

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031825\
 Data File : VV038729.D
 Acq On : 18 Mar 2025 15:06
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 18 15:35:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 17 15:08:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	386412	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	400157	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	216233	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	168321	43.27	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	86.54%	
7) Chloroethane-d5	1.529	69	143885	44.12	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	88.24%	
11) 1,1-Dichloroethene-d2	2.053	65	75192	43.10	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	86.20%	
21) 2-Butanone-d5	3.783	46	146387m	104.46	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	104.46%	
24) Chloroform-d	4.240	84	321667	45.74	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	91.48%	
26) 1,2-Dichloroethane-d4	4.931	65	191450	46.79	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	93.58%	
32) Benzene-d6	4.950	84	618888	48.84	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	97.68%	
36) 1,2-Dichloropropane-d6	5.979	67	199901	48.86	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	97.72%	
41) Toluene-d8	7.233	98	557290	50.63	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	101.26%	
43) trans-1,3-Dichloroprop...	7.545	79	85816	50.90	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	101.80%	
47) 2-Hexanone-d5	8.018	63	93285	110.22	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	94.36%	
56) 1,1,2,2-Tetrachloroeth...	10.143	84	247493			
Spiked Amount	50.000	Range 65 - 120	Recovery	=		
66) 1,2-Dichlorobenzene-d4	11.551	152	194739			
Spiked Amount	50.000	Range 80 - 120	Recovery	=		
Target Compounds						
2) Dichlorodifluoromethane	1.105	85	136930			
3) Chloromethane	1.214	50	174915	44.75	ug/L	99
5) Vinyl chloride	1.281	62	188506	46.48	ug/L	100
6) Bromomethane	1.484	94	105739	49.81	ug/L	98
8) Chloroethane	1.545	64	120398	46.62	ug/L	99
9) Trichlorofluoromethane	1.709	101	242466	47.14	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	143413	46.50	ug/L	96
12) 1,1-Dichloroethene	2.066	96	140562	48.47	ug/L	86
13) Acetone	2.108	43	143363	104.11	ug/L	96
14) Carbon disulfide	2.236	76	402677	44.71	ug/L	100
15) Methyl Acetate	2.368	43	143016	51.93	ug/L	93
16) Methylene chloride	2.442	84	173706	47.08	ug/L	92
17) trans-1,2-Dichloroethene	2.687	96	145805	47.78	ug/L	95
18) Methyl tert-butyl Ether	2.696	73	440270	51.31	ug/L	98
19) 1,1-Dichloroethane	3.105	63	313471	48.79	ug/L	99
20) cis-1,2-Dichloroethene	3.805	96	165476	49.59	ug/L	93
22) 2-Butanone	3.863	43	153073	94.54	ug/L	92
23) Bromochloromethane	4.137	128	86702	48.38	ug/L	84
25) Chloroform	4.265	83	314359	48.76	ug/L	99

Submitted by: Marybeth DeBord 03/18/2025
 Released by: John Catione 03/18/2025

APPROVED
 Manual integrations

Client Sample ID :
 MSVOA_V
 Instrument :

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 Quant Title : VOC Analysis
 QLast Update : Mon Mar 17 15:08:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.031	62	239261	51.77	ug/L	99
29) Cyclohexane	4.571	56	257260	52.24	ug/L	92
30) 1,1,1-Trichloroethane	4.503	97	258461	50.40	ug/L	96
31) Carbon tetrachloride	4.725	117	218723	49.61	ug/L	99
33) Benzene	4.998	78	673108	52.95	ug/L	100
34) Trichloroethene	5.825	95	161948	49.53	ug/L	98
35) Methylcyclohexane	6.040	83	239850	49.99	ug/L	94
37) 1,2-Dichloropropane	6.082	63	183879	51.91	ug/L	97
38) Bromodichloromethane	6.423	83	235106	50.43	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	273223	53.91	ug/L	97
40) 4-Methyl-2-pentanone	7.146	43	363148	115.50	ug/L #	94
42) Toluene	7.307	91	707988	54.58	ug/L	99
44) trans-1,3-Dichloropropene	7.574	75	258702	53.87	ug/L	100
45) 1,1,2-Trichloroethane	7.760	97	168286	50.39	ug/L	98
46) Tetrachloroethene	7.895	164	115856	49.91	ug/L	97
48) 2-Hexanone	8.066	43	259551	119.08	ug/L	92
49) Dibromochloromethane	8.165	129	168971	50.72	ug/L	100
50) 1,2-Dibromoethane	8.272	107	169943	52.29	ug/L	98
51) Chlorobenzene	8.805	112	445910	50.31	ug/L	95
52) Ethylbenzene	8.937	91	759317	53.00	ug/L	99
53) m,p-Xylene	9.066	106	287630	55.30	ug/L	98
54) o-Xylene	9.471	106	275434	54.51	ug/L	97
55) Styrene	9.487	104	511307	57.59	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.169	83	257504	51.79	ug/L	99
59) Bromoform	9.654	173	103071	51.33	ug/L	98
60) Isopropylbenzene	9.857	105	736639	54.15	ug/L	99
61) 1,2,3-Trichloropropane	10.198	75	185630	51.48	ug/L	99
62) 1,3,5-Trimethylbenzene	10.468	105	585250			
63) 1,2,4-Trimethylbenzene	10.844	105	588031			
64) 1,3-Dichlorobenzene	11.107	146	344924			
65) 1,4-Dichlorobenzene	11.197	146	351174			
67) 1,2-Dichlorobenzene	11.570	146	357462	53.37	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.355	75	43354			
69) 1,3,5-Trichlorobenzene	12.574	180	210549			
70) 1,2,4-trichlorobenzene	13.188	180	175446			
71) Naphthalene	13.429	128	599302	66.90	ug/L	99
72) 1,2,3-Trichlorobenzene	13.670	180	176891	52.25	ug/L	98

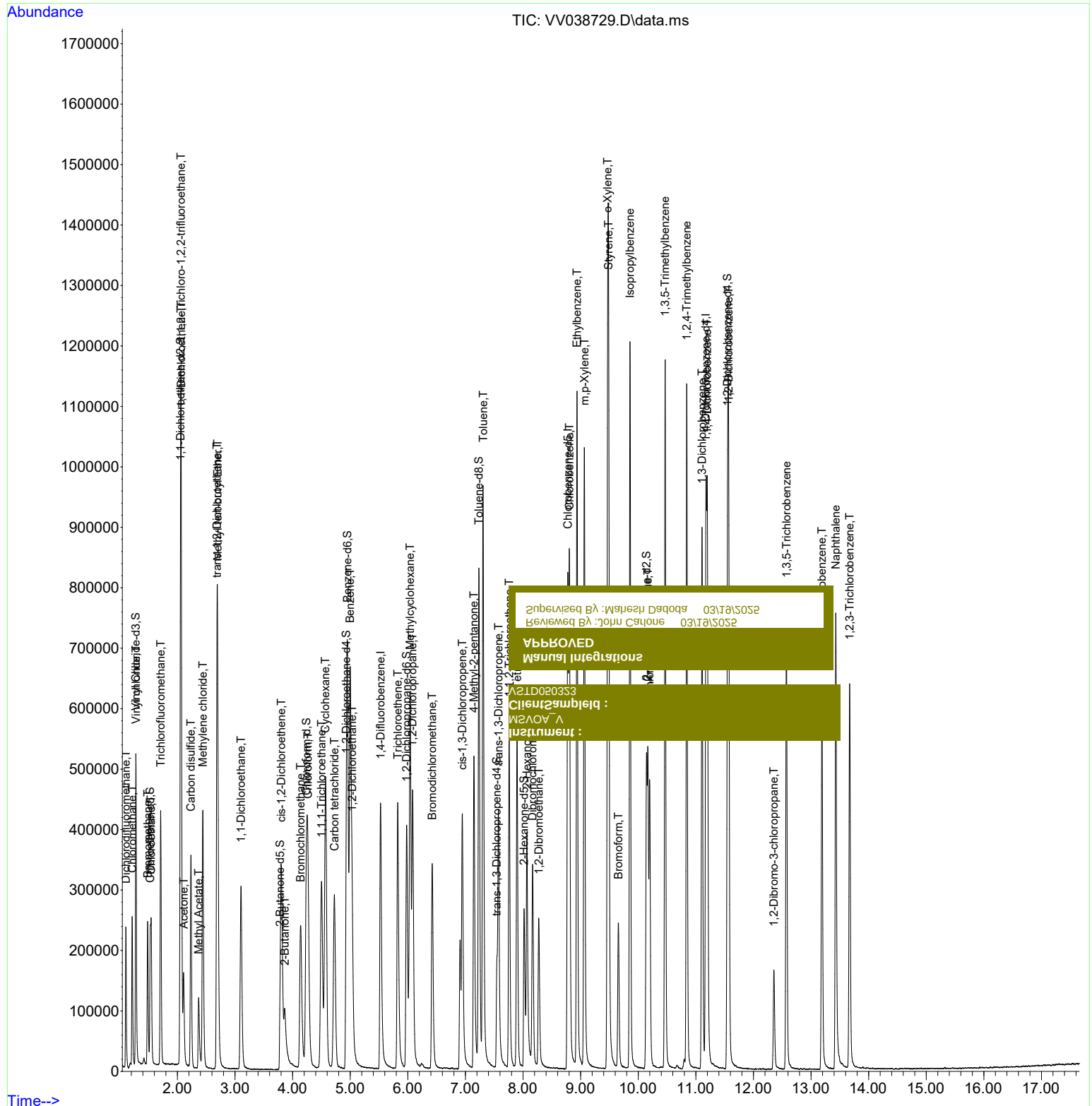
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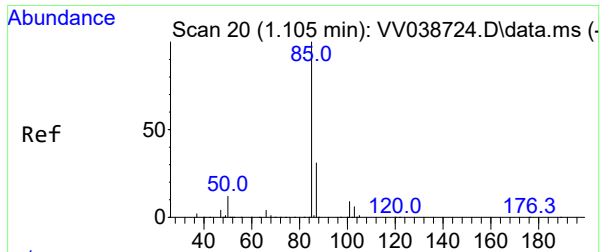
APPROVED
 Manual integrations

Client Sample ID :
 MS/MS
 Instrument :

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

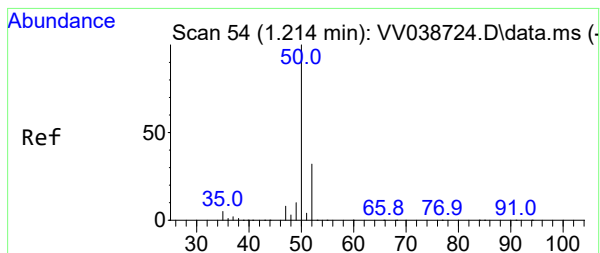
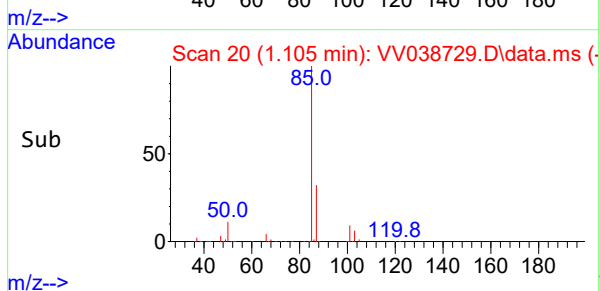
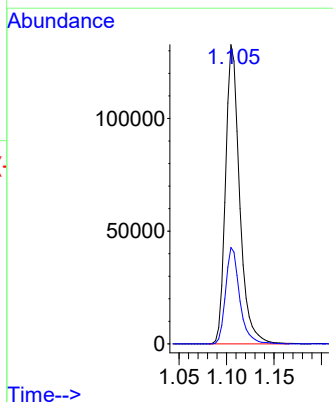
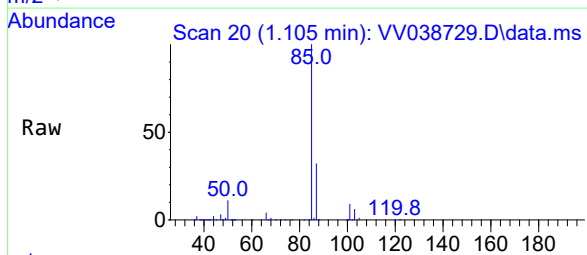
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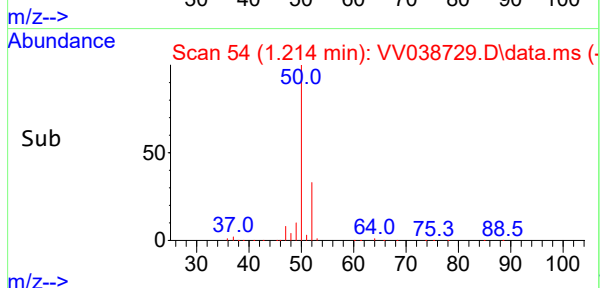
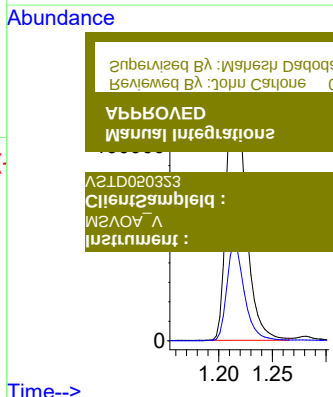
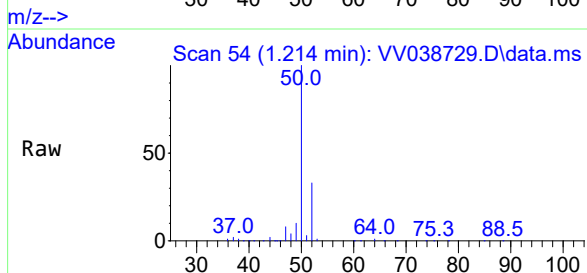
#2
Dichlorodifluoromethane
Concen: 45.52 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion: 85 Resp: 136930
Ion Ratio Lower Upper
85 100
87 32.1 25.8 38.6



#3
Chloromethane
Concen: 44.75 ug/L
RT: 1.214 min Scan# 54
Delta R.T. -0.003 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

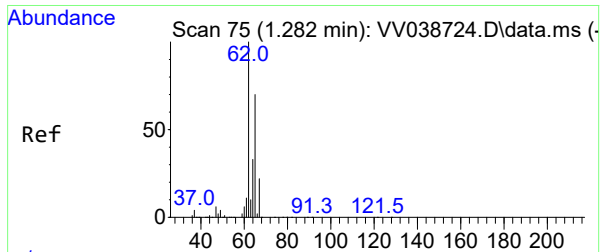
Tgt Ion: 50 Resp: 174915
Ion Ratio Lower Upper
50 100
52 33.1 22.7 42.3



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

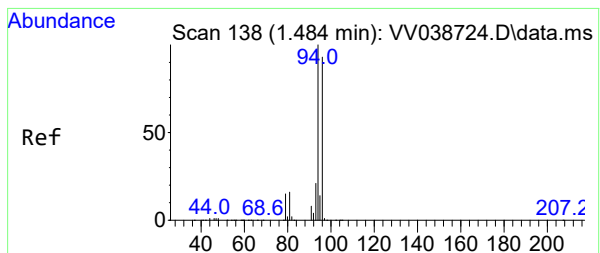
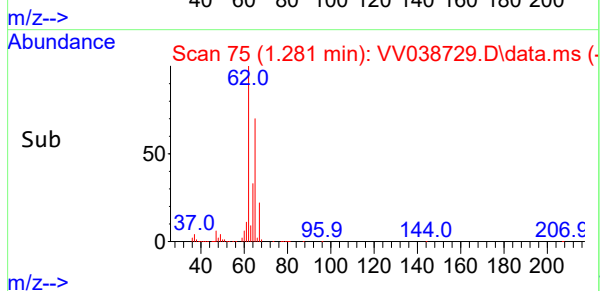
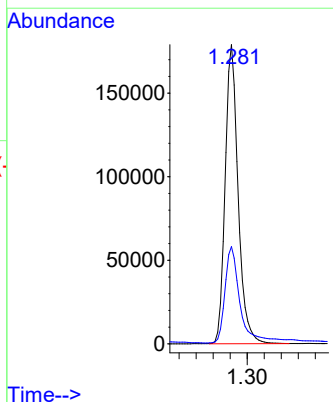
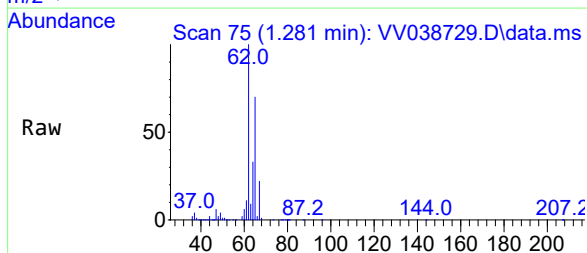
APPROVED
Manual Integrations

Client Sample ID :
MS/MS
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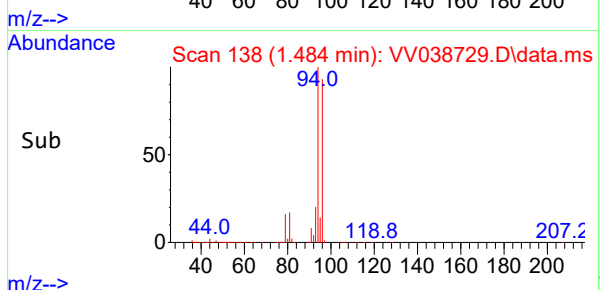
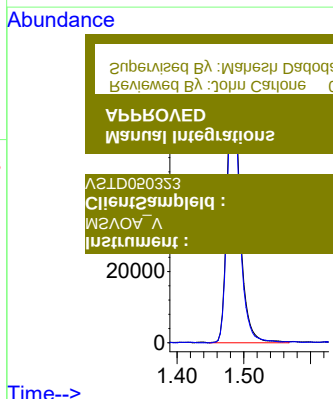
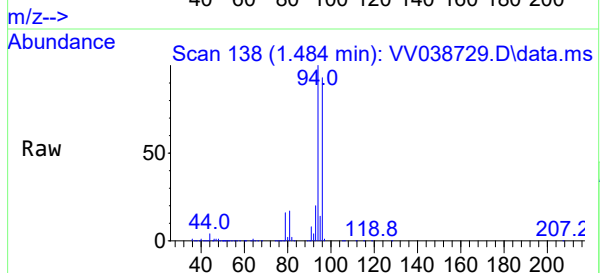
#5
 Vinyl chloride
 Concen: 46.48 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV038729.D
 Acq: 18 Mar 2025 15:06

