

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031725\
 Data File : VV038712.D
 Acq On : 17 Mar 2025 12:34
 Operator : SY/MD
 Sample : VSTD00513
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005213

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 17 13:53:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 17 13:51:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	331269	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	356379	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	172875	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	17813	6.44	ug/L	0.00
7) Chloroethane-d5	1.529	69	15682	6.72	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.056	65	8762	7.47	ug/L	0.00
21) 2-Butanone-d5	3.876	46	11246m	8.54	ug/L	0.09
24) Chloroform-d	4.249	84	31918	6.34	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	17398	5.85	ug/L	0.01
32) Benzene-d6	4.960	84	54748	5.33	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	17788	5.57	ug/L	0.00
41) Toluene-d8	7.243	98	42112	4.53	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.567	79	5935	3.84	ug/L	0.02
47) 2-Hexanone-d5	8.050	63	4808	4.93	ug/L	0.03
56) 1,1,2,2-Tetrachloroeth...	10.146	84	22893	5.13	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.554	152	16831	5.04	ug/L	0.00
Target Compounds						
2) Dichlorodifluoromethane	1.105	85	13557	4.46	ug/L	98
3) Chloromethane	1.217	50	17708	5.61	ug/L	99
5) Vinyl chloride	1.281	62	18322	5.69	ug/L #	1
6) Bromomethane	1.484	94	9082	4.55	ug/L	95
8) Chloroethane	1.548	64	11759	5.77	ug/L	97
9) Trichlorofluoromethane	1.709	101	22970	5.41	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	14692	6.01	ug/L	91
12) 1,1-Dichloroethene	2.066	96	12783	5.49	ug/L	88
13) Acetone	2.111	43	13231	7.28	ug/L	97
14) Carbon disulfide	2.236	76	40366	5.27	ug/L	98
15) Methyl Acetate	2.381	43	11253	4.79	ug/L	90
16) Methylene chloride	2.442	84	17760	6.32	ug/L	91
17) trans-1,2-Dichloroethene	2.693	96	13202	5.20	ug/L	96
18) Methyl tert-butyl Ether	2.696	73	33382	4.55	ug/L	96
19) 1,1-Dichloroethane	3.108	63	28685	6.16	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	13583m	5.09	ug/L	
22) 2-Butanone	3.947	43	14802m	8.57	ug/L	
23) Bromochloromethane	4.146	128	7885	5.43	ug/L #	84
25) Chloroform	4.275	83	28511	5.87	ug/L	99
27) 1,2-Dichloroethane	5.050	62	16805	4.74	ug/L	100
29) Cyclohexane	4.577	56	18111m	4.73	ug/L	
30) 1,1,1-Trichloroethane	4.503	97	23535	5.23	ug/L	93
31) Carbon tetrachloride	4.728	117	20282	5.12	ug/L	98
33) Benzene	5.008	78	51062	4.75	ug/L	100
34) Trichloroethene	5.834	95	15057	5.24	ug/L	86
35) Methylcyclohexane	6.043	83	18449	4.47	ug/L	91
37) 1,2-Dichloropropane	6.095	63	14013	5.01	ug/L #	95
38) Bromodichloromethane	6.432	83	20992	5.41	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	20159m	4.64	ug/L	
40) 4-Methyl-2-pentanone	7.165	43	22335m	7.14	ug/L	
42) Toluene	7.313	91	45655	4.09	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	18512m	4.42	ug/L	

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
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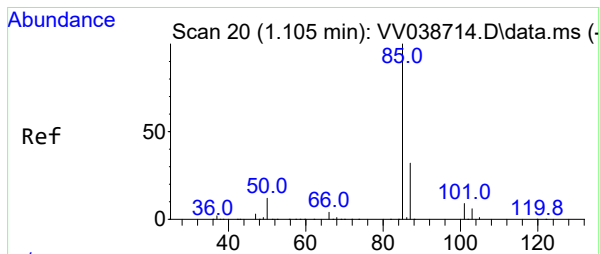
Quant Time: Mar 17 13:53:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 17 13:51:31 2025
Response via : Initial Calibration

Manual Integrations
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Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.770	97	14849	5.12	ug/L	96
46) Tetrachloroethene	7.902	164	10389	4.68	ug/L	97
48) 2-Hexanone	8.095	43	16404m	6.28	ug/L	
49) Dibromochloromethane	8.172	129	14453	4.83	ug/L	99
50) 1,2-Dibromoethane	8.284	107	13900	4.54	ug/L	85
51) Chlorobenzene	8.812	112	38514	5.02	ug/L	96
52) Ethylbenzene	8.944	91	52744	4.40	ug/L	98
53) m,p-Xylene	9.069	106	17031	3.75	ug/L	99
54) o-Xylene	9.474	106	17669	4.04	ug/L	99
55) Styrene	9.497	104	27472	3.58	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.172	83	21966	4.87	ug/L	98
59) Bromoform	9.664	173	7981	4.29	ug/L #	97
60) Isopropylbenzene	9.860	105	46062	4.36	ug/L	97
61) 1,2,3-Trichloropropane	10.204	75	14827	4.93	ug/L	96
62) 1,3,5-Trimethylbenzene	10.471	105	33014	3.89	ug/L	98
63) 1,2,4-Trimethylbenzene	10.847	105	34232	4.11	ug/L	98
64) 1,3-Dichlorobenzene	11.117	146	24373	4.49	ug/L	96
65) 1,4-Dichlorobenzene	11.201	146	28486	4.94	ug/L	93
67) 1,2-Dichlorobenzene	11.574	146	26056	4.71	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.365	75	4047	5.10	ug/L #	78
69) 1,3,5-Trichlorobenzene	12.580	180	15997	4.32	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	11512	3.69	ug/L	96
71) Naphthalene	13.442	128	26287	3.11	ug/L #	92
72) 1,2,3-Trichlorobenzene	13.676	180	11015	3.60	ug/L	98

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



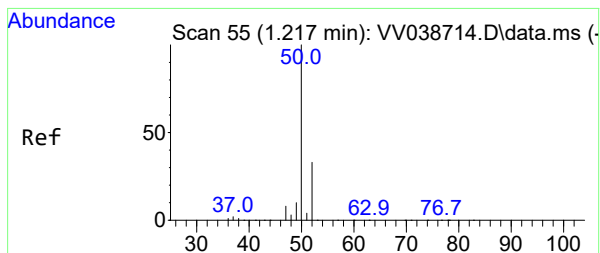
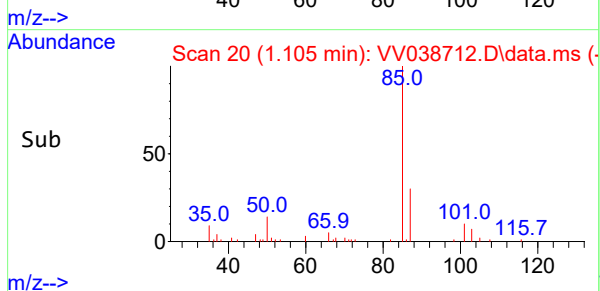
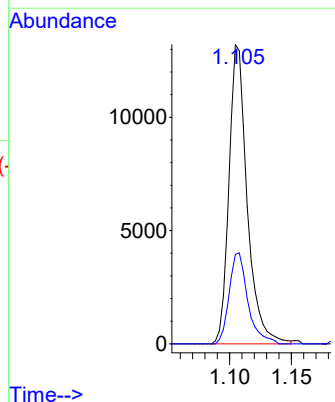
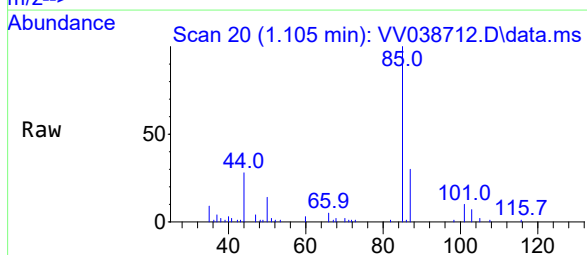
#2
Dichlorodifluoromethane
Concen: 4.46 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD005213

Tgt Ion: 85 Resp: 1355
Ion Ratio Lower Upper
85 100
87 31.2 25.8 38.6

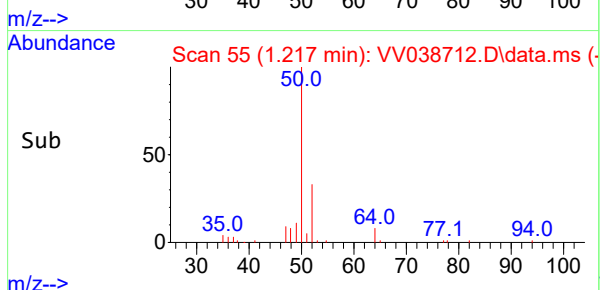
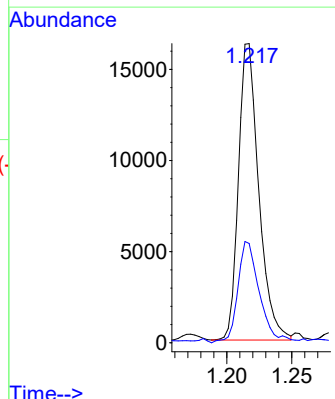
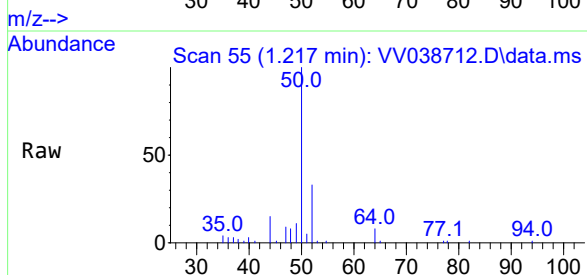
Manual Integrations
APPROVED

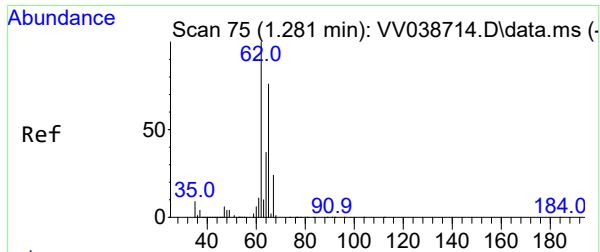
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#3
Chloromethane
Concen: 5.61 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

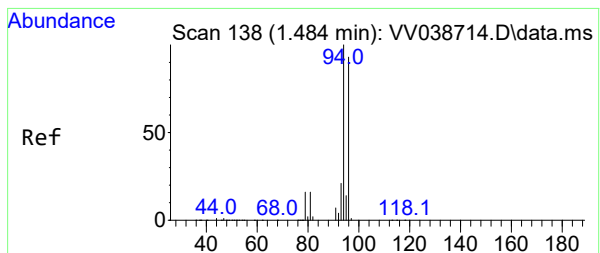
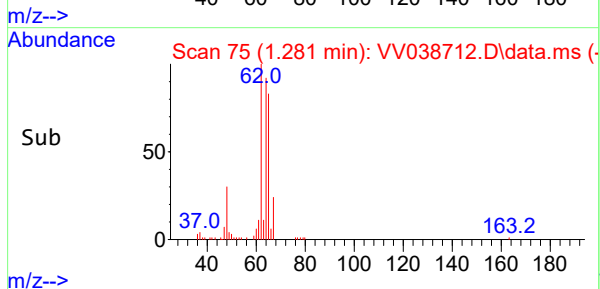
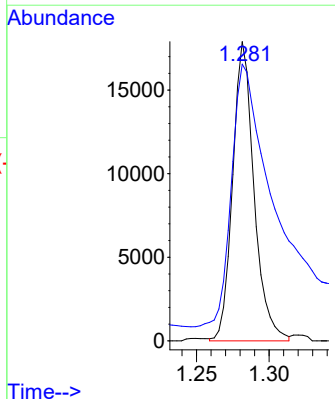
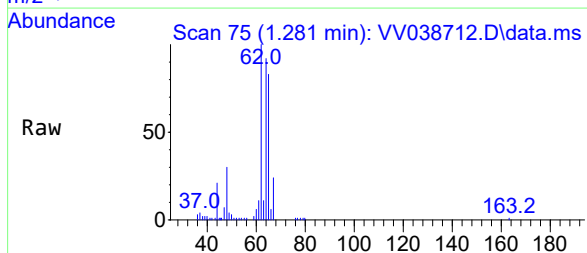
Tgt Ion: 50 Resp: 17708
Ion Ratio Lower Upper
50 100
52 33.2 22.7 42.3





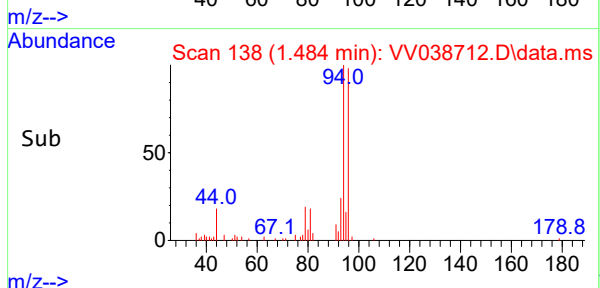
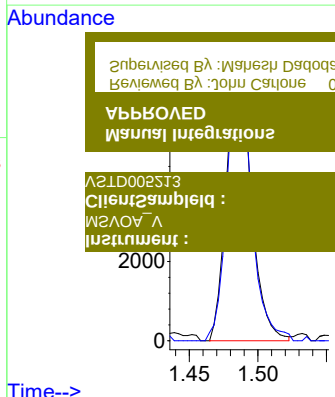
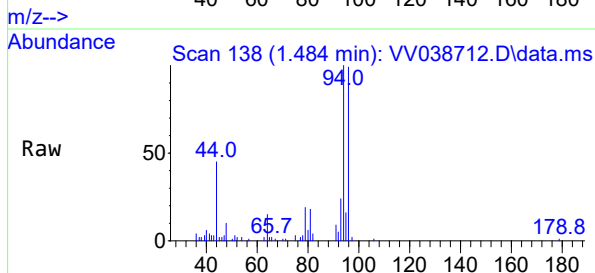
#5
 Vinyl chloride
 Concen: 5.69 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV038712.D
 Acq: 17 Mar 2025 12:34

Tgt Ion: 62 Resp: 18322
 Ion Ratio Lower Upper
 62 100
 64 92.5 22.8 42.4#



#6
 Bromomethane
 Concen: 4.55 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV038712.D
 Acq: 17 Mar 2025 12:34

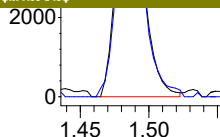
Tgt Ion: 94 Resp: 9082
 Ion Ratio Lower Upper
 94 100
 96 99.1 66.1 122.8

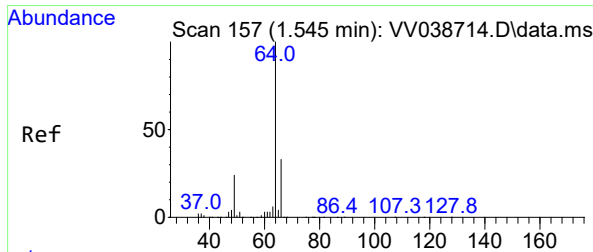


Submitted by: Mafresh Daboda 03/18/2025
 Reviewed by: John C. Hogue 03/18/2025

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 Manual Integrations

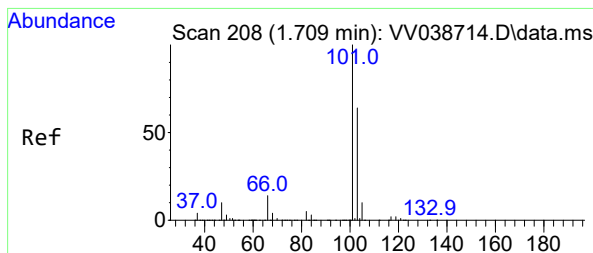
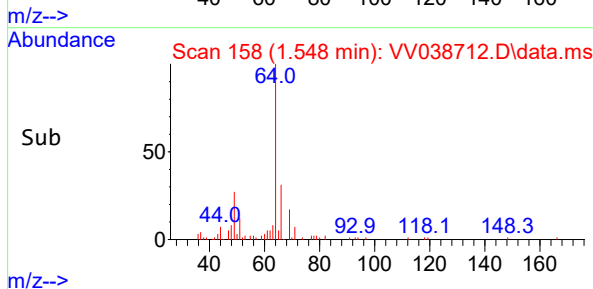
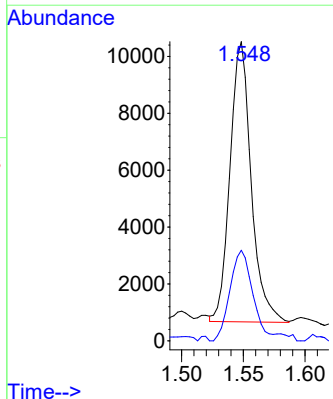
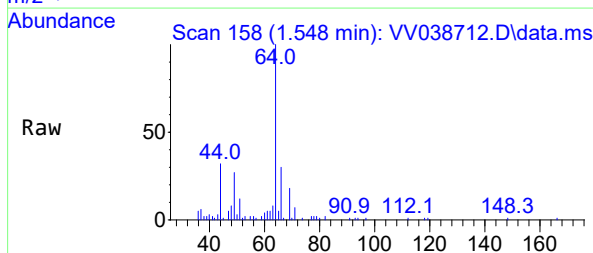
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 Client Sample ID :
 MS/MS
 Instrument :





