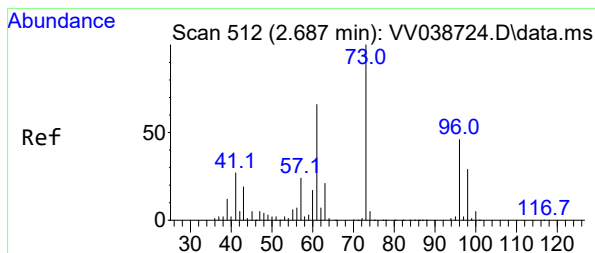
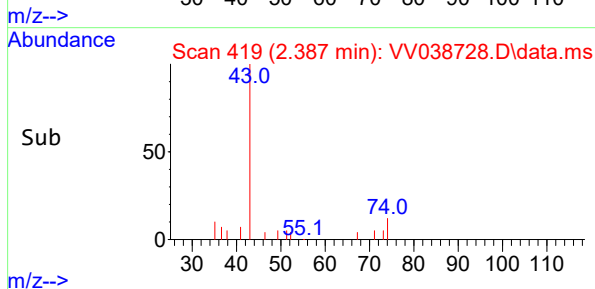
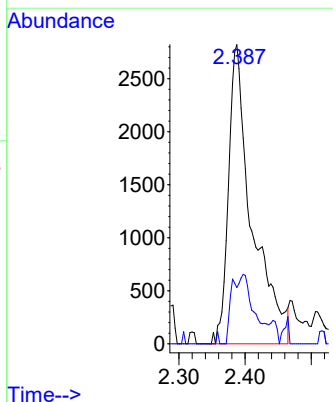
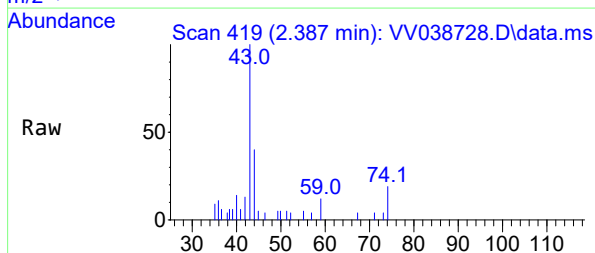
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Client Sampled :
MS/MS
Instrument :



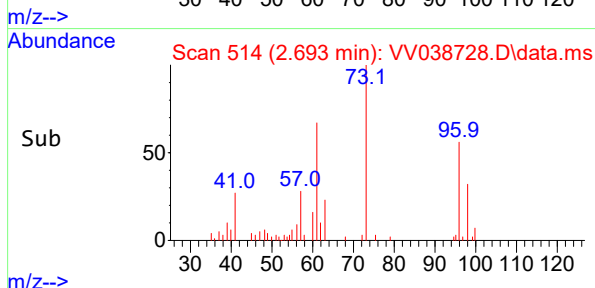
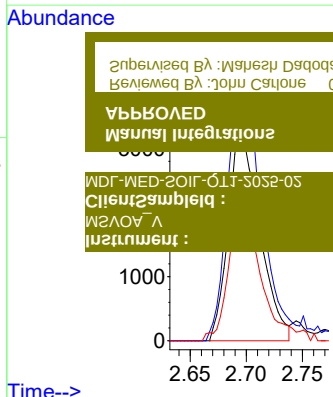
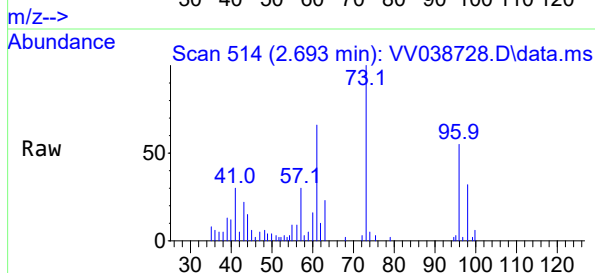
#15
Methyl Acetate
Concen: 2.68 ug/L m
RT: 2.387 min Scan# 419
Delta R.T. 0.022 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion: 43 Resp: 6902
Ion Ratio Lower Upper
43 100
74 0.0 20.6 31.0#



#17
trans-1,2-Dichloroethene
Concen: 2.24 ug/L
RT: 2.693 min Scan# 514
Delta R.T. 0.006 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

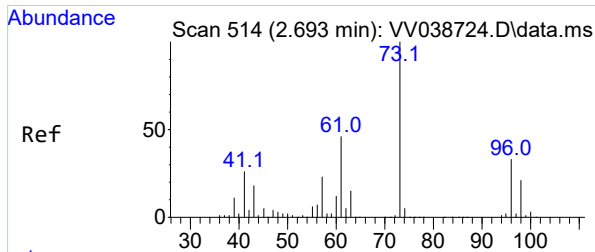
Tgt Ion: 96 Resp: 6400
Ion Ratio Lower Upper
96 100
61 120.6 95.7 177.7
98 58.2 46.4 86.2



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

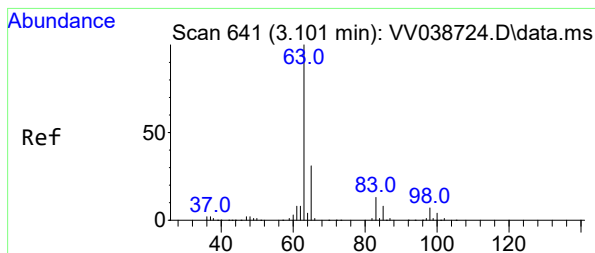
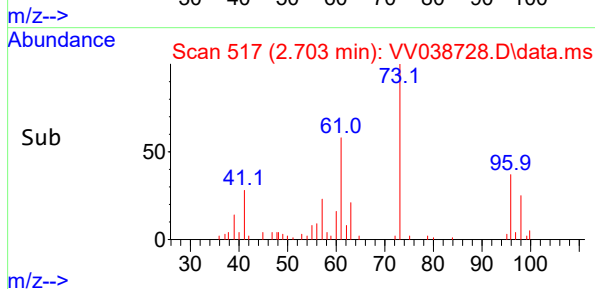
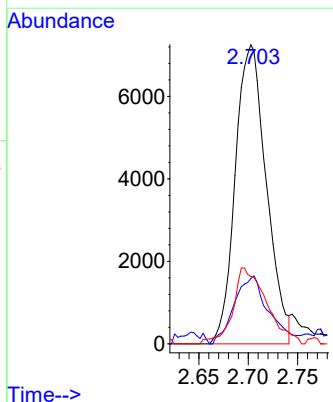
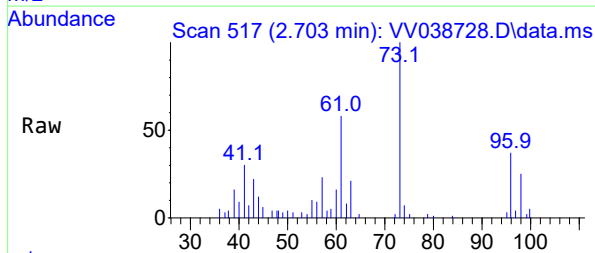
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MDT-WED-2011-01T-2025-05
Client Sample ID :
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Instrument :



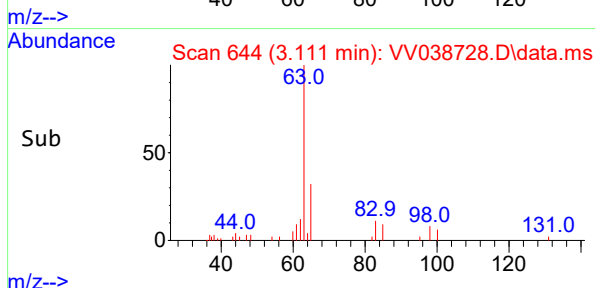
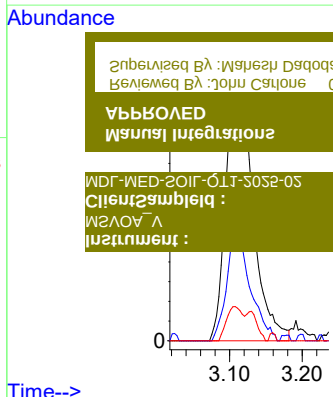
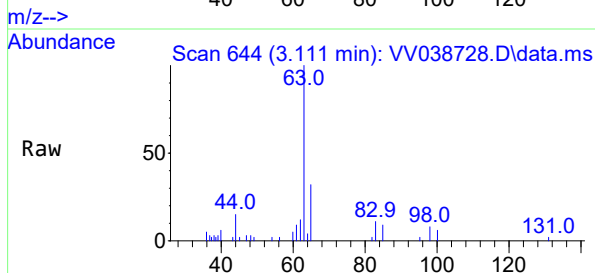
#18
Methyl tert-butyl Ether
Concen: 1.97 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.009 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion:	73	Resp:	15851
Ion	Ratio	Lower	Upper
73	100		
43	25.3	14.7	22.1#
57	27.3	17.7	26.5#



#19
1,1-Dichloroethane
Concen: 2.41 ug/L
RT: 3.111 min Scan# 644
Delta R.T. 0.010 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

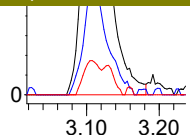
Tgt Ion:	63	Resp:	14483
Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.6	42.0
83	10.9	9.8	18.2

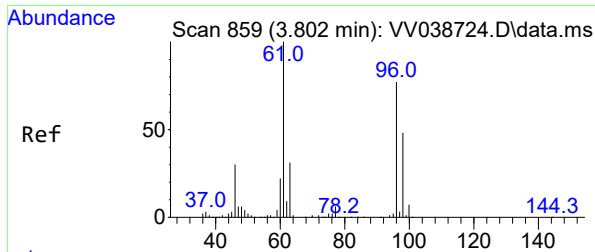


Submitted by: Magesh Dabodu 03/18/2025
Reviewed by: John Catione 03/18/2025

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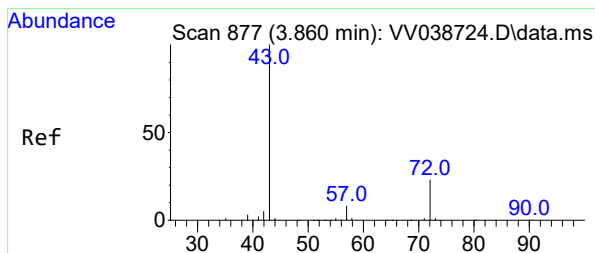
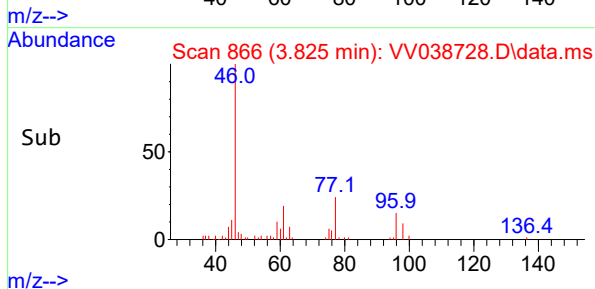
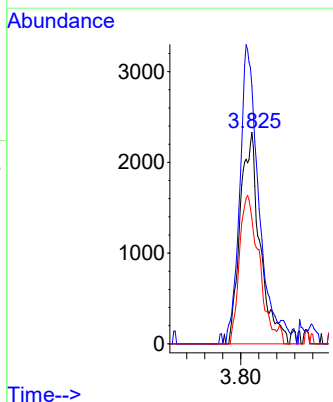
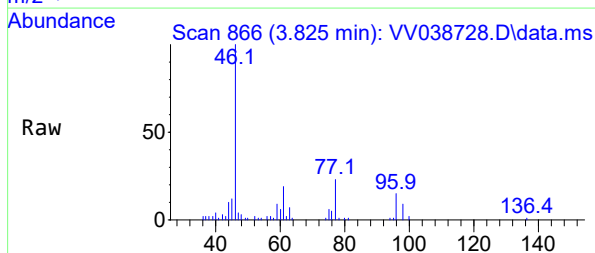
MDT-WED-2011-01T-2025-05
Client Sampled:
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Instrument:





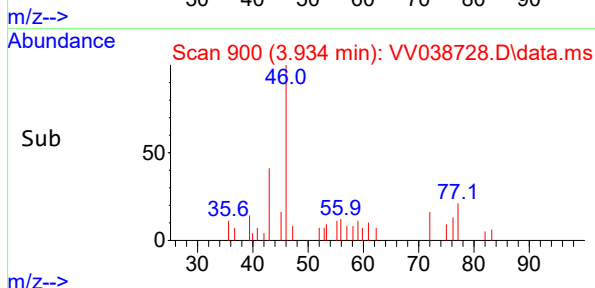
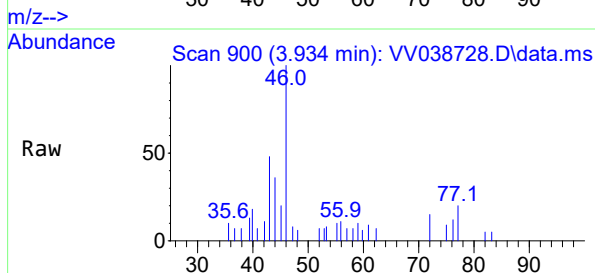
#20
cis-1,2-Dichloroethene
Concen: 2.28 ug/L m
RT: 3.825 min Scan# 866
Delta R.T. 0.022 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion: 96 Resp: 7114
Ion Ratio Lower Upper
96 100
61 121.9 83.5 155.1
98 59.1 44.6 82.8