Tgt Ion: 62 Resp: 188506
 Ion Ratio Lower Upper
 62 100
 64 32.5 22.8 42.4



#6
 Bromomethane
 Concen: 49.81 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV038729.D
 Acq: 18 Mar 2025 15:06

Tgt Ion: 94 Resp: 105739
 Ion Ratio Lower Upper
 94 100
 96 92.6 66.1 122.8

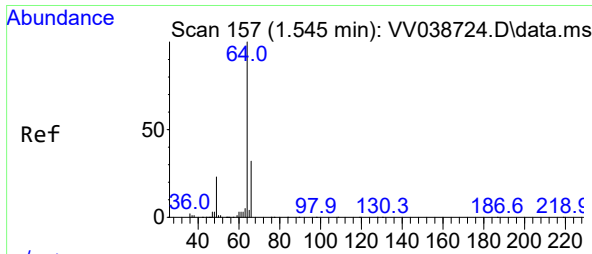


Subscribed By : Maryam Dargah 03/18/2025
 Reviewed By : John C. Jones 03/18/2025

APPROVED

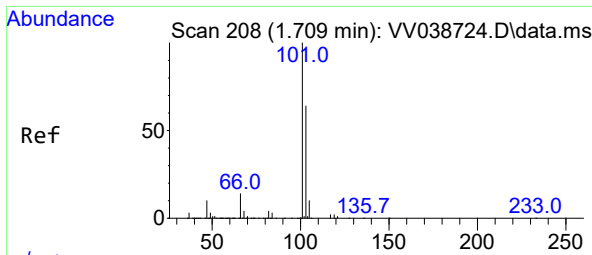
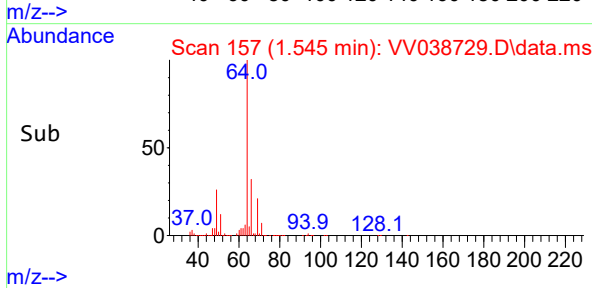
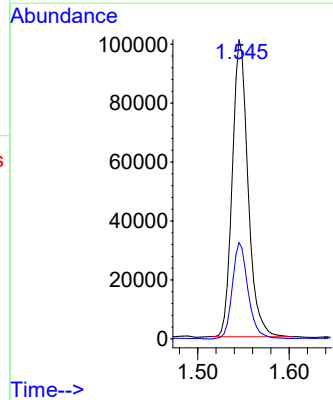
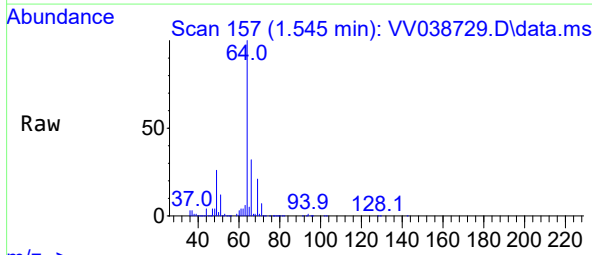
Manual Integrations

1/21/2025
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 Instrument :



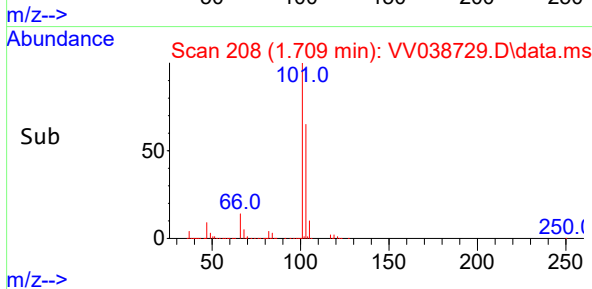
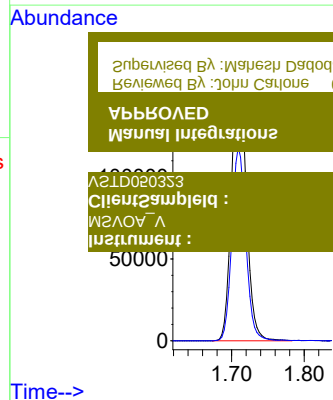
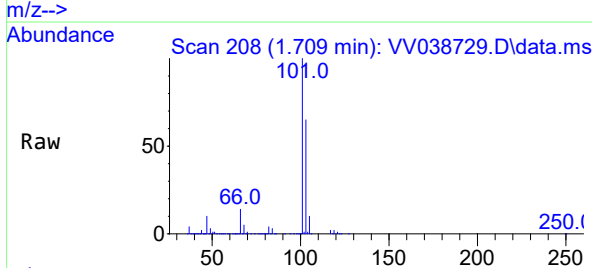
#8
Chloroethane
Concen: 46.62 ug/L
RT: 1.545 min Scan# 157
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion: 64 Resp: 120398
Ion Ratio Lower Upper
64 100
66 32.2 22.3 41.5

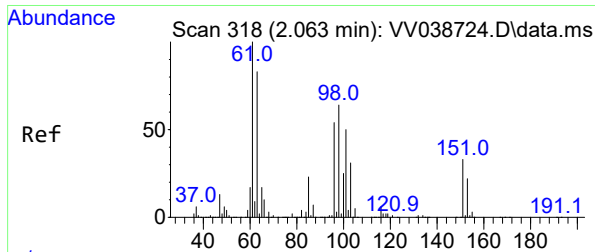


#9
Trichlorofluoromethane
Concen: 47.14 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion: 101 Resp: 242466
Ion Ratio Lower Upper
101 100
103 64.9 51.7 77.5

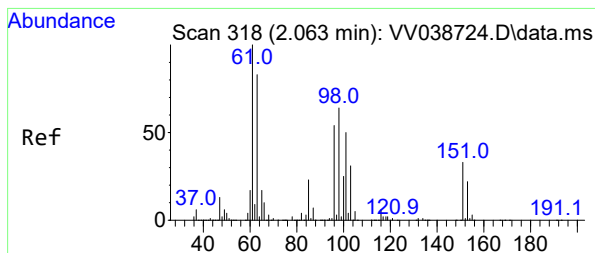
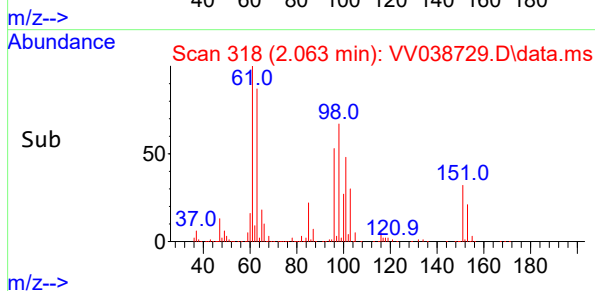
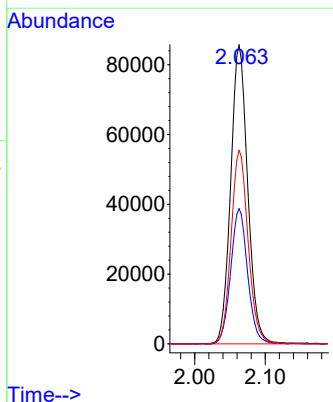
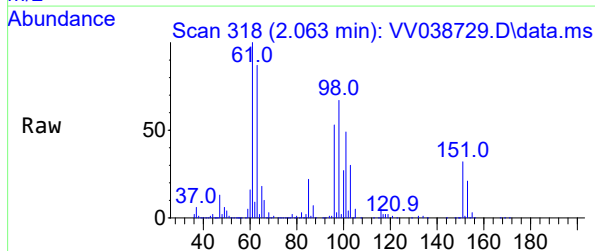


Submitted by: Magesh Dabodu 03/18/2025
Reviewed by: John Catione 03/18/2025
APPROVED
Manual integrations
Client Sample ID: 221000333
Instrument: MS2007A



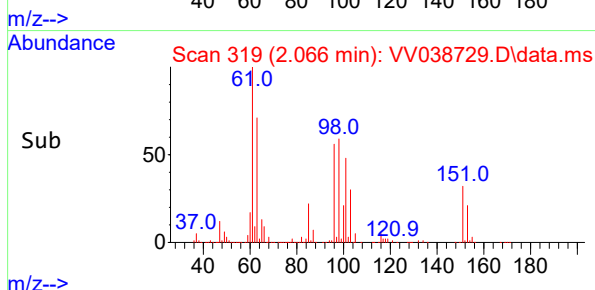
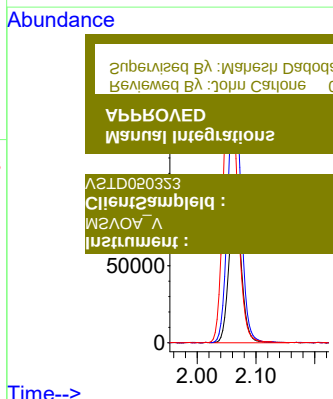
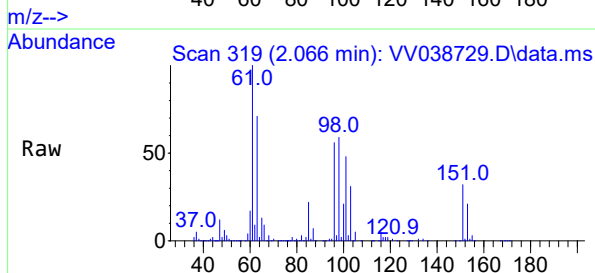
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 46.50 ug/L
RT: 2.063 min Scan# 318
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion: 101 Resp: 143413
Ion Ratio Lower Upper
101 100
85 44.9 34.7 52.1
151 65.0 55.3 82.9



#12
1,1-Dichloroethene
Concen: 48.47 ug/L
RT: 2.066 min Scan# 319
Delta R.T. 0.000 min
Lab File: VV038729.D
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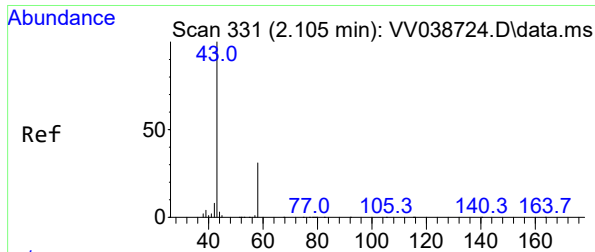
Tgt Ion: 96 Resp: 140562
Ion Ratio Lower Upper
96 100
61 178.8 120.9 224.5
63 126.8 110.9 205.9



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

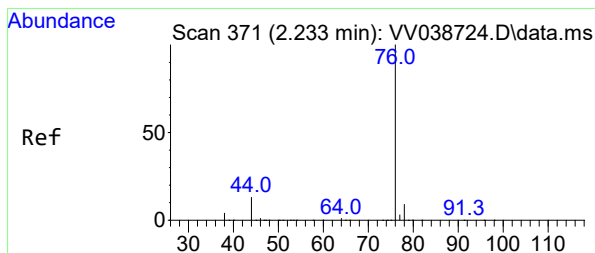
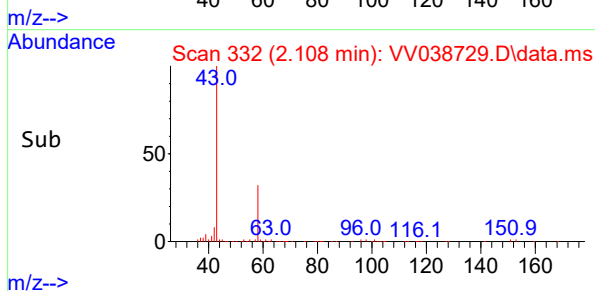
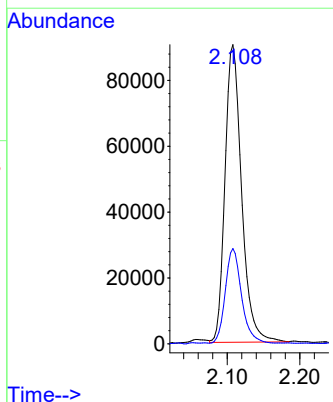
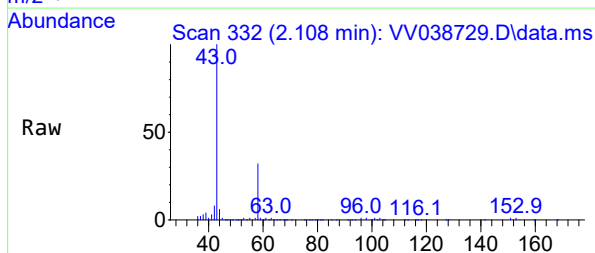
APPROVED
Manual Integrations

1/21/2025
Client Sample ID :
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Instrument :



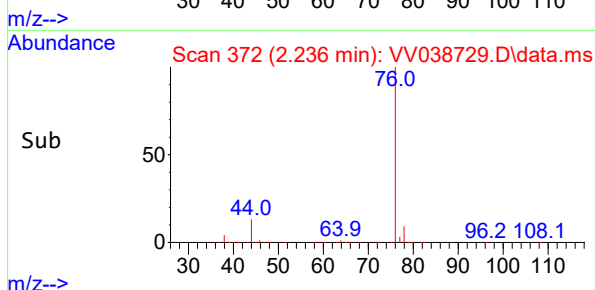
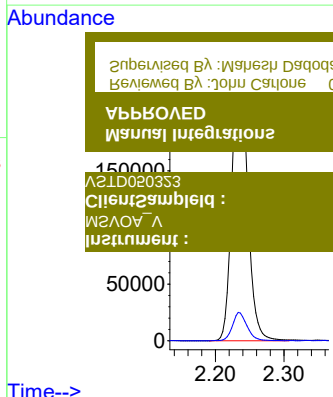
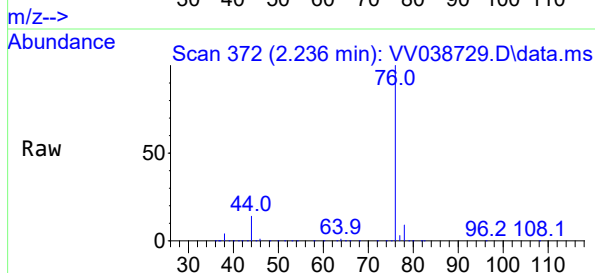
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Acetone
Concen: 104.11 ug/L
RT: 2.108 min Scan# 332
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion: 43 Resp: 143363
Ion Ratio Lower Upper
43 100
58 31.2 0.0 67.2



#14
Carbon disulfide
Concen: 44.71 ug/L
RT: 2.236 min Scan# 372
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

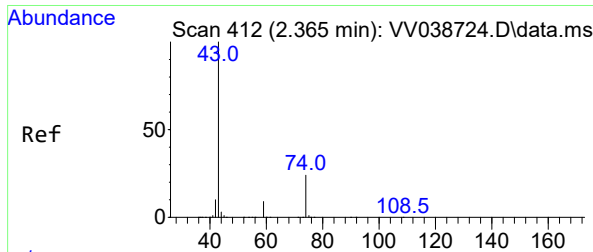
Tgt Ion: 76 Resp: 402677
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



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

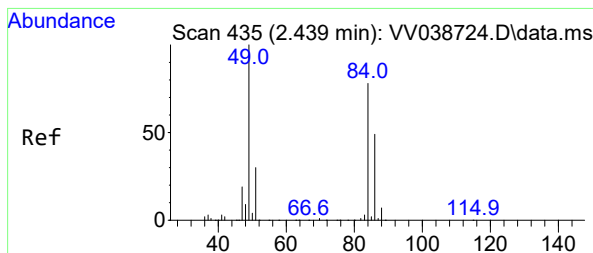
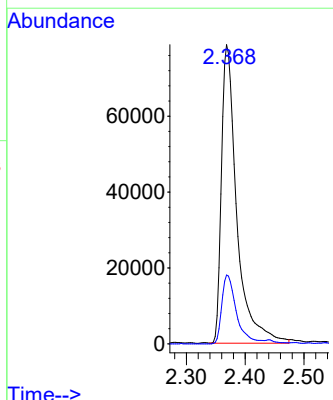
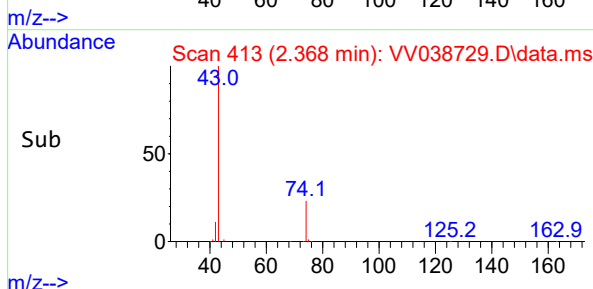
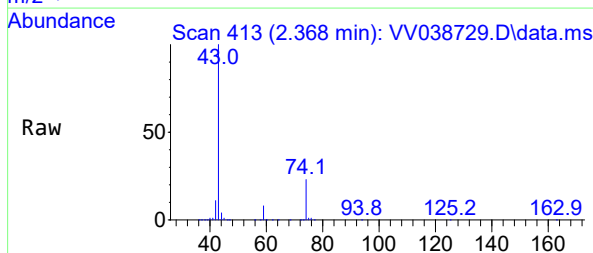
APPROVED
Manual integrations