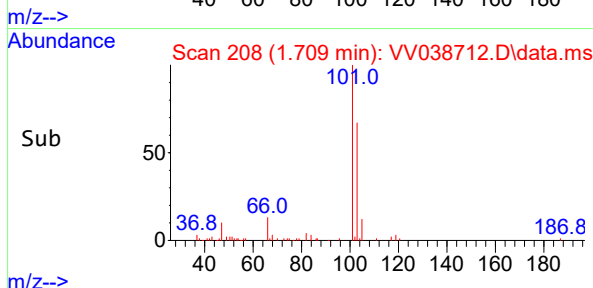
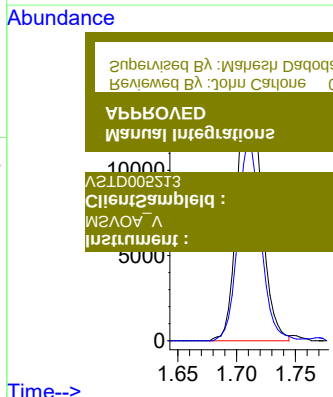
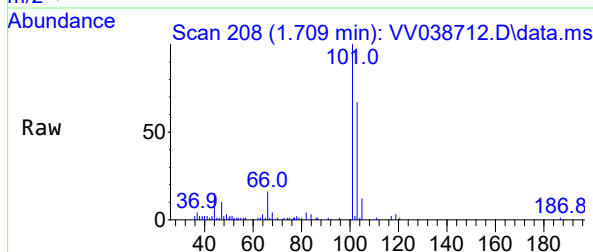
#8
Chloroethane
Concen: 5.77 ug/L
RT: 1.548 min Scan# 158
Delta R.T. 0.003 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion: 64 Resp: 11759
Ion Ratio Lower Upper
64 100
66 30.3 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.41 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion:101 Resp: 22970
Ion Ratio Lower Upper
101 100
103 69.1 51.7 77.5

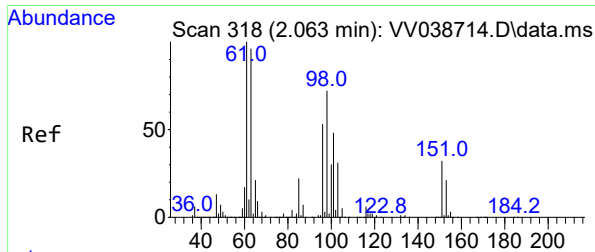


Submitted by: Magesh Dabodu 03/18/2025
Reviewed by: John C. Jones 03/18/2025

APPROVED

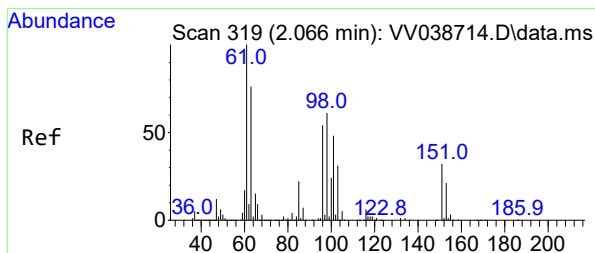
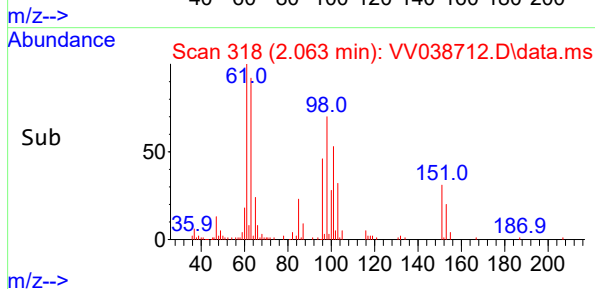
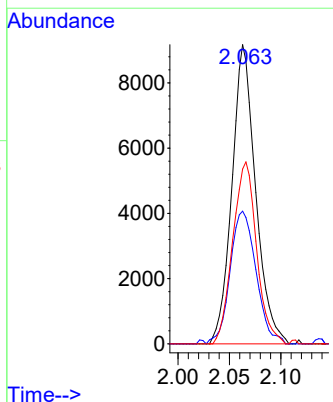
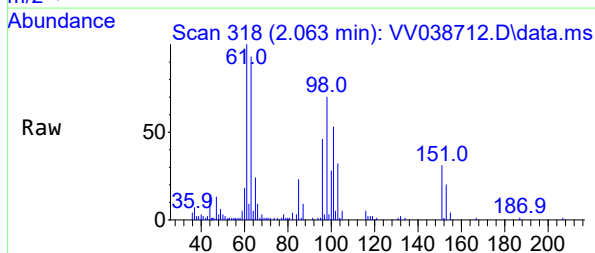
Manual Integrations

Client Sample ID: 121000213
MS/MS
Instrument:



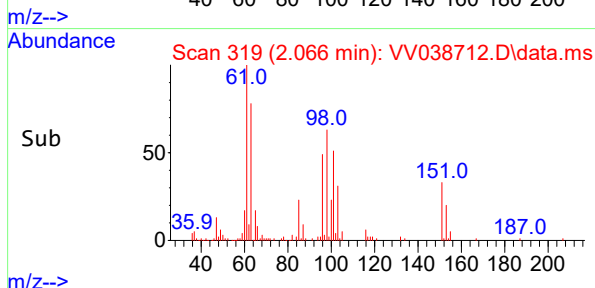
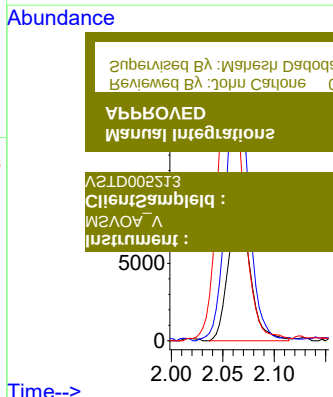
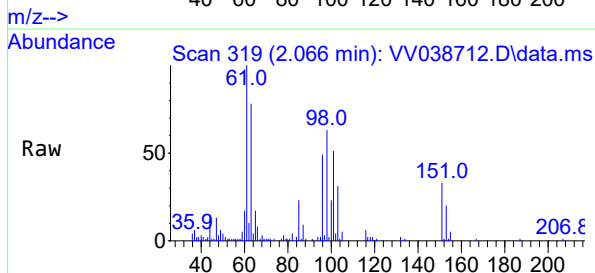
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 6.01 ug/L
RT: 2.063 min Scan# 318
Delta R.T. 0.000 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion: 101 Resp: 14692
Ion Ratio Lower Upper
101 100
85 48.6 34.7 52.1
151 61.3 55.3 82.9



#12
1,1-Dichloroethene
Concen: 5.49 ug/L
RT: 2.066 min Scan# 319
Delta R.T. 0.000 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

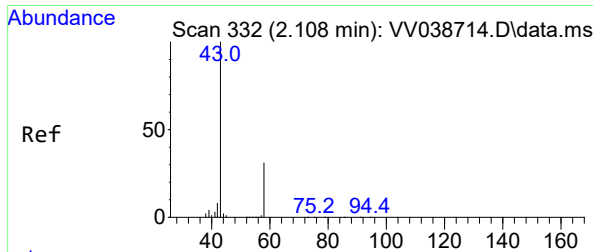
Tgt Ion: 96 Resp: 12783
Ion Ratio Lower Upper
96 100
61 203.2 120.9 224.5
63 159.5 110.9 205.9



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

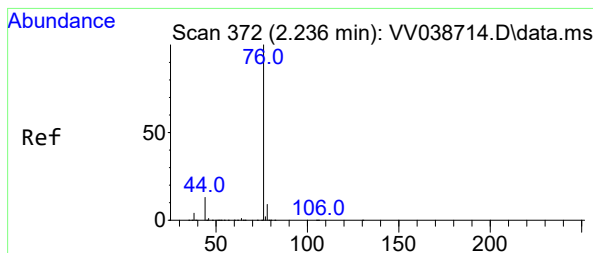
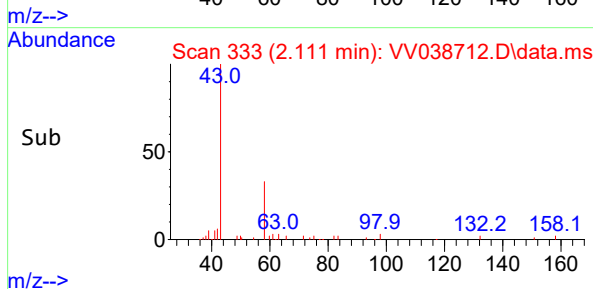
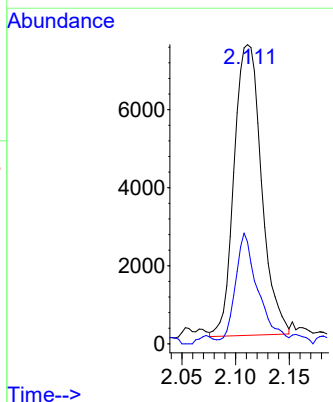
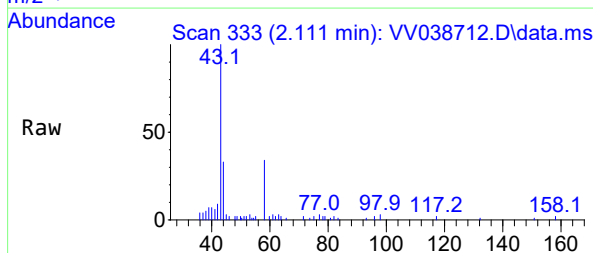
APPROVED
Manual Integrations

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MS/MS
Instrument :



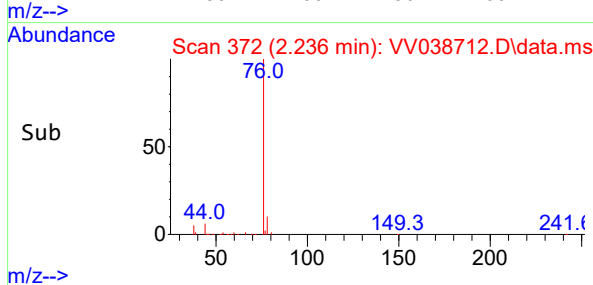
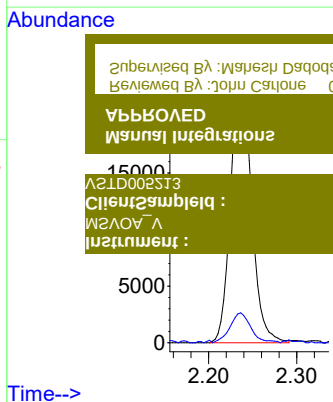
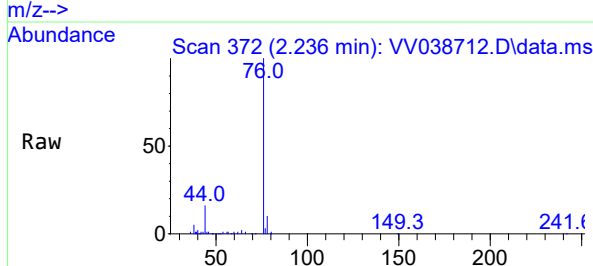
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Acetone
Concen: 7.28 ug/L
RT: 2.111 min Scan# 333
Delta R.T. 0.003 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion: 43 Resp: 13231
Ion Ratio Lower Upper
43 100
58 32.1 0.0 67.2



#14
Carbon disulfide
Concen: 5.27 ug/L
RT: 2.236 min Scan# 372
Delta R.T. 0.000 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

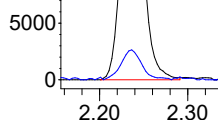
Tgt Ion: 76 Resp: 40366
Ion Ratio Lower Upper
76 100
78 10.0 7.4 11.0

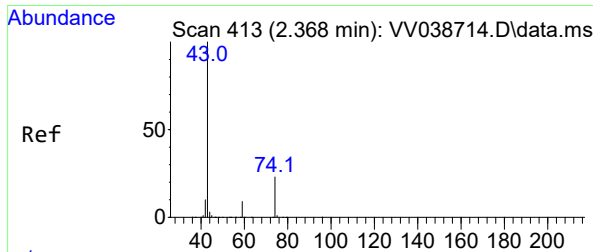


Subtracted by: Mafresh Dabodra 03/18/2025
Reviewed by: John Catione 03/18/2025

APPROVED
Manual Integrations

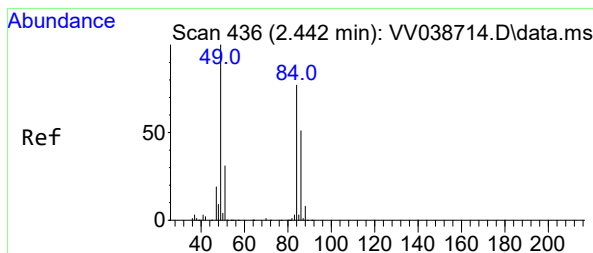
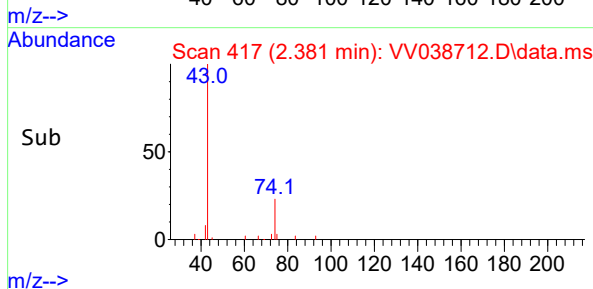
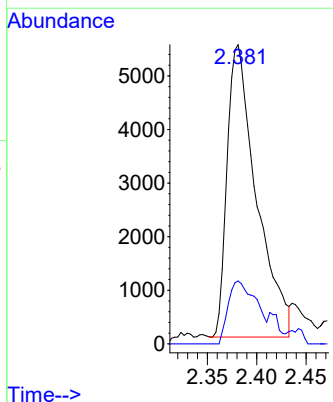
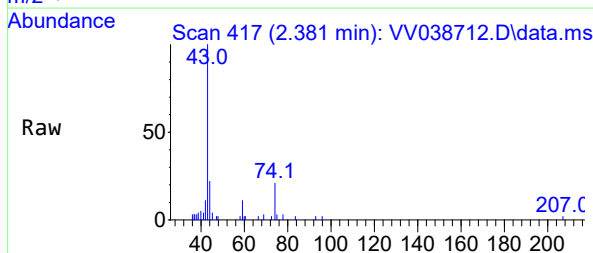
15000
Client Sample ID :
MS/MS
Instrument :





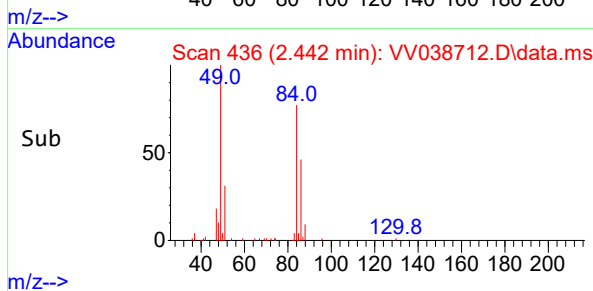
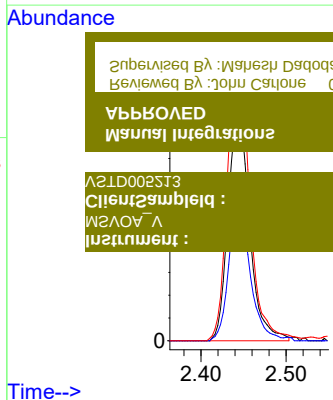
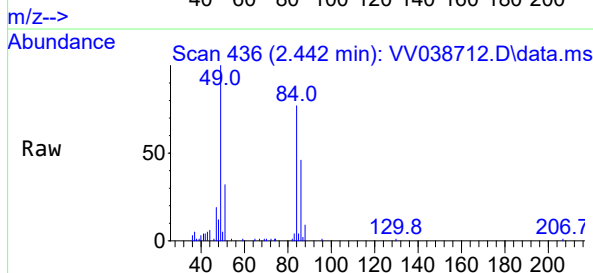
#15
Methyl Acetate
Concen: 4.79 ug/L
RT: 2.381 min Scan# 417
Delta R.T. 0.013 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion: 43 Resp: 11253
Ion Ratio Lower Upper
43 100
74 20.7 20.6 31.0



#16
Methylene chloride
Concen: 6.32 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.000 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion: 84 Resp: 17760
Ion Ratio Lower Upper
84 100
86 59.4 44.5 82.7
49 129.4 81.7 151.7