#22
2-Butanone
Concen: 6.21 ug/L m
RT: 3.934 min Scan# 900
Delta R.T. 0.074 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

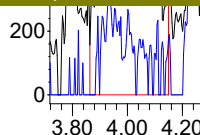
Tgt Ion: 43 Resp: 9411
Ion Ratio Lower Upper
43 100
72 1.0 12.5 37.5#

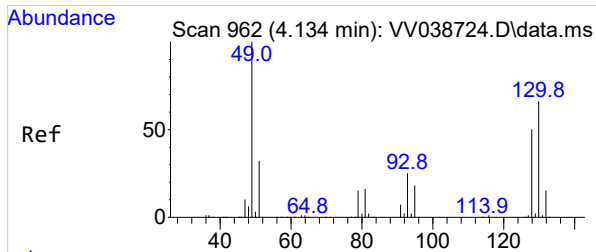


Submitted by: Marybeth DeBord 03/18/2025
Reviewed by: John C. Jones 03/18/2025

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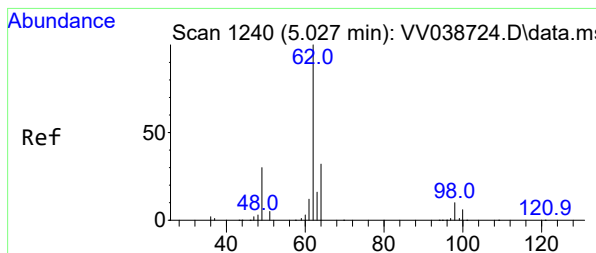
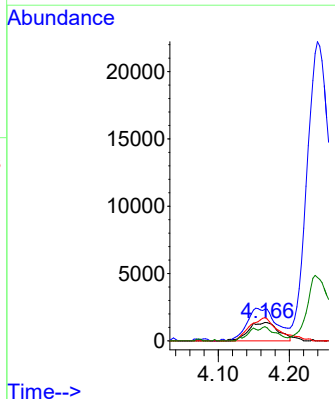
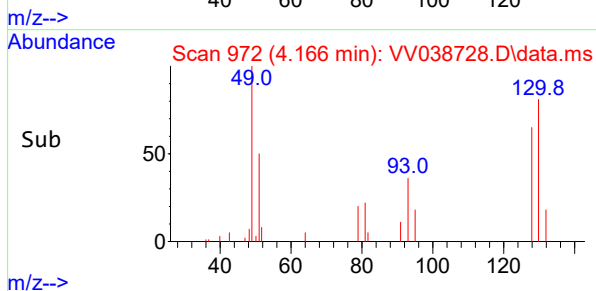
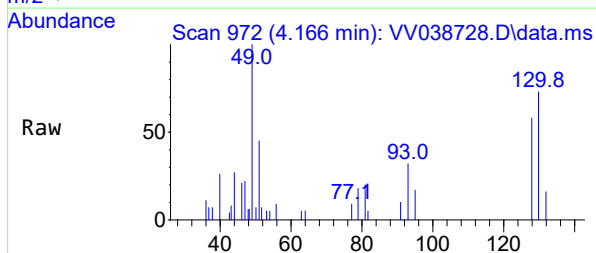
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Client Sample ID:
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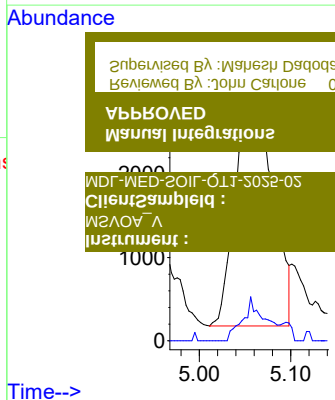
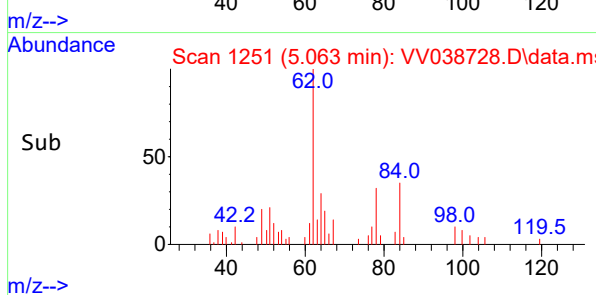
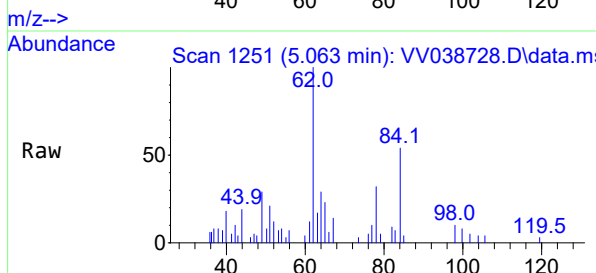
#23
Bromochloromethane
Concen: 2.37 ug/L m
RT: 4.166 min Scan# 972
Delta R.T. 0.032 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion: 128 Resp: 3972
Ion Ratio Lower Upper
128 100
49 171.3 106.7 198.3
130 125.9 93.2 173.2
51 77.0 40.2 60.4#



#27
1,2-Dichloroethane
Concen: 2.03 ug/L
RT: 5.063 min Scan# 1251
Delta R.T. 0.035 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

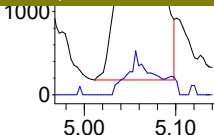
Tgt Ion: 62 Resp: 8768
Ion Ratio Lower Upper
62 100
98 10.2 7.5 11.3

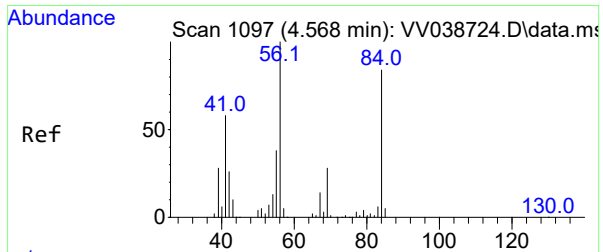


Submitted by: Marybeth DeBord 03/18/2025
Reviewed by: John C. Jones 03/18/2025

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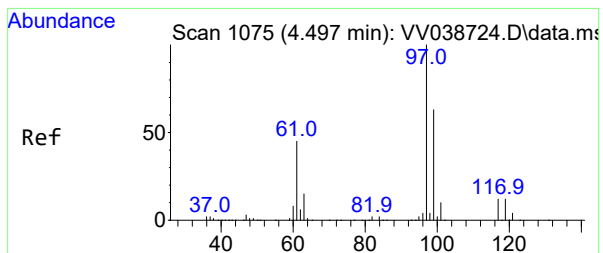
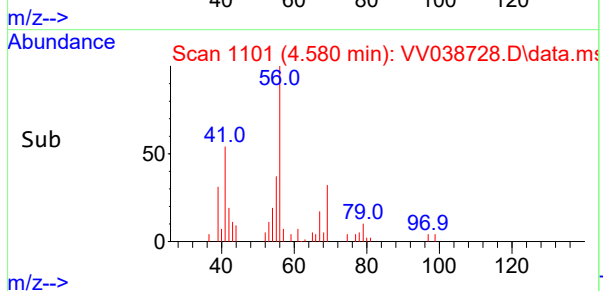
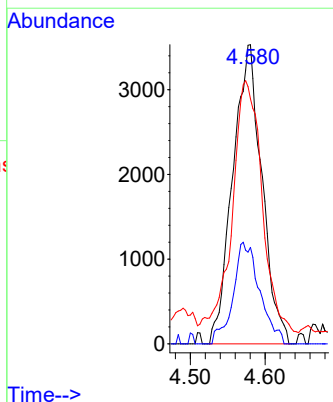
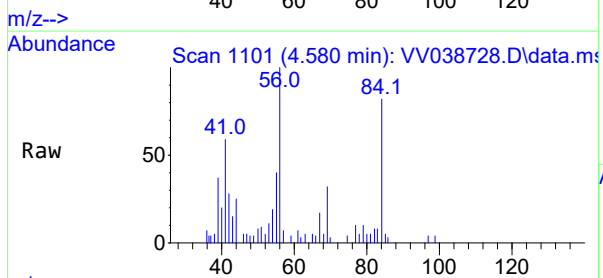
MDT-WED-2011-01T-2025-05
Client Sample:
MS/MS
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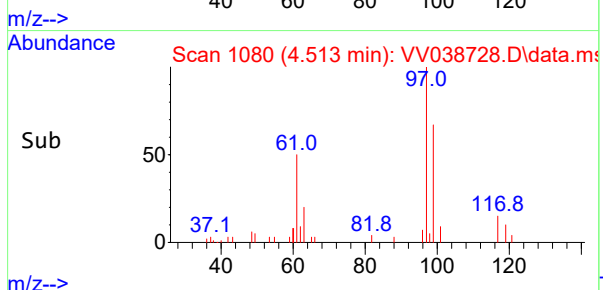
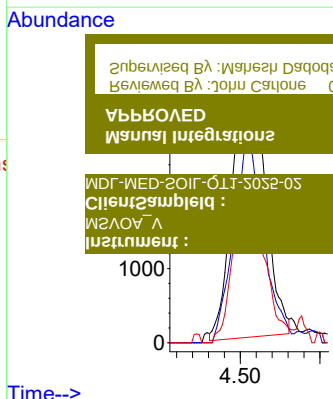
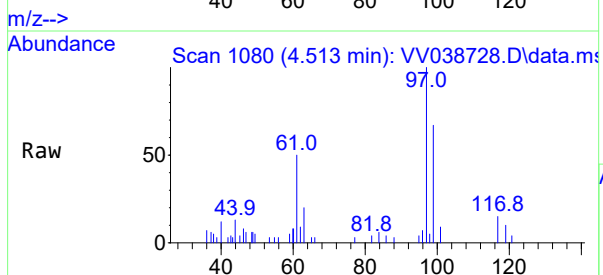
#29
Cyclohexane
Concen: 1.98 ug/L
RT: 4.580 min Scan# 1101
Delta R.T. 0.013 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion: 56 Resp: 9552
Ion Ratio Lower Upper
56 100
69 11.8 24.8 37.2#
84 84.5 73.7 110.5



#30
1,1,1-Trichloroethane
Concen: 2.10 ug/L
RT: 4.513 min Scan# 1080
Delta R.T. 0.016 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

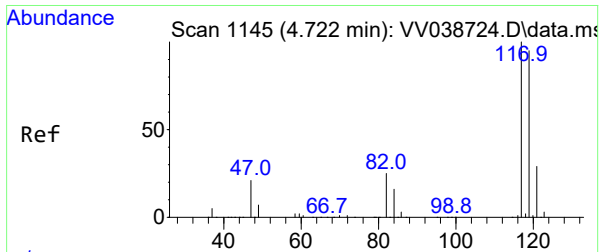
Tgt Ion: 97 Resp: 10518
Ion Ratio Lower Upper
97 100
99 69.9 52.3 78.5
61 53.7 33.6 50.4#



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

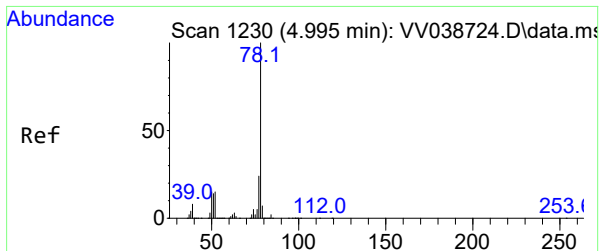
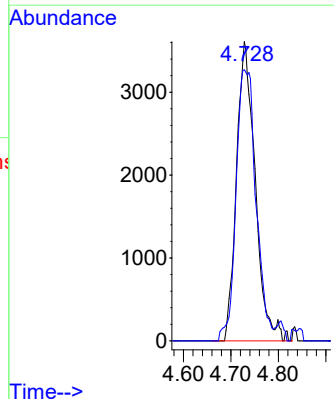
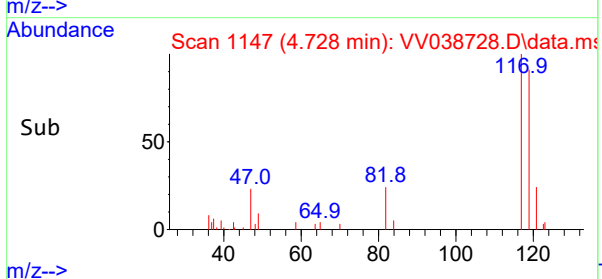
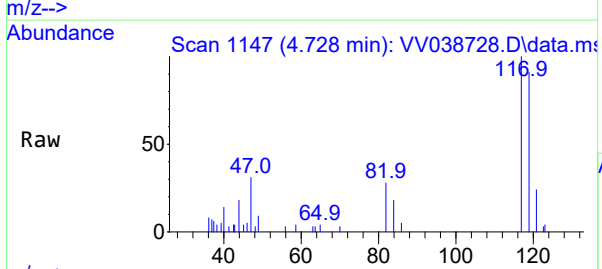
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MDT-WED-2011-011-2025-05
Client Sample ID :
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Instrument :