150000
V21D0203S3
Client Sample ID :
MS/MS
Instrument :



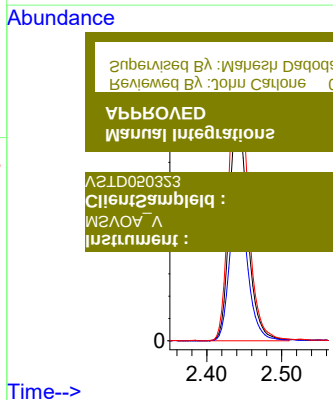
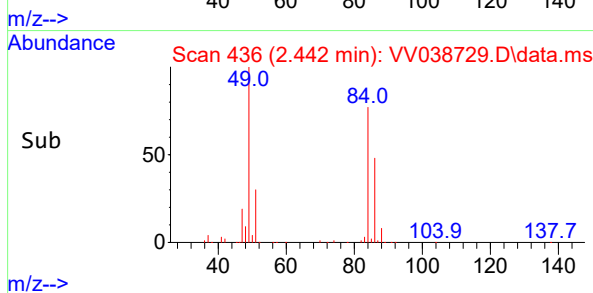
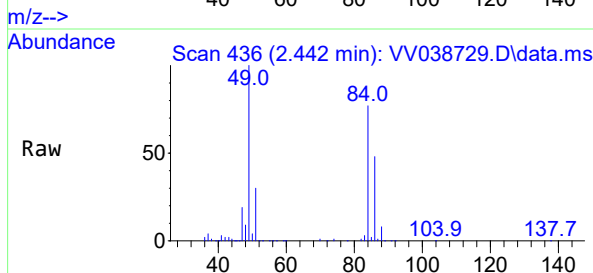
#15
Methyl Acetate
Concen: 51.93 ug/L
RT: 2.368 min Scan# 413
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion: 43 Resp: 143016
Ion Ratio Lower Upper
43 100
74 22.1 20.6 31.0



#16
Methylene chloride
Concen: 47.08 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

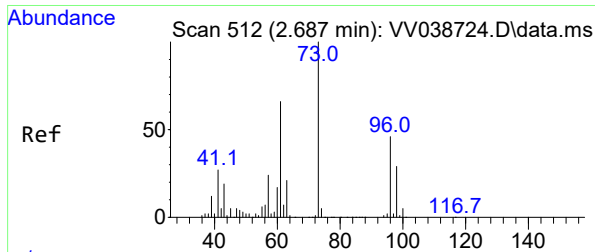
Tgt Ion: 84 Resp: 173706
Ion Ratio Lower Upper
84 100
86 62.6 44.5 82.7
49 129.7 81.7 151.7



Supervised By: Magesh Dabodu 03/18/2025
Reviewed By: John Calfone 03/18/2025

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Manual Integrations

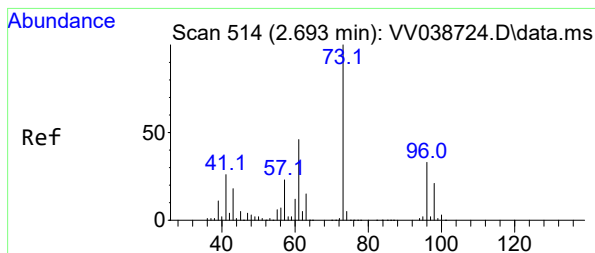
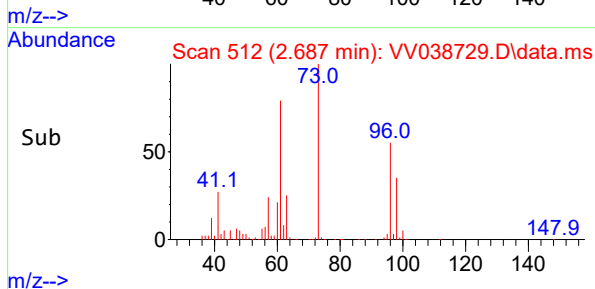
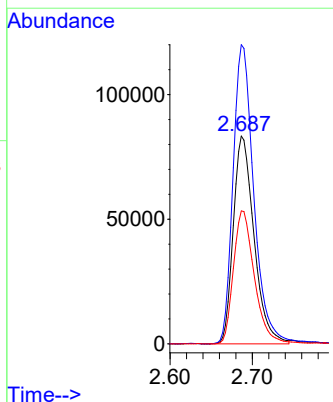
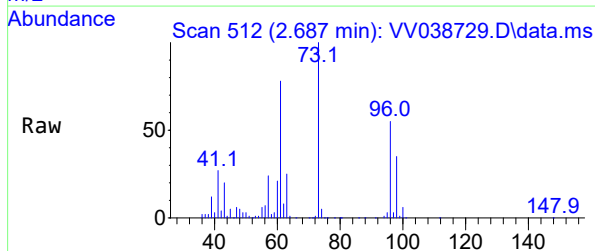
1/21/2025
Client Sampled:
MS/MS
Instrument:



#17
trans-1,2-Dichloroethene
Concen: 47.78 ug/L
RT: 2.687 min Scan# 512
Delta R.T. -0.003 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion: 96 Resp: 145805

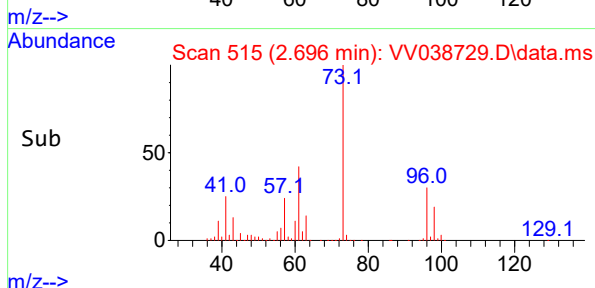
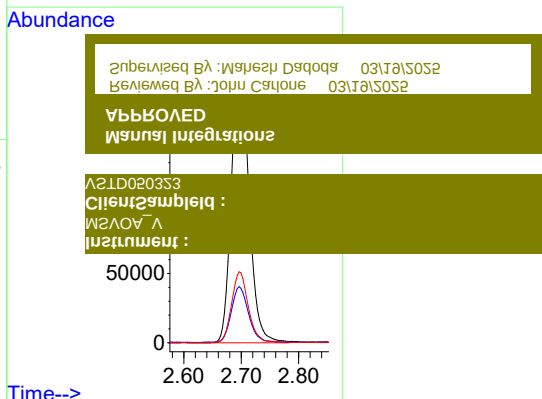
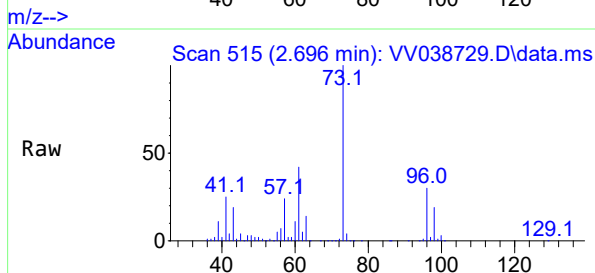
Ion	Ratio	Lower	Upper
96	100		
61	144.0	95.7	177.7
98	64.0	46.4	86.2

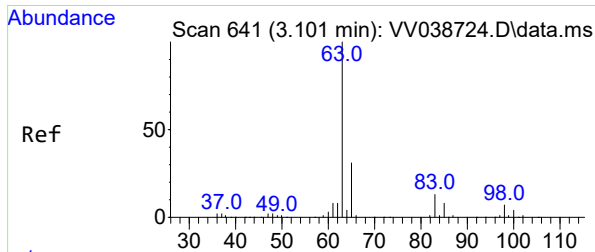


#18
Methyl tert-butyl Ether
Concen: 51.31 ug/L
RT: 2.696 min Scan# 515
Delta R.T. -0.003 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion: 73 Resp: 440270

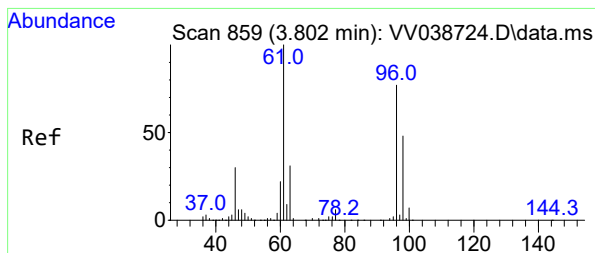
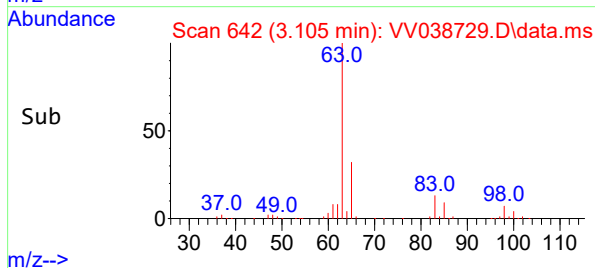
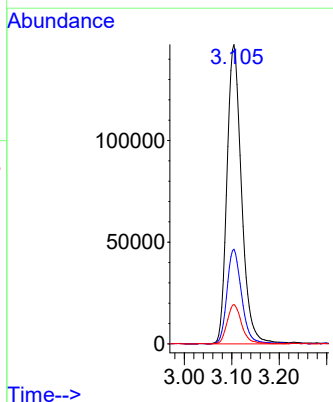
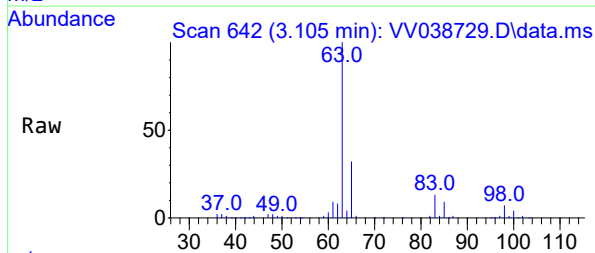
Ion	Ratio	Lower	Upper
73	100		
43	18.8	14.7	22.1
57	23.5	17.7	26.5





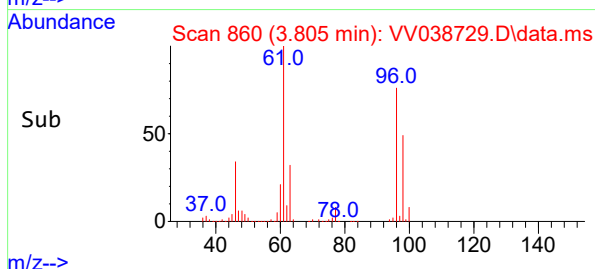
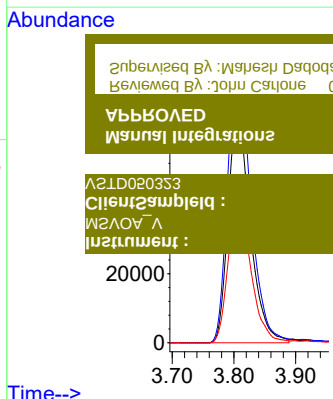
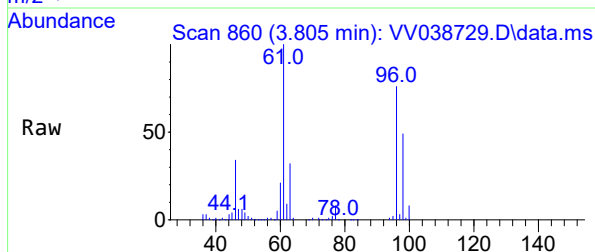
#19
1,1-Dichloroethane
Concen: 48.79 ug/L
RT: 3.105 min Scan# 642
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion:	63	Resp:	313471
Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.6	42.0
83	13.2	9.8	18.2



#20
cis-1,2-Dichloroethene
Concen: 49.59 ug/L
RT: 3.805 min Scan# 860
Delta R.T. -0.003 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

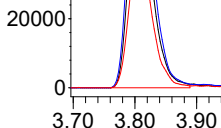
Tgt Ion:	96	Resp:	165476
Ion	Ratio	Lower	Upper
96	100		
61	131.4	83.5	155.1
98	64.1	44.6	82.8

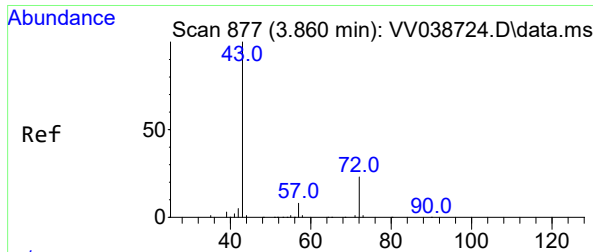


Submitted by: Magesh Dabodu 03/18/2025
Reviewed by: John Catione 03/18/2025

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Manual Integrations

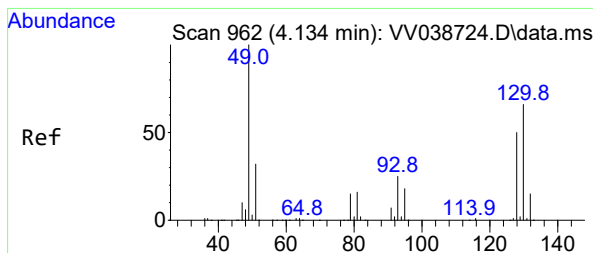
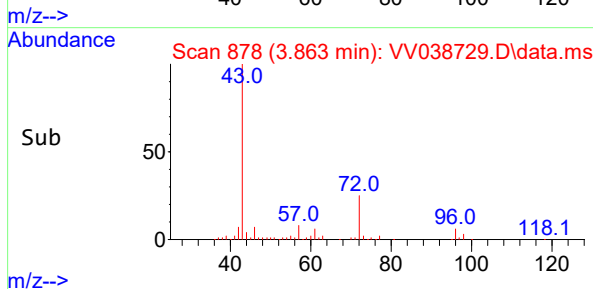
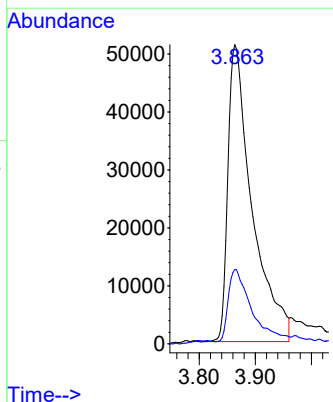
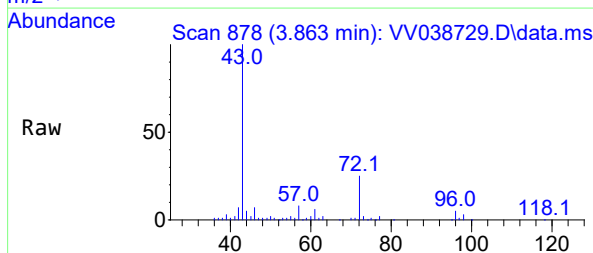
Client Sample ID :
MS/MS
Instrument :





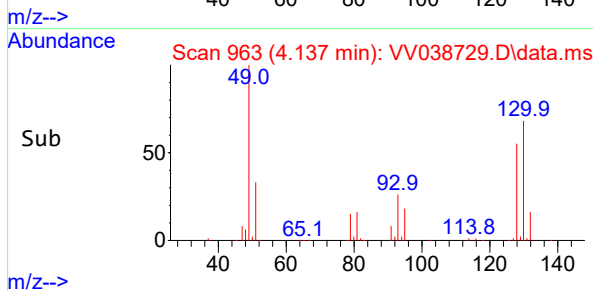
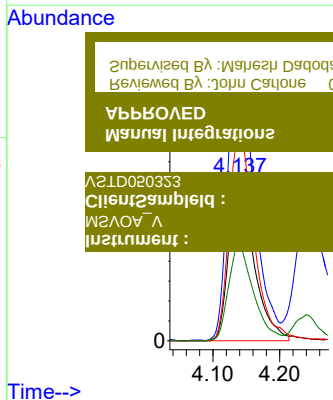
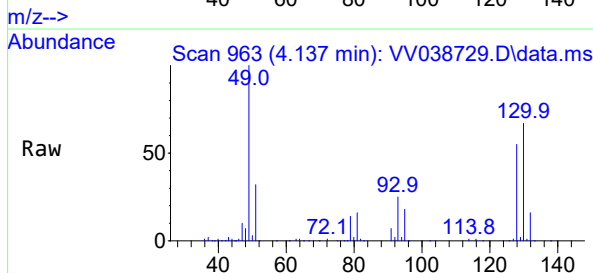
#22
2-Butanone
Concen: 94.54 ug/L
RT: 3.863 min Scan# 878
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion: 43 Resp: 153073
Ion Ratio Lower Upper
43 100
72 21.0 12.5 37.5



#23
Bromochloromethane
Concen: 48.38 ug/L
RT: 4.137 min Scan# 963
Delta R.T. -0.003 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

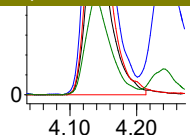
Tgt Ion:128 Resp: 86702
Ion Ratio Lower Upper
128 100
49 183.5 106.7 198.3
130 123.4 93.2 173.2
51 59.5 40.2 60.4