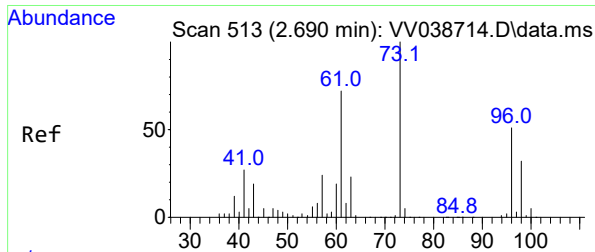


Submitted by: Magesh Dabodu 03/18/2025
Reviewed by: John Carone 03/18/2025

APPROVED

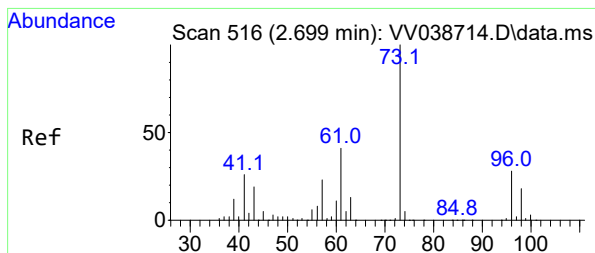
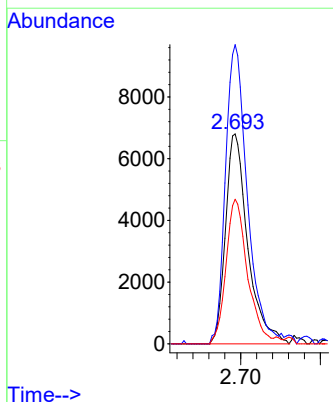
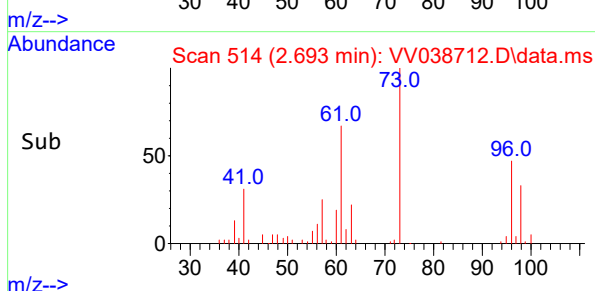
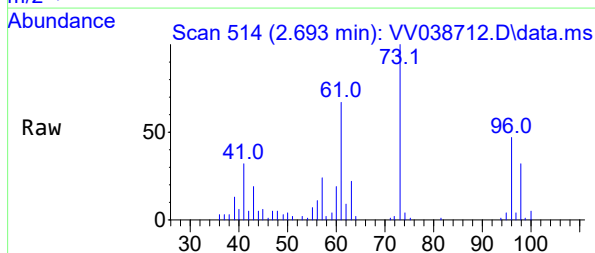
Manual Integrations

Client Sampled:
Instrument:



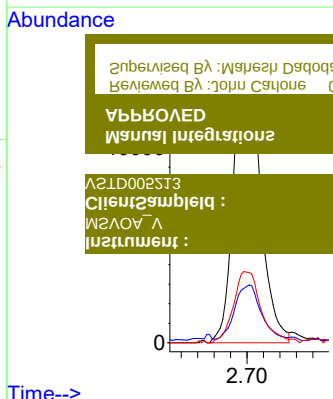
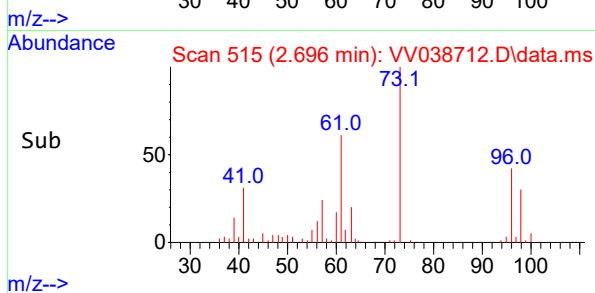
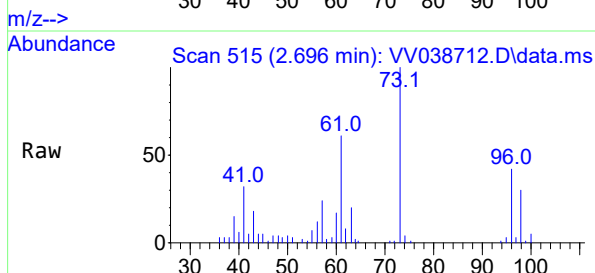
#17
trans-1,2-Dichloroethene
Concen: 5.20 ug/L
RT: 2.693 min Scan# 514
Delta R.T. 0.003 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion: 96 Resp: 13202
Ion Ratio Lower Upper
96 100
61 142.5 95.7 177.7
98 68.9 46.4 86.2



#18
Methyl tert-butyl Ether
Concen: 4.55 ug/L
RT: 2.696 min Scan# 515
Delta R.T. -0.003 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

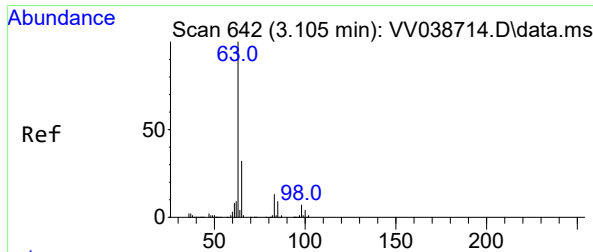
Tgt Ion: 73 Resp: 33382
Ion Ratio Lower Upper
73 100
43 18.1 14.7 22.1
57 25.2 17.7 26.5



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

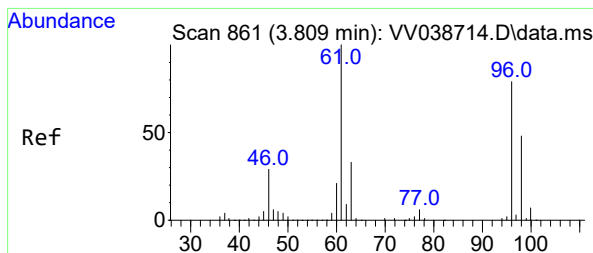
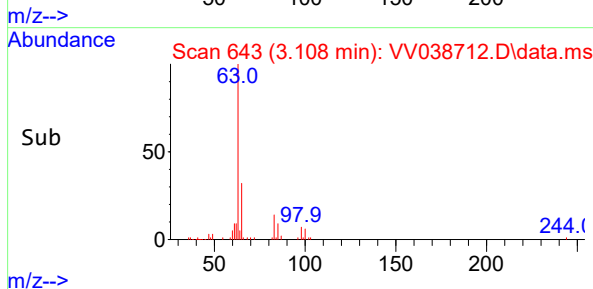
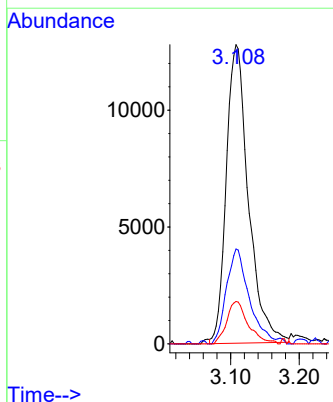
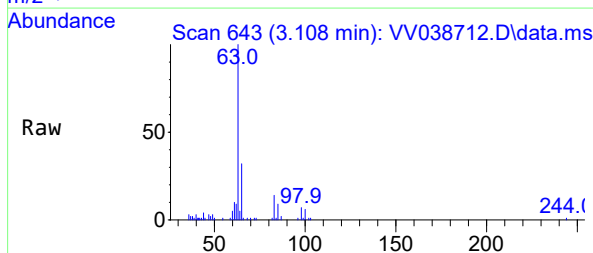
APPROVED
Manual Integrations

Client Sample ID :
MS/MS
Instrument :



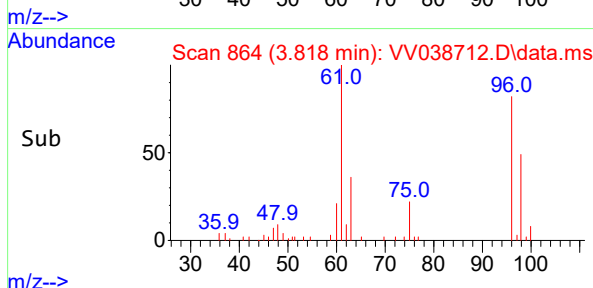
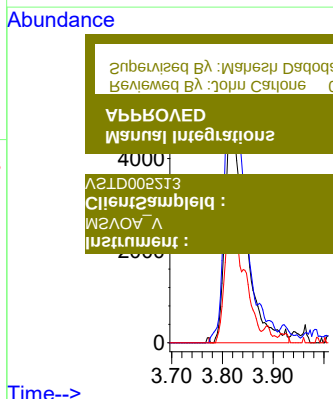
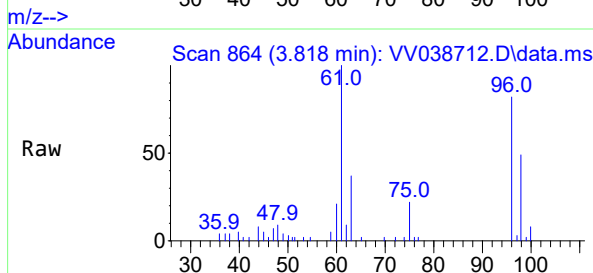
#19
1,1-Dichloroethane
Concen: 6.16 ug/L
RT: 3.108 min Scan# 643
Delta R.T. 0.003 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion:	63	Resp:	28685
Ion Ratio	Lower	Upper	
63	100		
65	31.7	22.6	42.0
83	14.2	9.8	18.2



#20
cis-1,2-Dichloroethene
Concen: 5.09 ug/L m
RT: 3.818 min Scan# 864
Delta R.T. 0.010 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

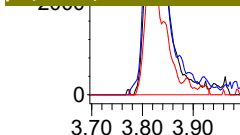
Tgt Ion:	96	Resp:	13583
Ion Ratio	Lower	Upper	
96	100		
61	122.3	83.5	155.1
98	59.7	44.6	82.8

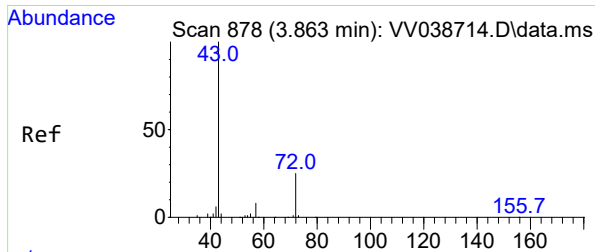


Substrate: 1,1-Dichloroethane
Reference: 1,1-Dichloroethane

APPROVED
Manual Integration

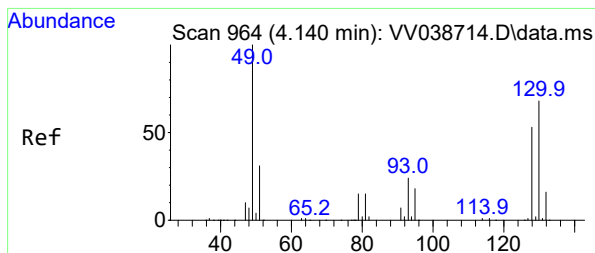
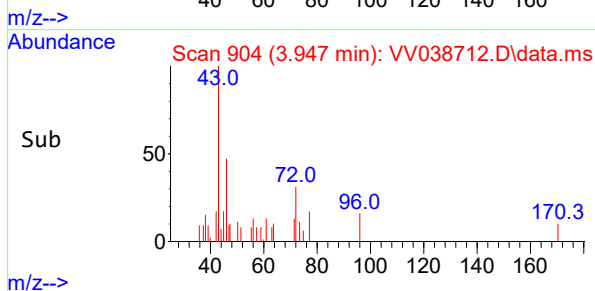
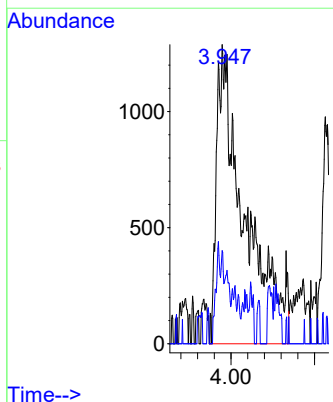
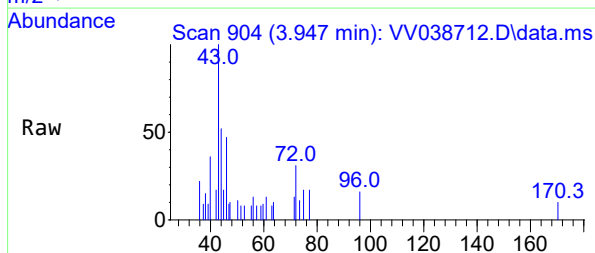
Client Sample ID:
MS/MS
Instrument:





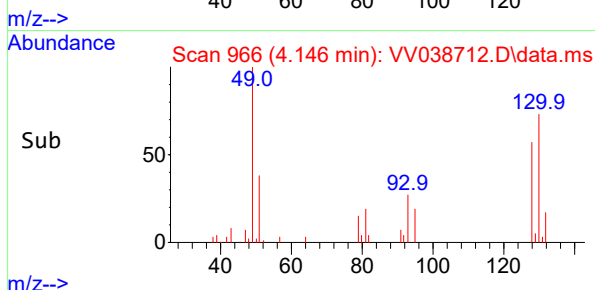
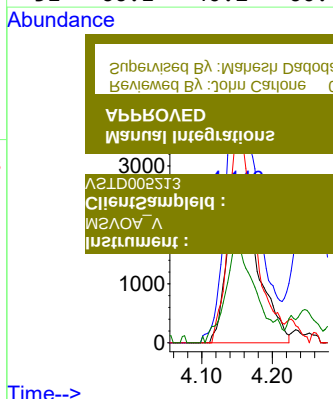
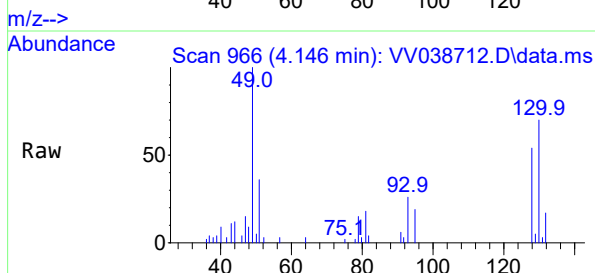
#22
2-Butanone
Concen: 8.57 ug/L m
RT: 3.947 min Scan# 904
Delta R.T. 0.084 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion: 43 Resp: 14802
Ion Ratio Lower Upper
43 100
72 0.5 12.5 37.5#



#23
Bromochloromethane
Concen: 5.43 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.006 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

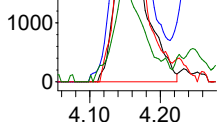
Tgt Ion:128 Resp: 7885
Ion Ratio Lower Upper
128 100
49 183.6 106.7 198.3
130 129.0 93.2 173.2
51 66.1 40.2 60.4#

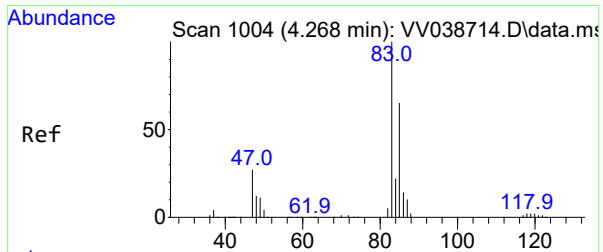


Submitted by : Maryam Dabdar 03/18/2025
Reviewed by : John C. Jones 03/18/2025

APPROVED
Manual Integrations

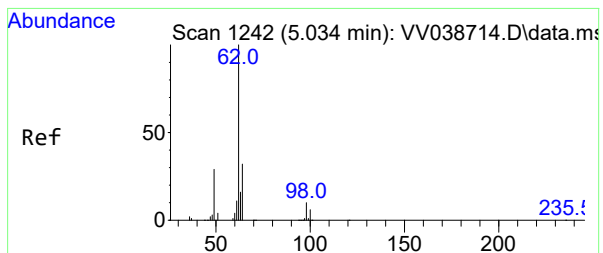
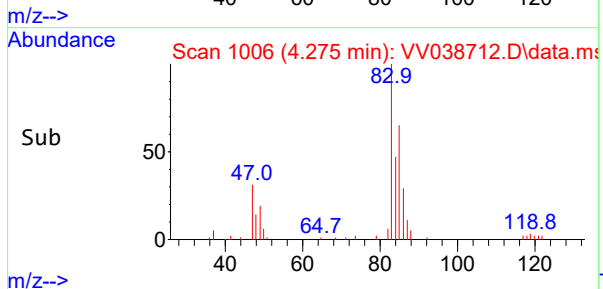
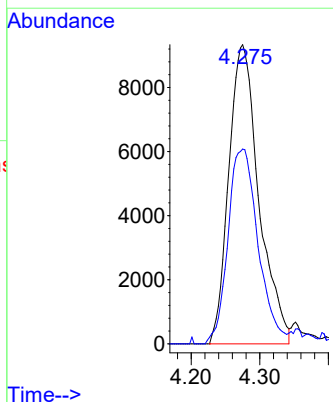
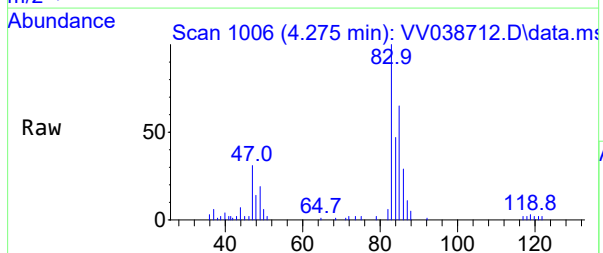
3000
V21D002513
Client Sample ID :
MS/MS
Instrument :