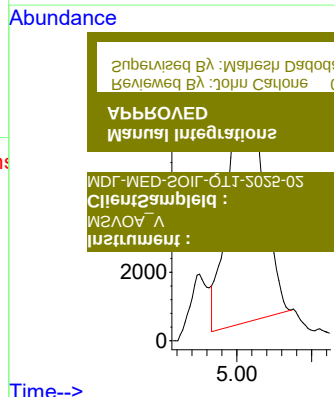
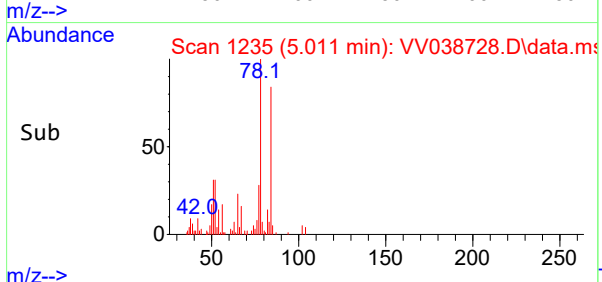
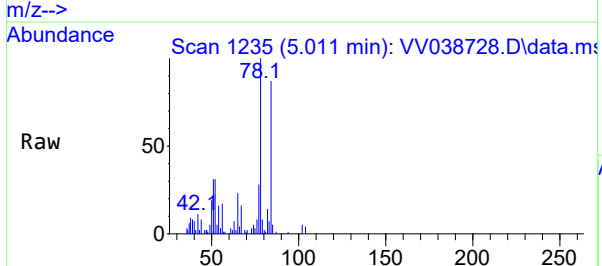
#31
Carbon tetrachloride
Concen: 2.28 ug/L m
RT: 4.728 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion: 117 Resp: 9842
Ion Ratio Lower Upper
117 100
119 8.7 77.7 116.5#



#33
Benzene
Concen: 1.97 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.016 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

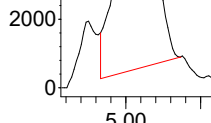
Tgt Ion: 78 Resp: 24485

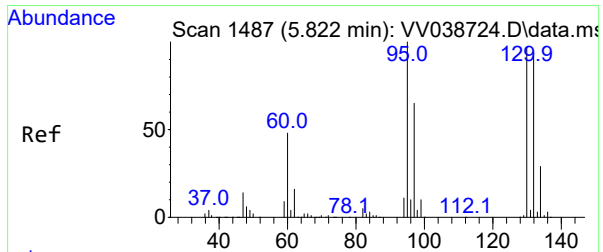


Submitted By: Magesh Dargoda 03/18/2025
Reviewed By: John Carione 03/18/2025

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MDT-WED-2011-01T-2025-05
Client Sample ID:
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Instrument:

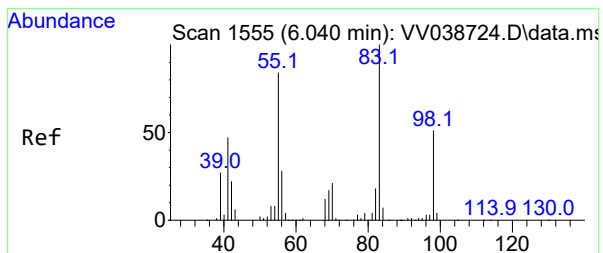
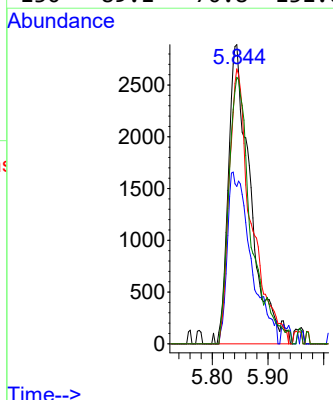
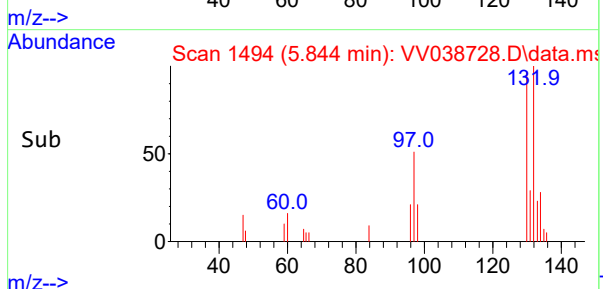
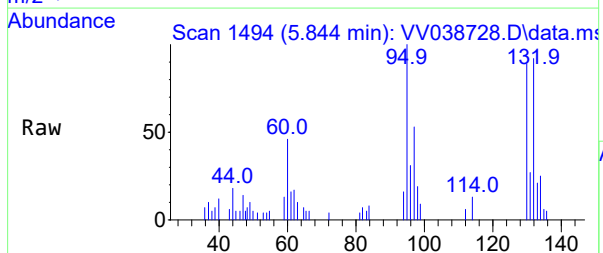




#34
Trichloroethene
Concen: 2.49 ug/L m
RT: 5.844 min Scan# 1494
Delta R.T. 0.022 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion: 95 Resp: 7978

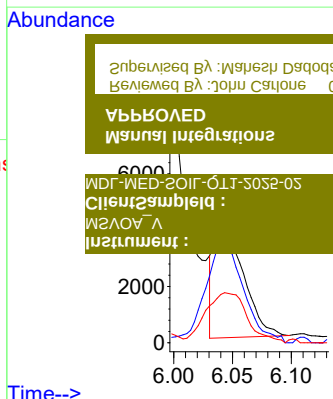
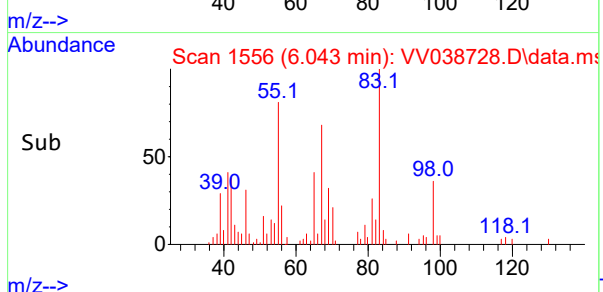
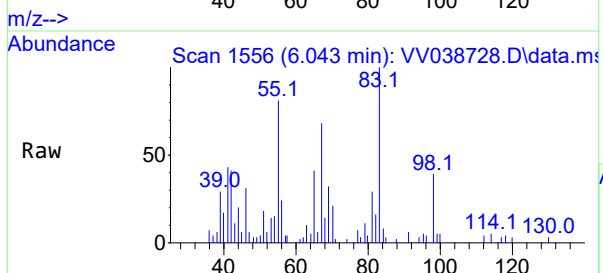
Ion	Ratio	Lower	Upper
95	100		
97	52.6	45.6	84.8
132	91.9	67.6	125.6
130	89.1	70.8	131.6



#35
Methylcyclohexane
Concen: 1.54 ug/L
RT: 6.043 min Scan# 1556
Delta R.T. 0.003 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion: 83 Resp: 7240

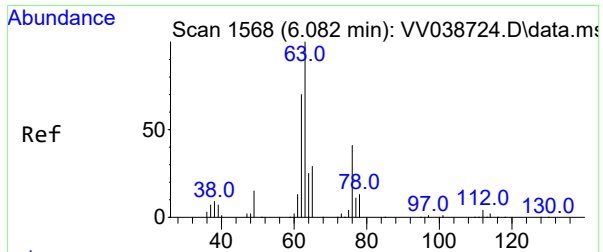
Ion	Ratio	Lower	Upper
83	100		
55	112.9	59.0	88.6#
98	60.5	39.5	59.3#



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

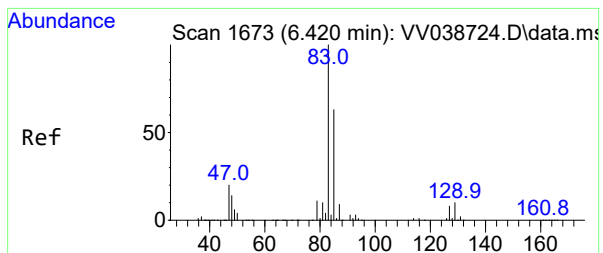
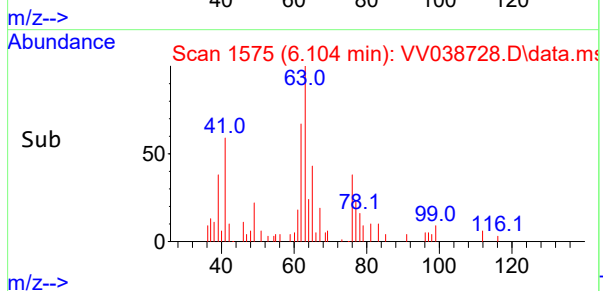
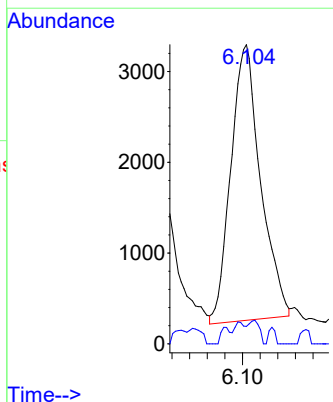
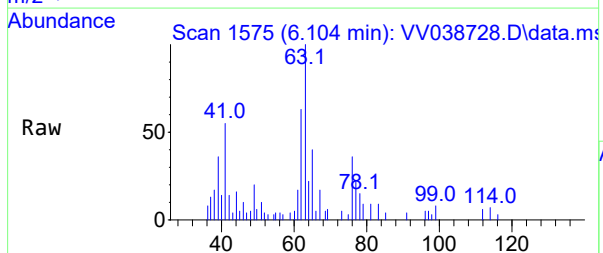
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MDT-WED-2011-01T-2025-05
Client Sample ID:
MS/MS
Instrument:



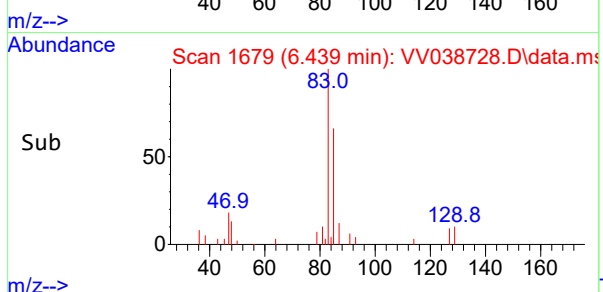
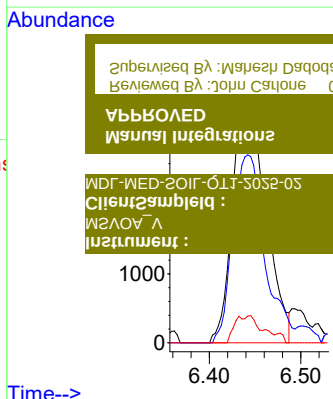
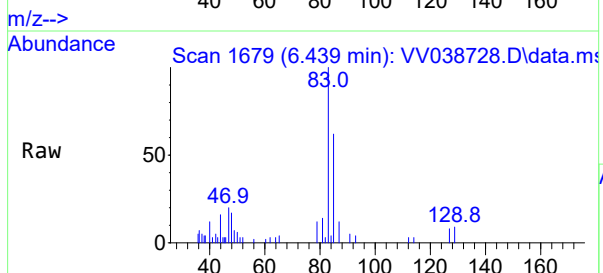
#37
1,2-Dichloropropane
Concen: 2.05 ug/L
RT: 6.104 min Scan# 1575
Delta R.T. 0.022 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion: 63 Resp: 7115
Ion Ratio Lower Upper
63 100
112 3.0 3.8 5.6#



#38
Bromodichloromethane
Concen: 2.10 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. 0.019 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion: 83 Resp: 9566
Ion Ratio Lower Upper
83 100
85 62.1 44.9 83.5
127 8.0 6.8 10.2

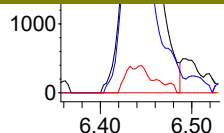


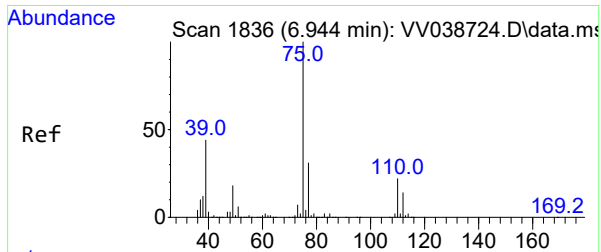
Submitted by: Marybeth DeBord 03/18/2025
Reviewed by: John C. Jones 03/18/2025

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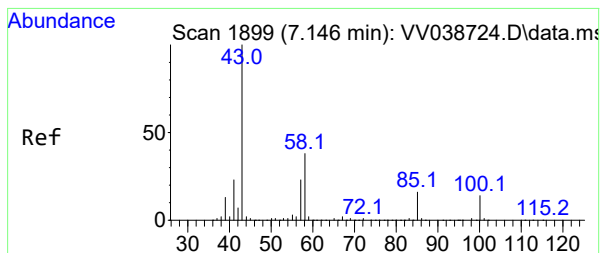
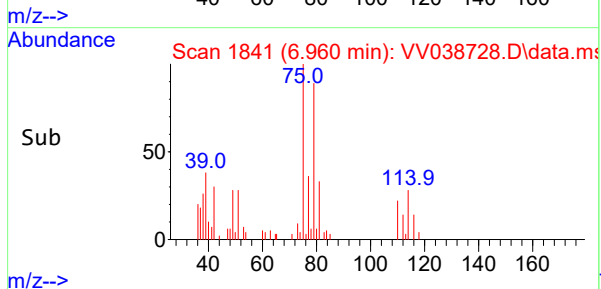
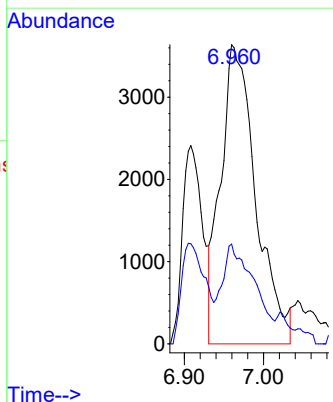
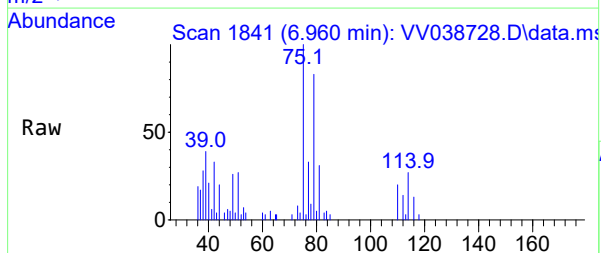
Client Sample ID:
MS2007A
Instrument:





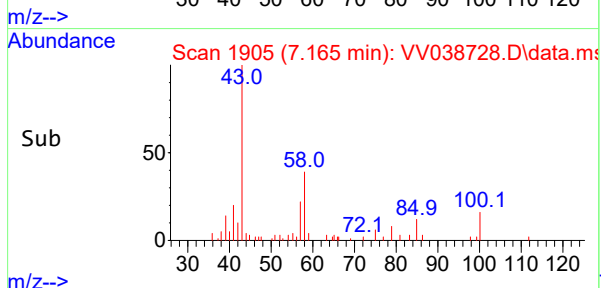
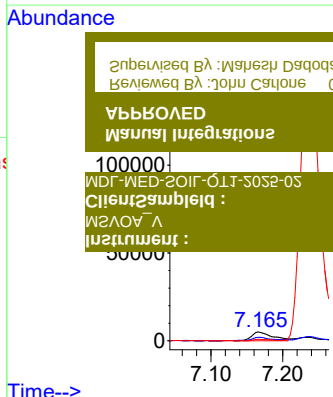
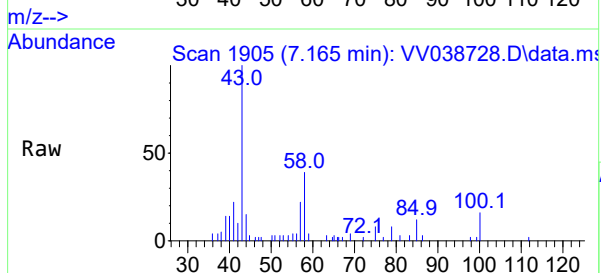
#39
 cis-1,3-Dichloropropene
 Concen: 2.26 ug/L m
 RT: 6.960 min Scan# 1841
 Delta R.T. 0.016 min
 Lab File: VV038728.D
 Acq: 18 Mar 2025 10:48

Tgt Ion: 75 Resp: 11213
 Ion Ratio Lower Upper
 75 100
 77 33.4 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 3.29 ug/L m
 RT: 7.165 min Scan# 1905
 Delta R.T. 0.019 min
 Lab File: VV038728.D
 Acq: 18 Mar 2025 10:48

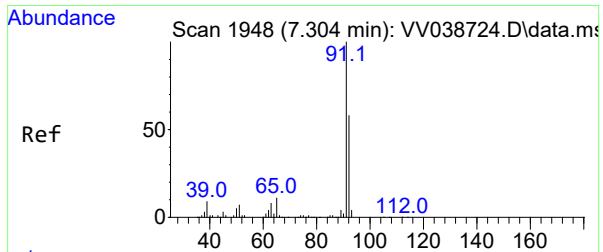
Tgt Ion: 43 Resp: 10136
 Ion Ratio Lower Upper
 43 100
 58 2.3 32.7 49.1#
 100 0.0 13.7 20.5#



Substrate: 4-Methyl-2-pentanone
 Release: 03/18/2025

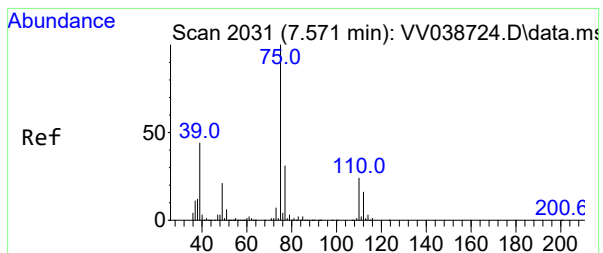
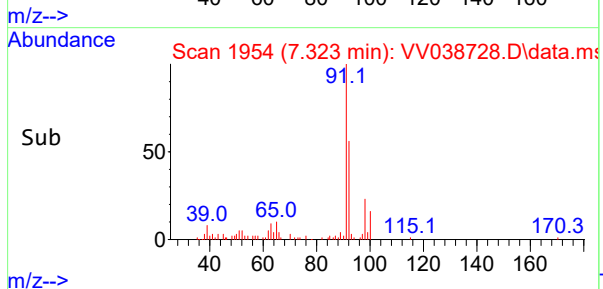
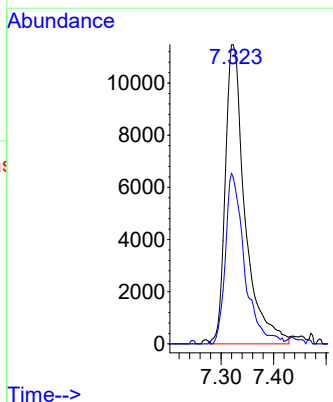
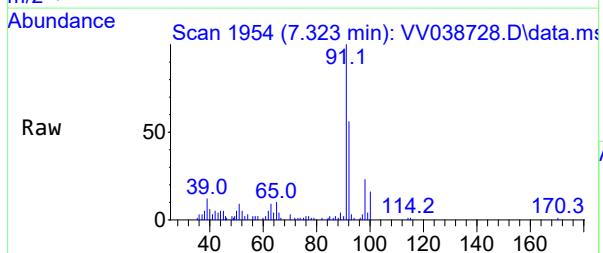
APPROVED
 Manual Integration

100000
 WDT-WED-2011-01T-2025-03
 Client Sample:
 MS/MS
 Instrument:



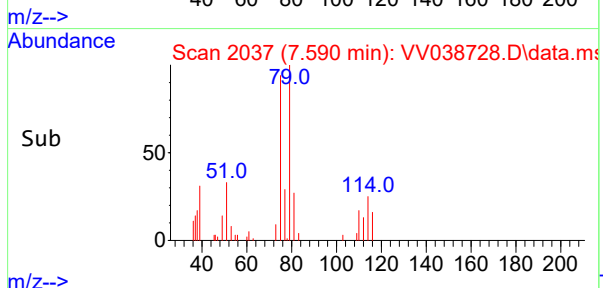
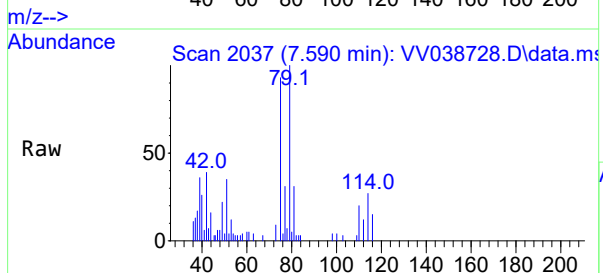
#42
Toluene
Concen: 2.35 ug/L
RT: 7.323 min Scan# 1954
Delta R.T. 0.019 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion: 91 Resp: 29812
Ion Ratio Lower Upper
91 100
92 55.7 41.2 76.4



#44
trans-1,3-Dichloropropene
Concen: 2.06 ug/L
RT: 7.590 min Scan# 2037
Delta R.T. 0.019 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

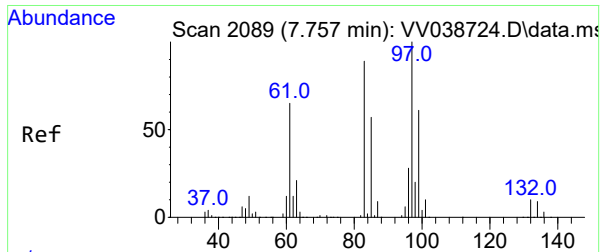
Tgt Ion: 75 Resp: 9674
Ion Ratio Lower Upper
75 100
77 33.0 22.7 42.1



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

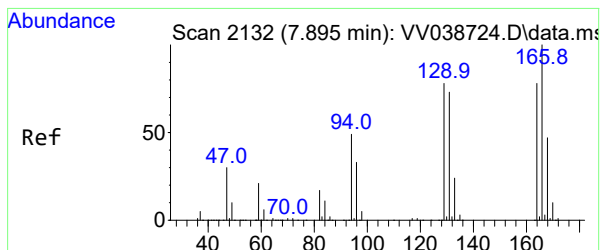
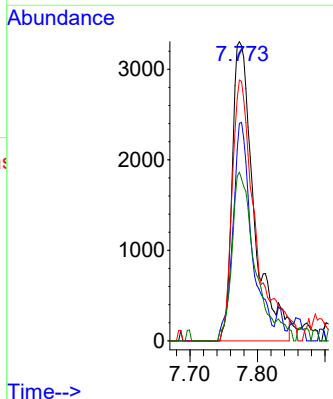
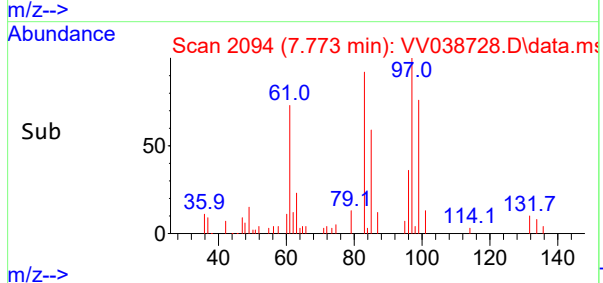
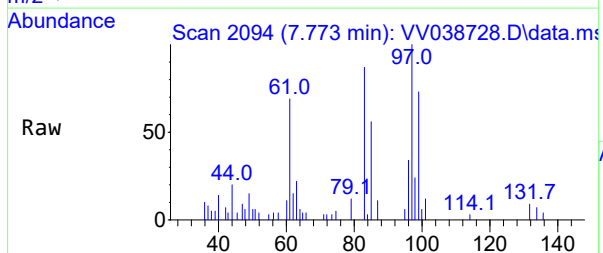
APPROVED
Manual Integrations

MDT-WED-2011-01T-2025-05
Client Sample ID:
MS/MS
Instrument:



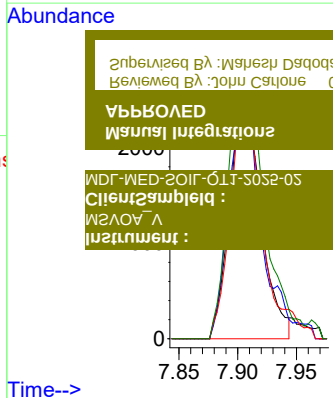
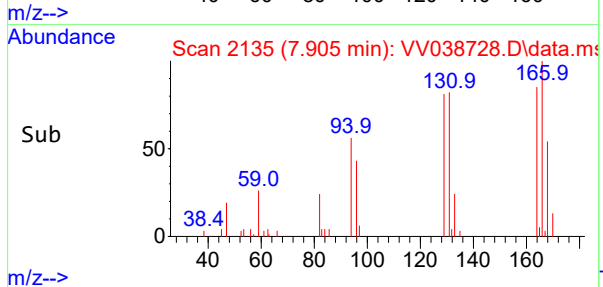
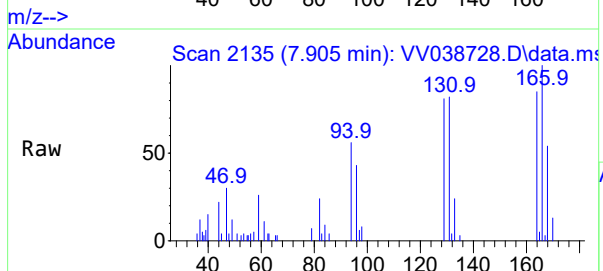
#45
1,1,2-Trichloroethane
Concen: 2.27 ug/L m
RT: 7.773 min Scan# 2094
Delta R.T. 0.016 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion:	97	Resp:	7407
Ion	Ratio	Lower	Upper
97	100		
99	72.7	43.6	81.0
83	87.2	60.5	112.5
85	56.4	38.0	70.6



#46
Tetrachloroethene
Concen: 2.09 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.010 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

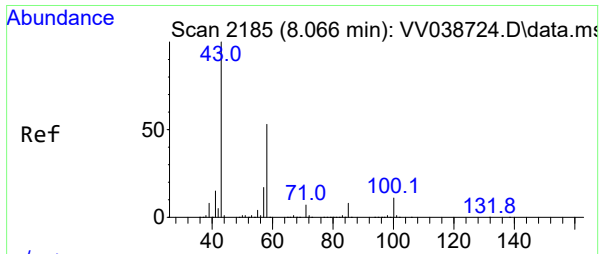
Tgt Ion:	164	Resp:	4750
Ion	Ratio	Lower	Upper
164	100		
129	95.4	69.2	128.4
131	96.4	63.1	117.3
166	117.2	89.7	166.5