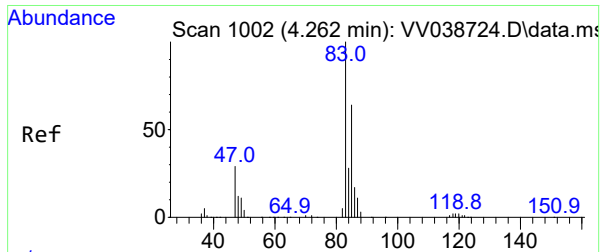


Submitted by: Magesh Dabodu 03/18/2025
Reviewed by: John Catione 03/18/2025

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Manual Integrations

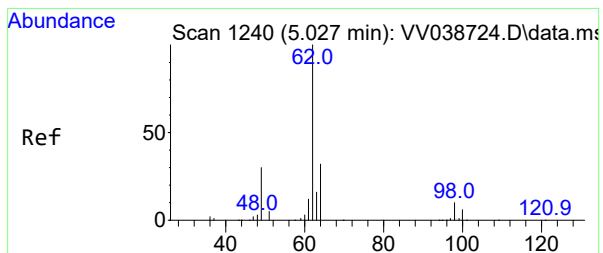
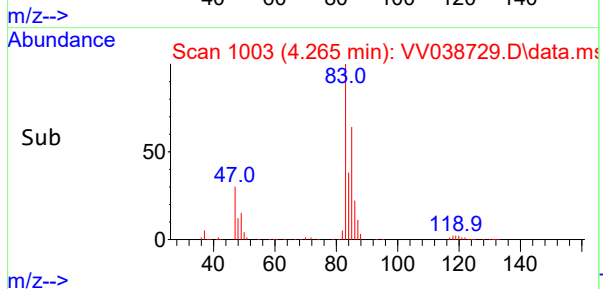
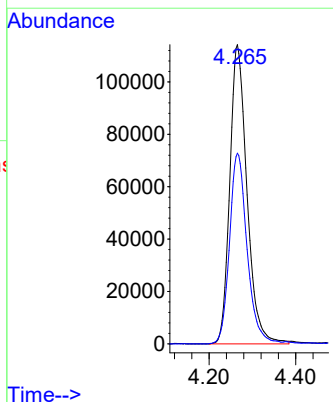
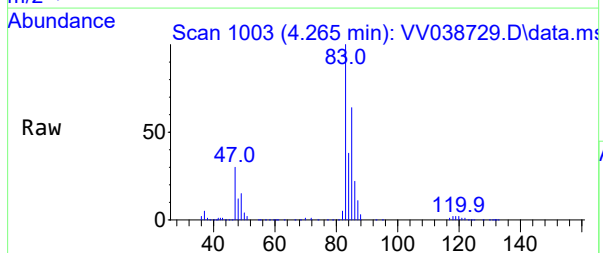
4/137
Client Sample ID :
MS/MS
Instrument :





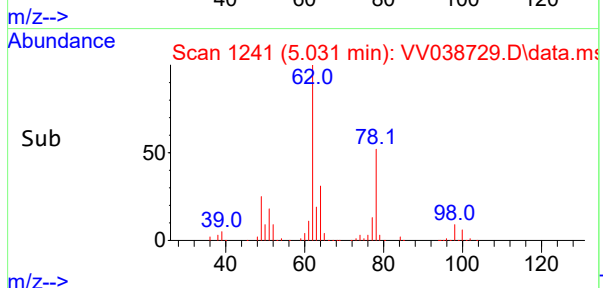
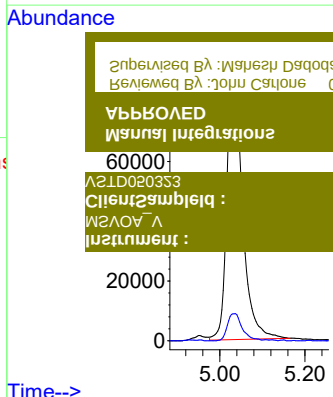
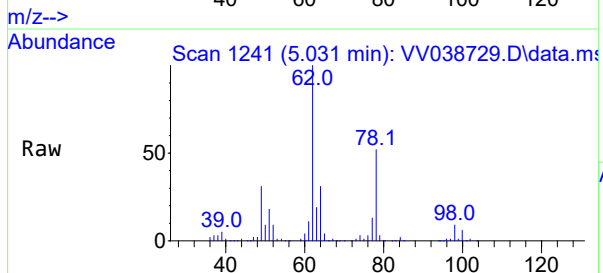
#25
Chloroform
Concen: 48.76 ug/L
RT: 4.265 min Scan# 1003
Delta R.T. -0.003 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion: 83 Resp: 314359
Ion Ratio Lower Upper
83 100
85 63.7 45.2 84.0



#27
1,2-Dichloroethane
Concen: 51.77 ug/L
RT: 5.031 min Scan# 1241
Delta R.T. -0.003 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

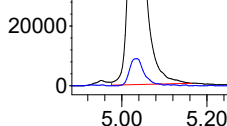
Tgt Ion: 62 Resp: 239261
Ion Ratio Lower Upper
62 100
98 9.0 7.5 11.3

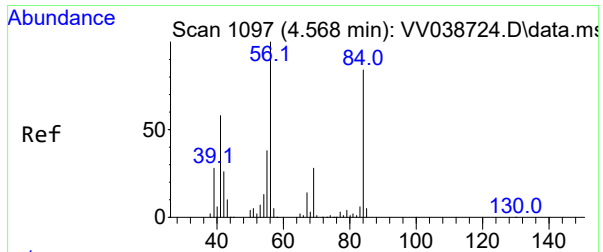


Submitted by: Magesh Dabodu 03/18/2025
Reviewed by: John Catione 03/18/2025

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Manual Integrations

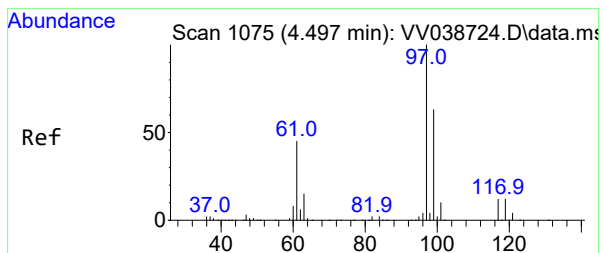
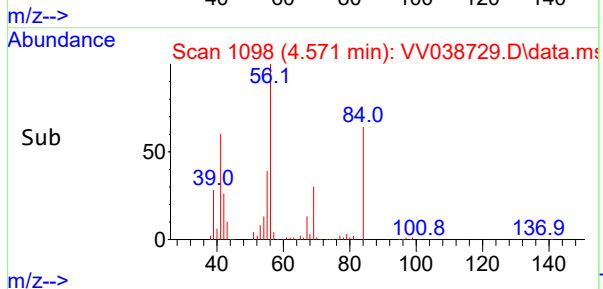
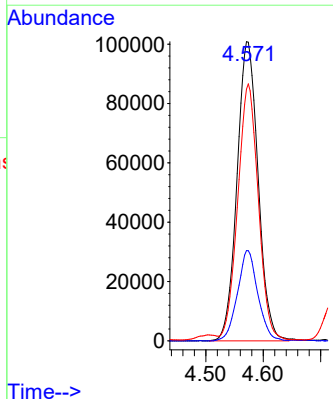
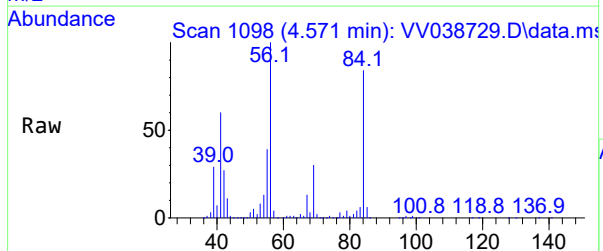
60000
V21D0203S3
Client Sample ID :
MS/MS
Instrument :





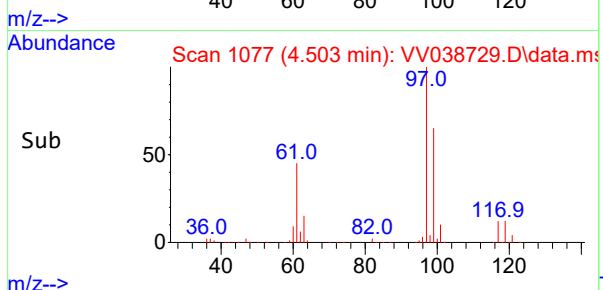
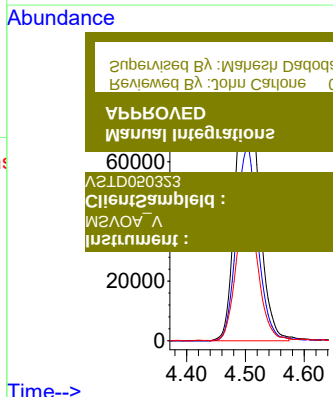
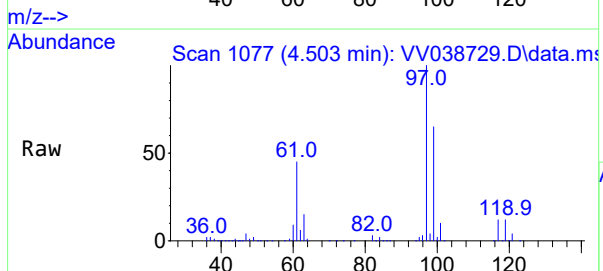
#29
Cyclohexane
Concen: 52.24 ug/L
RT: 4.571 min Scan# 1098
Delta R.T. -0.003 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion:	56	Resp:	257260
Ion	Ratio	Lower	Upper
56	100		
69	29.2	24.8	37.2
84	83.4	73.7	110.5



#30
1,1,1-Trichloroethane
Concen: 50.40 ug/L
RT: 4.503 min Scan# 1077
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion:	97	Resp:	258461
Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.3	78.5
61	46.2	33.6	50.4

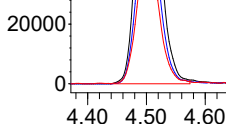


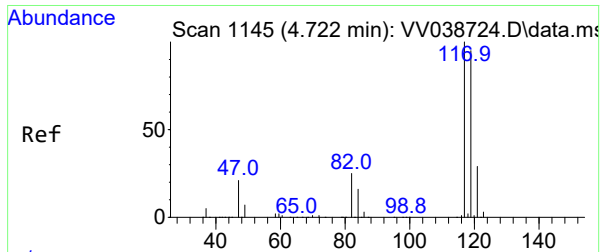
Submitted by: [illegible] 03/18/2025
Reviewed by: [illegible] 03/18/2025

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Manual Integrations

60000

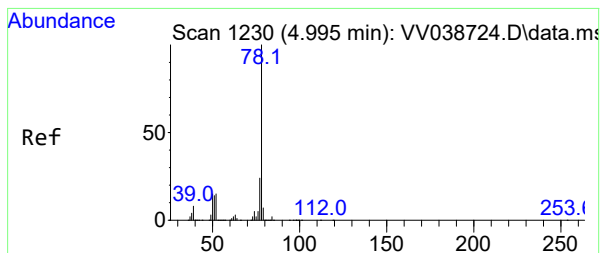
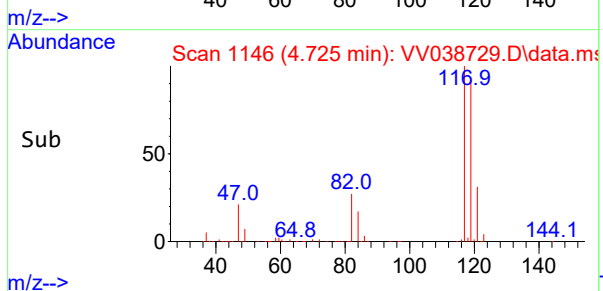
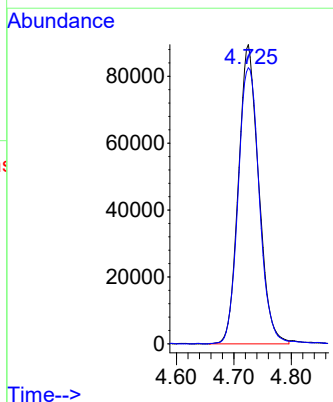
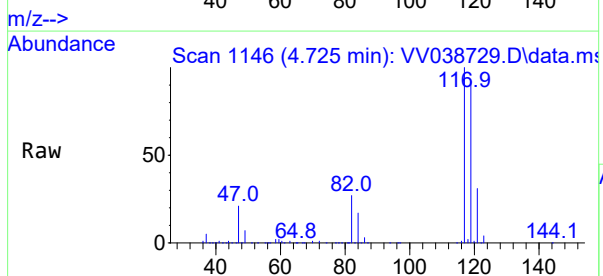
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Instrument:





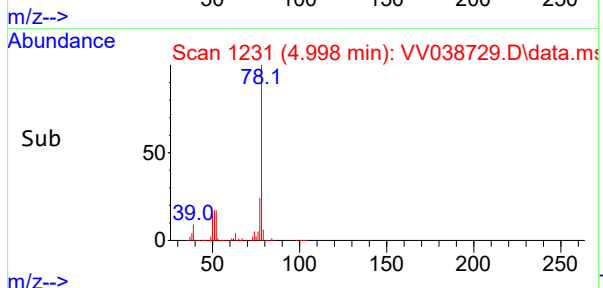
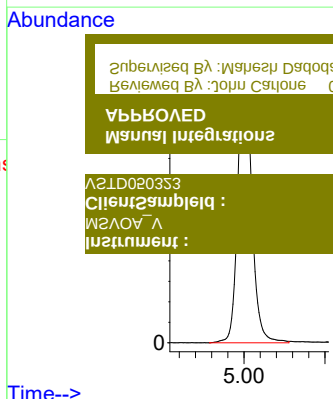
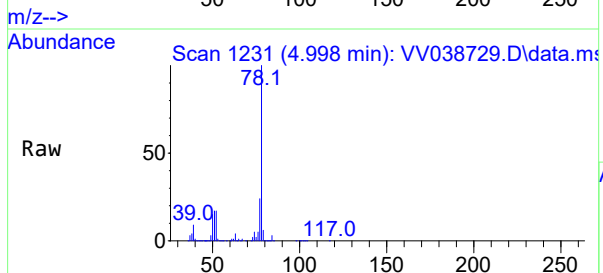
#31
Carbon tetrachloride
Concen: 49.61 ug/L
RT: 4.725 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion:117 Resp: 218723
Ion Ratio Lower Upper
117 100
119 96.5 77.7 116.5



#33
Benzene
Concen: 52.95 ug/L
RT: 4.998 min Scan# 1231
Delta R.T. -0.003 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion: 78 Resp: 673108



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

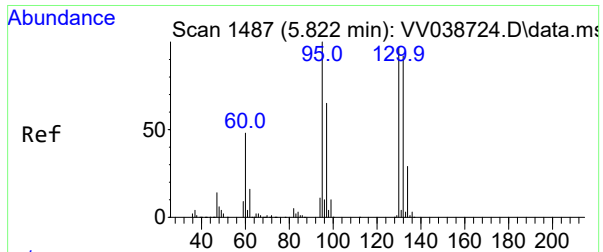
APPROVED

Manual Integrations

1210020333

Client Sample ID: 1210020333

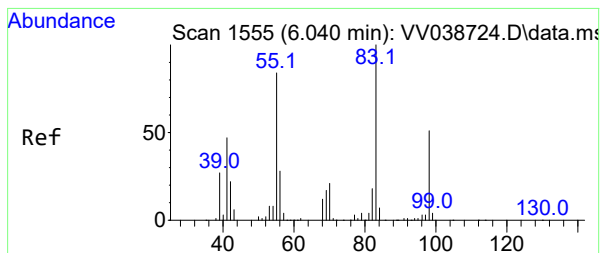
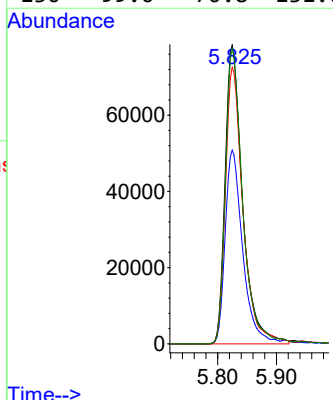
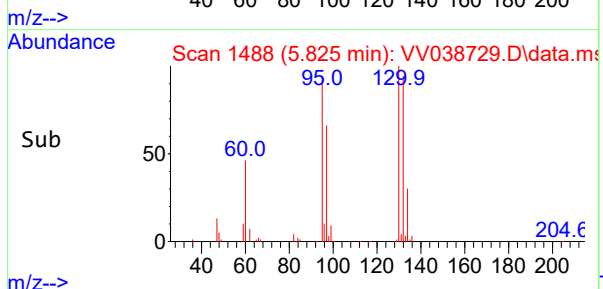
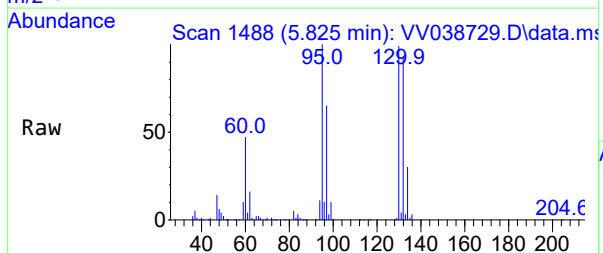
Instrument: 1210020333



#34
Trichloroethene
Concen: 49.53 ug/L
RT: 5.825 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion: 95 Resp: 161948

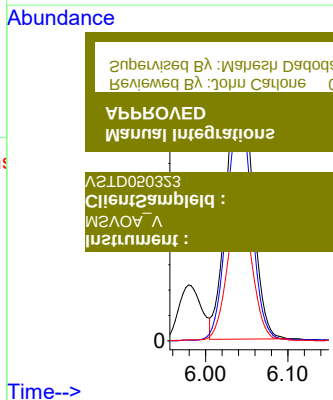
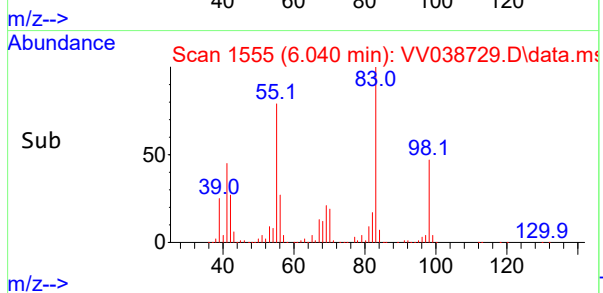
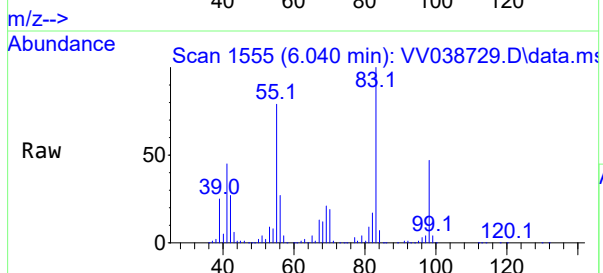
Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.6	84.8
132	92.5	67.6	125.6
130	99.0	70.8	131.6