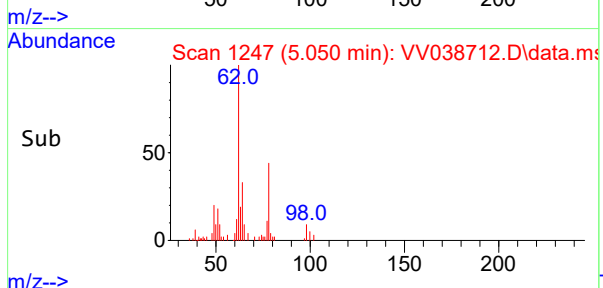
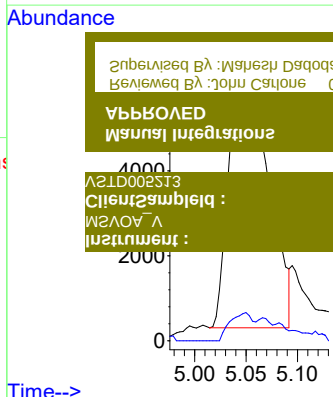
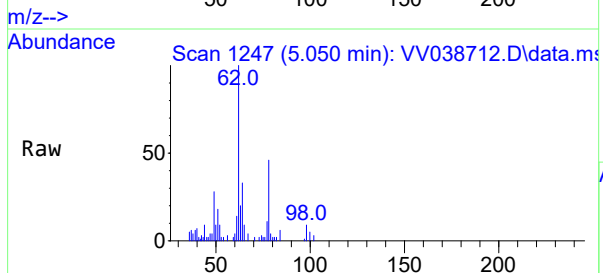
#25
Chloroform
Concen: 5.87 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. 0.006 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion: 83 Resp: 28511
Ion Ratio Lower Upper
83 100
85 65.1 45.2 84.0



#27
1,2-Dichloroethane
Concen: 4.74 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. 0.016 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

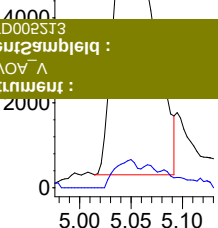
Tgt Ion: 62 Resp: 16805
Ion Ratio Lower Upper
62 100
98 9.4 7.5 11.3

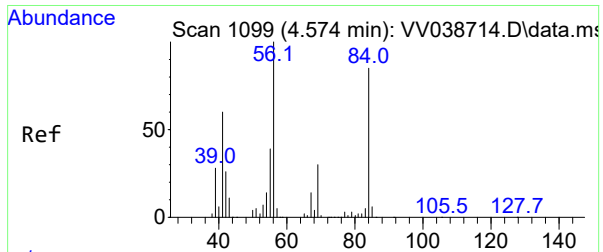


Submitted by: Magesh Dabodu 03/18/2025
Reviewed by: John Carone 03/18/2025

APPROVED
Manual Integrations

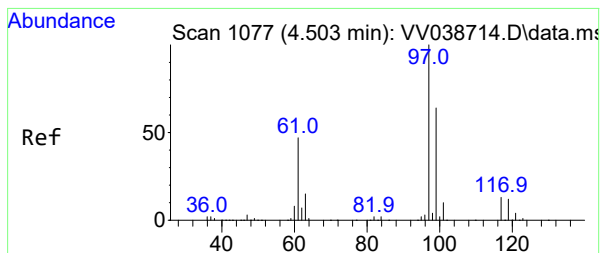
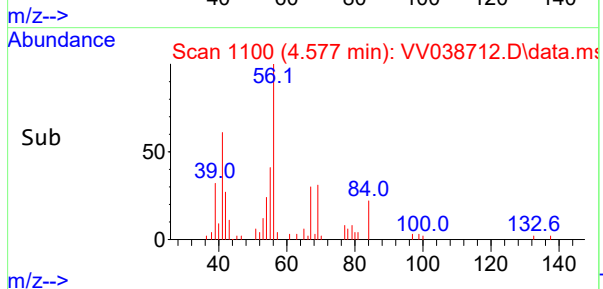
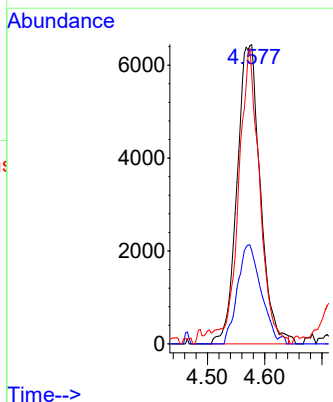
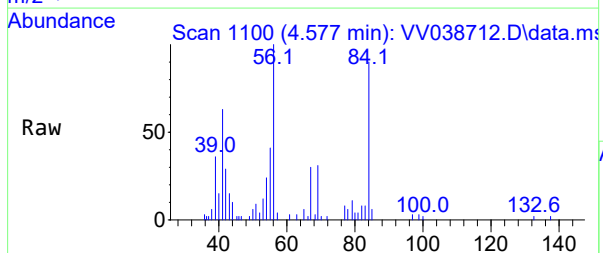
Client Sample ID:
Instrument:





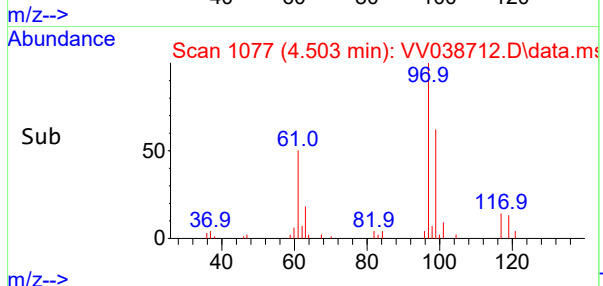
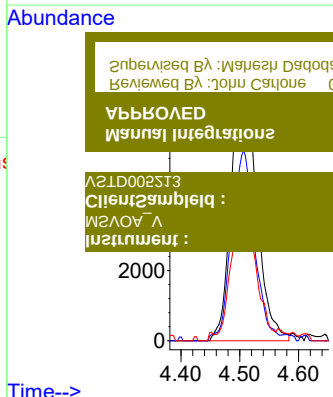
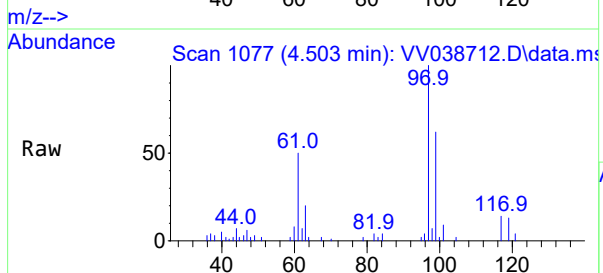
#29
Cyclohexane
Concen: 4.73 ug/L m
RT: 4.577 min Scan# 1100
Delta R.T. 0.003 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion: 56 Resp: 18111
Ion Ratio Lower Upper
56 100
69 33.3 24.8 37.2
84 87.5 73.7 110.5



#30
1,1,1-Trichloroethane
Concen: 5.23 ug/L
RT: 4.503 min Scan# 1077
Delta R.T. 0.000 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

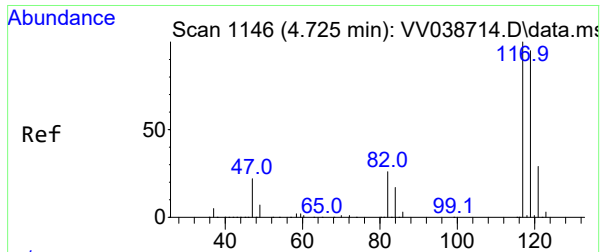
Tgt Ion: 97 Resp: 23535
Ion Ratio Lower Upper
97 100
99 62.4 52.3 78.5
61 49.9 33.6 50.4



Submitted by: Magesh Dabodu 03/10/2025
Reviewed by: John Carone 03/10/2025

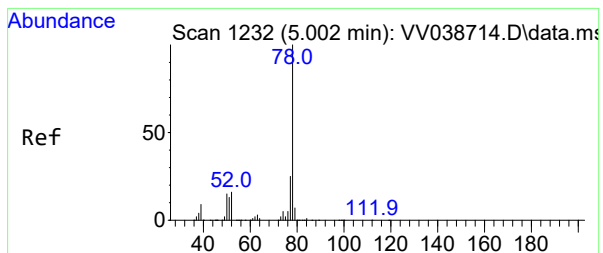
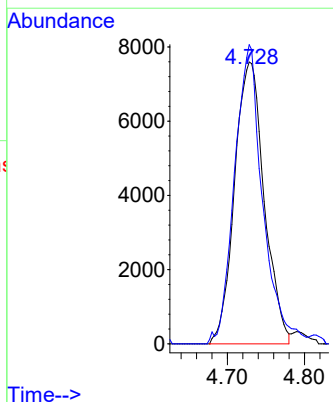
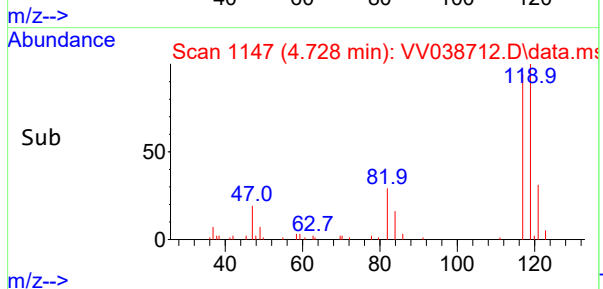
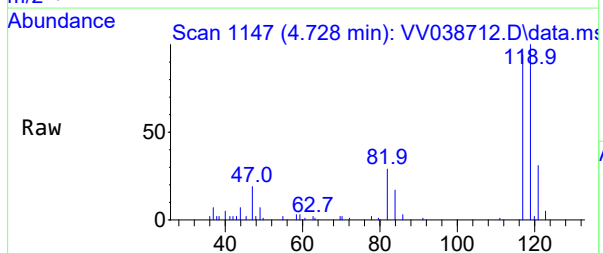
APPROVED
Manual integrations

MS10000003
Client Sample ID :
MS10000003
Instrument :



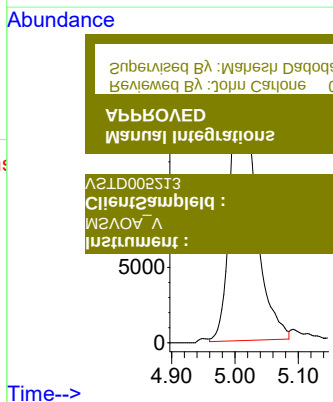
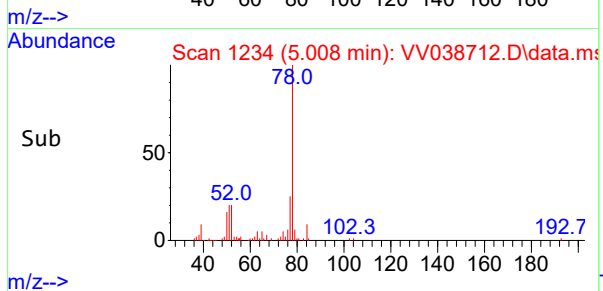
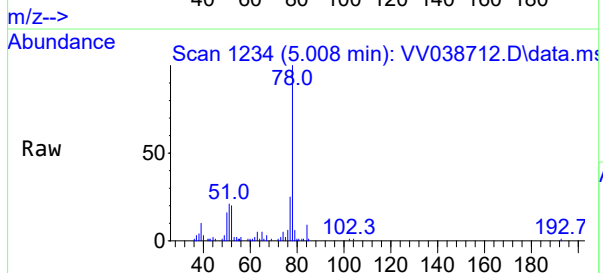
#31
Carbon tetrachloride
Concen: 5.12 ug/L
RT: 4.728 min Scan# 1147
Delta R.T. 0.003 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion:117 Resp: 20282
Ion Ratio Lower Upper
117 100
119 95.6 77.7 116.5

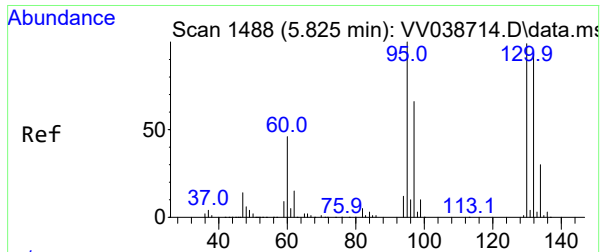


#33
Benzene
Concen: 4.75 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.006 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion: 78 Resp: 51062

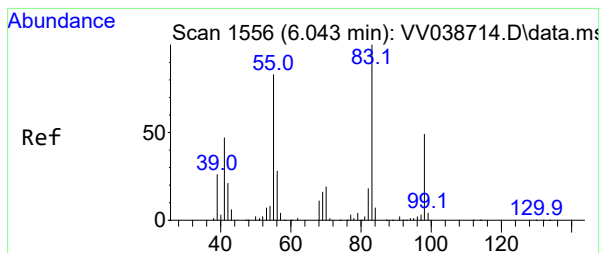
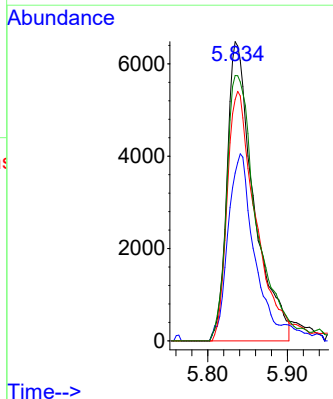
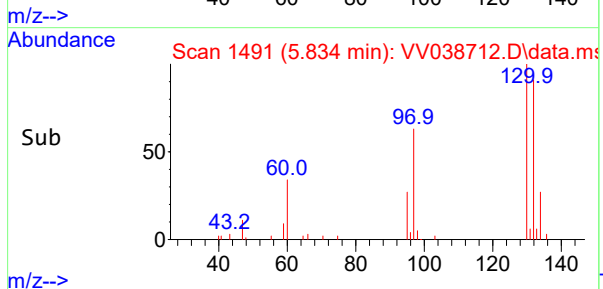
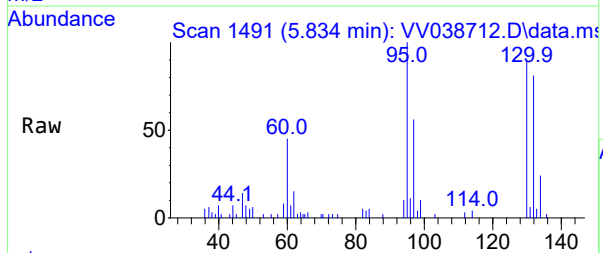


Submitted by : Manish Dabode 03/18/2025
Reviewed by : John Carone 03/18/2025
APPROVED
Manual integrations
V21D0025T3
Client Sampled :
MS/MS
Instrument :



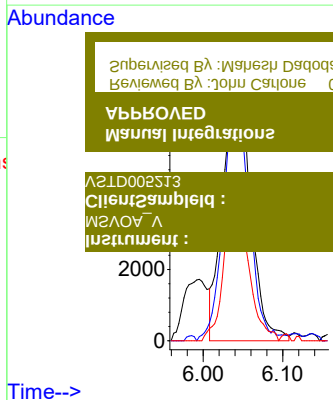
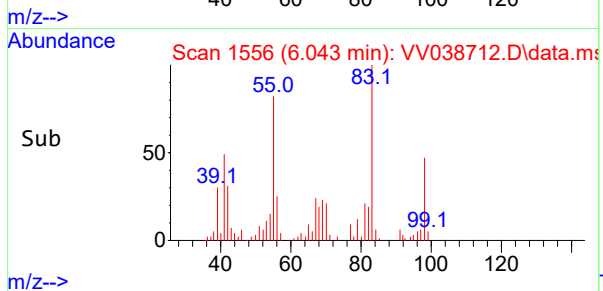
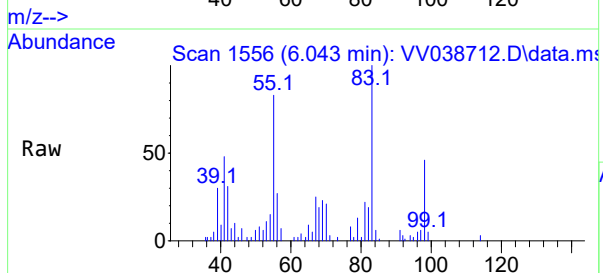
#34
Trichloroethene
Concen: 5.24 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. 0.010 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion:	95	Resp:	15057
Ion	Ratio	Lower	Upper
95	100		
97	56.1	45.6	84.8
132	80.7	67.6	125.6
130	88.7	70.8	131.6



#35
Methylcyclohexane
Concen: 4.47 ug/L
RT: 6.043 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

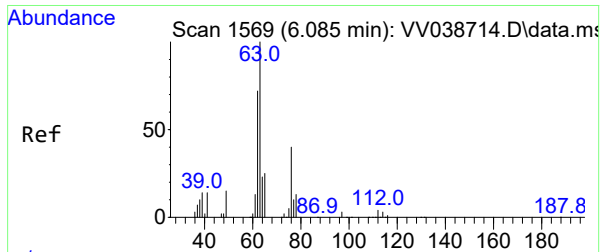
Tgt Ion:	83	Resp:	18449
Ion	Ratio	Lower	Upper
83	100		
55	82.9	59.0	88.6
98	45.9	39.5	59.3