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

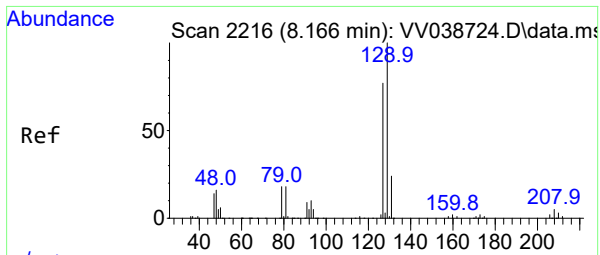
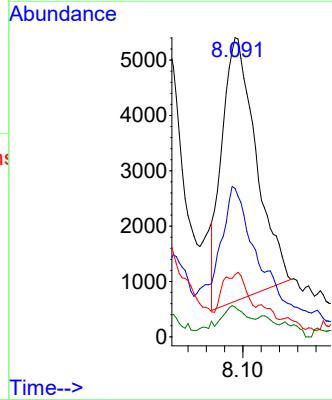
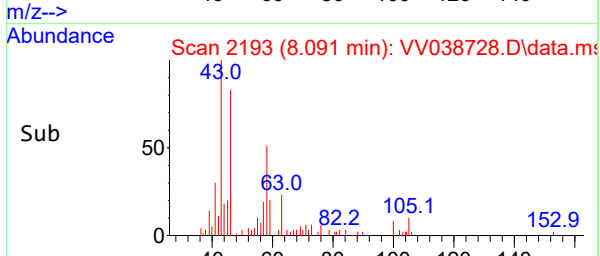
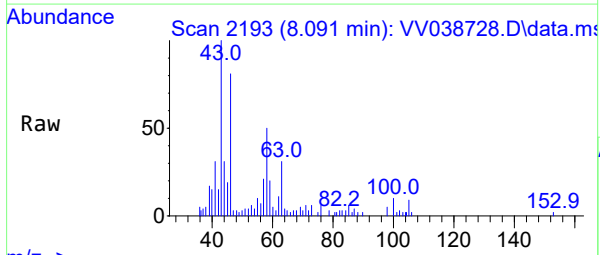
APPROVED
Manual Integrations

MDT-WED-2011-011-2025-05
Client Sample ID :
MS/MS
Instrument :



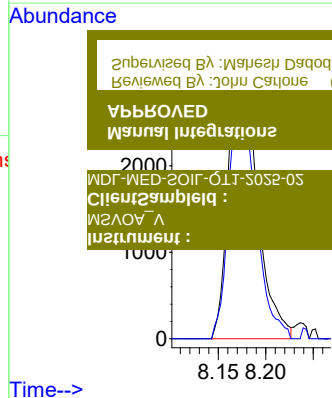
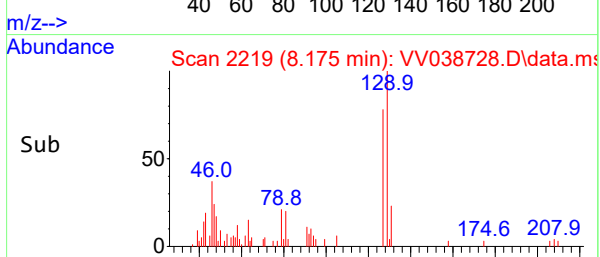
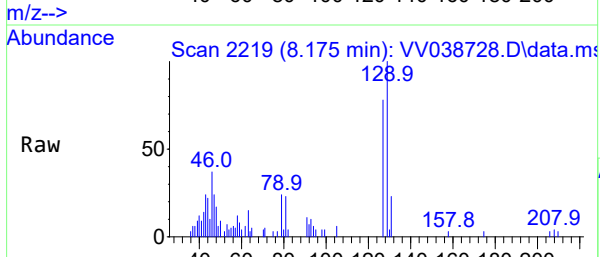
#48
2-Hexanone
Concen: 5.79 ug/L
RT: 8.091 min Scan# 2193
Delta R.T. 0.026 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion:	43	Resp:	12364
Ion	Ratio	Lower	Upper
43	100		
58	30.7	48.0	72.0#
57	3.6	15.5	23.3#
100	6.4	11.0	16.4#



#49
Dibromochloromethane
Concen: 2.16 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.009 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion:	129	Resp:	7043
Ion	Ratio	Lower	Upper
129	100		
127	78.4	53.8	100.0



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

APPROVED

Manual Integrations

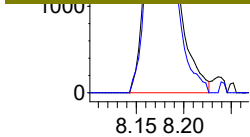
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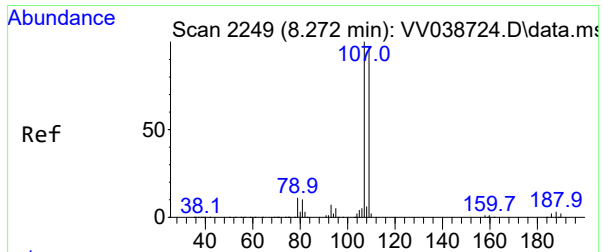
MDT-WED-2011-011-2025-05

Client Sample:

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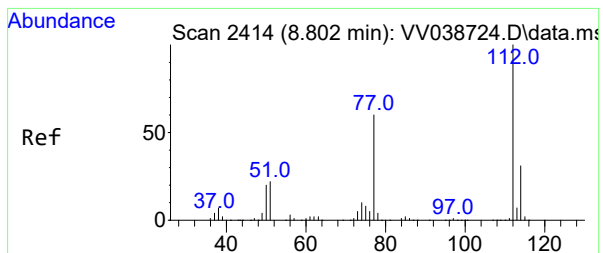
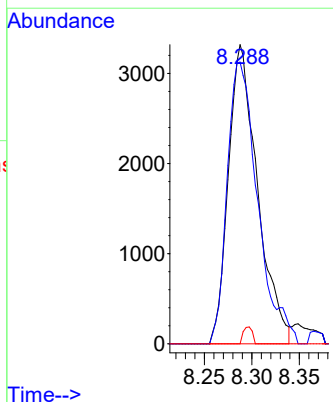
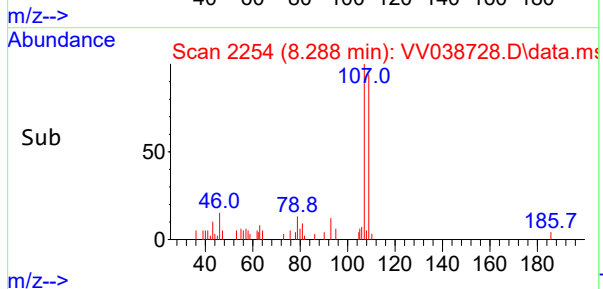
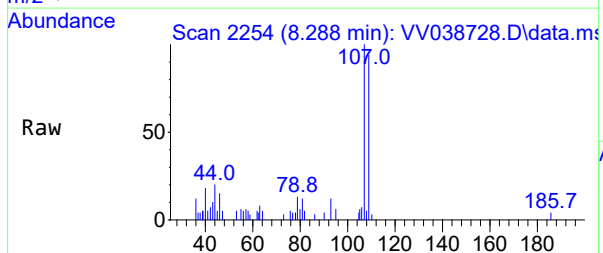
Instrument:





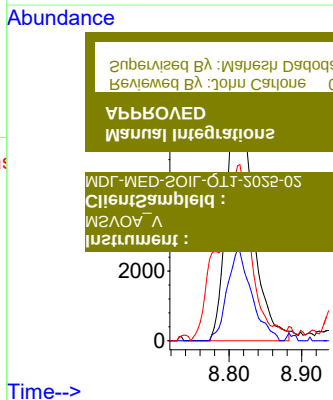
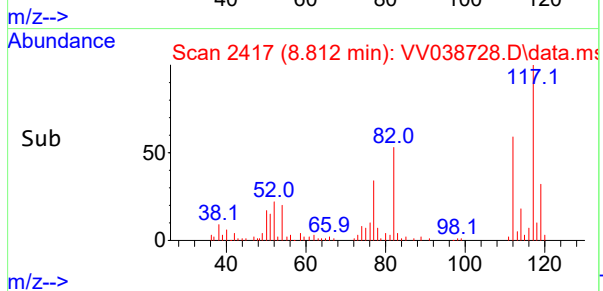
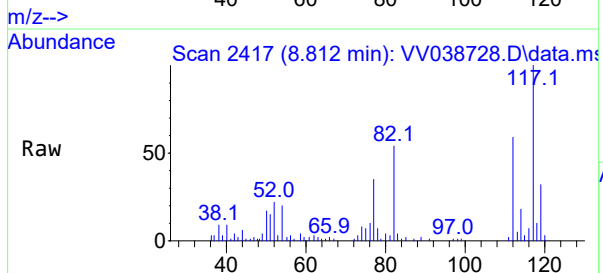
#50
1,2-Dibromoethane
Concen: 2.23 ug/L
RT: 8.288 min Scan# 2254
Delta R.T. 0.016 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion:107 Resp: 7086
Ion Ratio Lower Upper
107 100
109 94.2 66.1 122.7
188 0.0 2.6 3.8#



#51
Chlorobenzene
Concen: 2.19 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.010 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

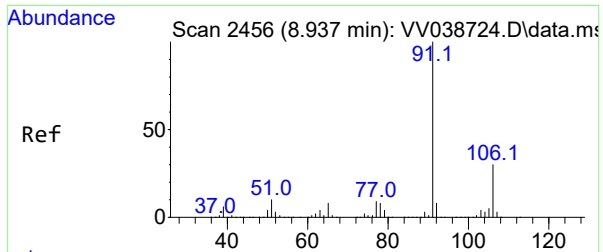
Tgt Ion:112 Resp: 19007
Ion Ratio Lower Upper
112 100
114 30.6 21.9 40.7
77 58.5 45.4 68.0



Subscribed By: Marybeth DeBodra 03/18/2025
Reviewed By: John C. Hogue 03/18/2025

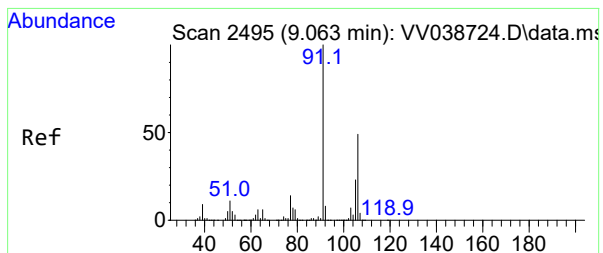
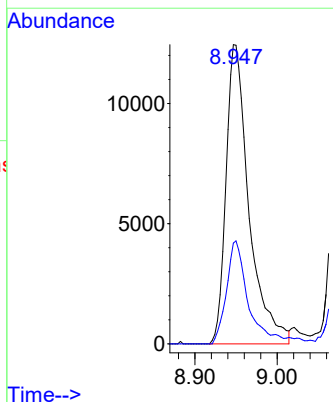
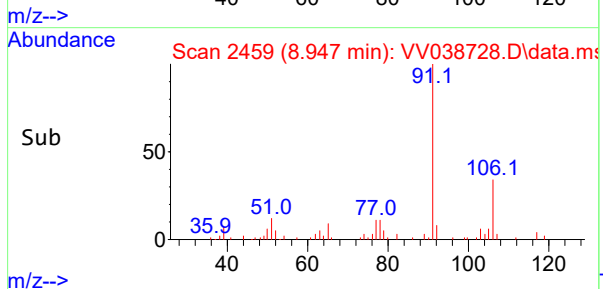
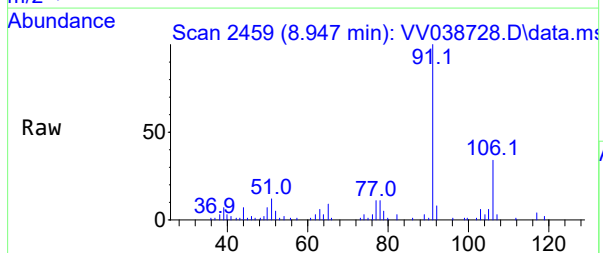
APPROVED
Manual Integrations

MDT-WED-2011-01T-2025-05
Client Sample ID :
MS/MS
Instrument :



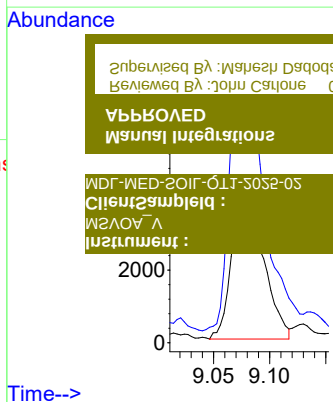
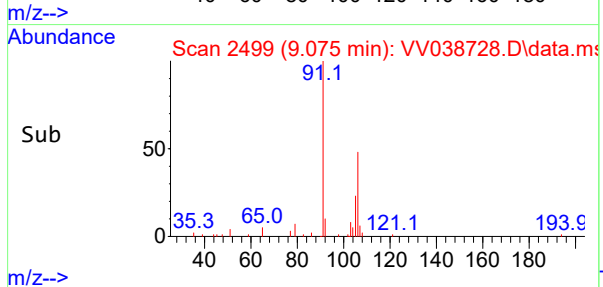
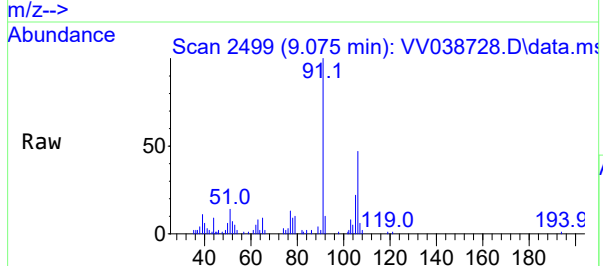
#52
Ethylbenzene
Concen: 1.72 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.009 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion: 91 Resp: 24106
Ion Ratio Lower Upper
91 100
106 33.7 21.6 40.0