#35
Methylcyclohexane
Concen: 49.99 ug/L
RT: 6.040 min Scan# 1555
Delta R.T. -0.003 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion: 83 Resp: 239850

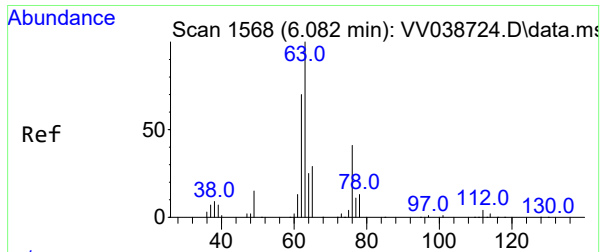
Ion	Ratio	Lower	Upper
83	100		
55	80.1	59.0	88.6
98	47.5	39.5	59.3



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

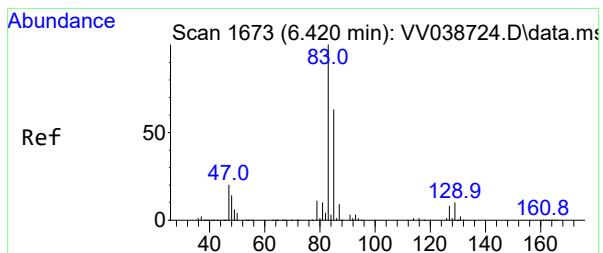
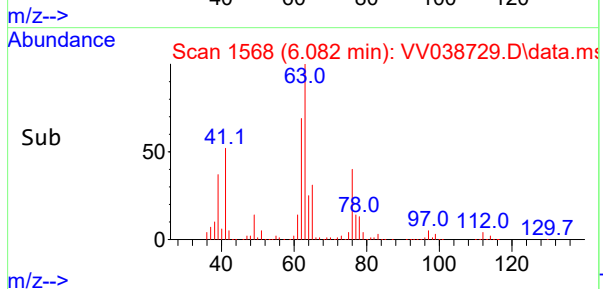
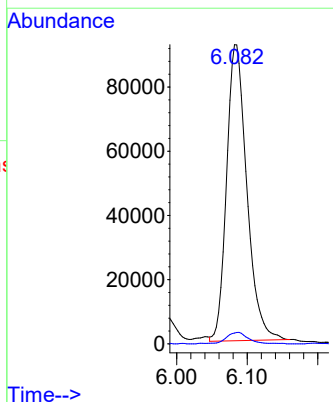
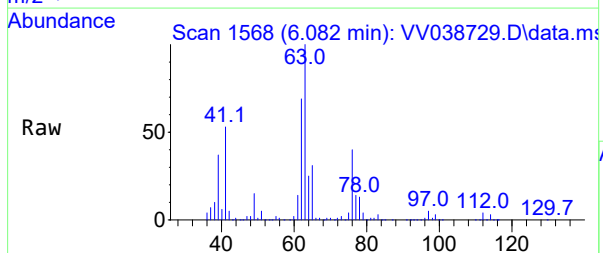
APPROVED
Manual Integrations

1/21/2025
Client Sample ID :
MS/MS
Instrument :



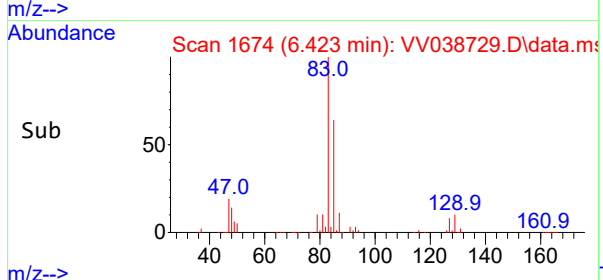
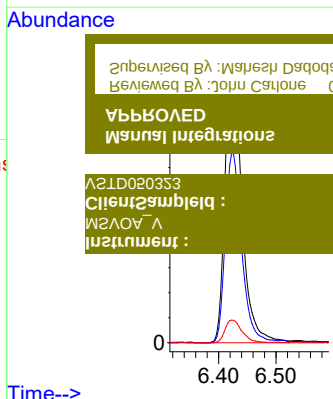
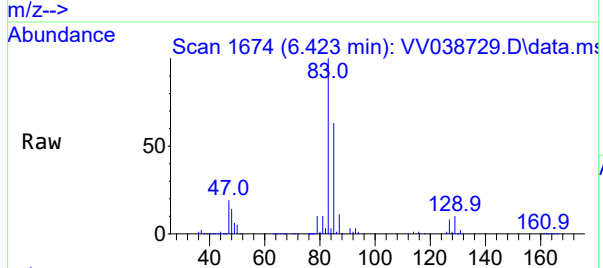
#37
1,2-Dichloropropane
Concen: 51.91 ug/L
RT: 6.082 min Scan# 1568
Delta R.T. -0.003 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion: 63 Resp: 183879
Ion Ratio Lower Upper
63 100
112 3.8 3.8 5.6



#38
Bromodichloromethane
Concen: 50.43 ug/L
RT: 6.423 min Scan# 1674
Delta R.T. -0.003 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

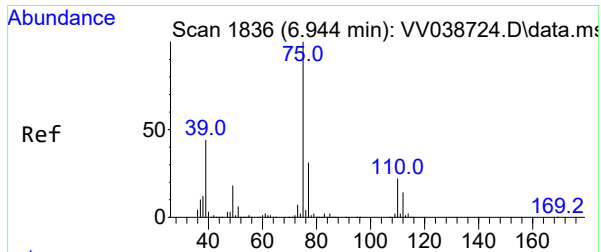
Tgt Ion: 83 Resp: 235106
Ion Ratio Lower Upper
83 100
85 63.4 44.9 83.5
127 7.6 6.8 10.2



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

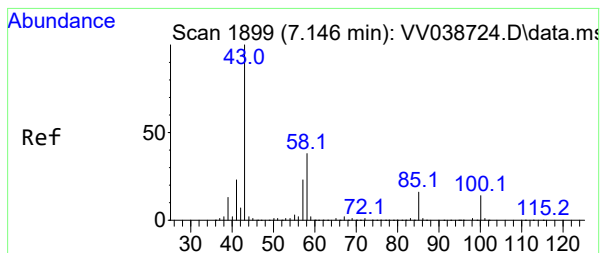
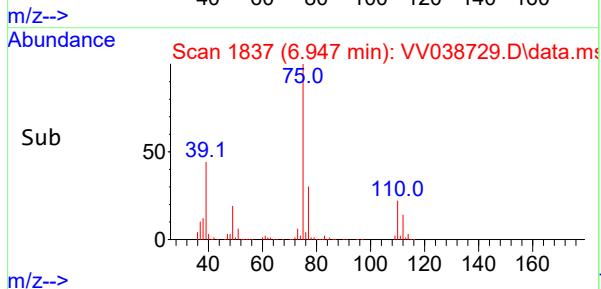
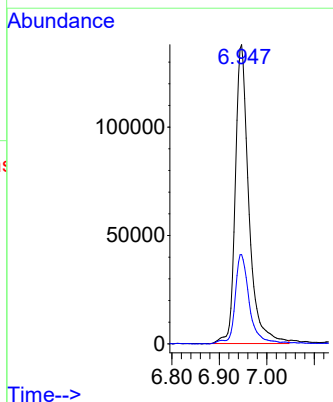
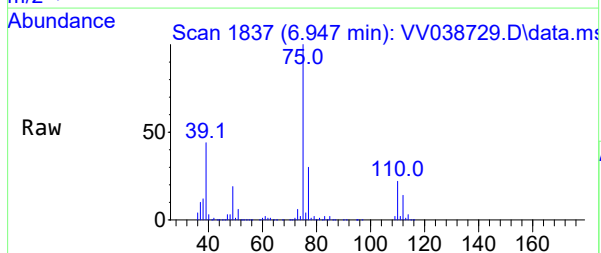
APPROVED
Manual Integrations

1/21/2025
Client Sample ID :
MS/MS
Instrument :



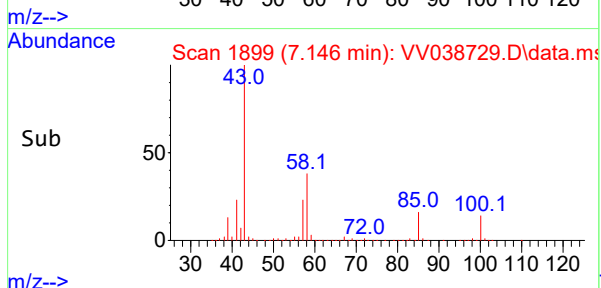
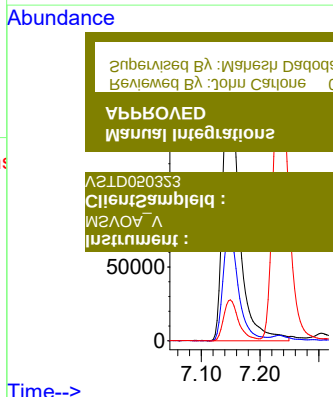
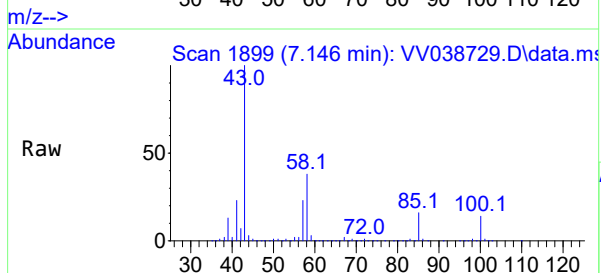
#39
 cis-1,3-Dichloropropene
 Concen: 53.91 ug/L
 RT: 6.947 min Scan# 1837
 Delta R.T. 0.000 min
 Lab File: VV038729.D
 Acq: 18 Mar 2025 15:06

Tgt Ion: 75 Resp: 273223
 Ion Ratio Lower Upper
 75 100
 77 29.9 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 115.50 ug/L
 RT: 7.146 min Scan# 1899
 Delta R.T. -0.003 min
 Lab File: VV038729.D
 Acq: 18 Mar 2025 15:06

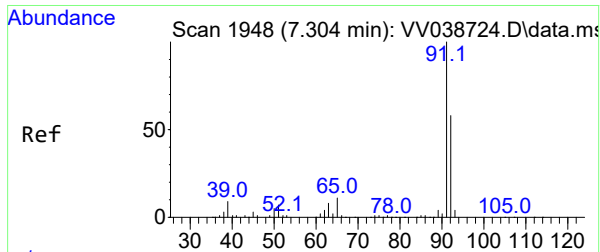
Tgt Ion: 43 Resp: 363148
 Ion Ratio Lower Upper
 43 100
 58 37.4 32.7 49.1
 100 13.6 13.7 20.5#



Submitted by: [Name] Date: 03/18/2025
 Reviewed by: [Name] Date: 03/18/2025

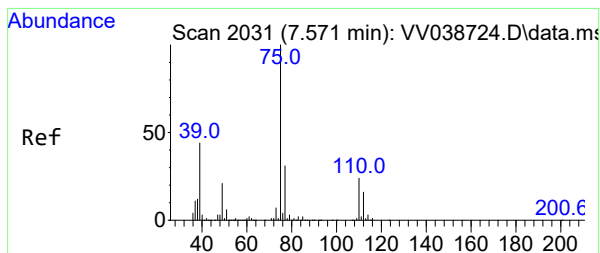
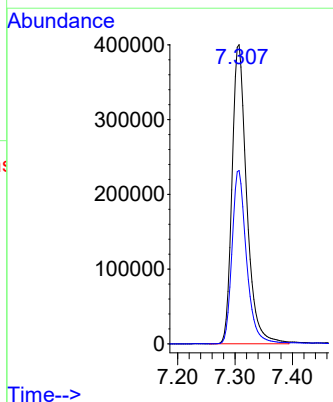
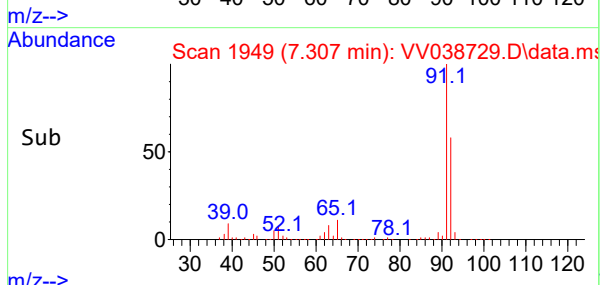
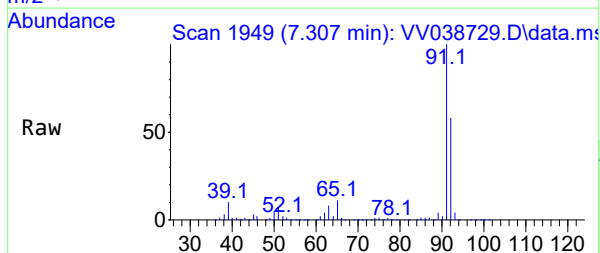
APPROVED
 Manual Integrations

Client Sample ID: [ID]
 Instrument: [Instrument]



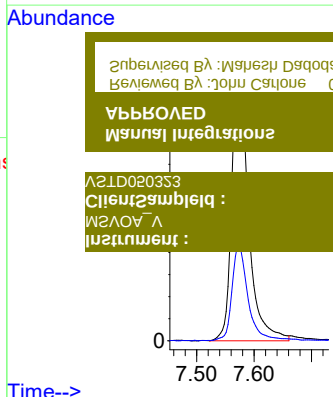
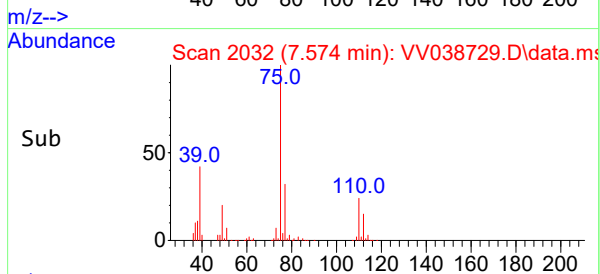
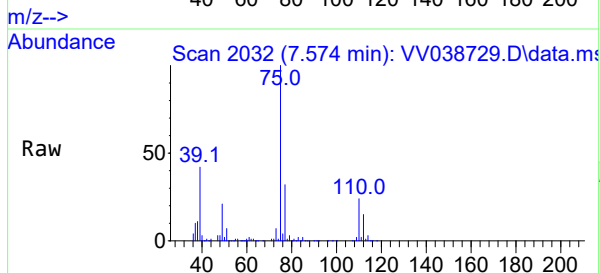
#42
Toluene
Concen: 54.58 ug/L
RT: 7.307 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion: 91 Resp: 707988
Ion Ratio Lower Upper
91 100
92 57.9 41.2 76.4



#44
trans-1,3-Dichloropropene
Concen: 53.87 ug/L
RT: 7.574 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

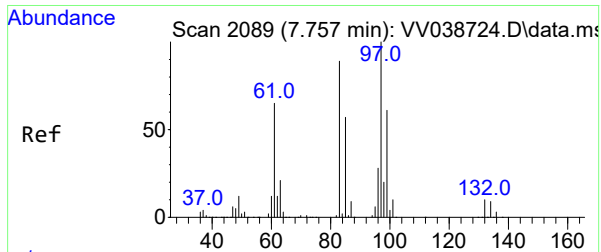
Tgt Ion: 75 Resp: 258702
Ion Ratio Lower Upper
75 100
77 32.2 22.7 42.1



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

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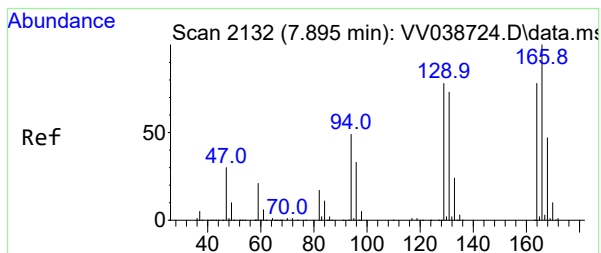
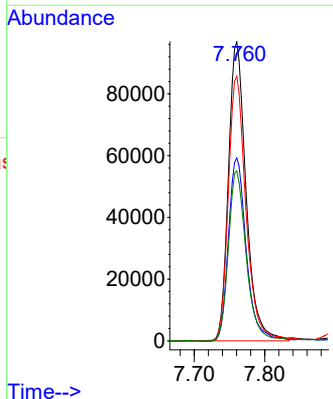
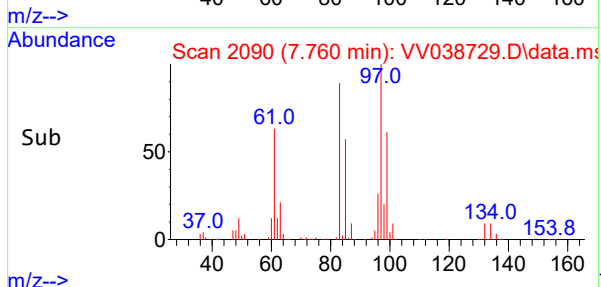
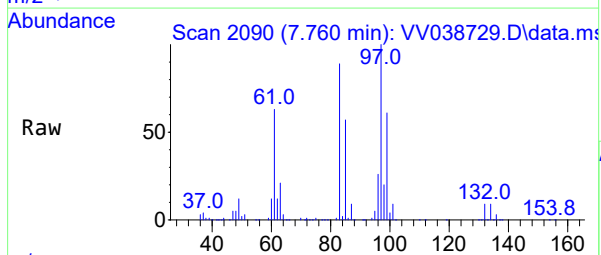
1210020323
Client Sample ID:
MS/MS
Instrument:



#45
1,1,2-Trichloroethane
Concen: 50.39 ug/L
RT: 7.760 min Scan# 2090
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion: 97 Resp: 168286