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

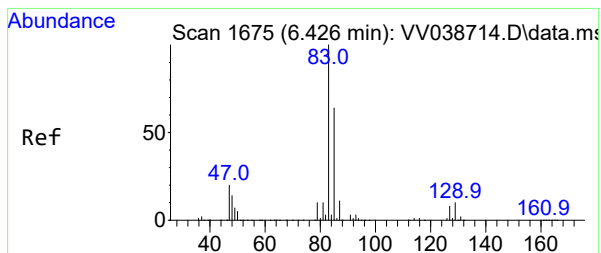
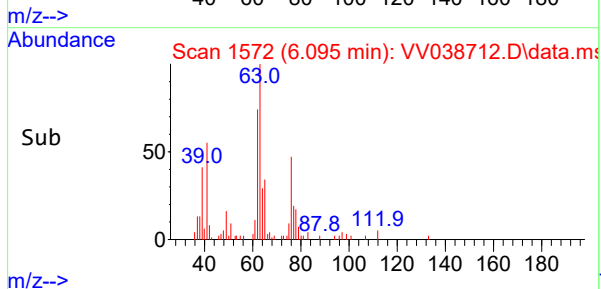
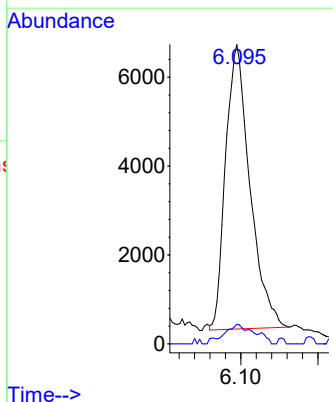
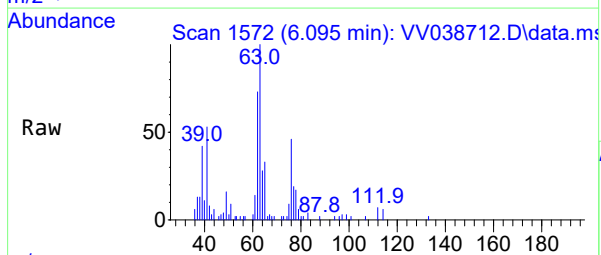
APPROVED
Manual integrations

121000213
Client Sample ID :
MS/MS
Instrument :



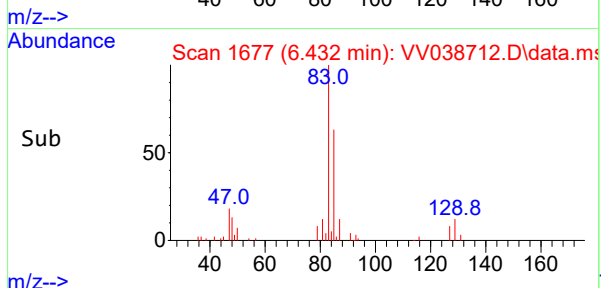
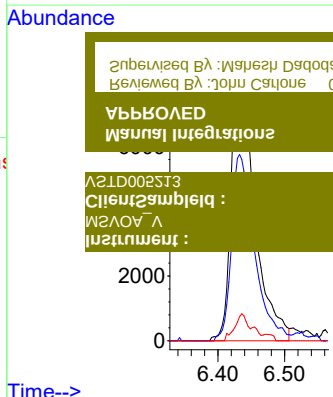
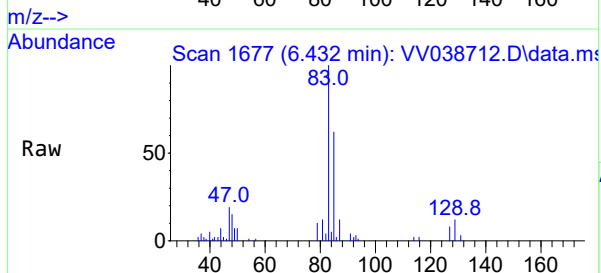
#37
1,2-Dichloropropane
Concen: 5.01 ug/L
RT: 6.095 min Scan# 1572
Delta R.T. 0.010 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion: 63 Resp: 14013
Ion Ratio Lower Upper
63 100
112 3.0 3.8 5.6#



#38
Bromodichloromethane
Concen: 5.41 ug/L
RT: 6.432 min Scan# 1677
Delta R.T. 0.006 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

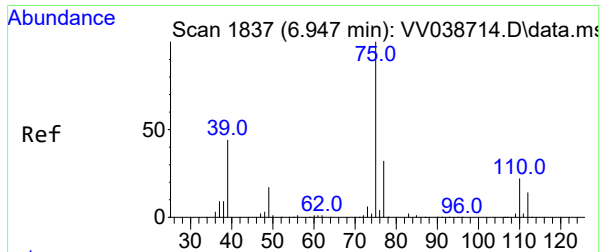
Tgt Ion: 83 Resp: 20992
Ion Ratio Lower Upper
83 100
85 62.3 44.9 83.5
127 8.1 6.8 10.2



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Reviewed by: John C. Jones 03/18/2025

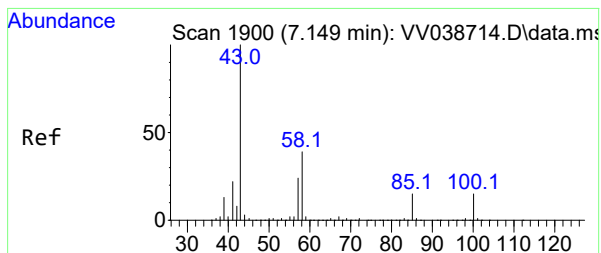
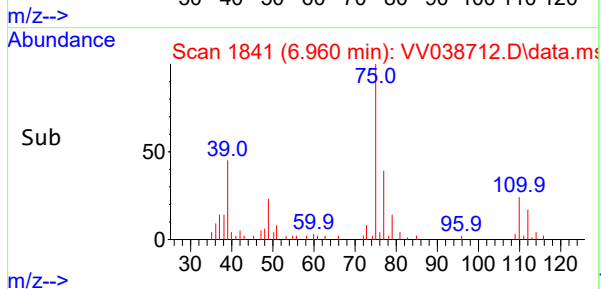
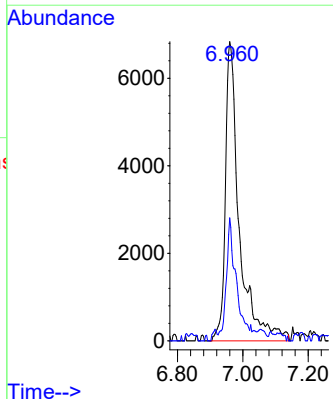
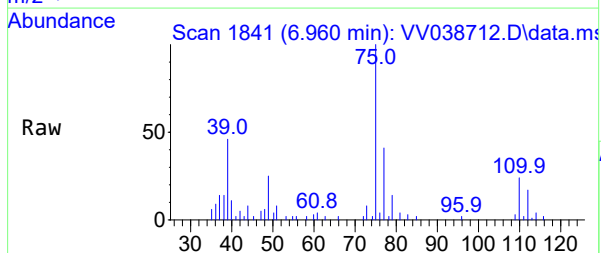
APPROVED
Manual Integrations

Client Sample ID :
MS/MS
Instrument :



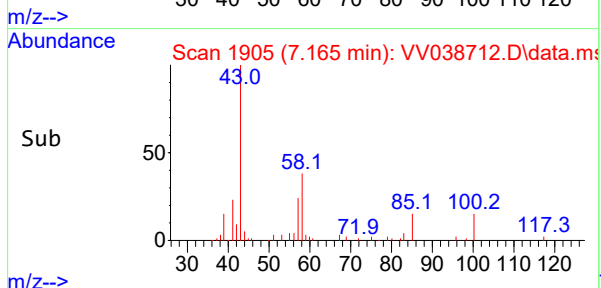
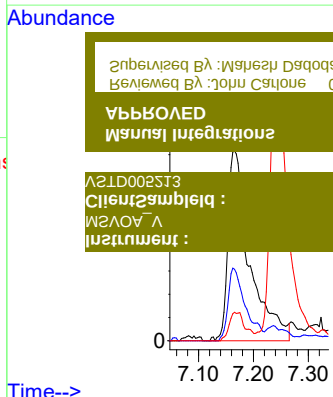
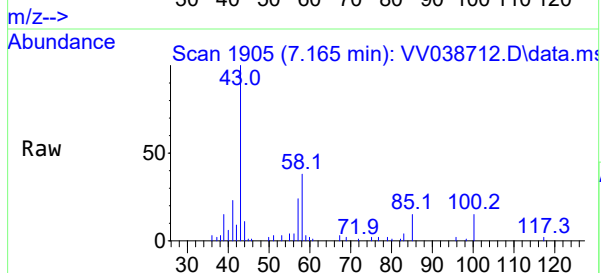
#39
cis-1,3-Dichloropropene
Concen: 4.64 ug/L m
RT: 6.960 min Scan# 1841
Delta R.T. 0.013 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion: 75 Resp: 20159
Ion Ratio Lower Upper
75 100
77 41.1 21.9 40.7#



#40
4-Methyl-2-pentanone
Concen: 7.14 ug/L m
RT: 7.165 min Scan# 1905
Delta R.T. 0.016 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

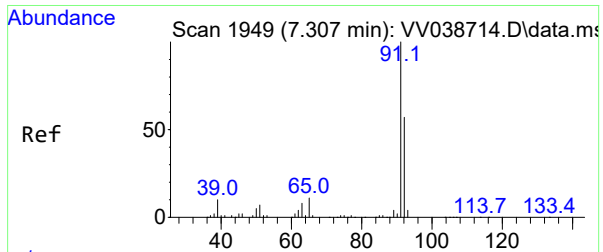
Tgt Ion: 43 Resp: 22335
Ion Ratio Lower Upper
43 100
58 28.0 32.7 49.1#
100 5.3 13.7 20.5#



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

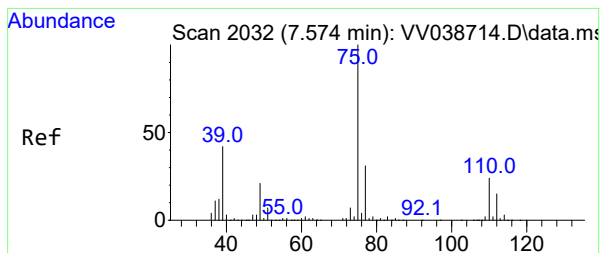
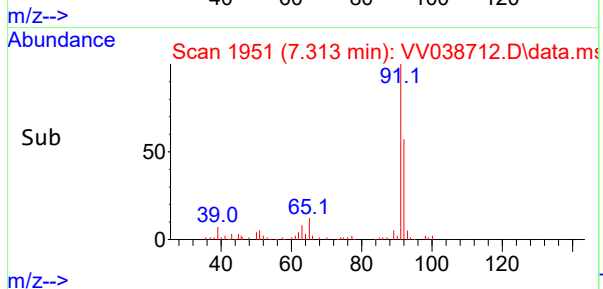
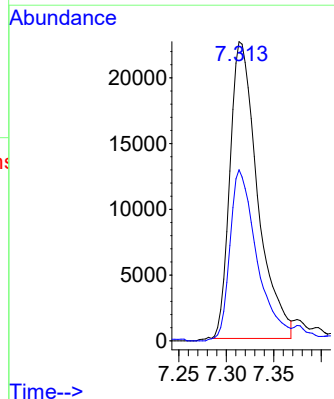
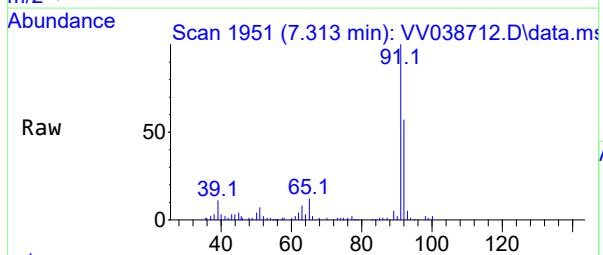
APPROVED
Manual integrations

MS2000S13
Client Sample ID :
MS2000S13
Instrument :



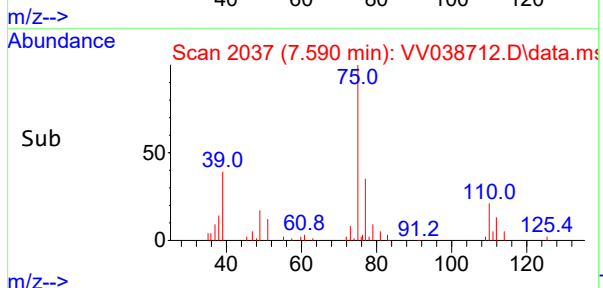
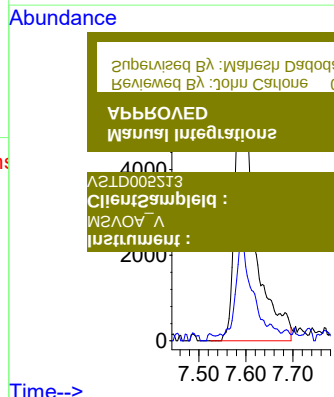
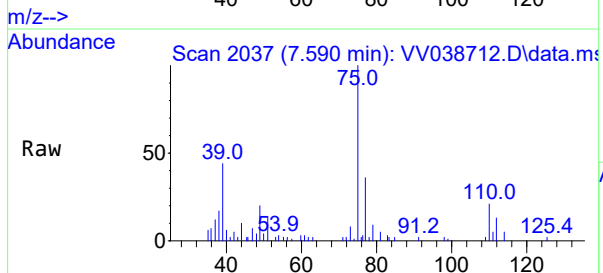
#42
Toluene
Concen: 4.09 ug/L
RT: 7.313 min Scan# 1951
Delta R.T. 0.006 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion: 91 Resp: 45655
Ion Ratio Lower Upper
91 100
92 57.2 41.2 76.4



#44
trans-1,3-Dichloropropene
Concen: 4.42 ug/L m
RT: 7.590 min Scan# 2037
Delta R.T. 0.016 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

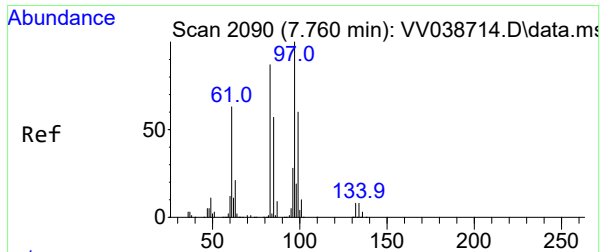
Tgt Ion: 75 Resp: 18512
Ion Ratio Lower Upper
75 100
77 36.0 22.7 42.1



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Reviewed by: John Carlow 03/18/2025

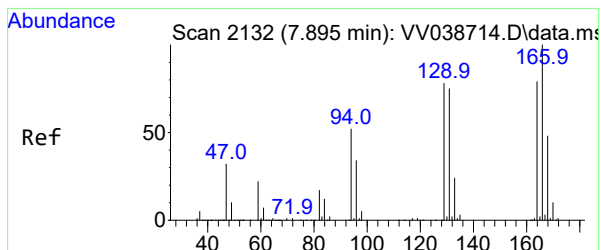
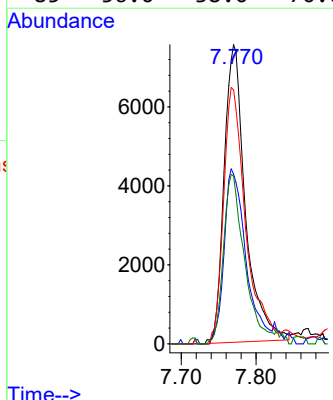
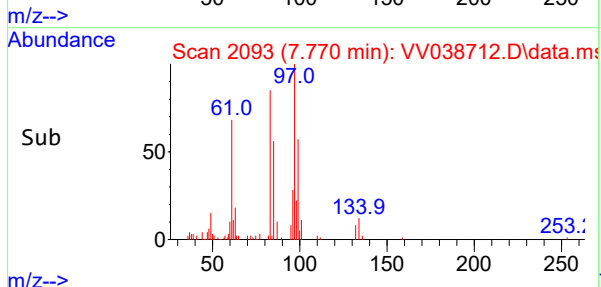
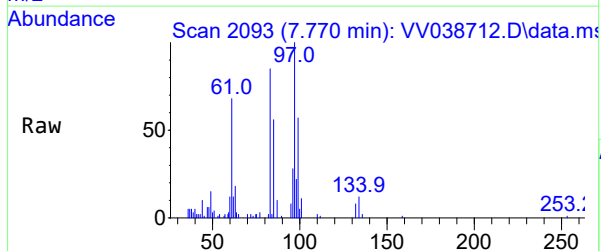
APPROVED
Manual Integrations

Client Sample ID:
MS/MS
Instrument:



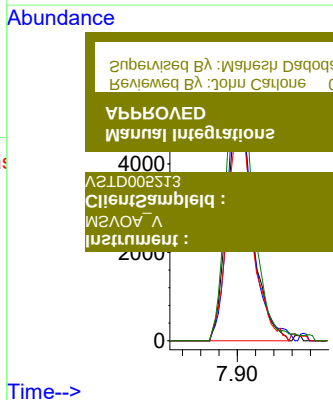
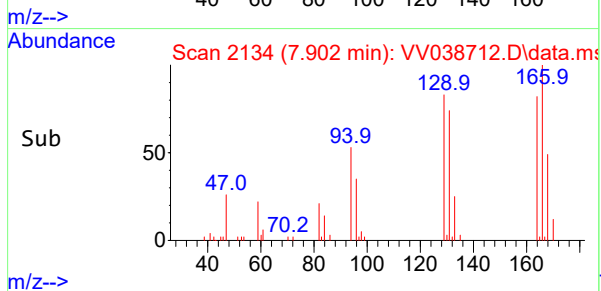
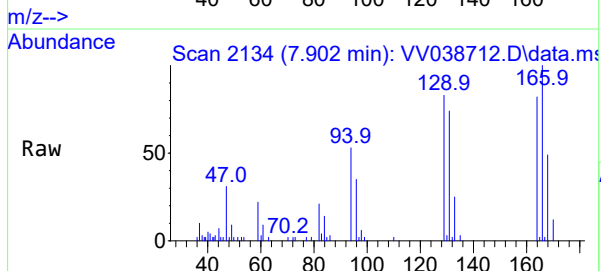
#45
1,1,2-Trichloroethane
Concen: 5.12 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. 0.010 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion:	97	Resp:	14849
Ion	Ratio	Lower	Upper
97	100		
99	56.7	43.6	81.0
83	84.9	60.5	112.5
85	56.0	38.0	70.6