#53
m,p-Xylene
Concen: 1.47 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.013 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion: 106 Resp: 7464
Ion Ratio Lower Upper
106 100
91 214.4 142.6 264.8



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

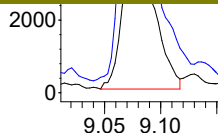
APPROVED
Manual Integrations

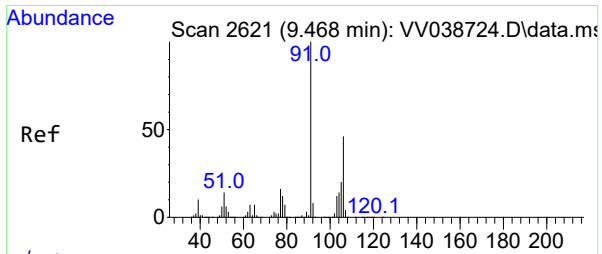
MDT-WED-2011-011-2025-05

Client Sample ID:

MS/MS

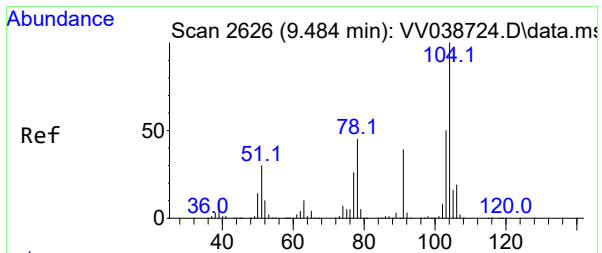
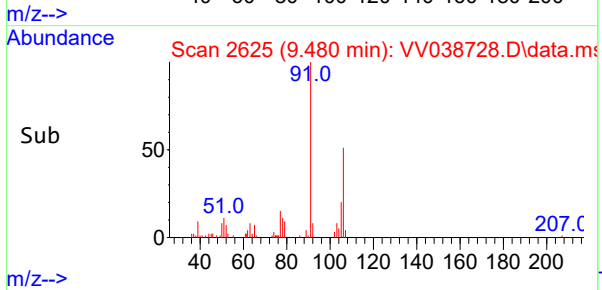
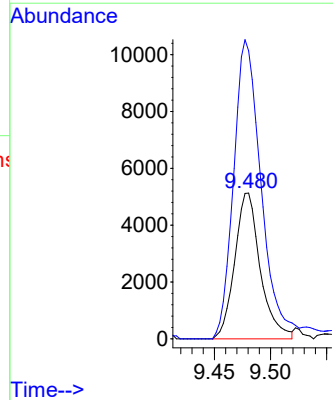
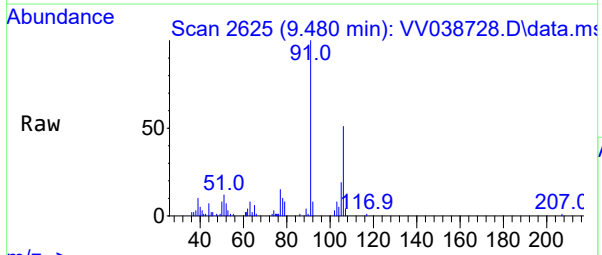
Instrument:





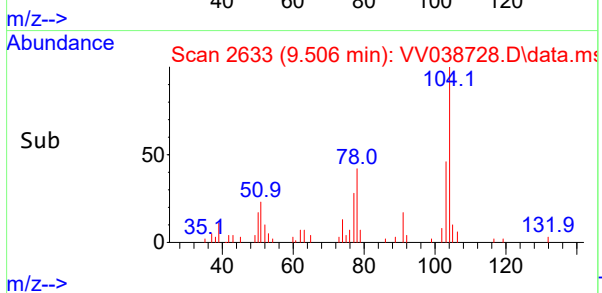
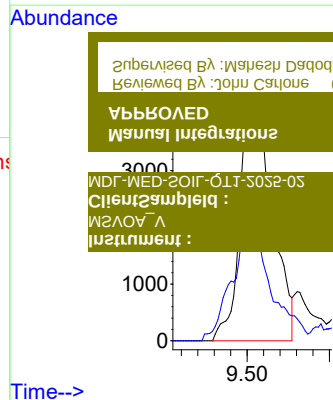
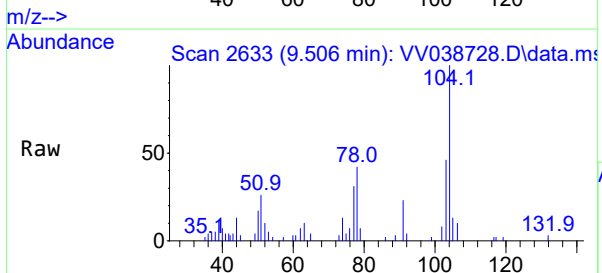
#54
o-Xylene
Concen: 1.64 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.013 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion:106 Resp: 8125
Ion Ratio Lower Upper
106 100
91 197.6 151.1 280.7



#55
Styrene
Concen: 1.41 ug/L
RT: 9.506 min Scan# 2633
Delta R.T. 0.022 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

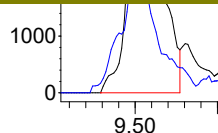
Tgt Ion:104 Resp: 12239
Ion Ratio Lower Upper
104 100
78 42.1 29.7 55.1

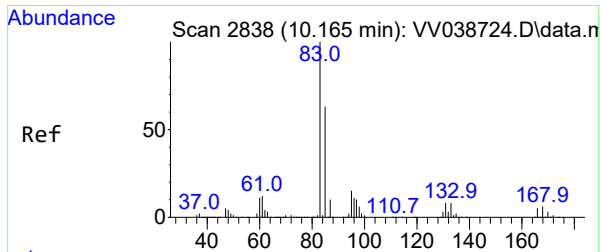


Submitted by: Magesh Dargoda 03/18/2025
Reviewed by: John Catione 03/18/2025

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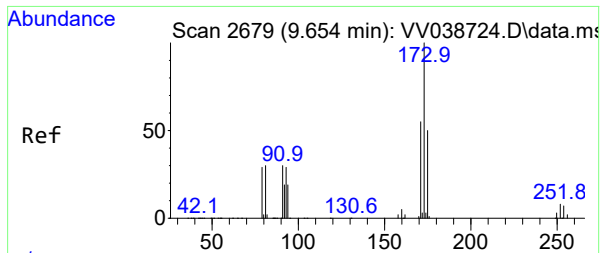
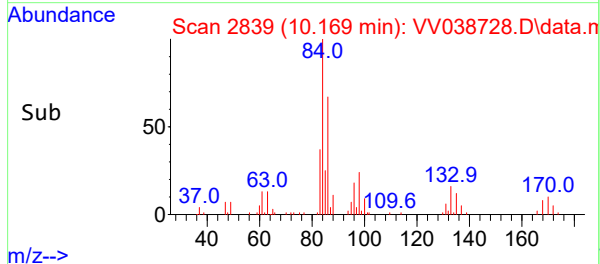
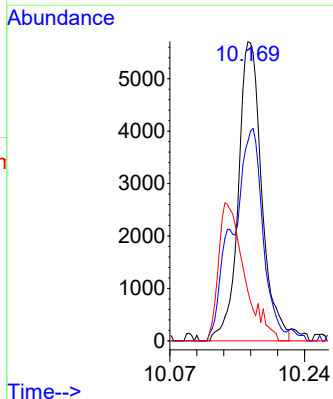
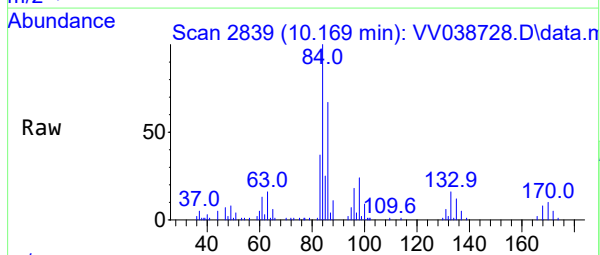
MDT-WED-2011-011-2025-05
Client Sample ID:
MS/MS
Instrument:





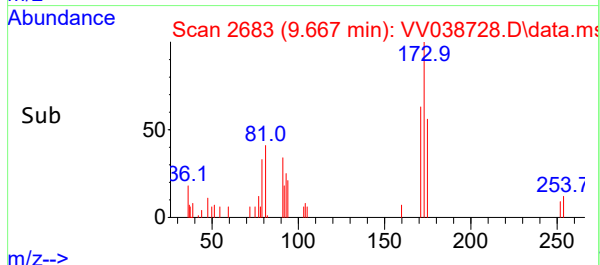
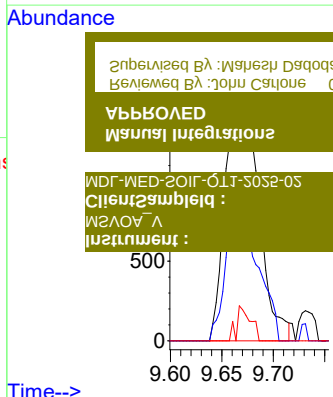
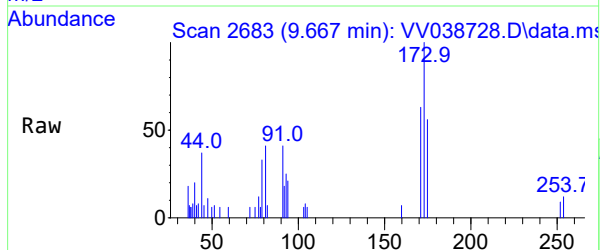
#57
1,1,2,2-Tetrachloroethane
Concen: 2.39 ug/L
RT: 10.169 min Scan# 2839
Delta R.T. 0.003 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion: 83 Resp: 11642
Ion Ratio Lower Upper
83 100
85 66.7 44.7 82.9
131 16.5 8.0 12.0#



#59
Bromoform
Concen: 2.43 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.013 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

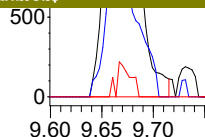
Tgt Ion: 173 Resp: 3741
Ion Ratio Lower Upper
173 100
175 53.7 38.8 58.2
254 4.2 6.9 10.3#

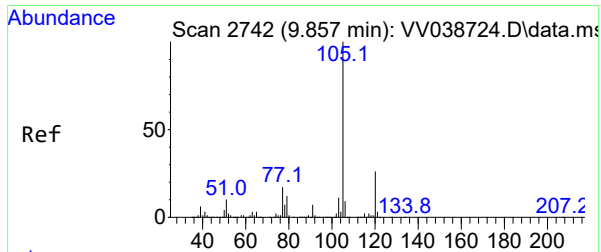


Subscribed By: Marybeth DeBorja 03/18/2025
Reviewed By: John C. Jones 03/18/2025

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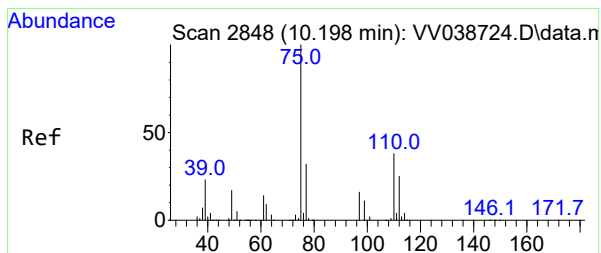
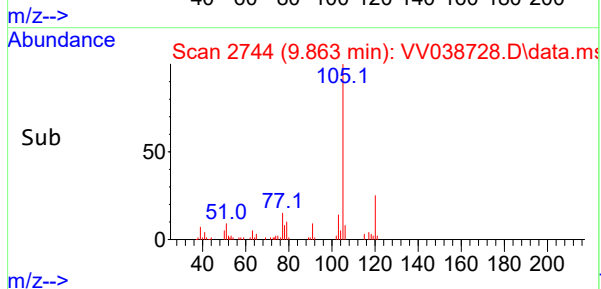
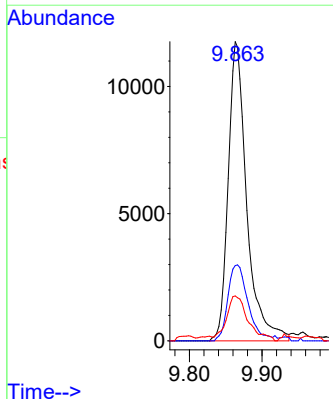
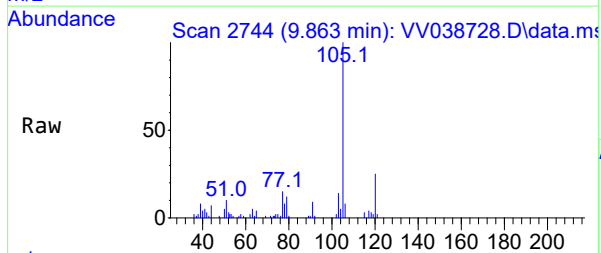
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Client Sample ID:
MS/MS
Instrument:





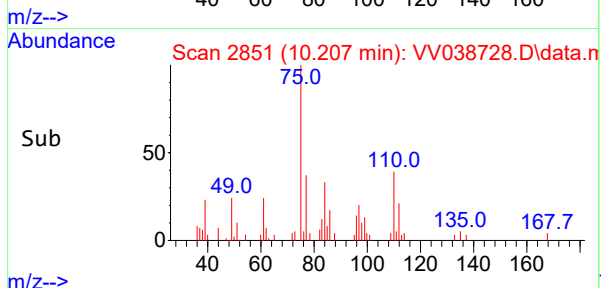
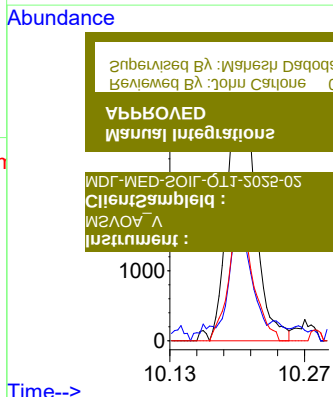
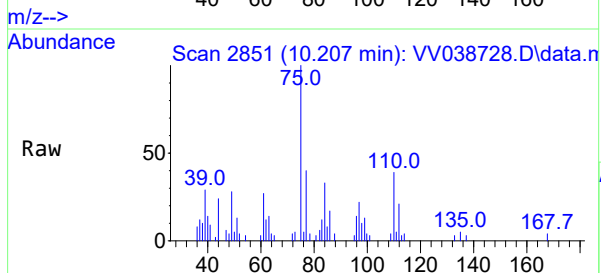
#60
Isopropylbenzene
Concen: 2.00 ug/L
RT: 9.863 min Scan# 2744
Delta R.T. 0.006 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion:	105	Resp:	20862
Ion	Ratio	Lower	Upper
105	100		
120	27.5	21.0	31.4
77	13.7	12.2	18.4



#61
1,2,3-Trichloropropane
Concen: 2.74 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.009 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

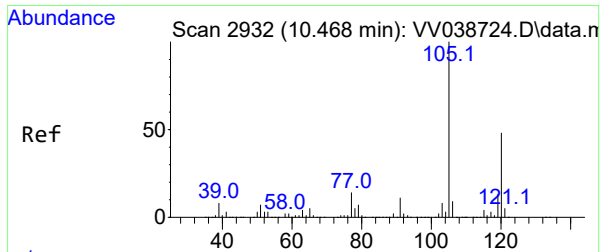
Tgt Ion:	75	Resp:	7592
Ion	Ratio	Lower	Upper
75	100		
77	34.3	25.8	38.6
110	39.5	32.2	48.4



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

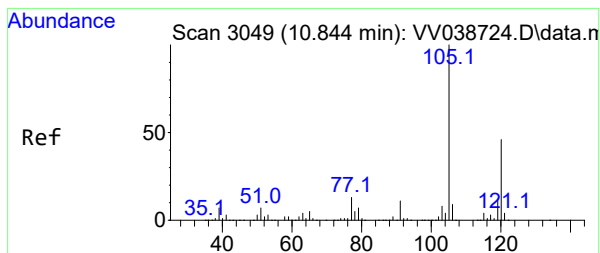
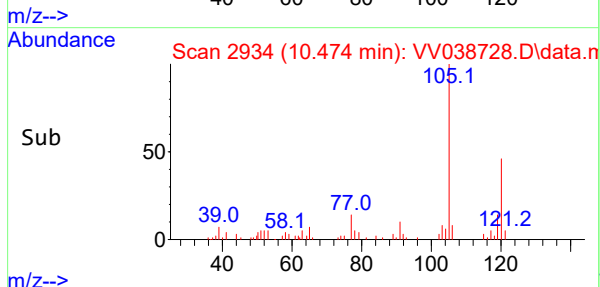
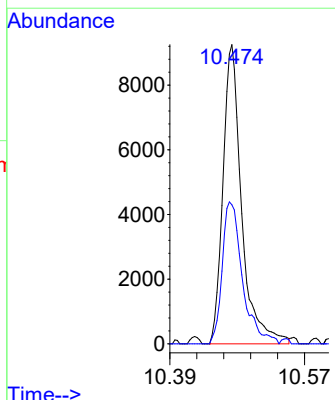
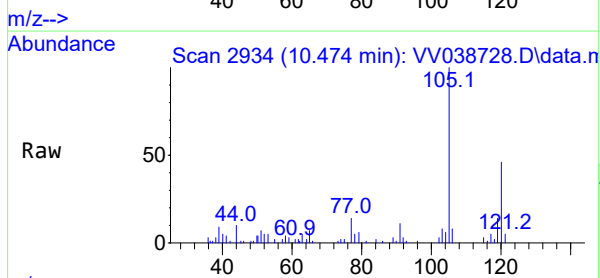
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MDT-WED-2011-01T-2025-05
Client Sample ID :
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Instrument :



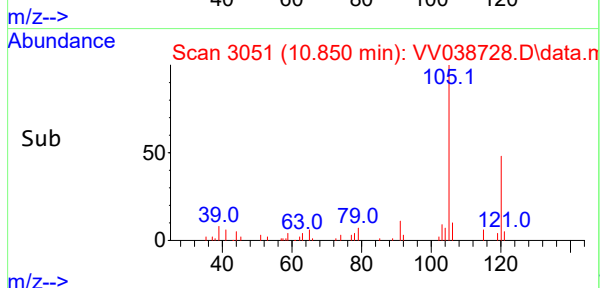
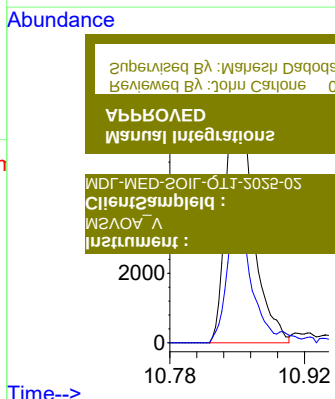
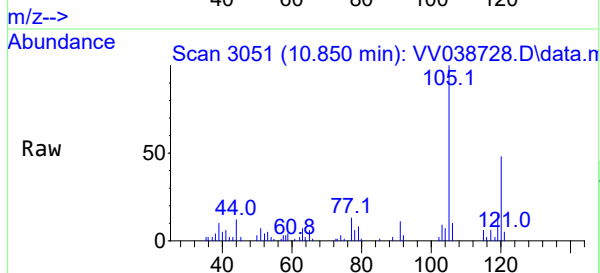
#62
1,3,5-Trimethylbenzene
Concen: 1.92 ug/L
RT: 10.474 min Scan# 2934
Delta R.T. 0.006 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion:105 Resp: 15552
Ion Ratio Lower Upper
105 100
120 46.1 39.1 58.7



#63
1,2,4-Trimethylbenzene
Concen: 1.84 ug/L
RT: 10.850 min Scan# 3051
Delta R.T. 0.006 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

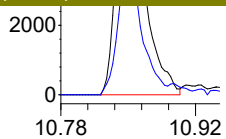
Tgt Ion:105 Resp: 15078
Ion Ratio Lower Upper
105 100
120 45.2 36.6 55.0

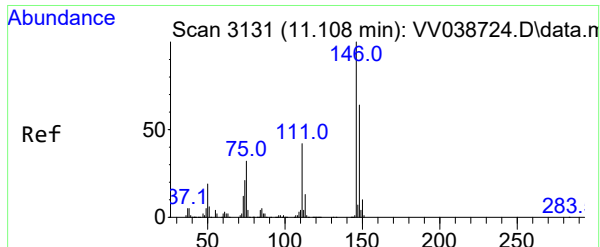


Submitted by: Magesh Dabodu 03/18/2025
Reviewed by: John Canone 03/18/2025

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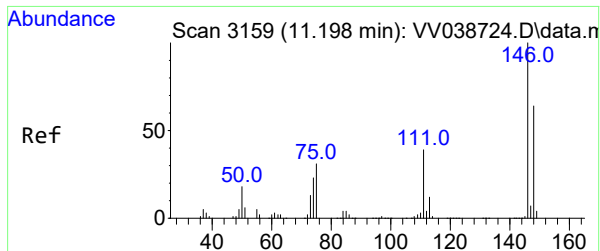
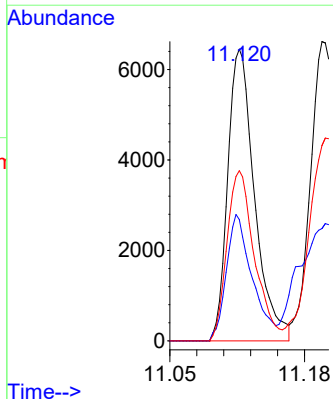
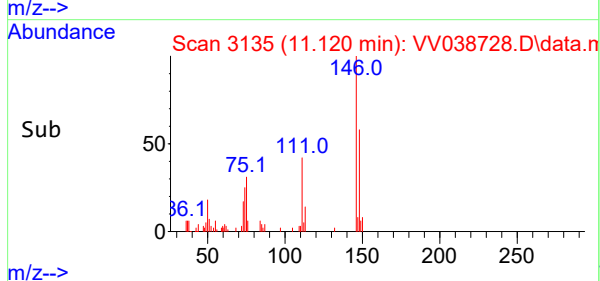
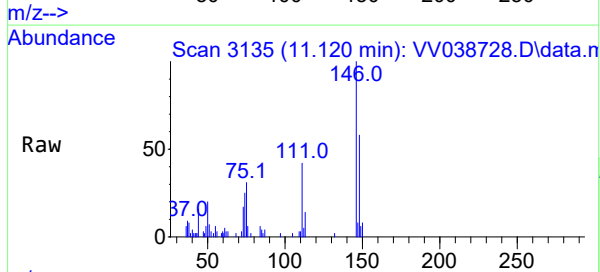
MDT-WED-2011-01T-2025-05
Client Sample ID :
MS/MS
Instrument :





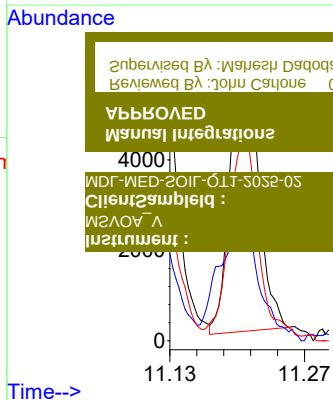
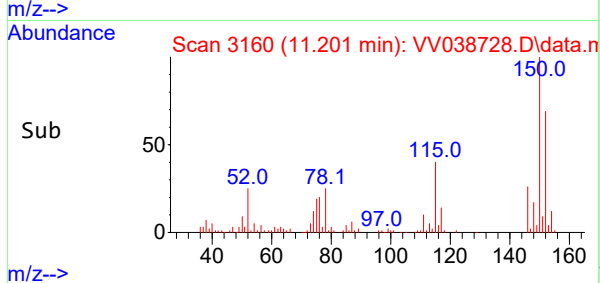
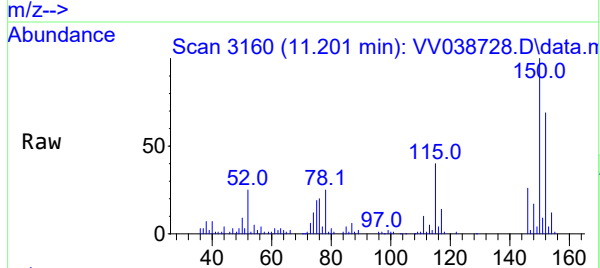
#64
1,3-Dichlorobenzene
Concen: 2.31 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.013 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion:	146	Resp:	11680
Ion Ratio	Lower	Upper	
146	100		
111	41.6	27.8	51.6
148	58.3	45.1	83.7



#65
1,4-Dichlorobenzene
Concen: 2.38 ug/L
RT: 11.201 min Scan# 3160
Delta R.T. 0.003 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion:	146	Resp:	12938
Ion Ratio	Lower	Upper	
146	100		
111	37.5	27.6	51.4
148	65.3	44.9	83.3



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

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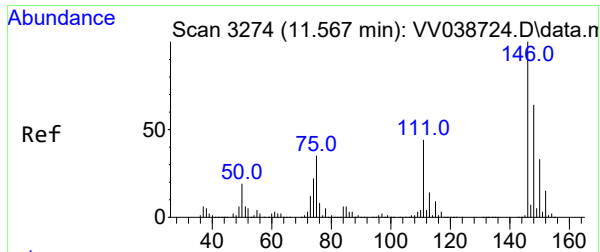
4000

MDT-WED-2011-011-2025-05

Client Sample:

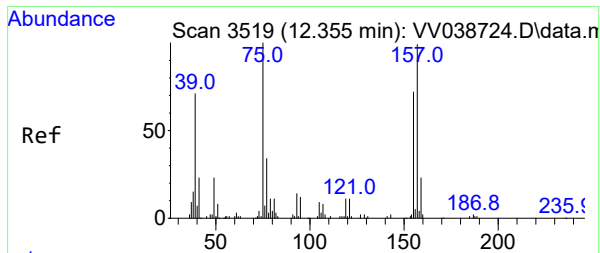
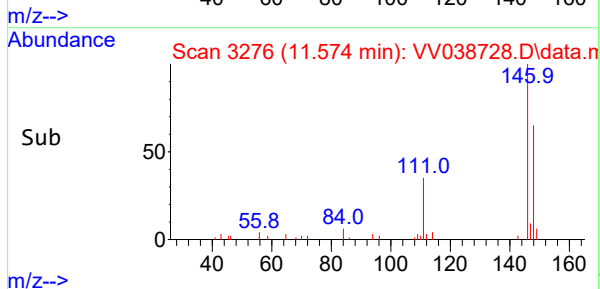
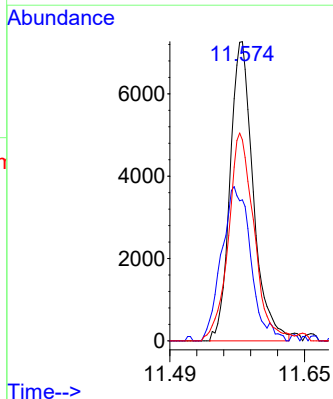
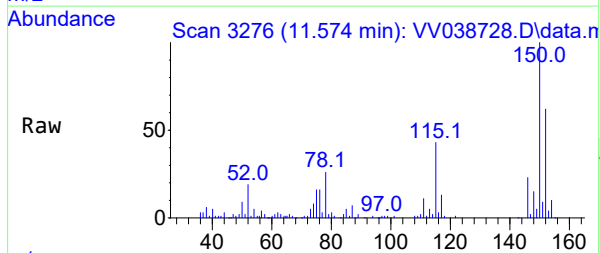
MS/MS