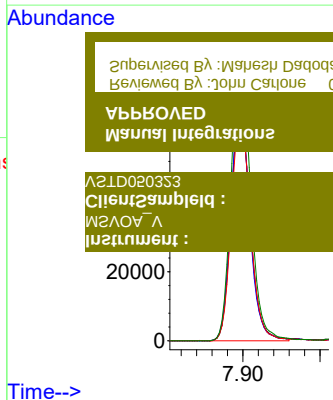
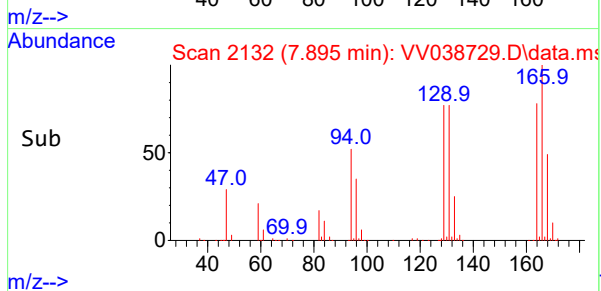
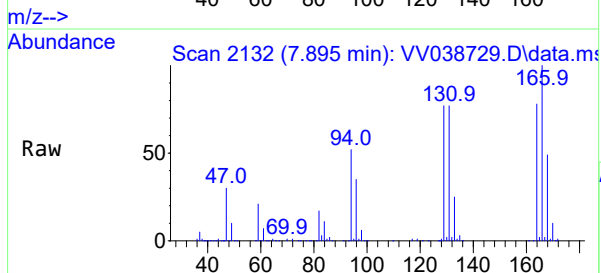
Ion	Ratio	Lower	Upper
97	100		
99	61.2	43.6	81.0
83	88.6	60.5	112.5
85	56.9	38.0	70.6



#46
Tetrachloroethene
Concen: 49.91 ug/L
RT: 7.895 min Scan# 2132
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion: 164 Resp: 115856

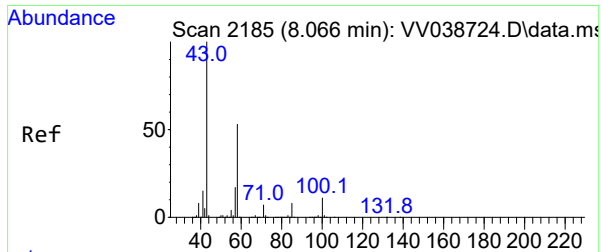
Ion	Ratio	Lower	Upper
164	100		
129	99.0	69.2	128.4
131	99.0	63.1	117.3
166	128.8	89.7	166.5



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

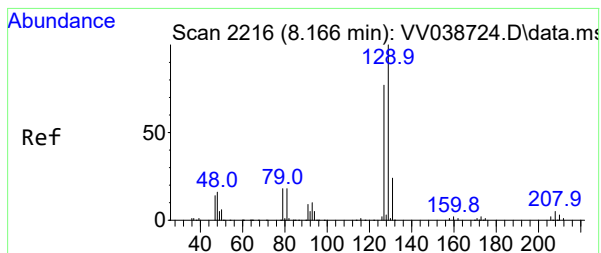
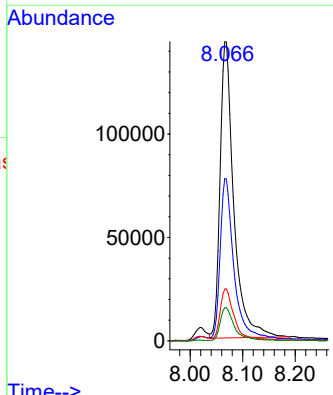
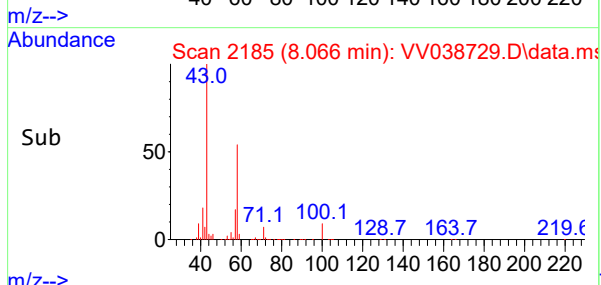
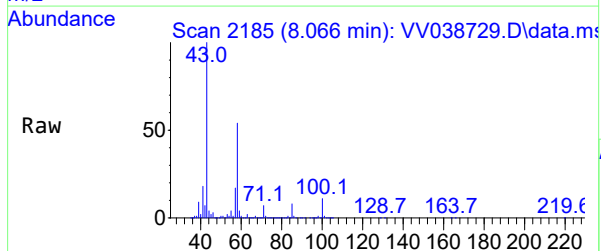
APPROVED
Manual integrations

1/21/2025
Client Sample ID :
MS/MS
Instrument :



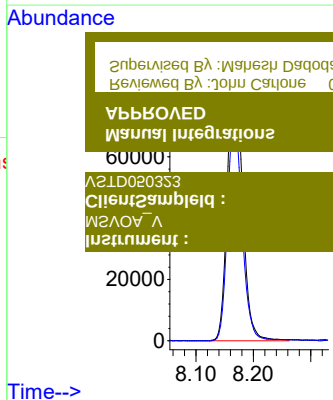
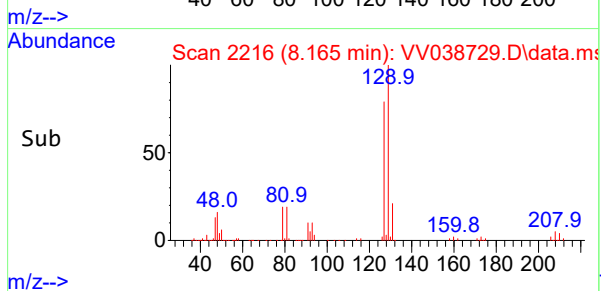
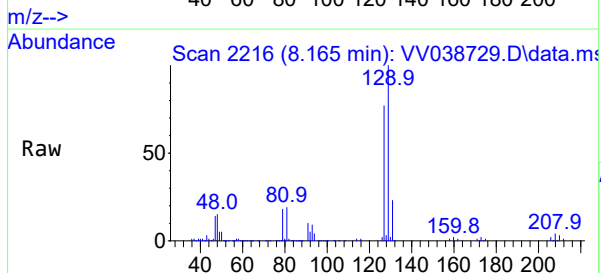
#48
2-Hexanone
Concen: 119.08 ug/L
RT: 8.066 min Scan# 2185
Delta R.T. -0.003 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion:	43	Resp:	259551
Ion	Ratio	Lower	Upper
43	100		
58	53.5	48.0	72.0
57	16.6	15.5	23.3
100	11.2	11.0	16.4



#49
Dibromochloromethane
Concen: 50.72 ug/L
RT: 8.165 min Scan# 2216
Delta R.T. -0.003 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

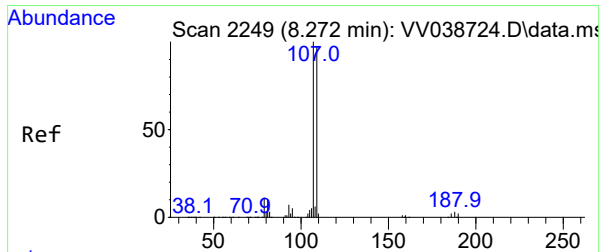
Tgt Ion:	129	Resp:	168971
Ion	Ratio	Lower	Upper
129	100		
127	76.8	53.8	100.0



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

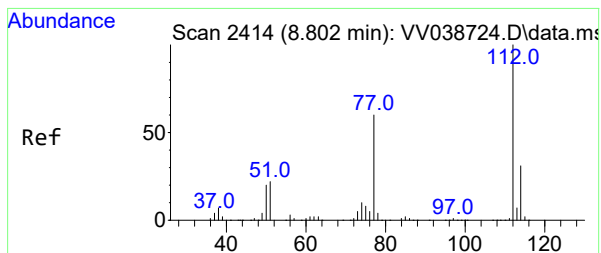
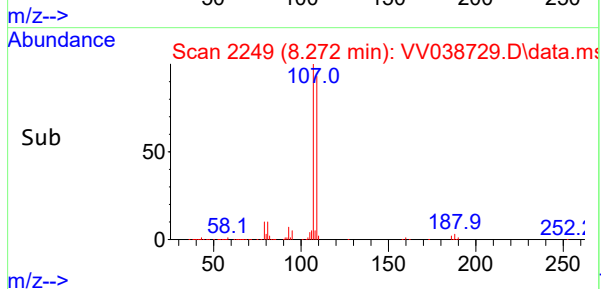
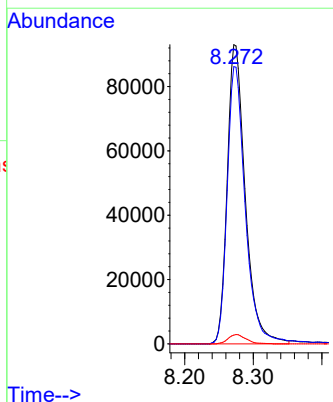
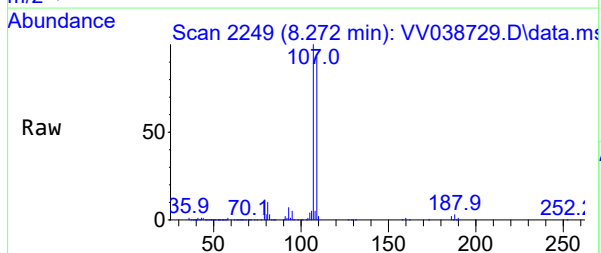
APPROVED
Manual integrations

60000
1/21/2025
Client Sample ID:
MS/MS
Instrument:



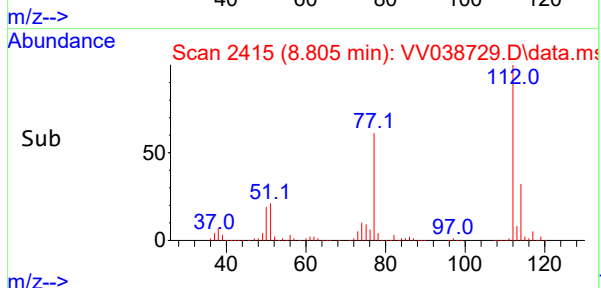
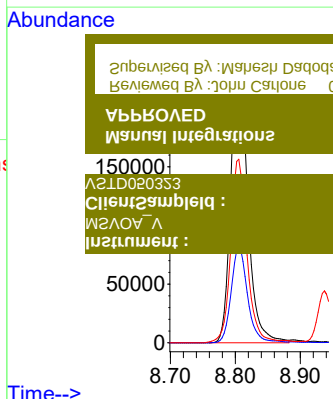
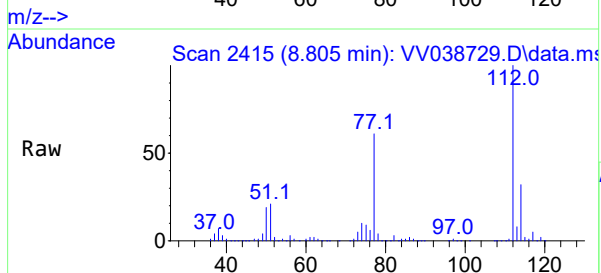
#50
1,2-Dibromoethane
Concen: 52.29 ug/L
RT: 8.272 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion:	107	Resp:	169943
Ion	Ratio	Lower	Upper
107	100		
109	92.6	66.1	122.7
188	3.0	2.6	3.8



#51
Chlorobenzene
Concen: 50.31 ug/L
RT: 8.805 min Scan# 2415
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion:	112	Resp:	445910
Ion	Ratio	Lower	Upper
112	100		
114	32.4	21.9	40.7
77	61.4	45.4	68.0



Submitted by: [Name] Date: 03/18/2025
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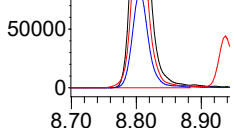
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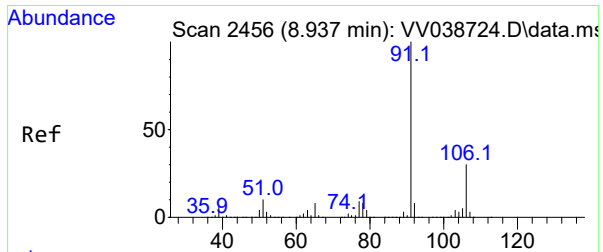
03/18/2025

Client Sample ID:

MS/MS

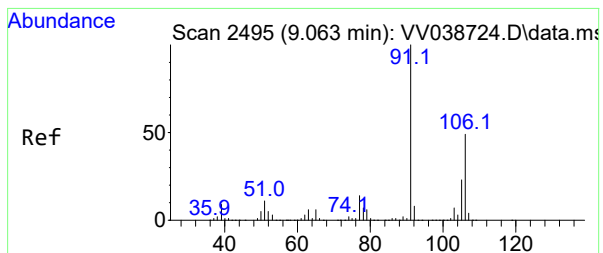
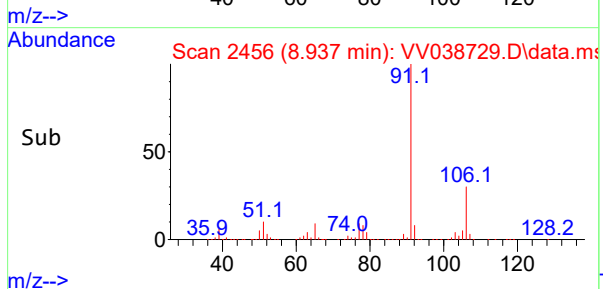
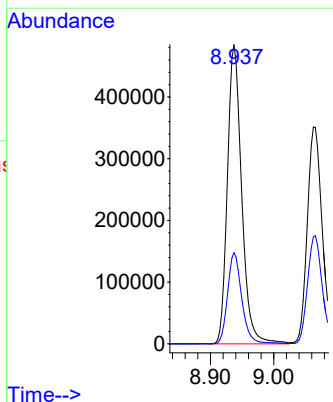
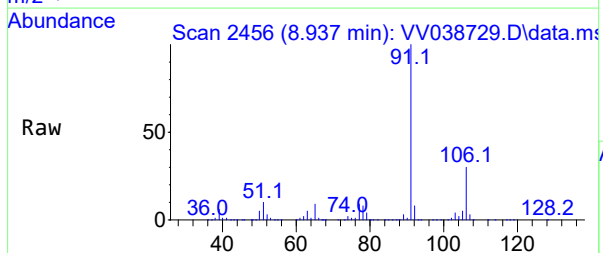
Instrument:





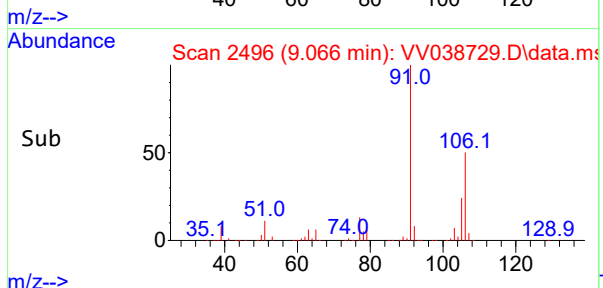
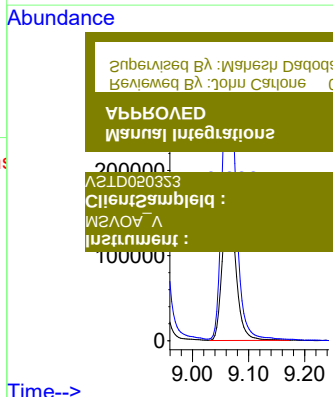
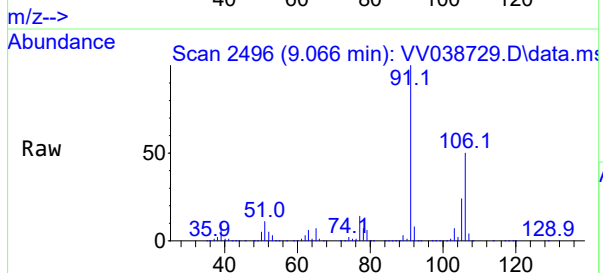
#52
Ethylbenzene
Concen: 53.00 ug/L
RT: 8.937 min Scan# 2456
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion: 91 Resp: 759317
Ion Ratio Lower Upper
91 100
106 30.5 21.6 40.0



#53
m,p-Xylene
Concen: 55.30 ug/L
RT: 9.066 min Scan# 2496
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

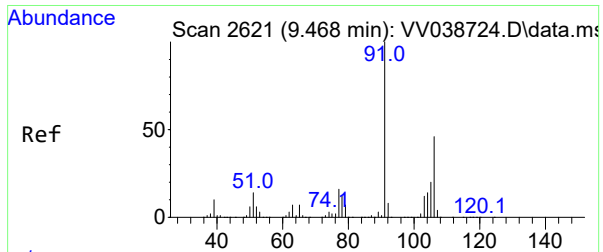
Tgt Ion: 106 Resp: 287630
Ion Ratio Lower Upper
106 100
91 199.9 142.6 264.8



Subtracted by: Manual Integration 03/18/2025
Reviewed by: John Carlson 03/18/2025

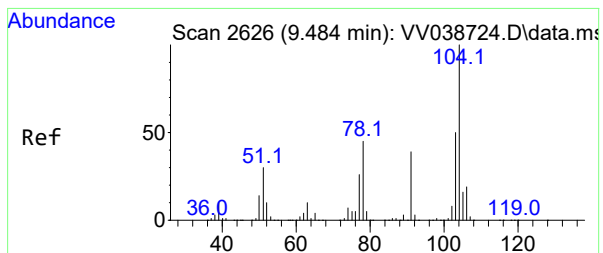
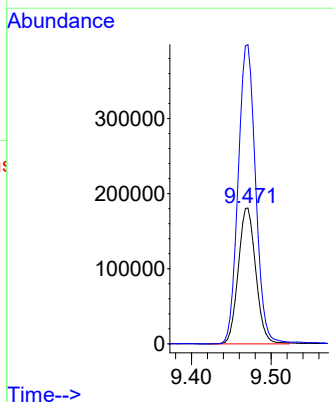
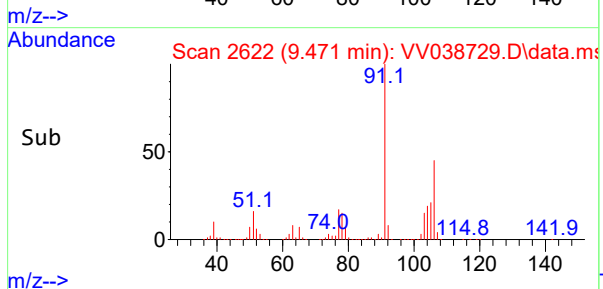
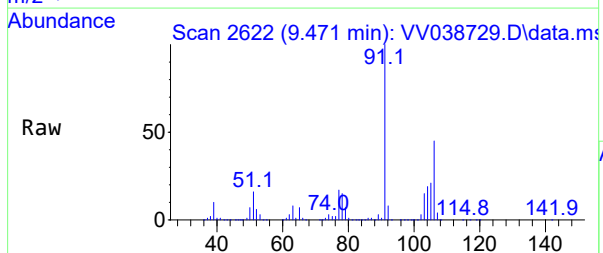
APPROVED
Manual Integrations

200000
V21D0203S3
Client Sample ID:
W2A07A
Instrument:



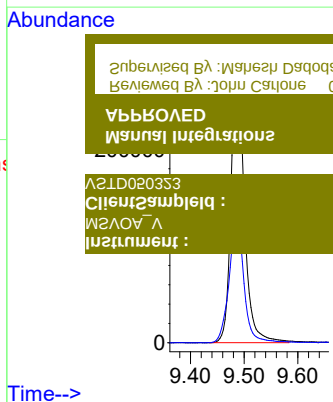
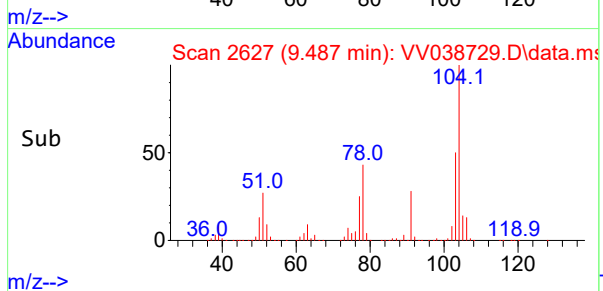
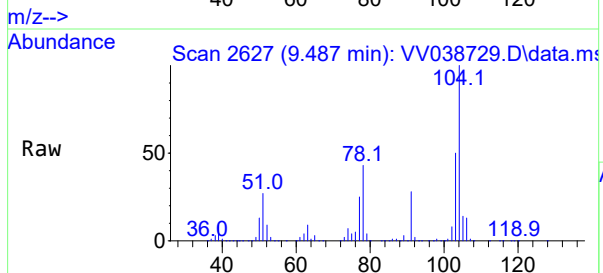
#54
o-Xylene
Concen: 54.51 ug/L
RT: 9.471 min Scan# 2622
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion:106 Resp: 275434
Ion Ratio Lower Upper
106 100
91 220.4 151.1 280.7



#55
Styrene
Concen: 57.59 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

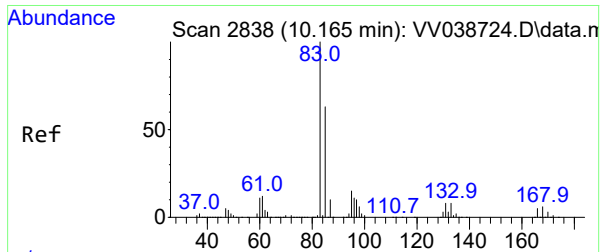
Tgt Ion:104 Resp: 511307
Ion Ratio Lower Upper
104 100
78 42.7 29.7 55.1



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

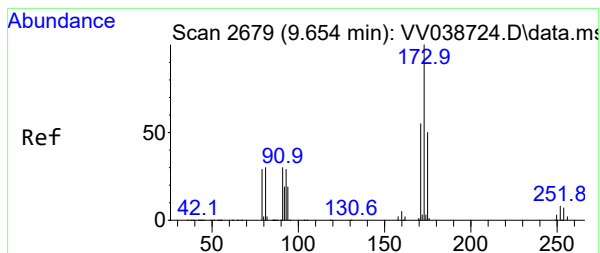
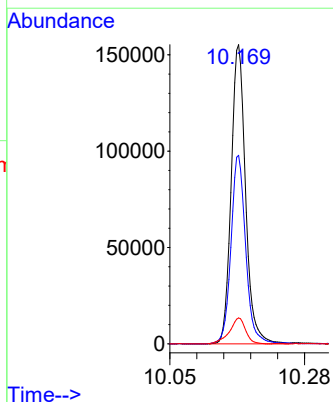
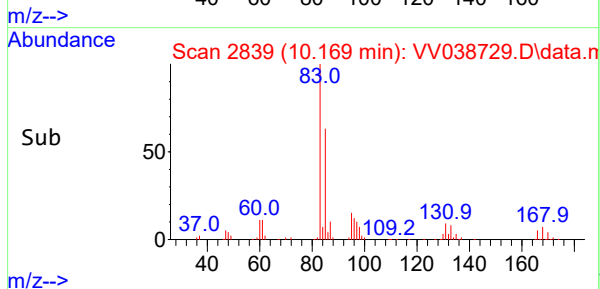
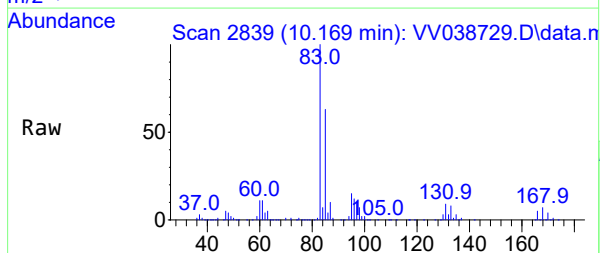
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Client Sample ID :
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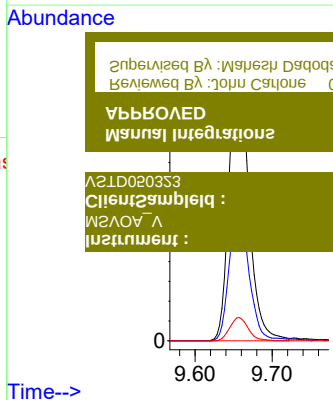
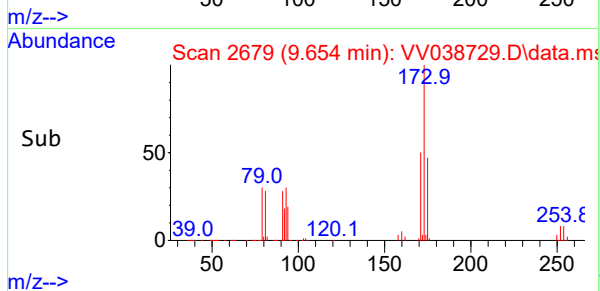
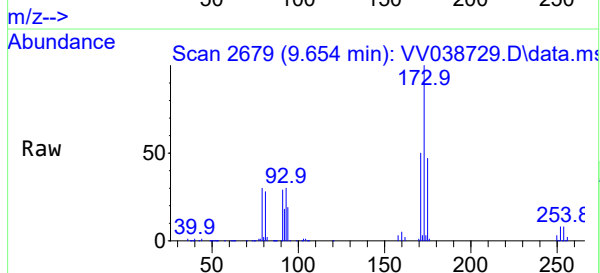
#57
1,1,2,2-Tetrachloroethane
Concen: 51.79 ug/L
RT: 10.169 min Scan# 2839
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion: 83 Resp: 257504
Ion Ratio Lower Upper
83 100
85 63.0 44.7 82.9
131 8.7 8.0 12.0



#59
Bromoform
Concen: 51.33 ug/L
RT: 9.654 min Scan# 2679
Delta R.T. -0.003 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

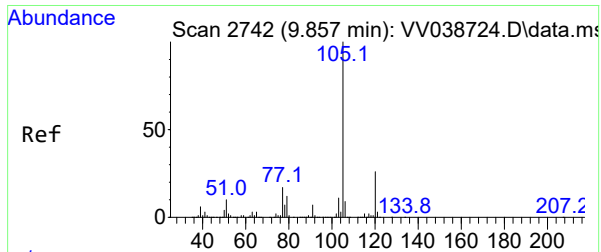
Tgt Ion: 173 Resp: 103071
Ion Ratio Lower Upper
173 100
175 47.3 38.8 58.2
254 7.6 6.9 10.3



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

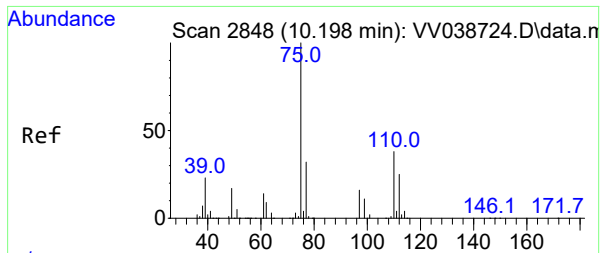
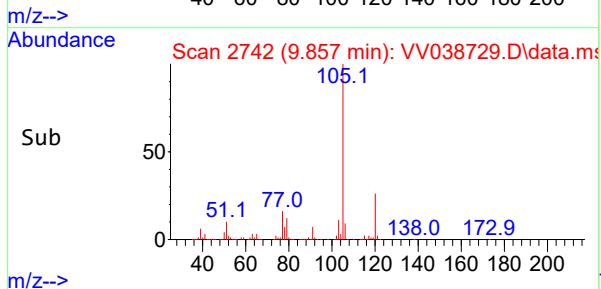
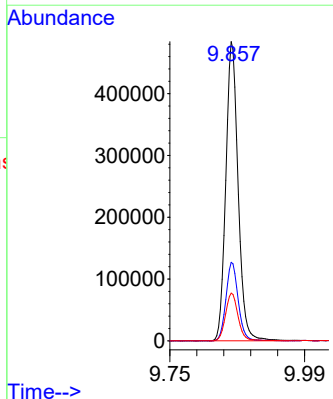
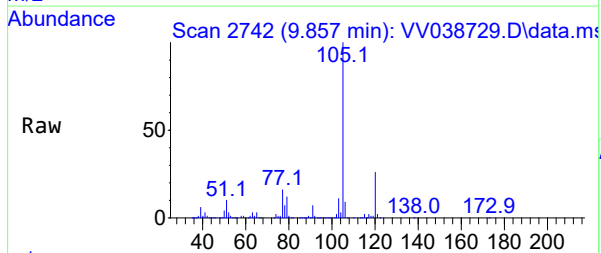
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Instrument :



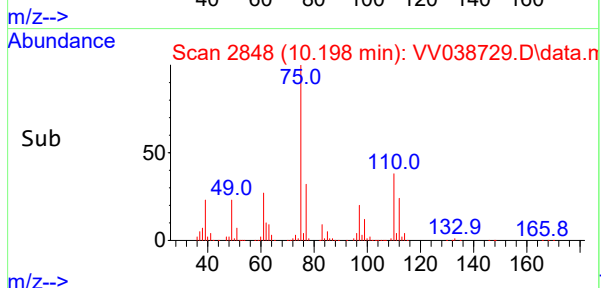
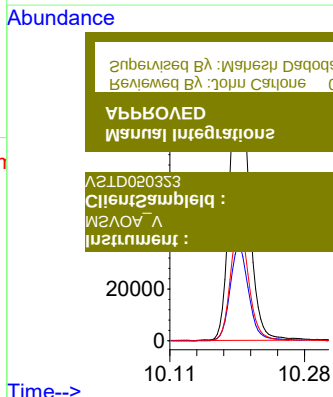
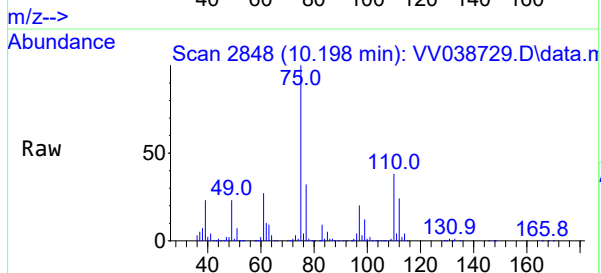
#60
Isopropylbenzene
Concen: 54.15 ug/L
RT: 9.857 min Scan# 2742
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion:	105	Resp:	736639
Ion Ratio	Lower	Upper	
105	100		
120	26.0	21.0	31.4
77	16.1	12.2	18.4



#61
1,2,3-Trichloropropane
Concen: 51.48 ug/L
RT: 10.198 min Scan# 2848
Delta R.T. -0.003 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

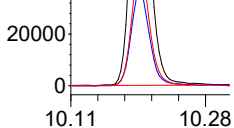
Tgt Ion:	75	Resp:	185630
Ion Ratio	Lower	Upper	
75	100		
77	32.2	25.8	38.6
110	38.9	32.2	48.4

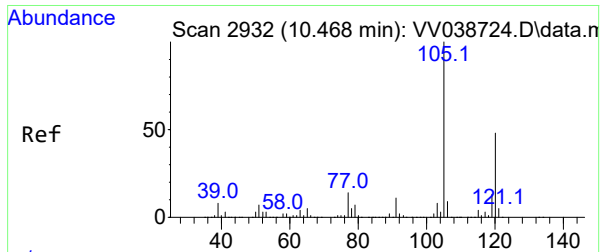


Submitted by: Marybeth DeBord 03/18/2025
Reviewed by: John C. Jones 03/18/2025

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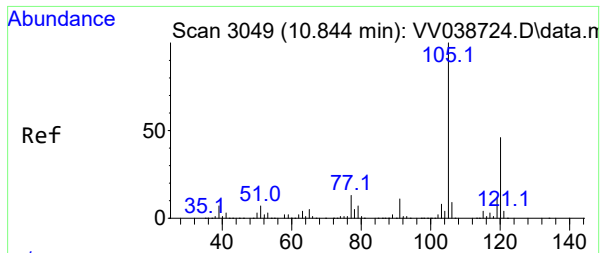
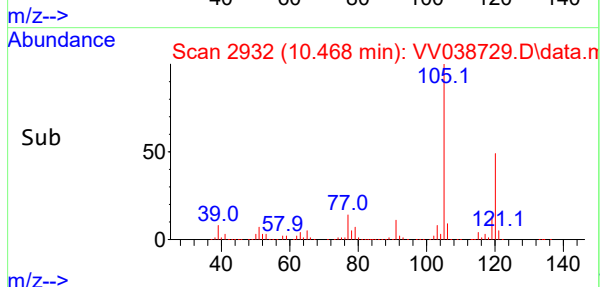
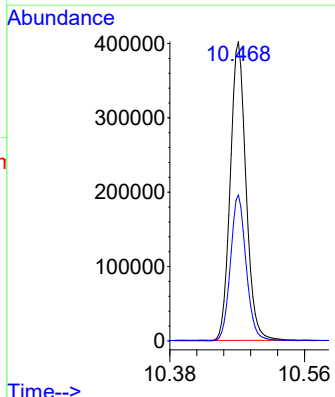
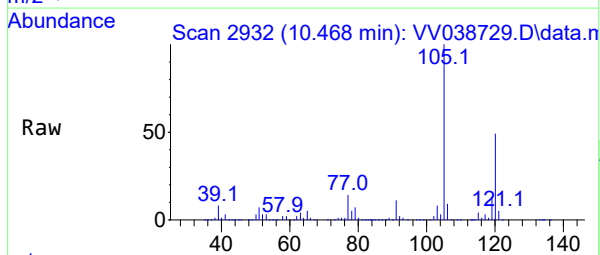
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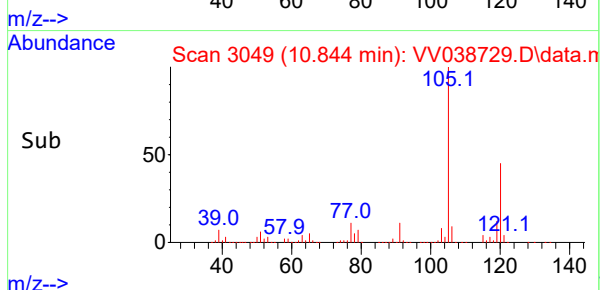
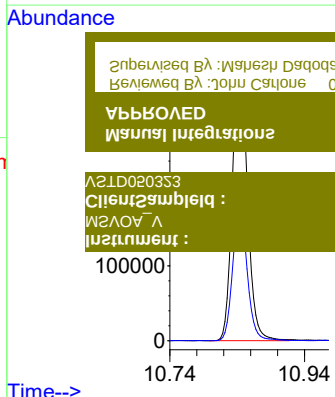
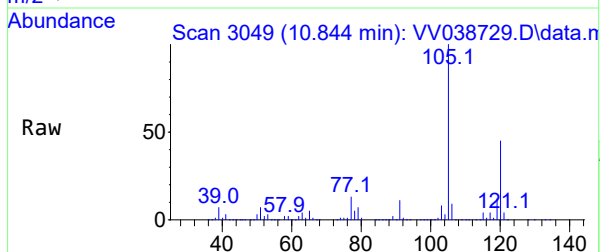
#62
1,3,5-Trimethylbenzene
Concen: 55.54 ug/L
RT: 10.468 min Scan# 2932
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion:105 Resp: 585250
Ion Ratio Lower Upper
105 100
120 48.8 39.1 58.7



#63
1,2,4-Trimethylbenzene
Concen: 55.03 ug/L
RT: 10.844 min Scan# 3049
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

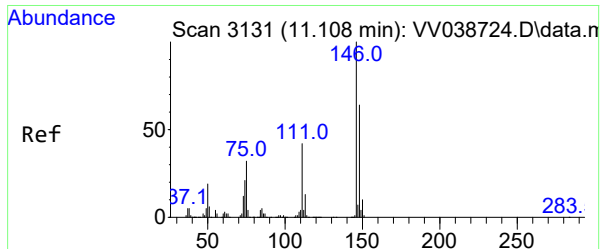
Tgt Ion:105 Resp: 588031
Ion Ratio Lower Upper
105 100
120 45.1 36.6 55.0



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

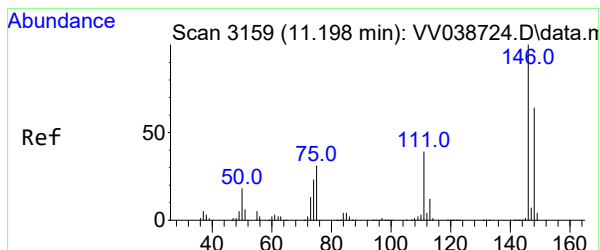
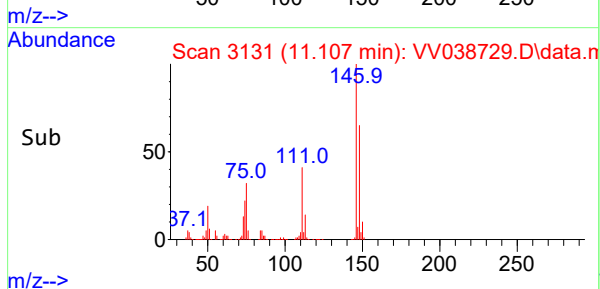
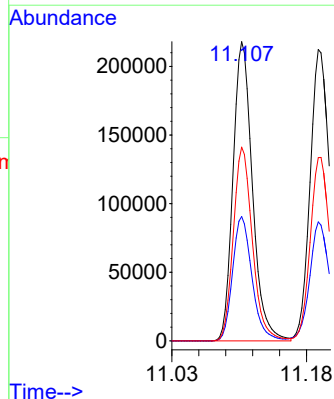
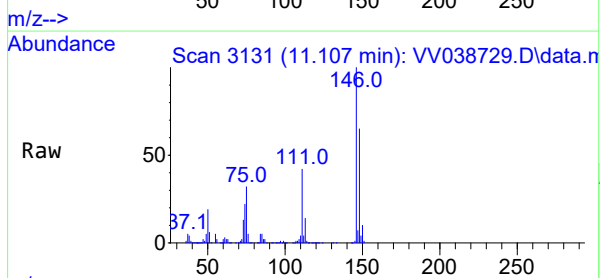
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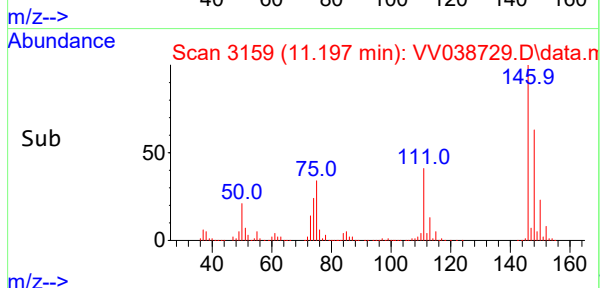
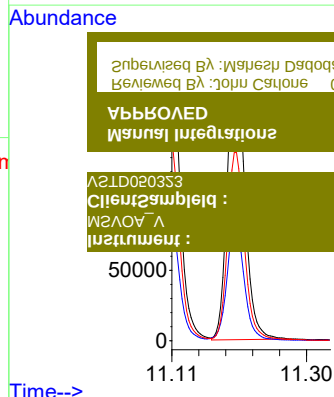
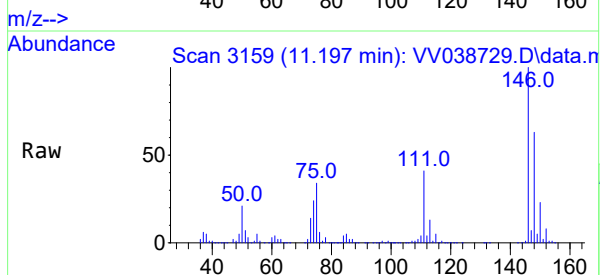
#64
1,3-Dichlorobenzene
Concen: 52.30 ug/L
RT: 11.107 min Scan# 3131
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion:146 Resp: 344924
Ion Ratio Lower Upper
146 100
111 41.6 27.8 51.6
148 64.7 45.1 83.7



#65
1,4-Dichlorobenzene
Concen: 49.67 ug/L
RT: 11.197 min Scan# 3159
Delta R.T. -0.003 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

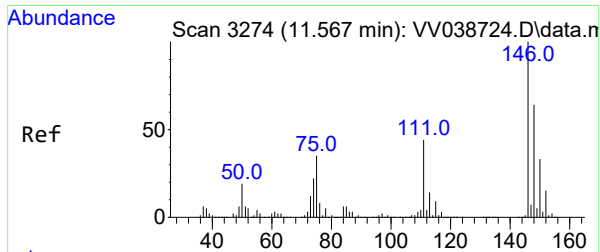
Tgt Ion:146 Resp: 351174
Ion Ratio Lower Upper
146 100
111 40.8 27.6 51.4
148 62.9 44.9 83.3



Submitted by: Manish Dabode 03/18/2025
Reviewed by: John C. Jones 03/18/2025

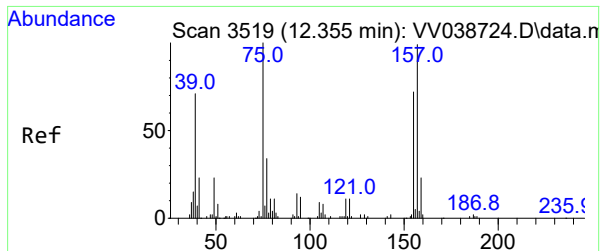
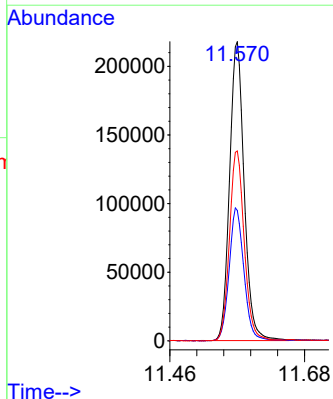
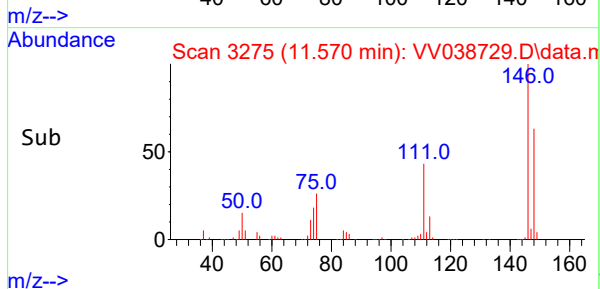
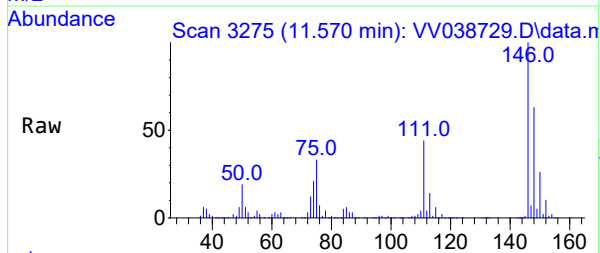
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Client Sample ID:
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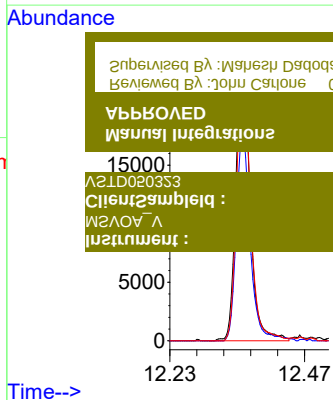
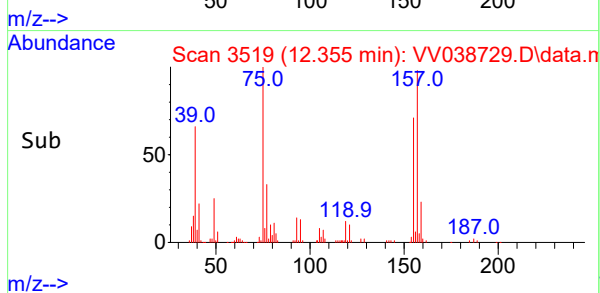
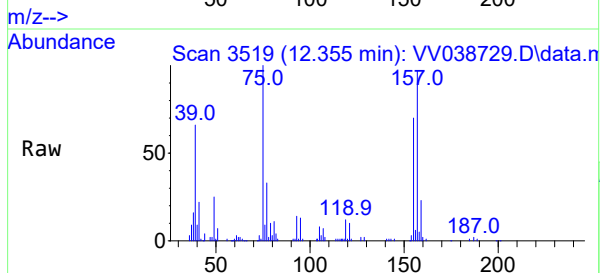
#67
1,2-Dichlorobenzene
Concen: 53.37 ug/L
RT: 11.570 min Scan# 3275
Delta R.T. 0.003 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion:	146	Resp:	357462
Ion	Ratio	Lower	Upper
146	100		
111	43.6	34.2	51.2
148	63.5	50.5	75.7



#68
1,2-Dibromo-3-chloropropane
Concen: 49.74 ug/L
RT: 12.355 min Scan# 3519
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

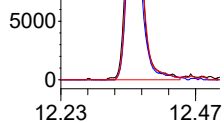
Tgt Ion:	75	Resp:	43354
Ion	Ratio	Lower	Upper
75	100		
155	70.4	66.8	100.2
157	97.2	83.4	125.2

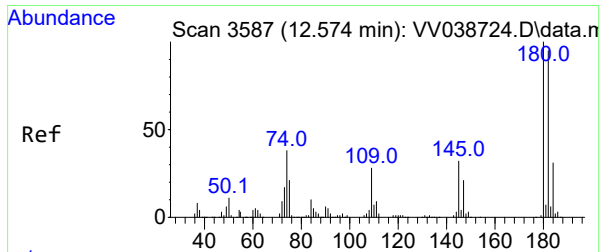


Submitted by: Magesh Dargoda 03/11/2022
Reviewed by: John Carione 03/11/2022

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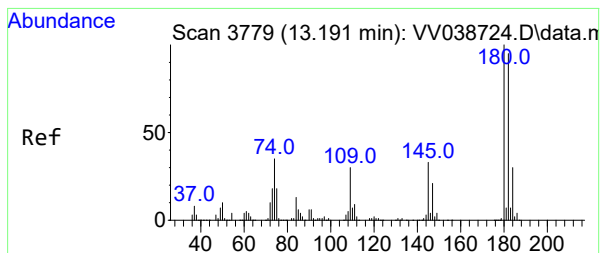
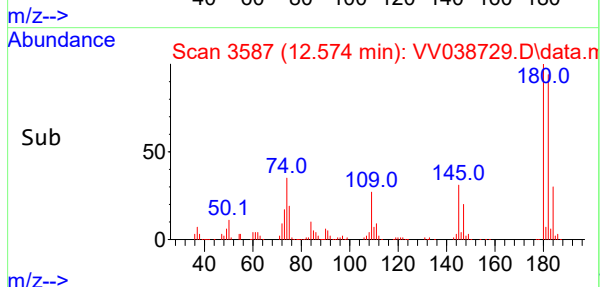
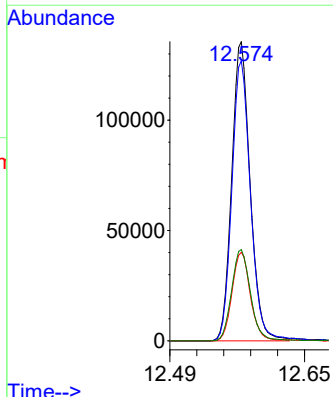
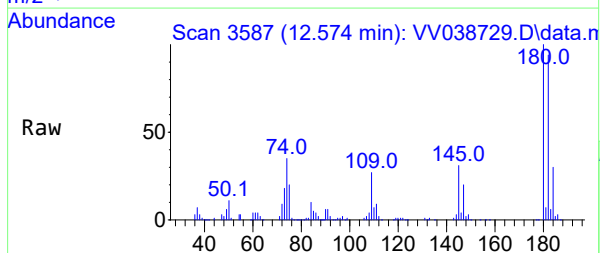
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Client Sample ID:
Instrument:





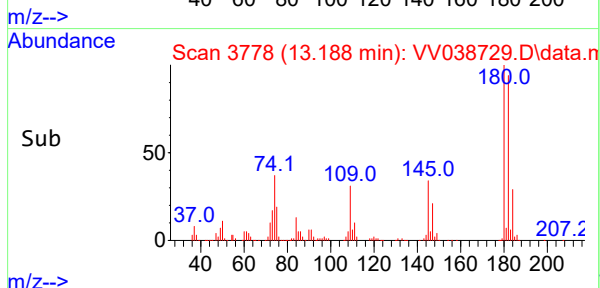
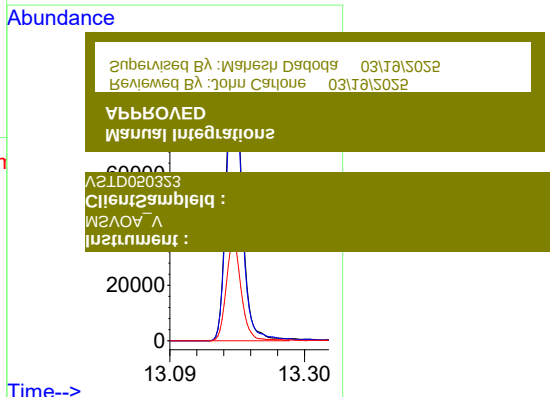
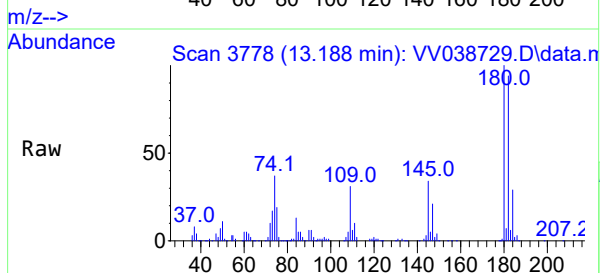
#69
1,3,5-Trichlorobenzene
Concen: 50.11 ug/L
RT: 12.574 min Scan# 3587
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

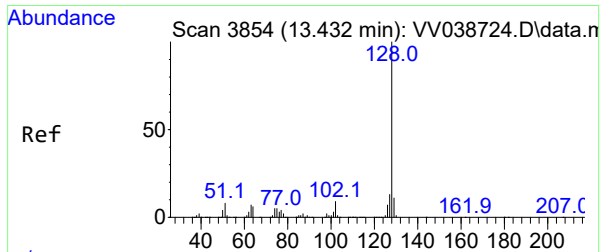
Tgt Ion:180 Resp: 210549
Ion Ratio Lower Upper
180 100
182 94.6 76.2 114.4
184 29.4 23.8 35.6
145 31.2 24.8 37.2



#70
1,2,4-trichlorobenzene
Concen: 50.80 ug/L
RT: 13.188 min Scan# 3778
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

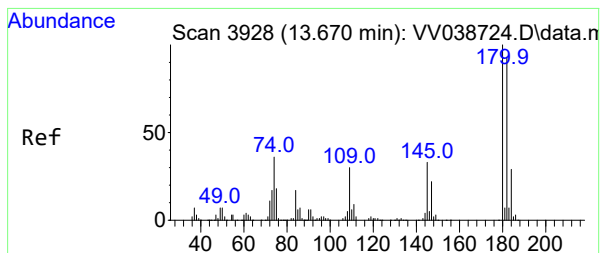
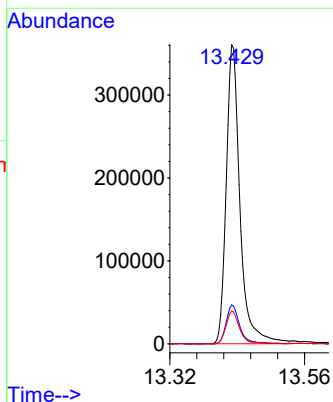
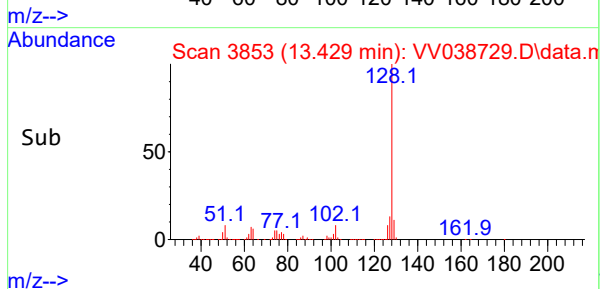
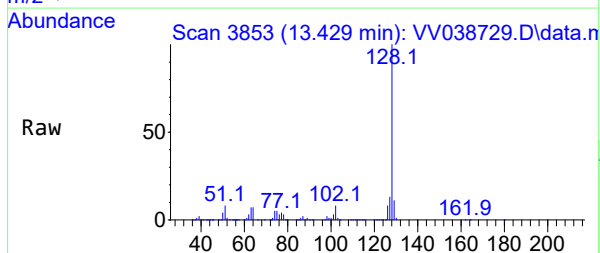
Tgt Ion:180 Resp: 175446
Ion Ratio Lower Upper
180 100
182 93.9 76.2 114.2
145 32.9 24.7 37.1





#71
Naphthalene
Concen: 66.90 ug/L
RT: 13.429 min Scan# 3853
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion:	128	Resp:	599302
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.9	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 52.25 ug/L
RT: 13.670 min Scan# 3928
Delta R.T. 0.000 min
Lab File: VV038729.D
Acq: 18 Mar 2025 15:06

Tgt Ion:	180	Resp:	176891
Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.8	113.6
145	35.8	27.1	40.7