#46
Tetrachloroethene
Concen: 4.68 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.006 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

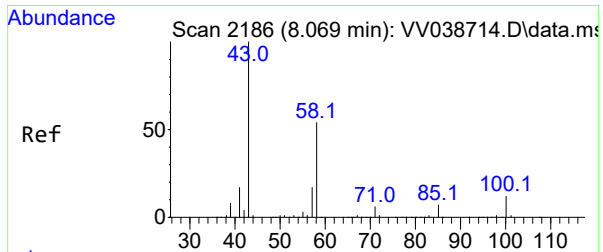
Tgt Ion:	164	Resp:	10389
Ion	Ratio	Lower	Upper
164	100		
129	101.1	69.2	128.4
131	90.8	63.1	117.3
166	121.9	89.7	166.5



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

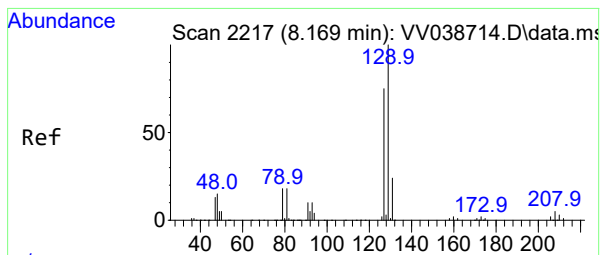
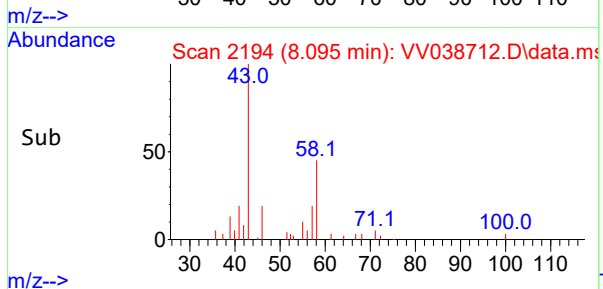
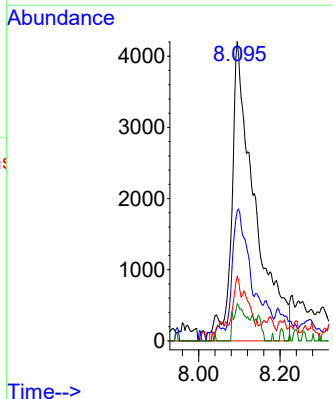
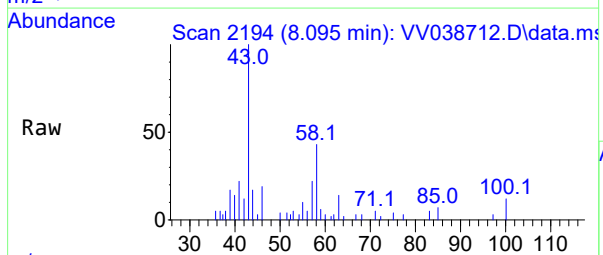
APPROVED
Manual integrations

4000
M21D008213
Client Sample ID :
M21A047A
Instrument :



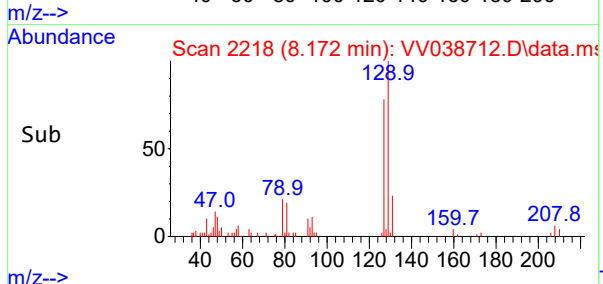
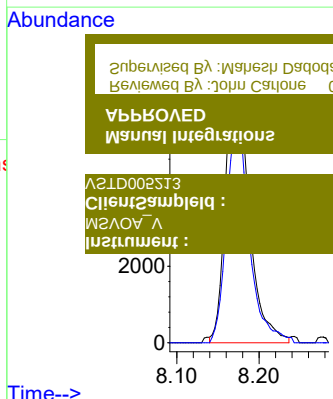
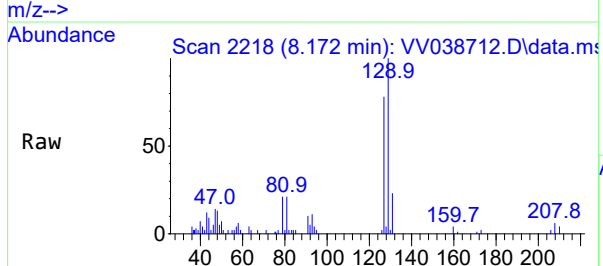
#48
2-Hexanone
Concen: 6.28 ug/L m
RT: 8.095 min Scan# 2194
Delta R.T. 0.026 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion: 43 Resp: 16404
Ion Ratio Lower Upper
43 100
58 0.4 48.0 72.0#
57 2.0 15.5 23.3#
100 0.0 11.0 16.4#



#49
Dibromochloromethane
Concen: 4.83 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.003 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

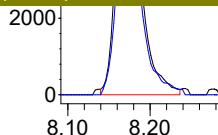
Tgt Ion: 129 Resp: 14453
Ion Ratio Lower Upper
129 100
127 77.5 53.8 100.0

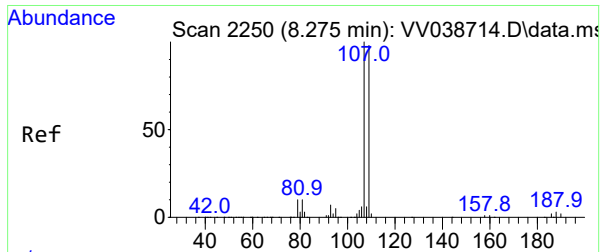


Submitted by: Magesh Dabodu 03/18/2025
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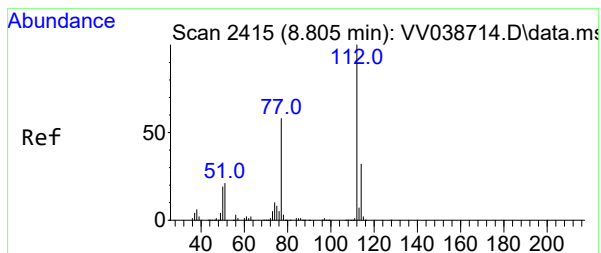
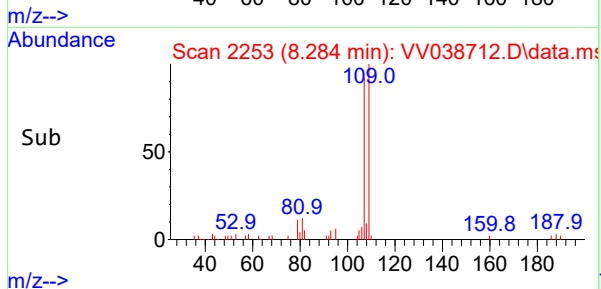
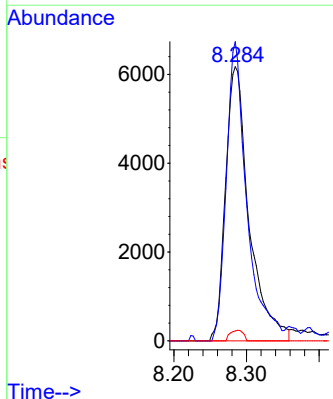
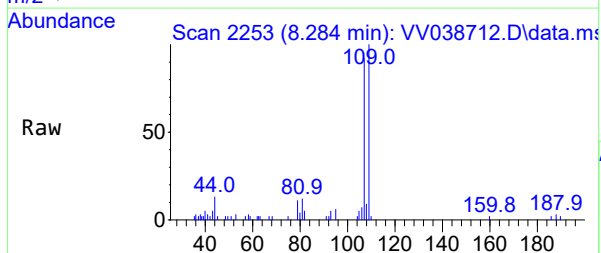
Client Sample ID :
MS/MS
Instrument :





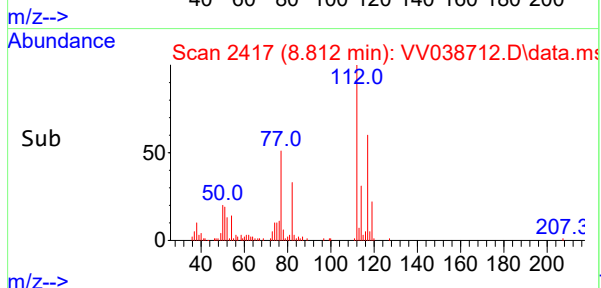
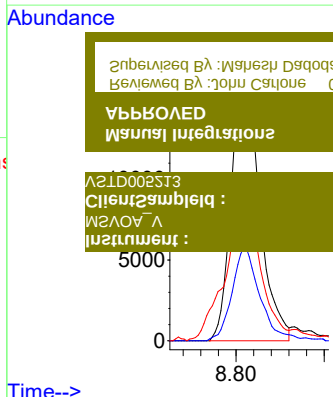
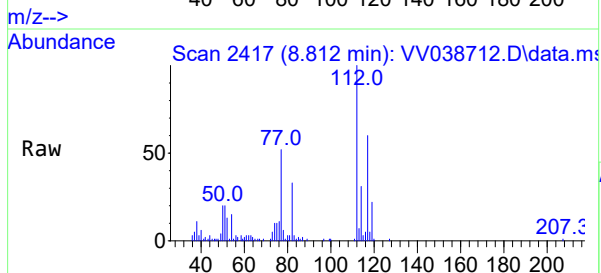
#50
1,2-Dibromoethane
Concen: 4.54 ug/L
RT: 8.284 min Scan# 2253
Delta R.T. 0.010 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion:107 Resp: 13900
Ion Ratio Lower Upper
107 100
109 109.1 66.1 122.7
188 3.6 2.6 3.8



#51
Chlorobenzene
Concen: 5.02 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.006 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

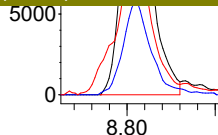
Tgt Ion:112 Resp: 38514
Ion Ratio Lower Upper
112 100
114 30.9 21.9 40.7
77 51.9 45.4 68.0

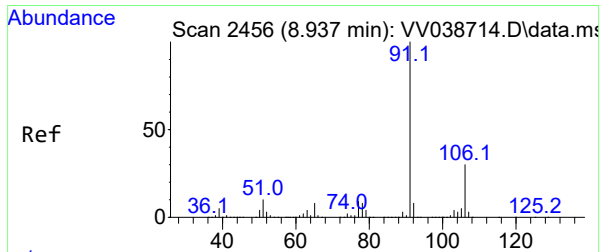


Submitted by: Magesh Dabodu 03/11/2022
Reviewed by: John Catione 03/11/2022

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Manual integrations

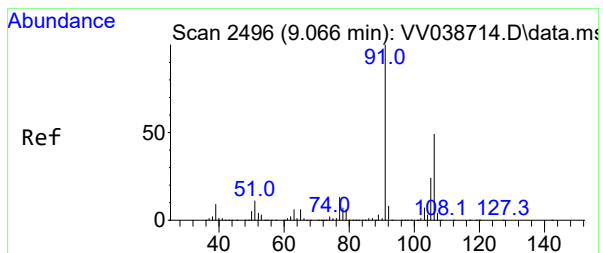
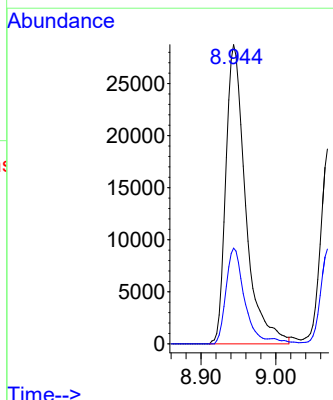
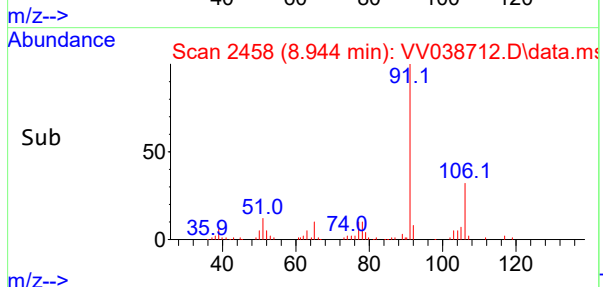
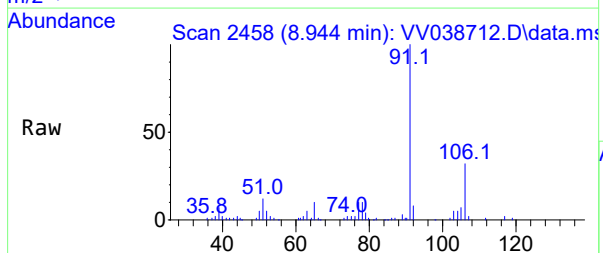
Client Sample ID :
MS/MS
Instrument :





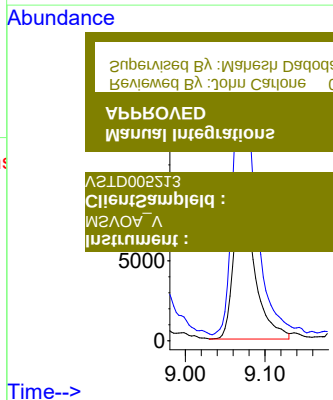
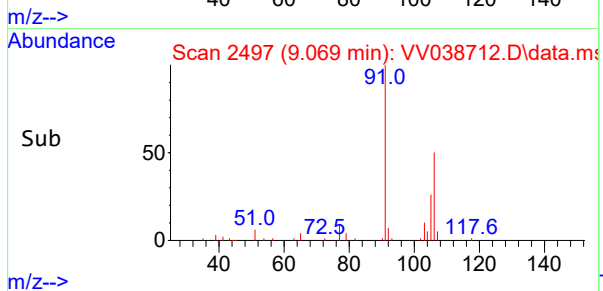
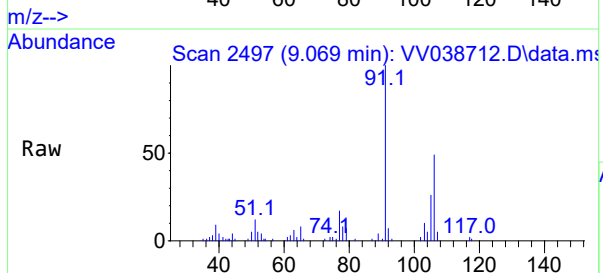
#52
Ethylbenzene
Concen: 4.40 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. 0.006 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion: 91 Resp: 52744
Ion Ratio Lower Upper
91 100
106 32.0 21.6 40.0



#53
m,p-Xylene
Concen: 3.75 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. 0.003 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

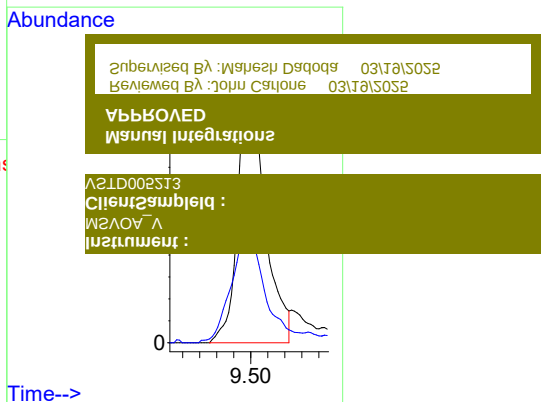
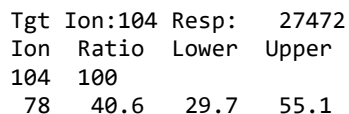
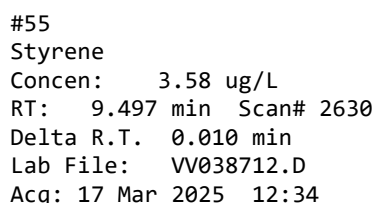
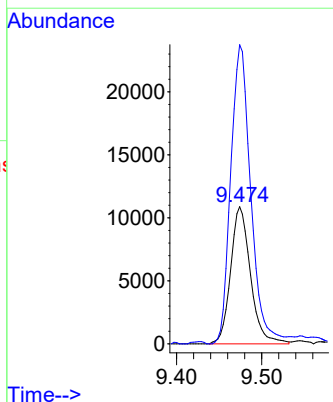
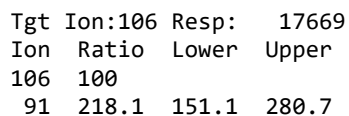
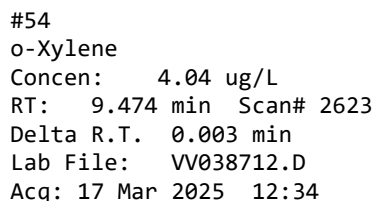
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Ion Ratio Lower Upper
106 100
91 205.6 142.6 264.8

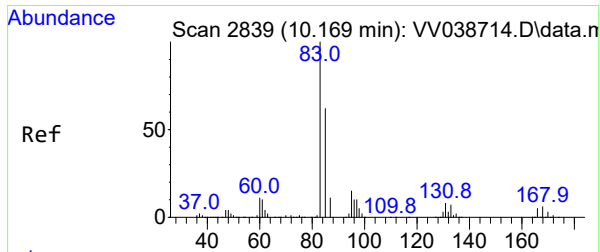


Submitted by: Mafresh Dabogu 03/18/2025
Reviewed by: John Catione 03/18/2025

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Manual integrations

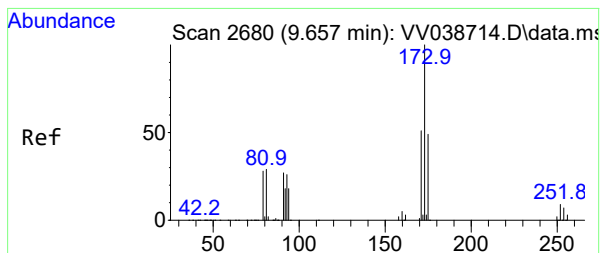
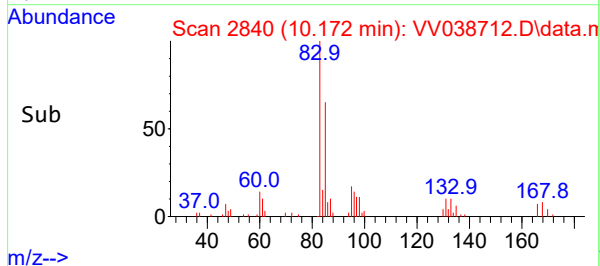
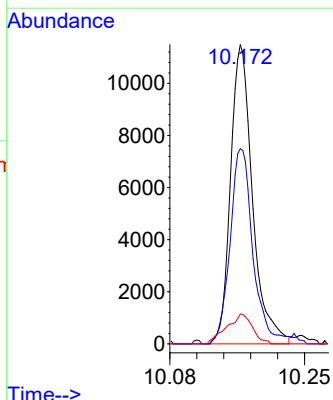
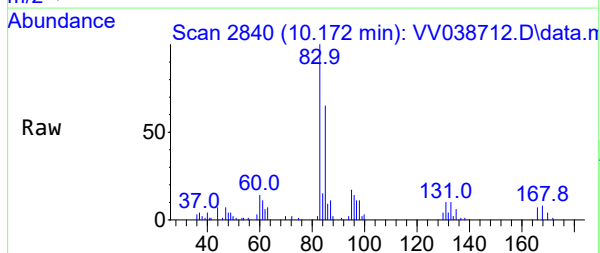
MS10000313
Client Sample ID :
MS10000313
Instrument :





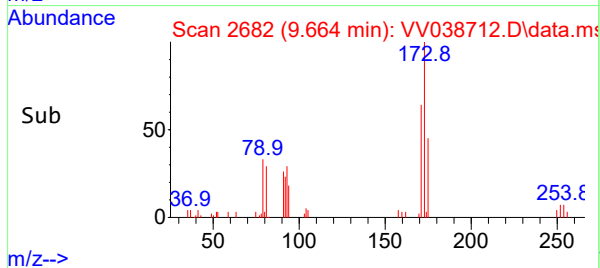
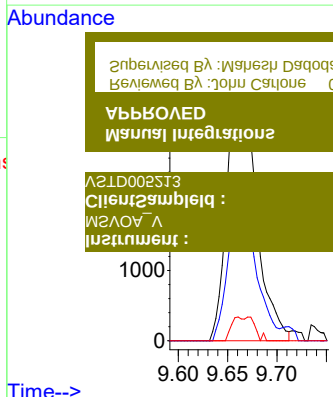
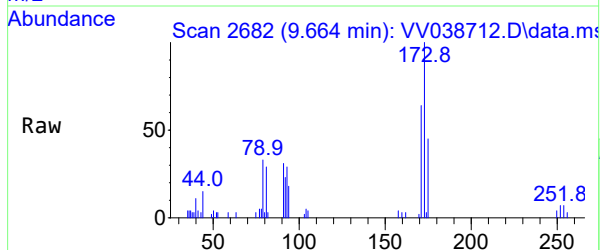
#57
1,1,2,2-Tetrachloroethane
Concen: 4.87 ug/L
RT: 10.172 min Scan# 2840
Delta R.T. 0.003 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion:	83	Resp:	21966
Ion	Ratio	Lower	Upper
83	100		
85	65.2	44.7	82.9
131	9.9	8.0	12.0



#59
Bromoform
Concen: 4.29 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.006 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

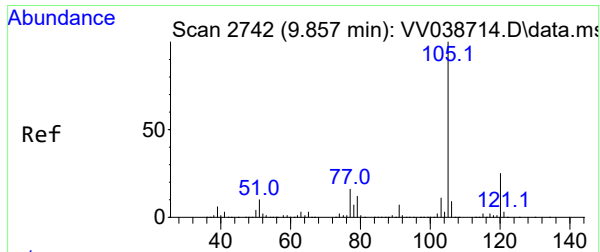
Tgt Ion:	173	Resp:	7981
Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.8	58.2
254	4.0	6.9	10.3#



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

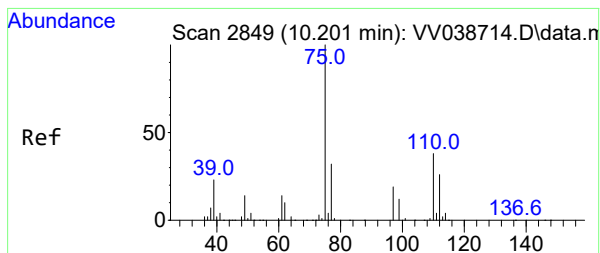
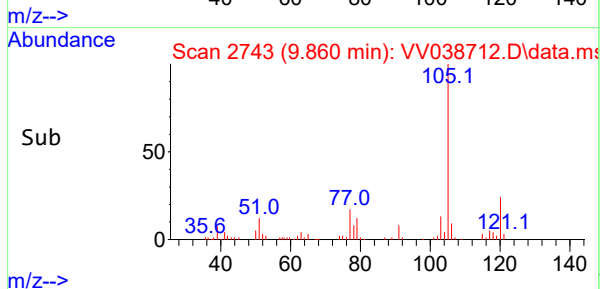
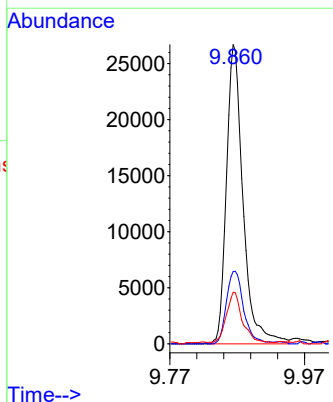
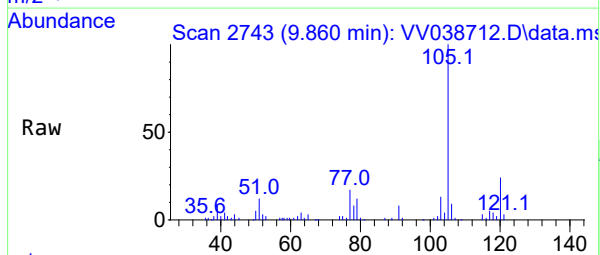
APPROVED
Manual integrations

MS2000S13
Client Sample ID :
MS2000S13
Instrument :



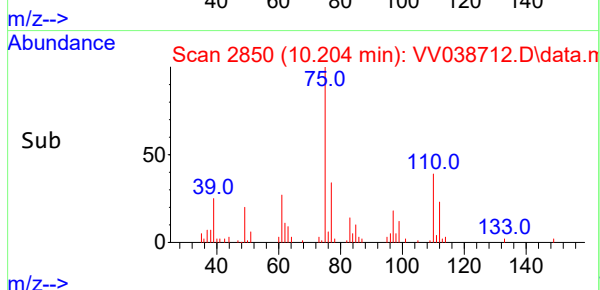
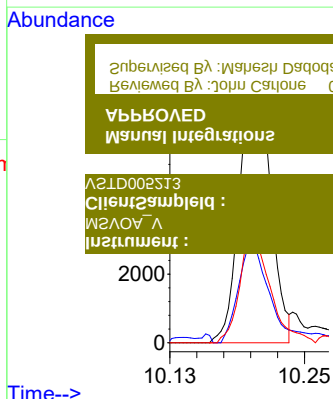
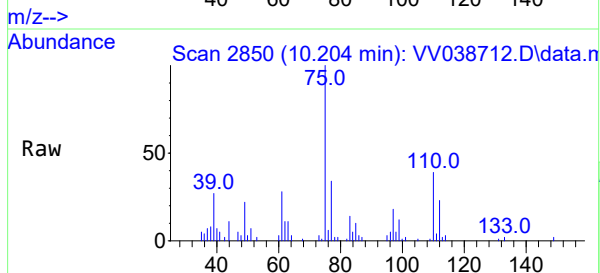
#60
Isopropylbenzene
Concen: 4.36 ug/L
RT: 9.860 min Scan# 2743
Delta R.T. 0.003 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion:	105	Resp:	46062
Ion Ratio	Lower	Upper	
105	100		
120	25.0	21.0	31.4
77	16.7	12.2	18.4



#61
1,2,3-Trichloropropane
Concen: 4.93 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. 0.003 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

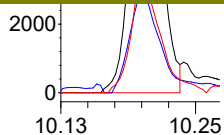
Tgt Ion:	75	Resp:	14827
Ion Ratio	Lower	Upper	
75	100		
77	36.5	25.8	38.6
110	39.1	32.2	48.4

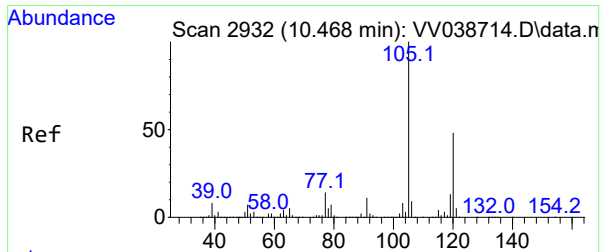


Submitted by: Marybeth DeBord 03/17/2025
Reviewed by: John C. Jones 03/17/2025

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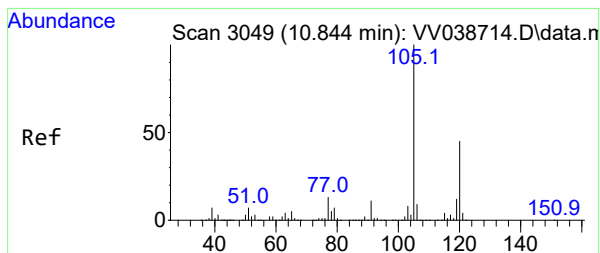
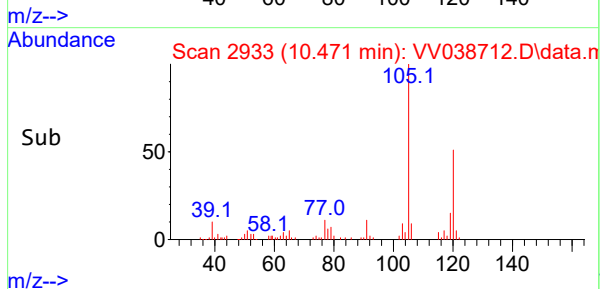
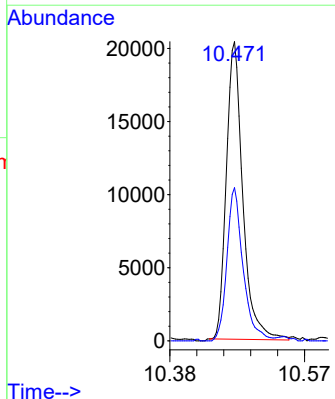
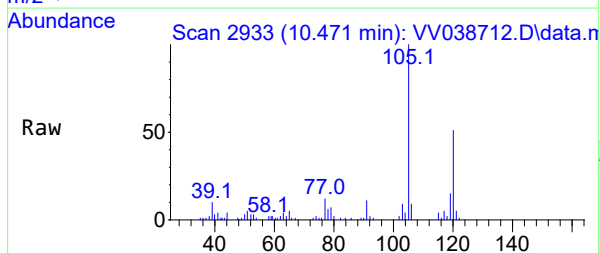
121000213
Client Sample ID:
MS/MS
Instrument:





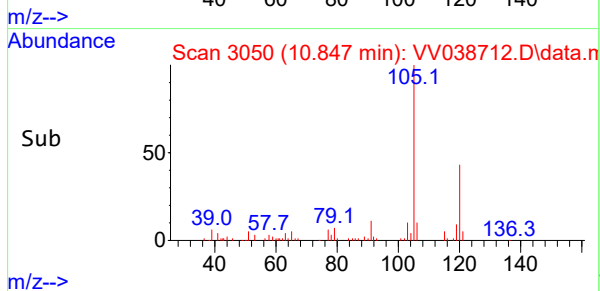
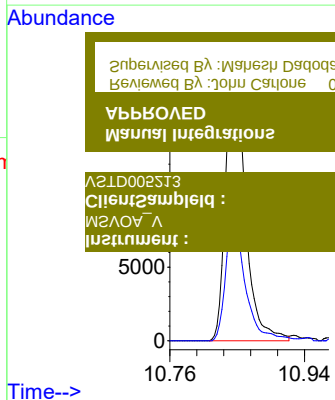
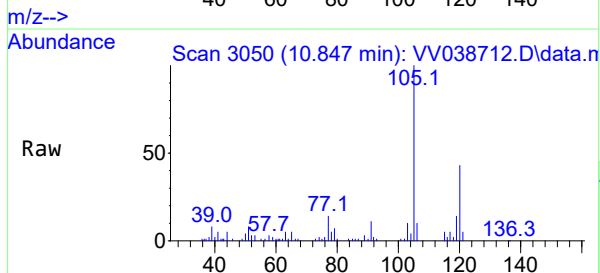
#62
1,3,5-Trimethylbenzene
Concen: 3.89 ug/L
RT: 10.471 min Scan# 2933
Delta R.T. 0.003 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion:105 Resp: 33014
Ion Ratio Lower Upper
105 100
120 50.5 39.1 58.7



#63
1,2,4-Trimethylbenzene
Concen: 4.11 ug/L
RT: 10.847 min Scan# 3050
Delta R.T. 0.003 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

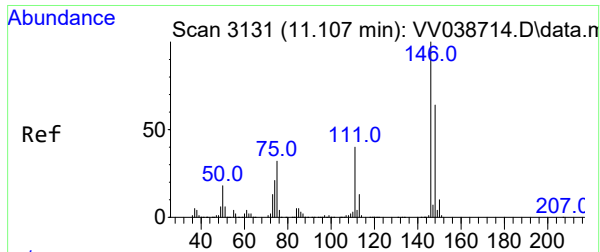
Tgt Ion:105 Resp: 34232
Ion Ratio Lower Upper
105 100
120 44.7 36.6 55.0



Submitted by: Magesh Dabodu 03/10/2022
Reviewed by: John Carone 03/10/2022

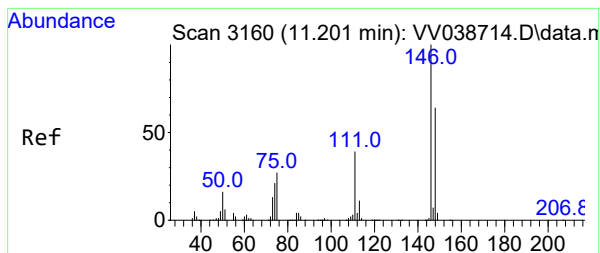
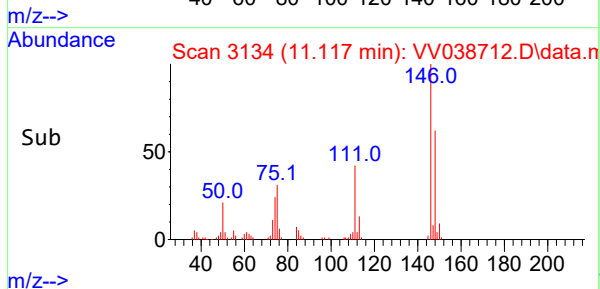
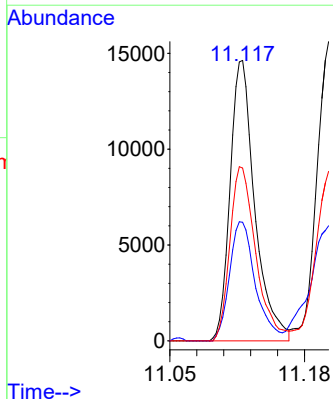
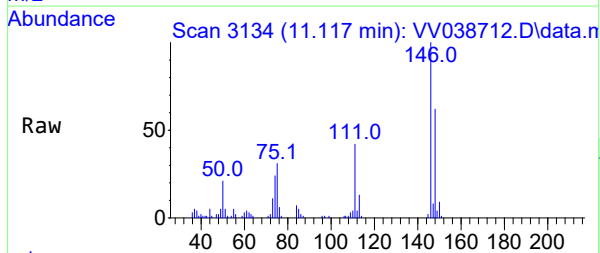
APPROVED
Manual integrations

12/10/2023
Client Sampled:
MS/MS
Instrument:



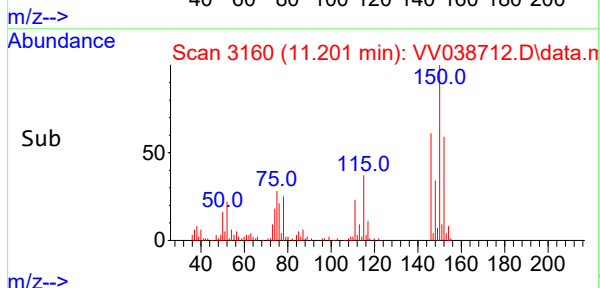
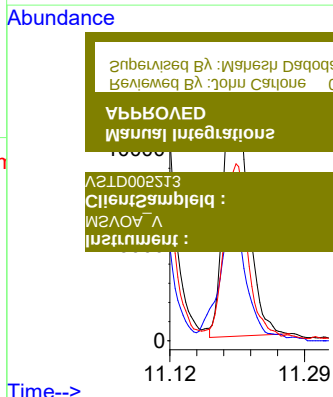
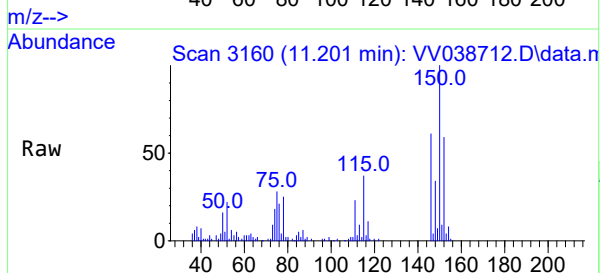
#64
1,3-Dichlorobenzene
Concen: 4.49 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.010 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion:	146	Resp:	24373
Ion	Ratio	Lower	Upper
146	100		
111	42.3	27.8	51.6
148	61.6	45.1	83.7



#65
1,4-Dichlorobenzene
Concen: 4.94 ug/L
RT: 11.201 min Scan# 3160
Delta R.T. 0.000 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

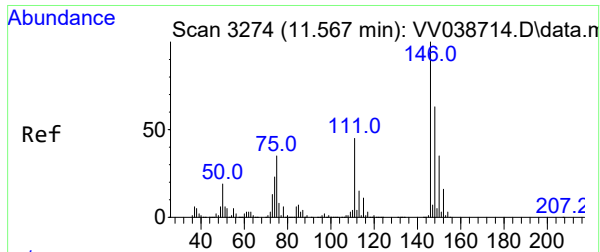
Tgt Ion:	146	Resp:	28486
Ion	Ratio	Lower	Upper
146	100		
111	38.5	27.6	51.4
148	56.6	44.9	83.3



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

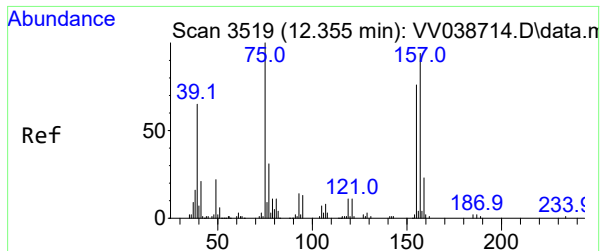
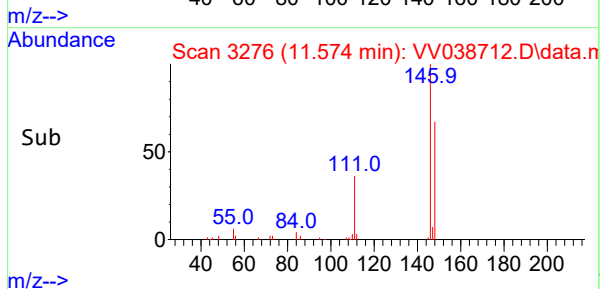
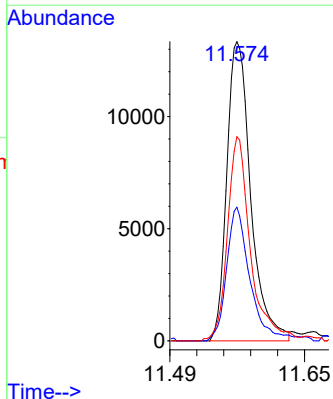
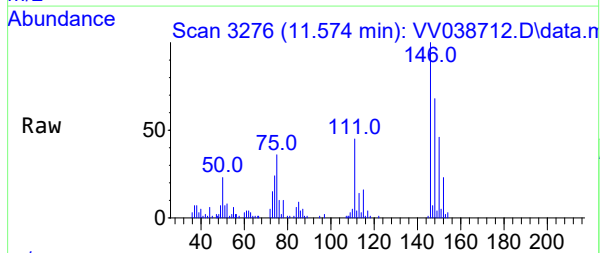
APPROVED
Manual Integrations

Client Sample ID :
MS/MS
Instrument :



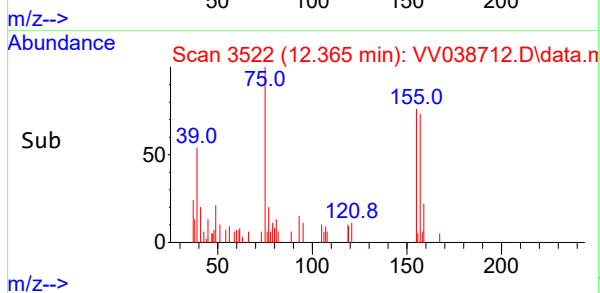
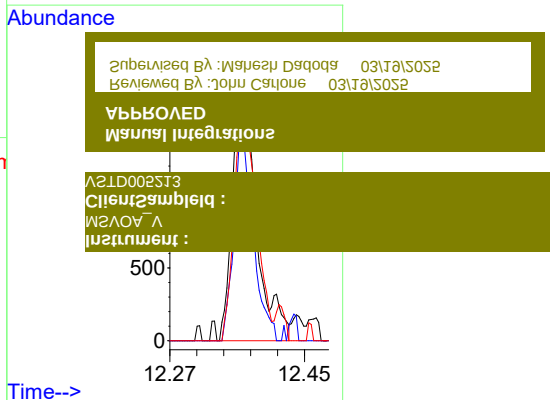
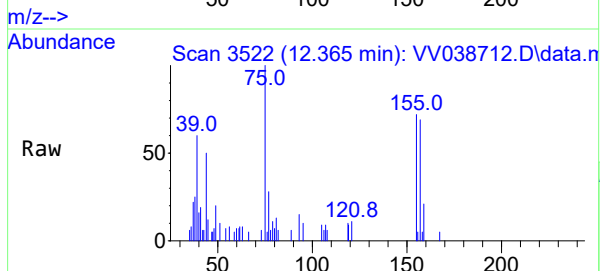
#67
1,2-Dichlorobenzene
Concen: 4.71 ug/L
RT: 11.574 min Scan# 3276
Delta R.T. 0.006 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

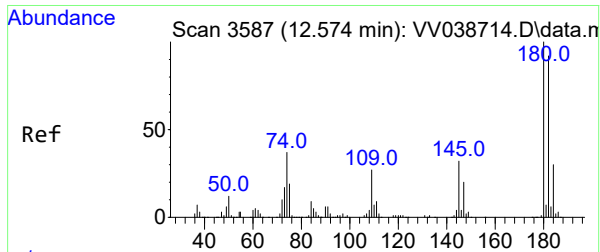
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.7	34.2	51.2
148	68.3	50.5	75.7



#68
1,2-Dibromo-3-chloropropane
Concen: 5.10 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. 0.010 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

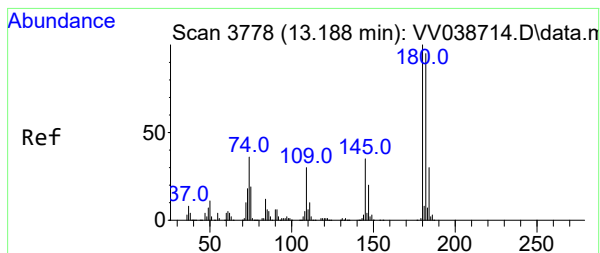
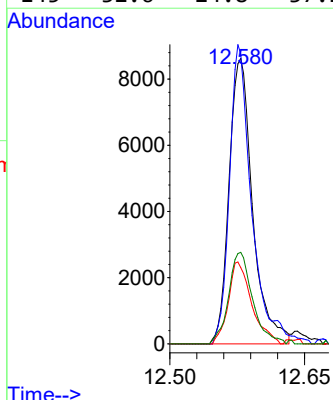
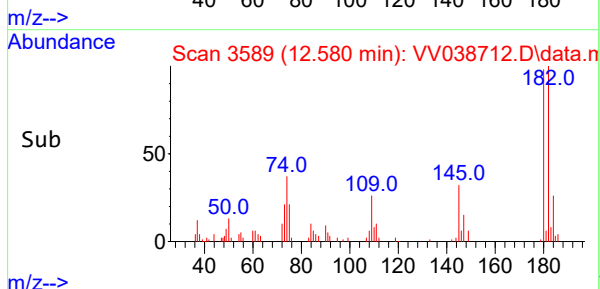
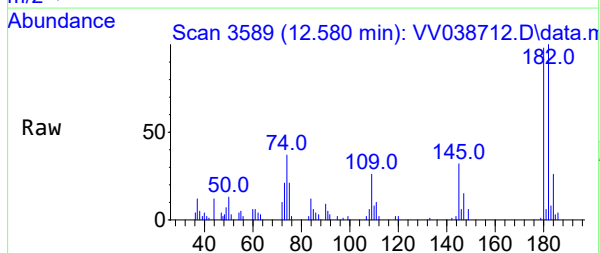
Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.5	66.8	100.2
157	69.2	83.4	125.2#





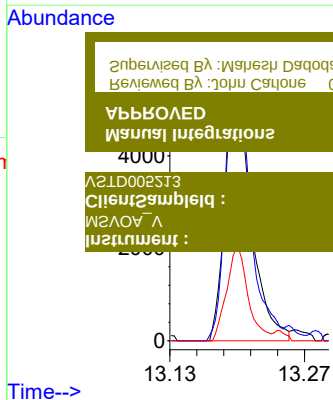
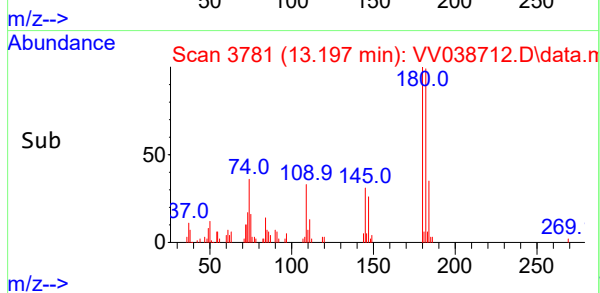
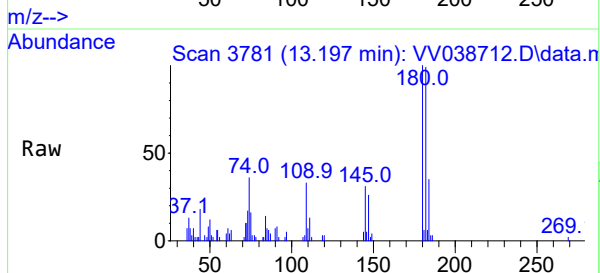
#69
1,3,5-Trichlorobenzene
Concen: 4.32 ug/L
RT: 12.580 min Scan# 3589
Delta R.T. 0.006 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion:	180	Resp:	15997
Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.2	114.4
184	28.6	23.8	35.6
145	32.6	24.8	37.2



#70
1,2,4-trichlorobenzene
Concen: 3.69 ug/L
RT: 13.197 min Scan# 3781
Delta R.T. 0.010 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion:	180	Resp:	11512
Ion	Ratio	Lower	Upper
180	100		
182	99.6	76.2	114.2
145	28.8	24.7	37.1



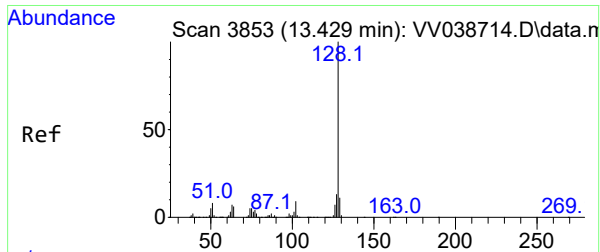
Submitted by: Mawar Dauda 03/11/2022
Reviewed by: John Carlow 03/11/2022

APPROVED

Mawar Dauda

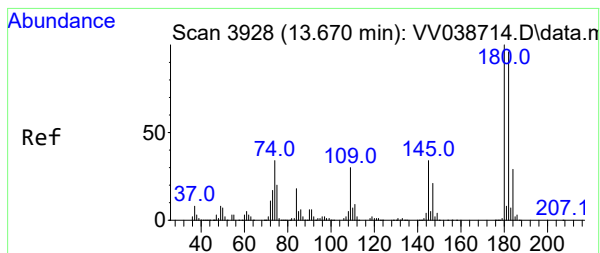
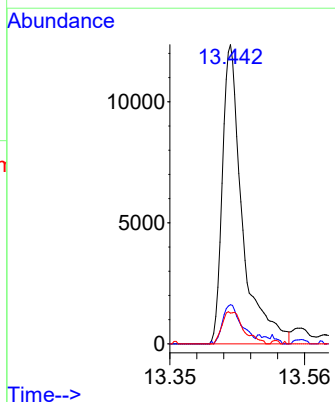
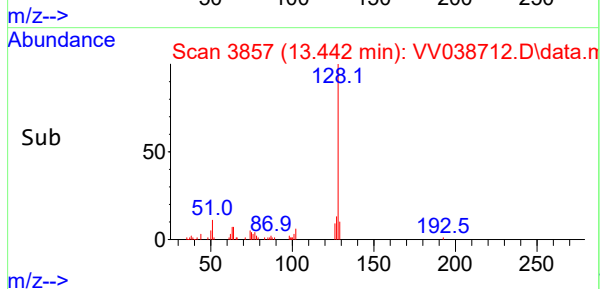
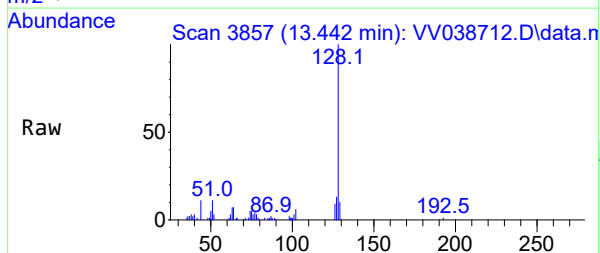
Client Sample ID: M2A047A

Instrument: L21000213



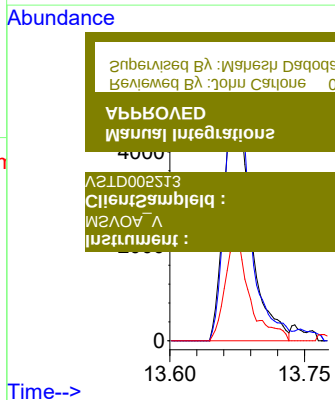
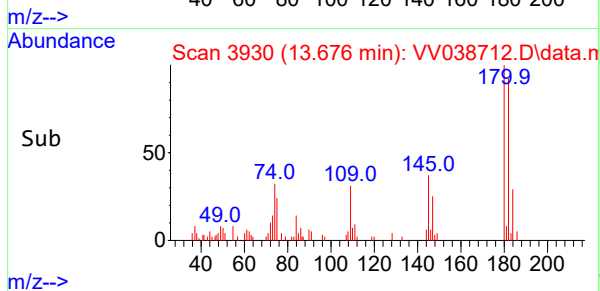
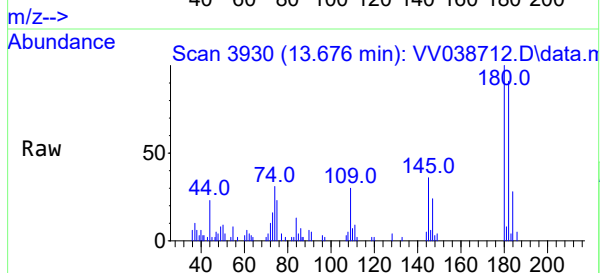
#71
Naphthalene
Concen: 3.11 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. 0.013 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion:128 Resp: 26287
Ion Ratio Lower Upper
128 100
127 12.3 10.1 15.1
129 4.9 8.6 12.8#



#72
1,2,3-Trichlorobenzene
Concen: 3.60 ug/L
RT: 13.676 min Scan# 3930
Delta R.T. 0.006 min
Lab File: VV038712.D
Acq: 17 Mar 2025 12:34

Tgt Ion:180 Resp: 11015
Ion Ratio Lower Upper
180 100
182 95.9 75.8 113.6
145 32.3 27.1 40.7



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

APPROVED
Manual integrations

Client Sample ID :
MS/MS
Instrument :