Instrument:



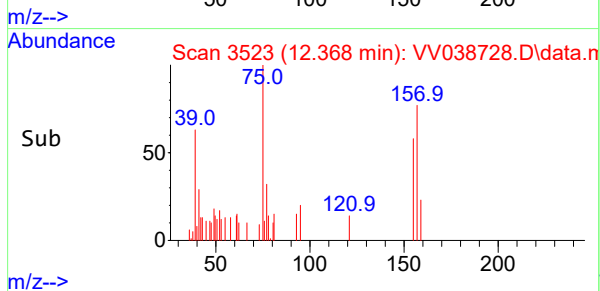
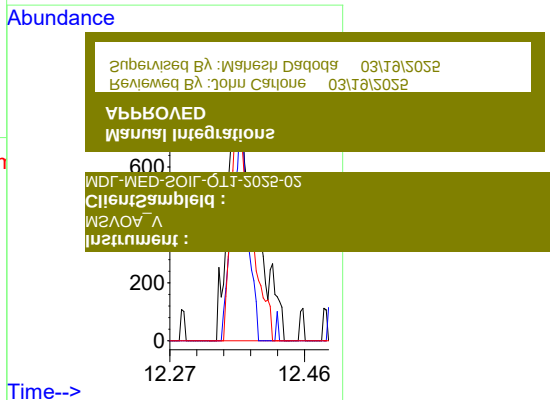
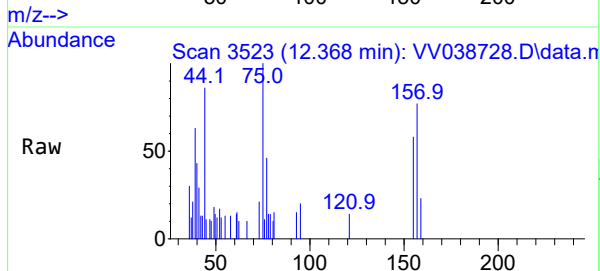
#67
1,2-Dichlorobenzene
Concen: 2.67 ug/L
RT: 11.574 min Scan# 3276
Delta R.T. 0.006 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

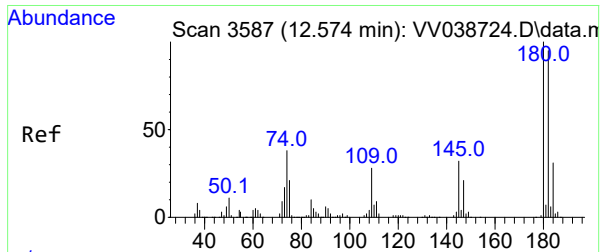
Tgt Ion:146 Resp: 13724
Ion Ratio Lower Upper
146 100
111 47.1 34.2 51.2
148 67.2 50.5 75.7



#68
1,2-Dibromo-3-chloropropane
Concen: 3.43 ug/L
RT: 12.368 min Scan# 3523
Delta R.T. 0.013 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

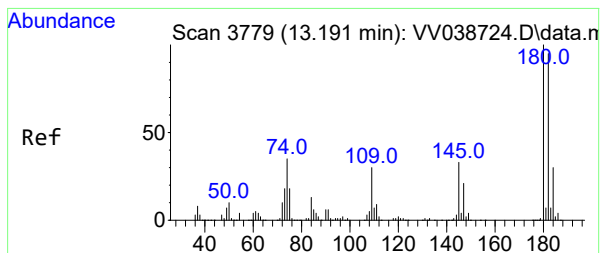
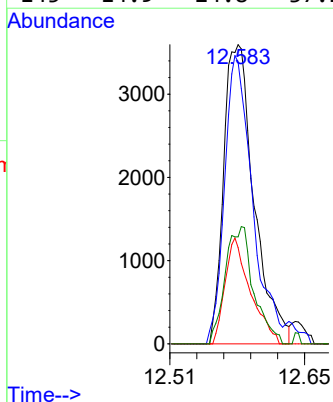
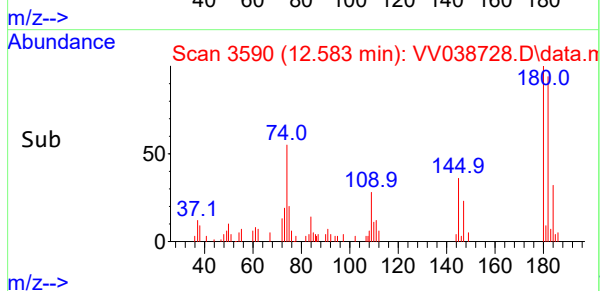
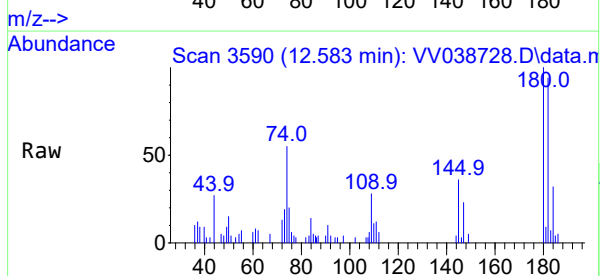
Tgt Ion: 75 Resp: 2293
Ion Ratio Lower Upper
75 100
155 57.6 66.8 100.2#
157 77.3 83.4 125.2#





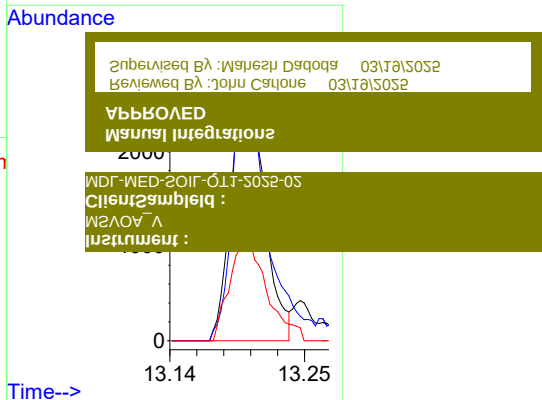
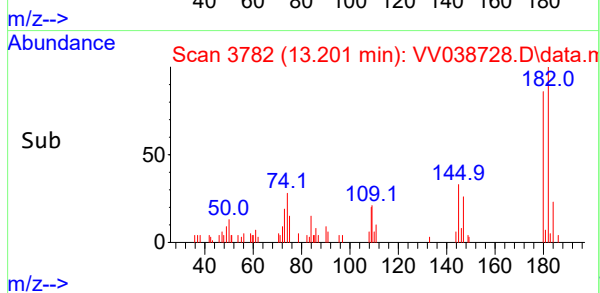
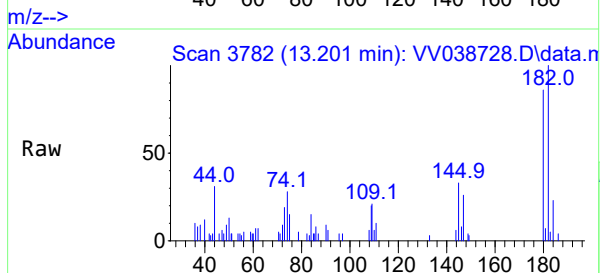
#69
1,3,5-Trichlorobenzene
Concen: 2.38 ug/L
RT: 12.583 min Scan# 3590
Delta R.T. 0.009 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

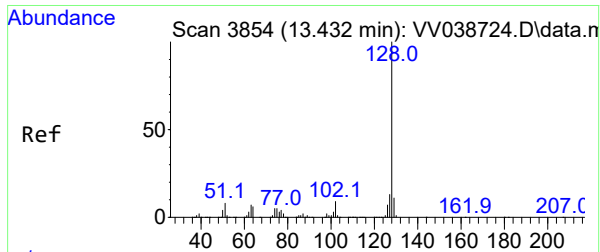
Tgt Ion:180 Resp: 7676
Ion Ratio Lower Upper
180 100
182 88.2 76.2 114.4
184 29.5 23.8 35.6
145 14.9 24.8 37.2#



#70
1,2,4-trichlorobenzene
Concen: 2.01 ug/L
RT: 13.201 min Scan# 3782
Delta R.T. 0.009 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

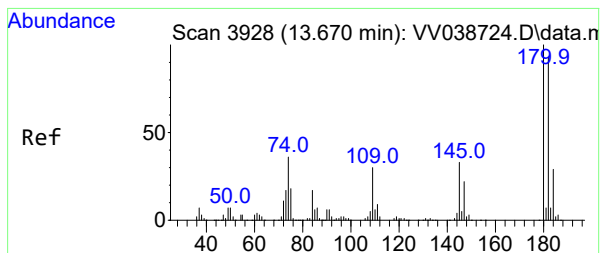
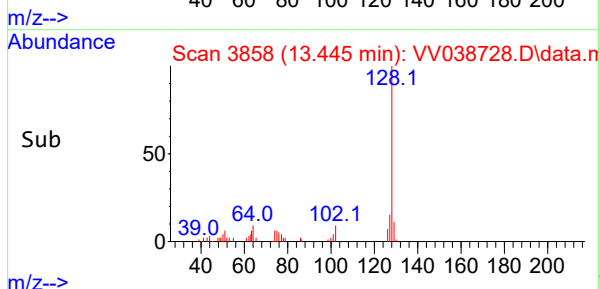
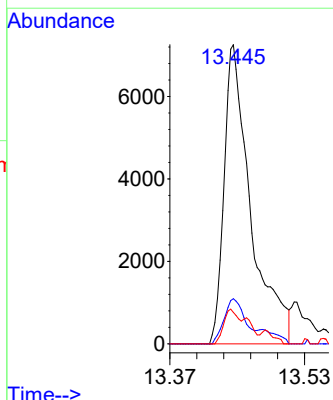
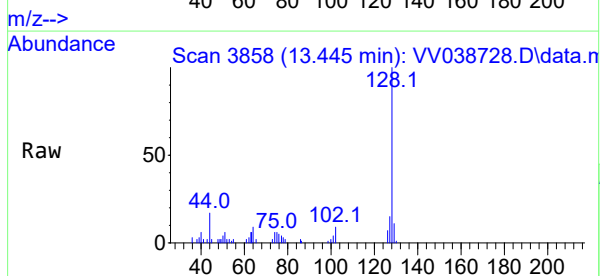
Tgt Ion:180 Resp: 5337
Ion Ratio Lower Upper
180 100
182 108.2 76.2 114.2
145 44.2 24.7 37.1#





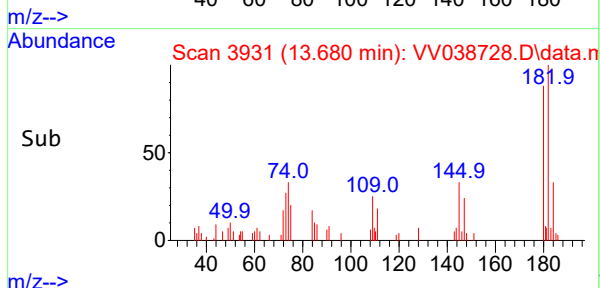
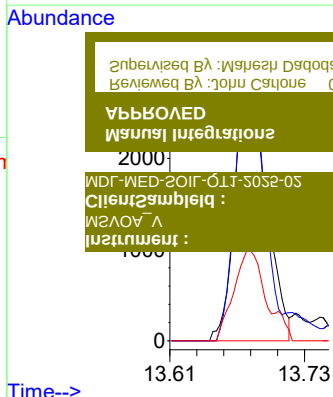
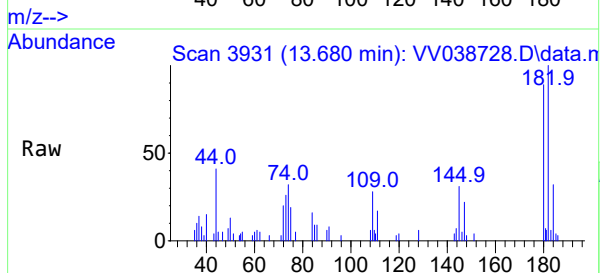
#71
Naphthalene
Concen: 2.37 ug/L
RT: 13.445 min Scan# 3858
Delta R.T. 0.013 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion:128 Resp: 16315
Ion Ratio Lower Upper
128 100
127 11.7 10.1 15.1
129 6.6 8.6 12.8#



#72
1,2,3-Trichlorobenzene
Concen: 2.22 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. 0.009 min
Lab File: VV038728.D
Acq: 18 Mar 2025 10:48

Tgt Ion:180 Resp: 5768
Ion Ratio Lower Upper
180 100
182 98.8 75.8 113.6
145 32.1 27.1 40.7



Subtracted by: Wavelength 03/18/2025
Released by: John C. Jones 03/18/2025

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2000
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Client Sample ID:
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Instrument:

