

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031725\
 Data File : VV038713.D
 Acq On : 17 Mar 2025 12:55
 Operator : SY/MD
 Sample : VSTD01014
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010214

Quant Time: Mar 17 13:53:22 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 APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	358165	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	393310	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	198756	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	38118	12.74	ug/L	0.00
7) Chloroethane-d5	1.529	69	32000	12.69	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.053	65	17167	13.53	ug/L	0.00
21) 2-Butanone-d5	3.825	46	23553m	16.54	ug/L	0.04
24) Chloroform-d	4.249	84	68408	12.56	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.944	65	39375	12.25	ug/L	0.00
32) Benzene-d6	4.957	84	119838	10.58	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.986	67	38448	10.91	ug/L	0.00
41) Toluene-d8	7.239	98	96858	9.45	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	15104	8.86	ug/L	0.02
47) 2-Hexanone-d5	8.037	63	11736	10.91	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.146	84	48680	9.88	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.554	152	36612	9.53	ug/L	0.00
Target Compounds						
2) Dichlorodifluoromethane	1.108	85	32282	9.81	ug/L	100
3) Chloromethane	1.217	50	42113	12.34	ug/L	99
5) Vinyl chloride	1.282	62	42580	12.23	ug/L #	57
6) Bromomethane	1.484	94	22250	10.32	ug/L	96
8) Chloroethane	1.548	64	27837	12.64	ug/L	94
9) Trichlorofluoromethane	1.712	101	55735	12.14	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	32842	12.43	ug/L	93
12) 1,1-Dichloroethene	2.066	96	30445	12.09	ug/L	89
13) Acetone	2.111	43	25919	13.20	ug/L	100
14) Carbon disulfide	2.236	76	94330	11.39	ug/L	100
15) Methyl Acetate	2.378	43	27244	10.72	ug/L	94
16) Methylene chloride	2.442	84	38801	12.77	ug/L	88
17) trans-1,2-Dichloroethene	2.693	96	30301	11.04	ug/L	96
18) Methyl tert-butyl Ether	2.699	73	82513	10.41	ug/L	96
19) 1,1-Dichloroethane	3.108	63	67754	13.46	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	33171	11.49	ug/L	93
22) 2-Butanone	3.915	43	29709m	15.92	ug/L	
23) Bromochloromethane	4.150	128	18761	11.96	ug/L	82
25) Chloroform	4.275	83	67833	12.91	ug/L	98
27) 1,2-Dichloroethane	5.043	62	47383	12.36	ug/L	98
29) Cyclohexane	4.574	56	46513	11.01	ug/L	91
30) 1,1,1-Trichloroethane	4.503	97	56116	11.29	ug/L	97
31) Carbon tetrachloride	4.728	117	47497	10.87	ug/L	98
33) Benzene	5.008	78	133598	11.25	ug/L	100
34) Trichloroethene	5.834	95	33704	10.63	ug/L	96
35) Methylcyclohexane	6.043	83	46107	10.12	ug/L	93
37) 1,2-Dichloropropane	6.092	63	36895	11.95	ug/L #	95
38) Bromodichloromethane	6.429	83	50452	11.78	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	46530	9.71	ug/L	93
40) 4-Methyl-2-pentanone	7.159	43	58225	16.85	ug/L #	89
42) Toluene	7.313	91	129578	10.51	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	43383	9.38	ug/L	98

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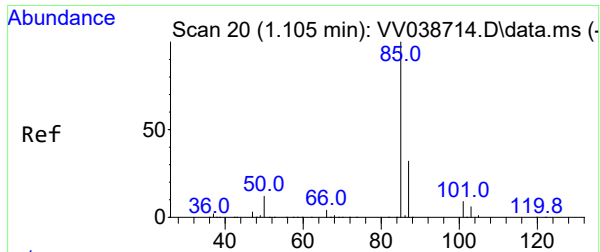
Quant Time: Mar 17 13:53:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 17 13:51:31 2025
Response via : Initial Calibration

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APPROVED

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

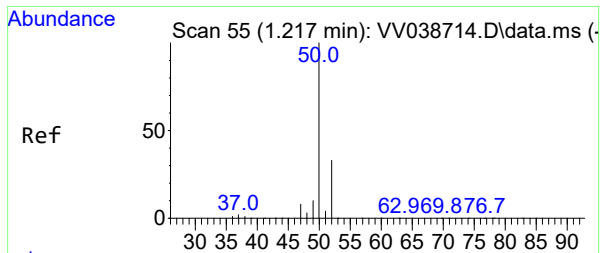
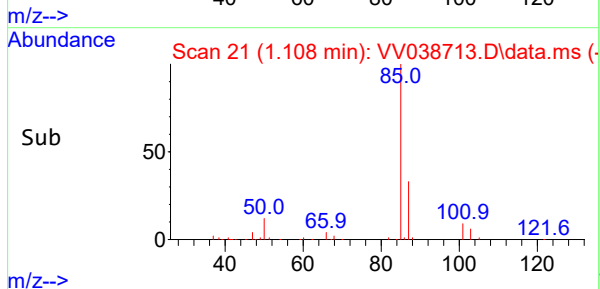
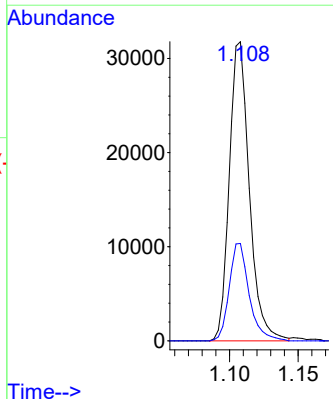
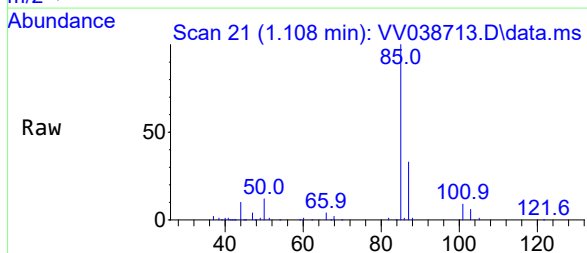
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.767	97	36728	11.47	ug/L	97
46) Tetrachloroethene	7.899	164	24743	10.11	ug/L	96
48) 2-Hexanone	8.082	43	31692	10.99	ug/L #	87
49) Dibromochloromethane	8.172	129	35250	10.67	ug/L	99
50) 1,2-Dibromoethane	8.281	107	33721	9.99	ug/L	99
51) Chlorobenzene	8.809	112	93114	10.99	ug/L	99
52) Ethylbenzene	8.940	91	136292	10.30	ug/L	99
53) m,p-Xylene	9.069	106	48452	9.66	ug/L	98
54) o-Xylene	9.471	106	44774	9.28	ug/L	95
55) Styrene	9.493	104	77004	9.09	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.169	83	52702	10.59	ug/L	99
59) Bromoform	9.661	173	19939	9.33	ug/L #	99
60) Isopropylbenzene	9.860	105	123448	10.16	ug/L	98
61) 1,2,3-Trichloropropane	10.204	75	38141	11.02	ug/L	96
62) 1,3,5-Trimethylbenzene	10.468	105	89376	9.16	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	86394	9.01	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	65795	10.55	ug/L	97
65) 1,4-Dichlorobenzene	11.201	146	70704	10.66	ug/L	97
67) 1,2-Dichlorobenzene	11.574	146	65933	10.37	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.358	75	8061	8.84	ug/L	97
69) 1,3,5-Trichlorobenzene	12.574	180	39110	9.19	ug/L	98
70) 1,2,4-trichlorobenzene	13.194	180	29218	8.15	ug/L	97
71) Naphthalene	13.435	128	65157	6.70	ug/L	97
72) 1,2,3-Trichlorobenzene	13.673	180	28055	7.98	ug/L	94

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



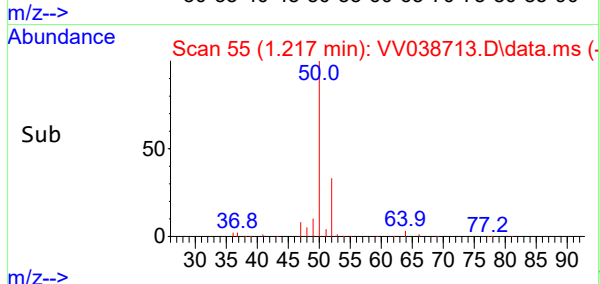
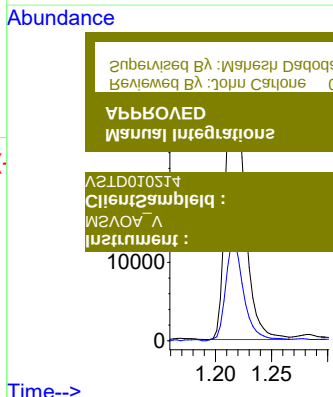
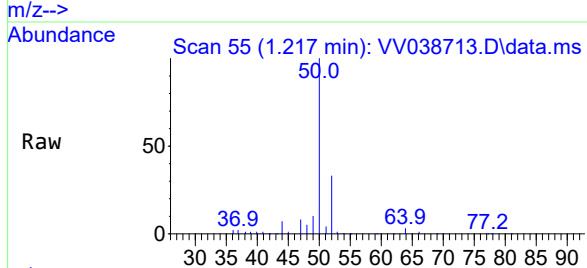
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Dichlorodifluoromethane
Concen: 9.81 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion: 85 Resp: 32282
Ion Ratio Lower Upper
85 100
87 32.4 25.8 38.6

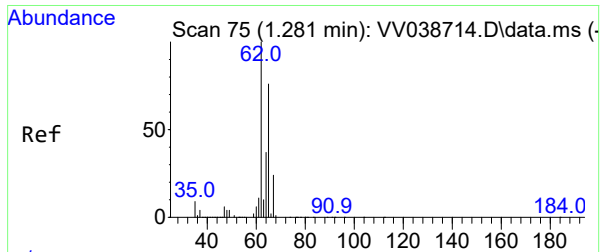


#3
Chloromethane
Concen: 12.34 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion: 50 Resp: 42113
Ion Ratio Lower Upper
50 100
52 33.3 22.7 42.3

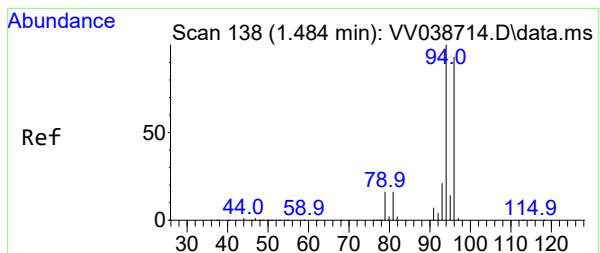
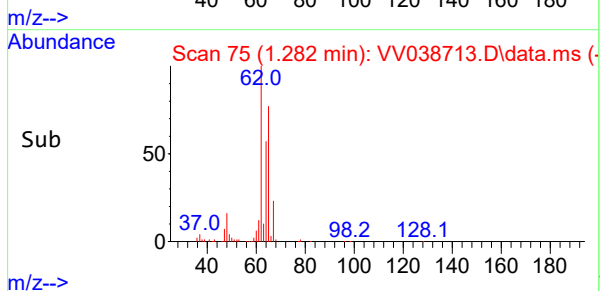
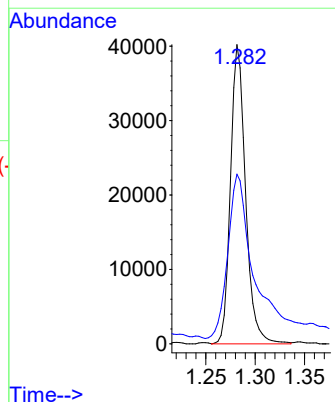
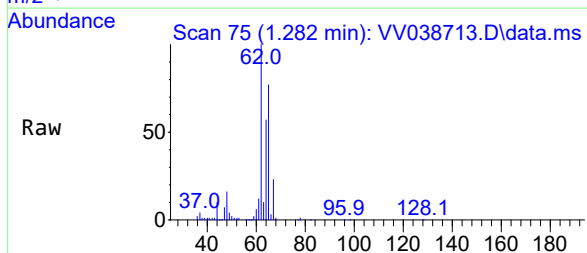


Submitted by: Magesh Dabodu 03/18/2025
Reviewed by: John Catione 03/18/2025
APPROVED
Manual integrations
Client Sample ID: M2A047A
Instrument:



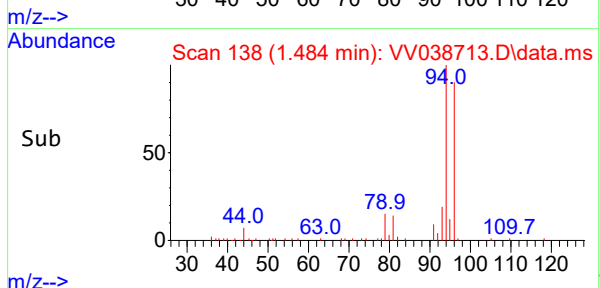
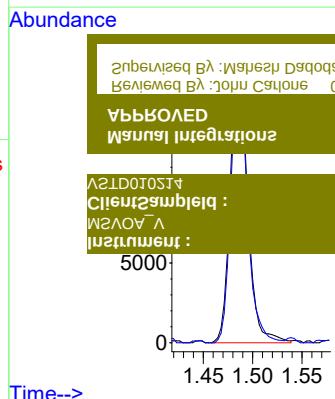
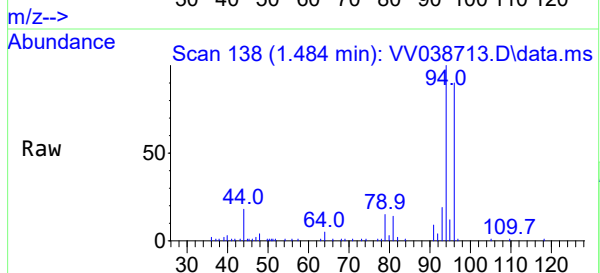
#5
 Vinyl chloride
 Concen: 12.23 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV038713.D
 Acq: 17 Mar 2025 12:55

Tgt Ion: 62 Resp: 42580
 Ion Ratio Lower Upper
 62 100
 64 56.7 22.8 42.4#



#6
 Bromomethane
 Concen: 10.32 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV038713.D
 Acq: 17 Mar 2025 12:55

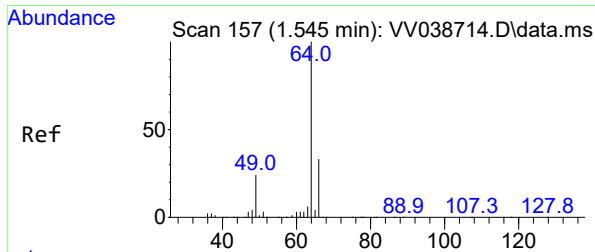
Tgt Ion: 94 Resp: 22250
 Ion Ratio Lower Upper
 94 100
 96 90.3 66.1 122.8



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

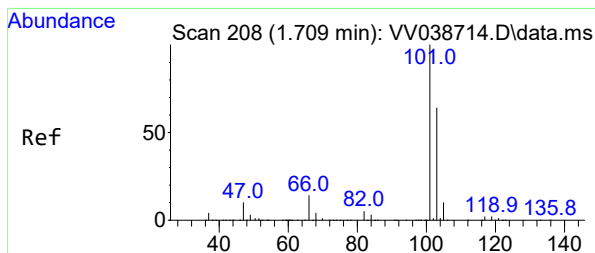
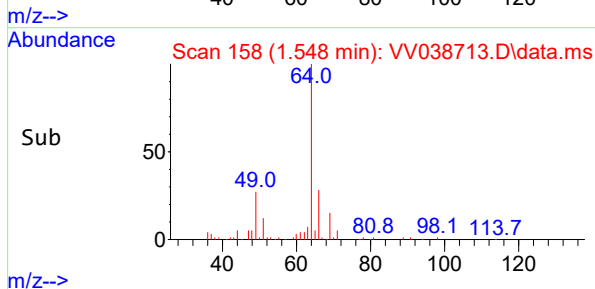
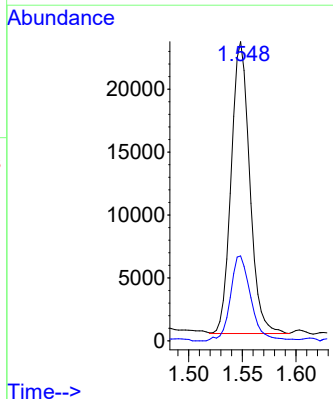
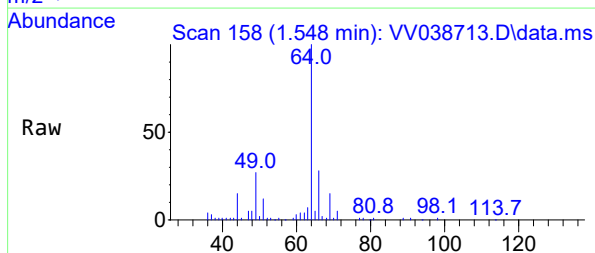
APPROVED
 Manual Integrations

Client Sample ID :
 MS/MS
 Instrument :



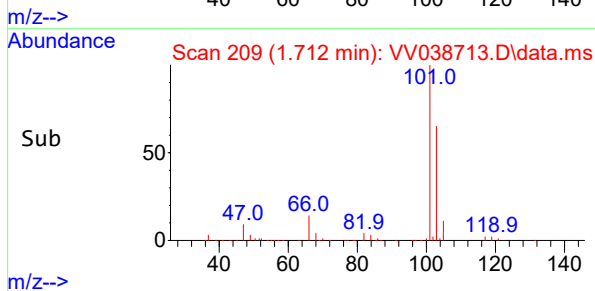
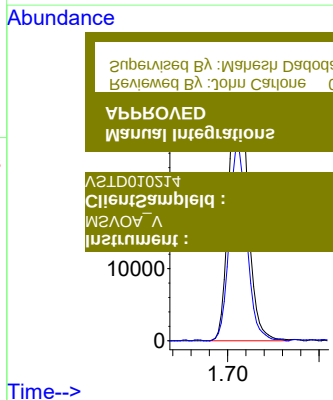
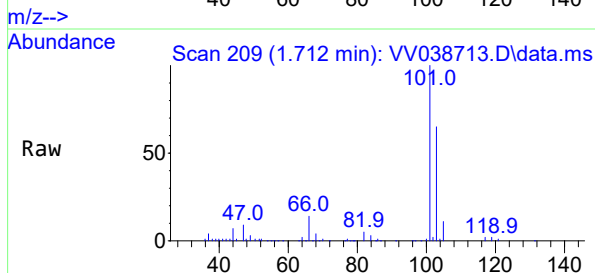
#8
Chloroethane
Concen: 12.64 ug/L
RT: 1.548 min Scan# 158
Delta R.T. 0.003 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion: 64 Resp: 27837
Ion Ratio Lower Upper
64 100
66 28.4 22.3 41.5



#9
Trichlorofluoromethane
Concen: 12.14 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.003 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

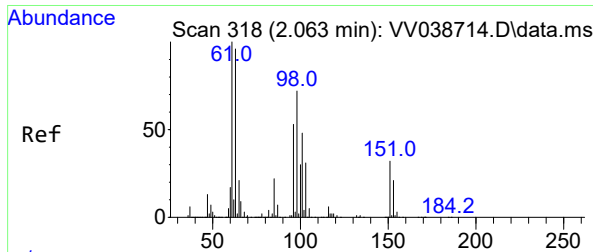
Tgt Ion:101 Resp: 55735
Ion Ratio Lower Upper
101 100
103 64.7 51.7 77.5



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

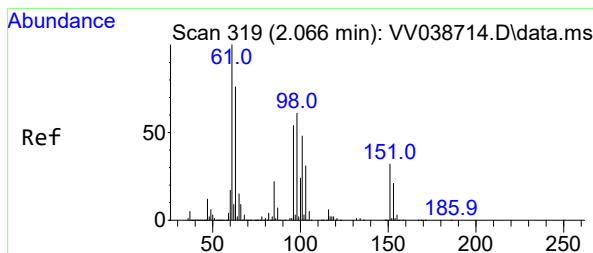
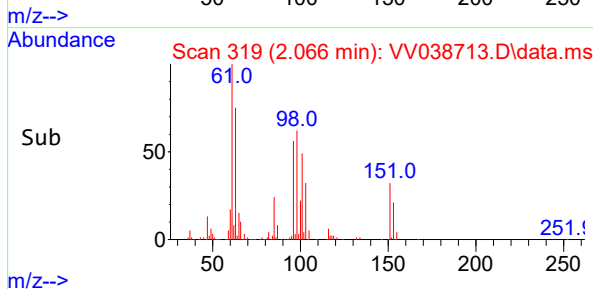
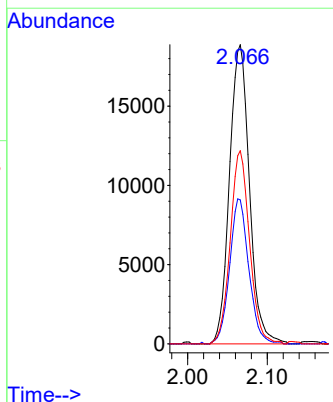
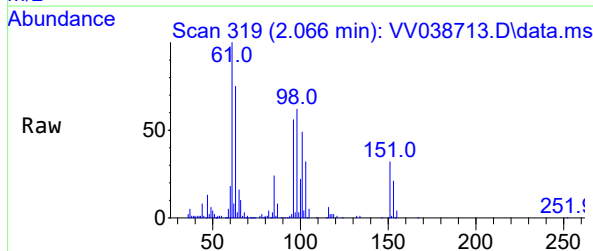
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Manual Integrations

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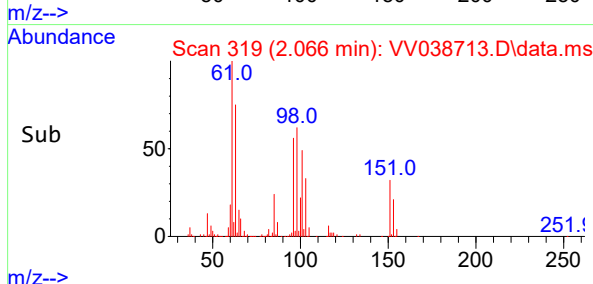
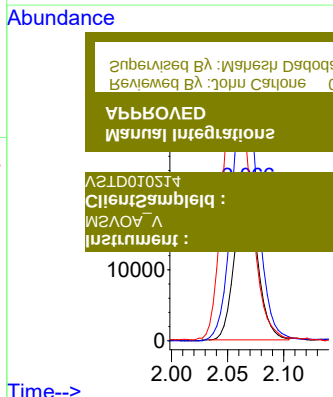
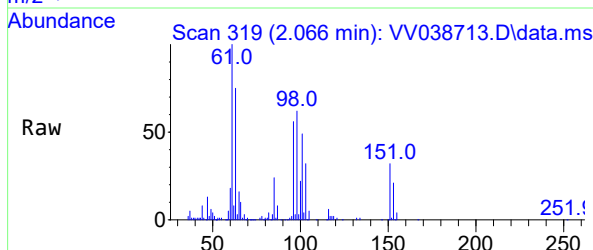
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 12.43 ug/L
RT: 2.066 min Scan# 319
Delta R.T. 0.003 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion:	101	Resp:	32842
Ion Ratio	Lower	Upper	
101	100		
85	46.4	34.7	52.1
151	62.3	55.3	82.9



#12
1,1-Dichloroethene
Concen: 12.09 ug/L
RT: 2.066 min Scan# 319
Delta R.T. 0.000 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

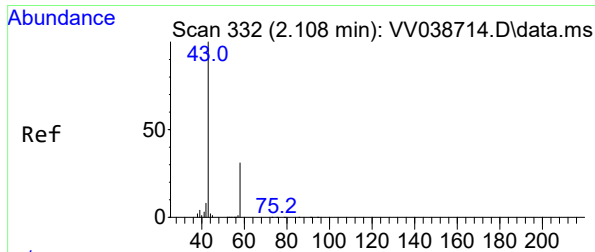
Tgt Ion:	96	Resp:	30445
Ion Ratio	Lower	Upper	
96	100		
61	178.0	120.9	224.5
63	132.9	110.9	205.9



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

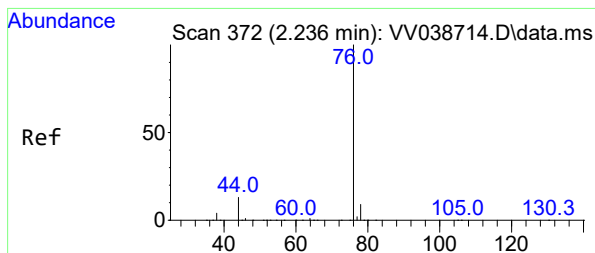
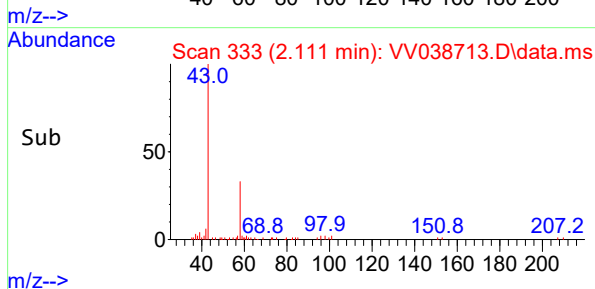
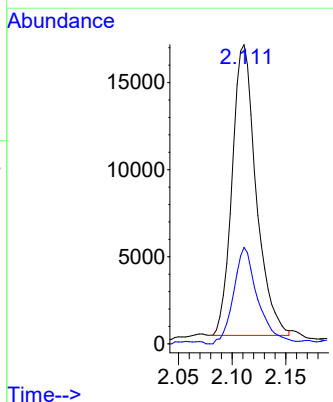
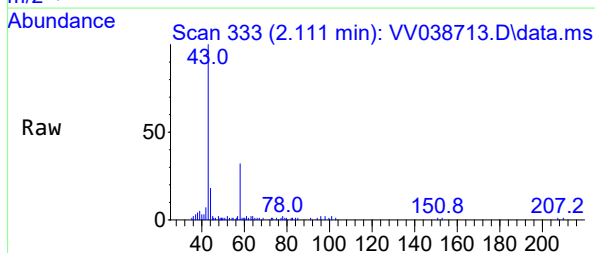
APPROVED
Manual Integrations

Client Sampled:
MS/MS
Instrument:



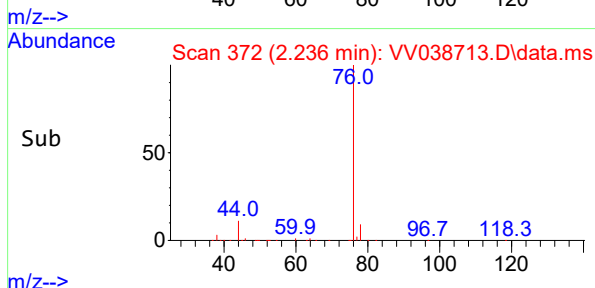
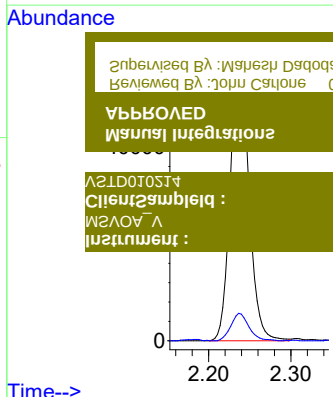
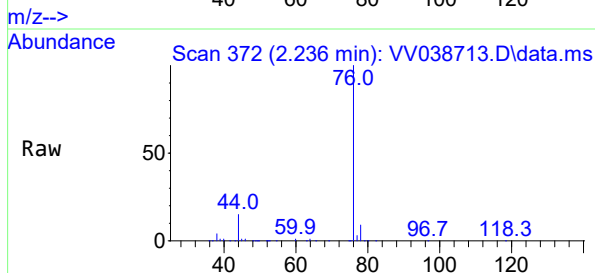
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Acetone
Concen: 13.20 ug/L
RT: 2.111 min Scan# 333
Delta R.T. 0.003 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion: 43 Resp: 25919
Ion Ratio Lower Upper
43 100
58 33.5 0.0 67.2



#14
Carbon disulfide
Concen: 11.39 ug/L
RT: 2.236 min Scan# 372
Delta R.T. 0.000 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

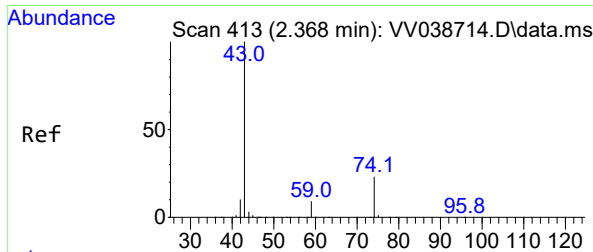
Tgt Ion: 76 Resp: 94330
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



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

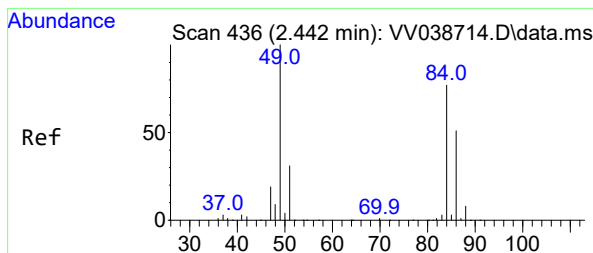
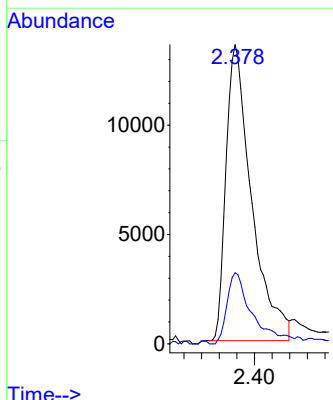
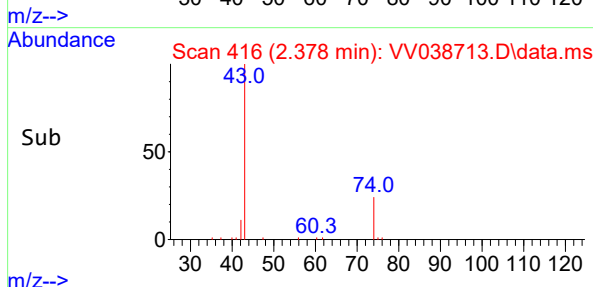
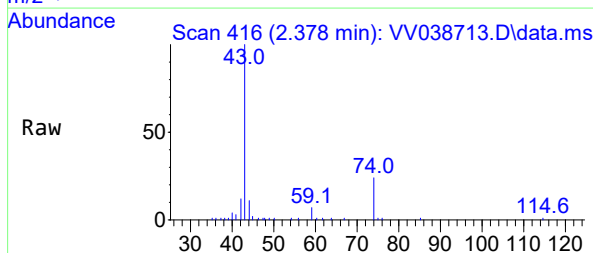
APPROVED
Manual Integrations

Client Sample ID :
MS/MS
Instrument :



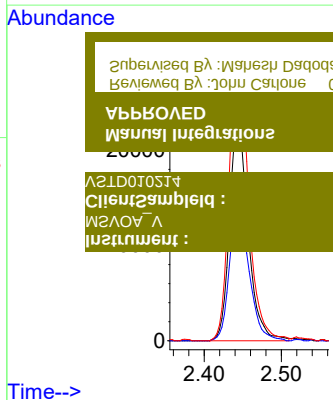
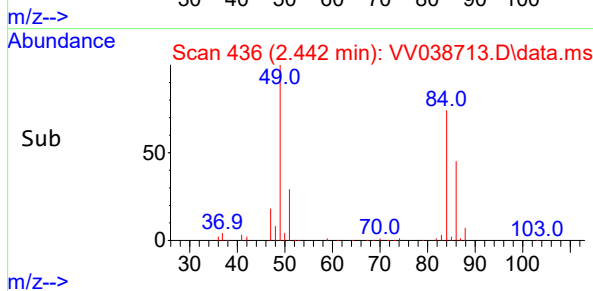
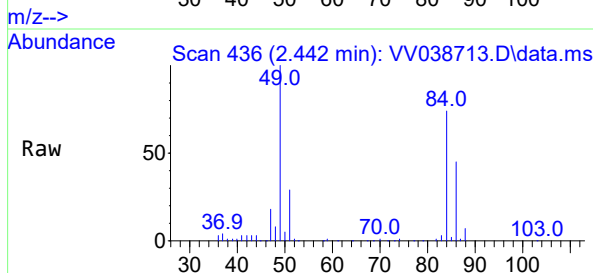
#15
Methyl Acetate
Concen: 10.72 ug/L
RT: 2.378 min Scan# 416
Delta R.T. 0.010 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion: 43 Resp: 27244
Ion Ratio Lower Upper
43 100
74 22.6 20.6 31.0



#16
Methylene chloride
Concen: 12.77 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.000 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

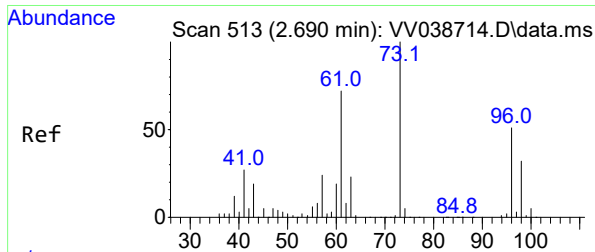
Tgt Ion: 84 Resp: 38801
Ion Ratio Lower Upper
84 100
86 60.9 44.5 82.7
49 135.7 81.7 151.7



Submitted by: Mawar Dargah 03/18/2025
Reviewed by: John C. Jones 03/18/2025

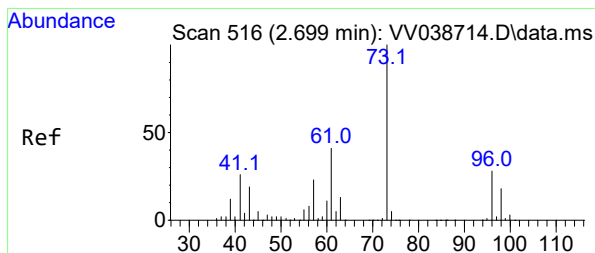
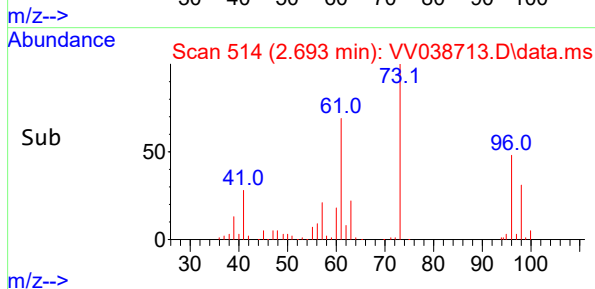
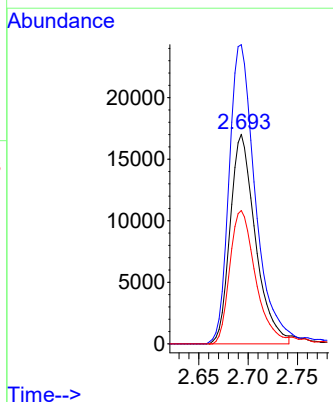
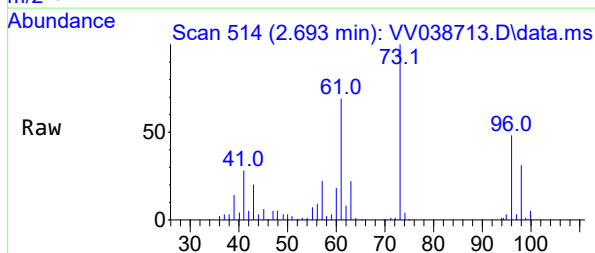
APPROVED
Manual Integrations

Client Sample ID:
MS/MS
Instrument:



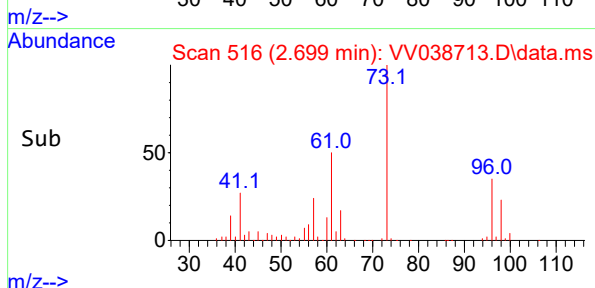
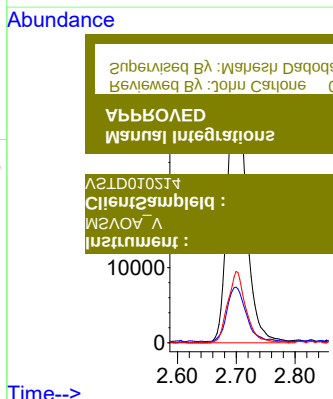
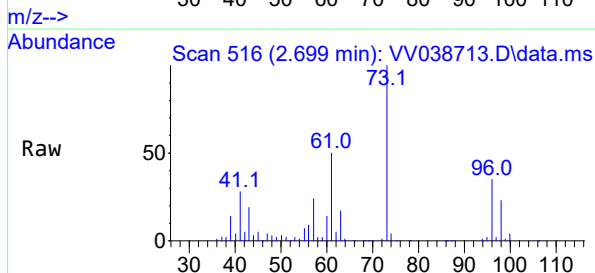
#17
trans-1,2-Dichloroethene
Concen: 11.04 ug/L
RT: 2.693 min Scan# 514
Delta R.T. 0.003 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion:	96	Resp:	30301
Ion	Ratio	Lower	Upper
96	100		
61	142.8	95.7	177.7
98	63.6	46.4	86.2



#18
Methyl tert-butyl Ether
Concen: 10.41 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

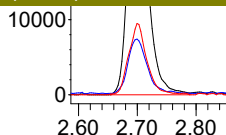
Tgt Ion:	73	Resp:	82513
Ion	Ratio	Lower	Upper
73	100		
43	19.5	14.7	22.1
57	24.5	17.7	26.5

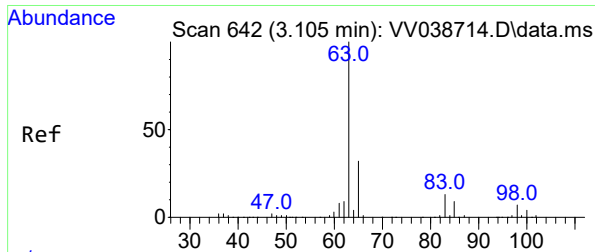


Submitted by: Magesh Dabodra 03/18/2025
Reviewed by: John Catione 03/18/2025

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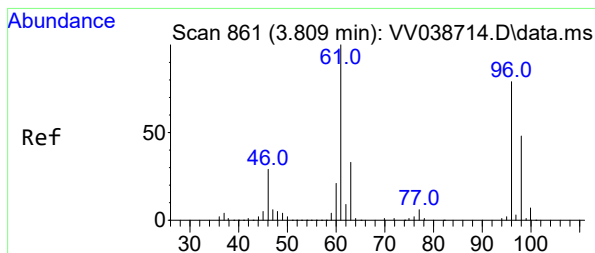
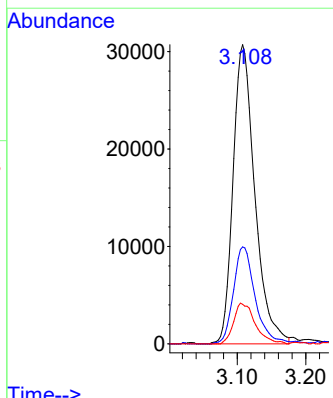
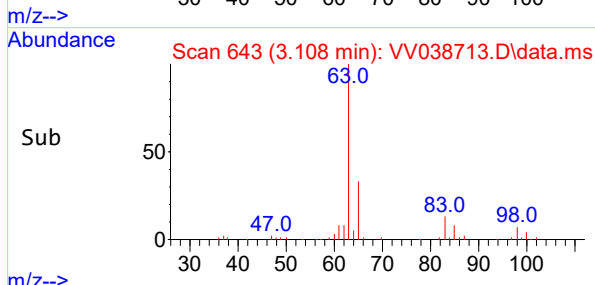
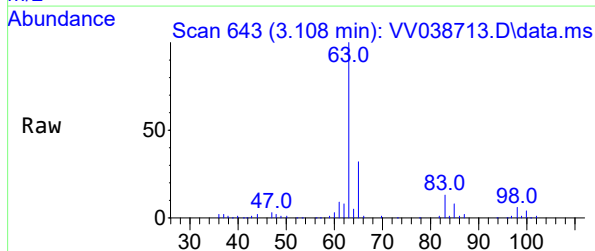
Client Sample ID :
MS/MS
Instrument :





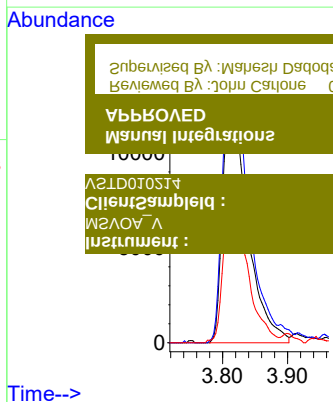
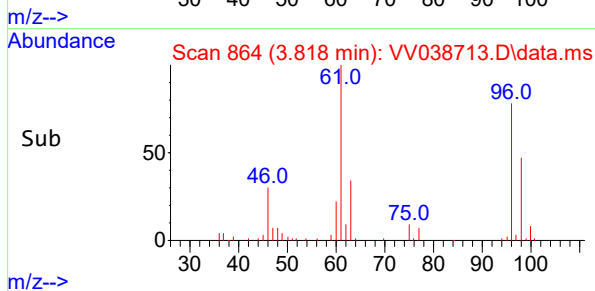
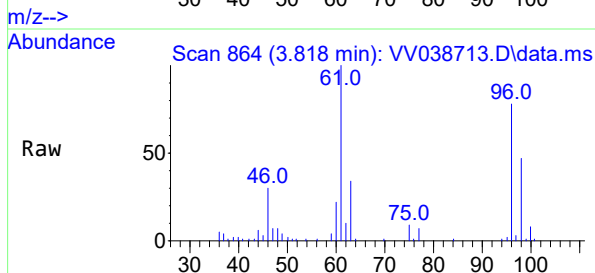
#19
1,1-Dichloroethane
Concen: 13.46 ug/L
RT: 3.108 min Scan# 643
Delta R.T. 0.003 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion:	63	Resp:	67754
Ion	Ratio	Lower	Upper
63	100		
65	32.4	22.6	42.0
83	13.2	9.8	18.2



#20
cis-1,2-Dichloroethene
Concen: 11.49 ug/L
RT: 3.818 min Scan# 864
Delta R.T. 0.010 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

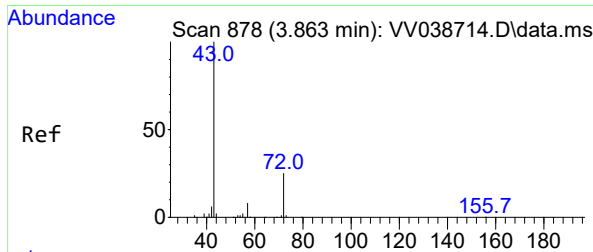
Tgt Ion:	96	Resp:	33171
Ion	Ratio	Lower	Upper
96	100		
61	128.4	83.5	155.1
98	60.7	44.6	82.8



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

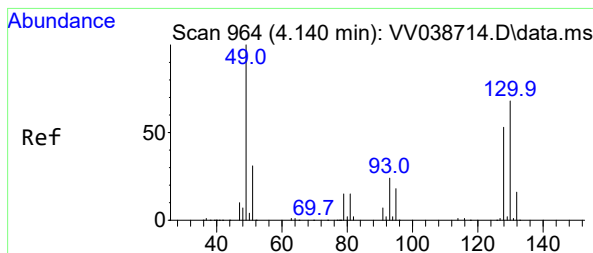
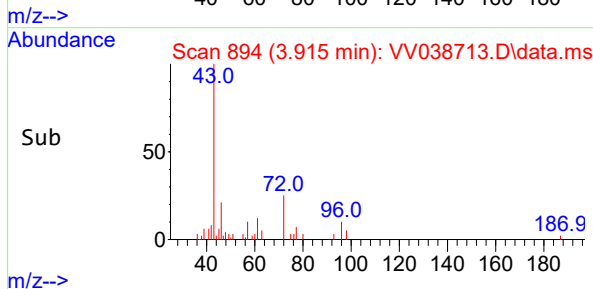
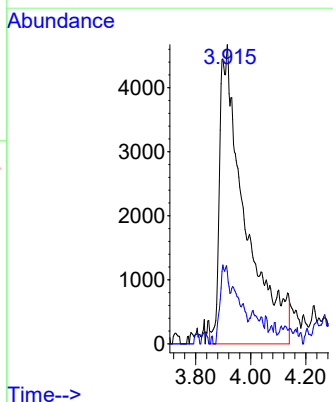
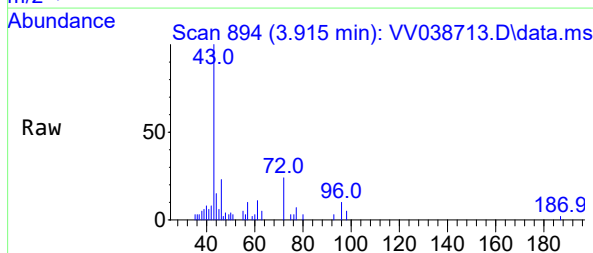
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Manual Integrations

Client Sample ID:
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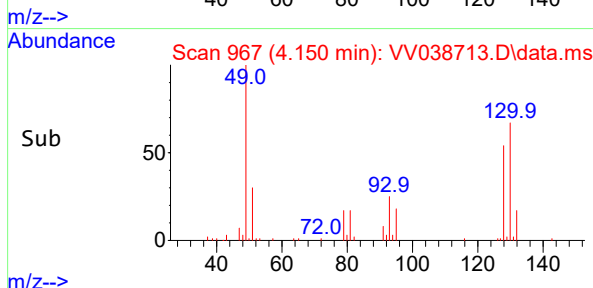
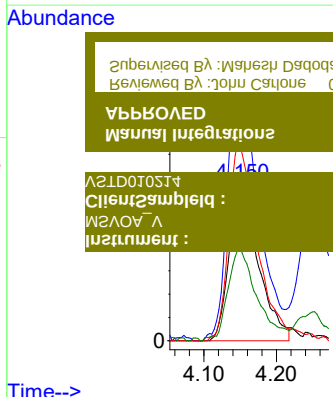
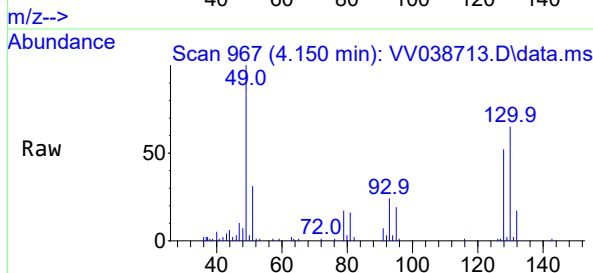
#22
2-Butanone
Concen: 15.92 ug/L m
RT: 3.915 min Scan# 894
Delta R.T. 0.052 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion: 43 Resp: 29709
Ion Ratio Lower Upper
43 100
72 0.2 12.5 37.5#



#23
Bromochloromethane
Concen: 11.96 ug/L
RT: 4.150 min Scan# 967
Delta R.T. 0.010 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

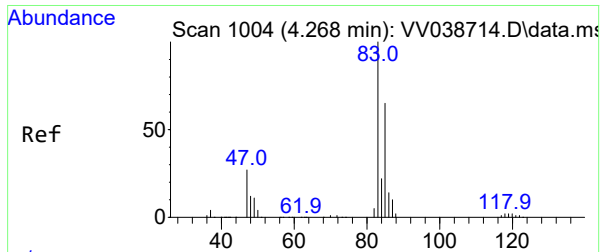
Tgt Ion:128 Resp: 18761
Ion Ratio Lower Upper
128 100
49 190.5 106.7 198.3
130 124.8 93.2 173.2
51 58.8 40.2 60.4



Supervised By : Manish Dabode 03/18/2025
Reviewed By : John Catione 03/18/2025

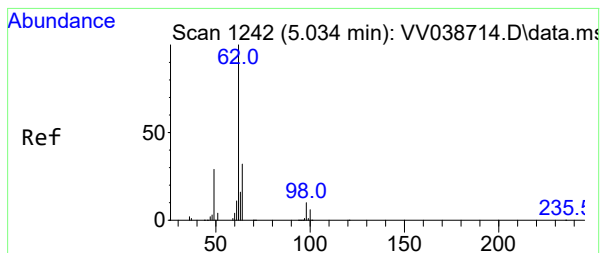
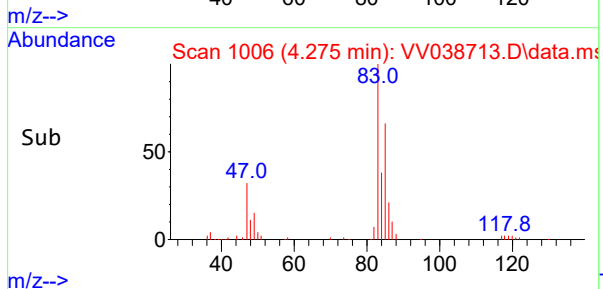
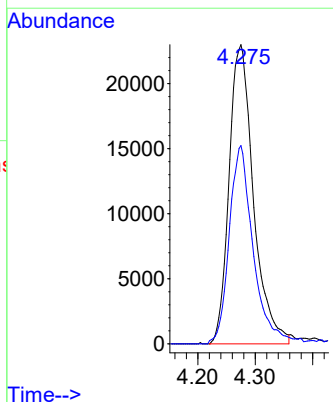
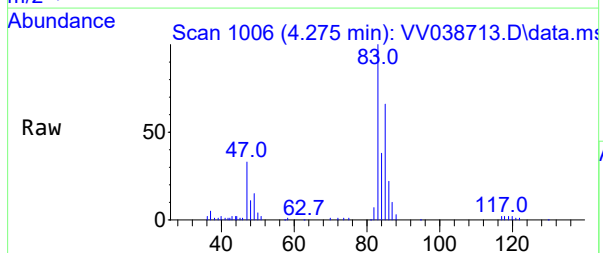
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Manual Integrations

Client Sampled :
MS/MS
Instrument :



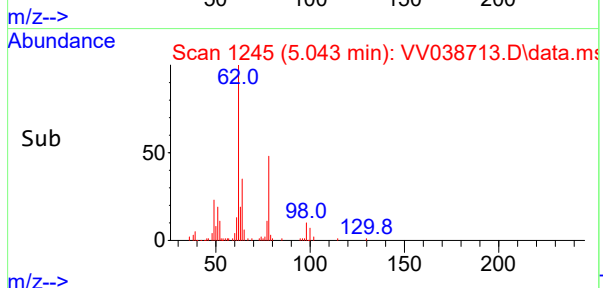
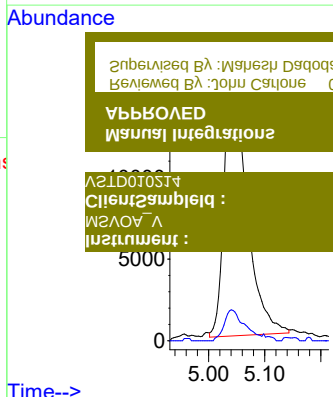
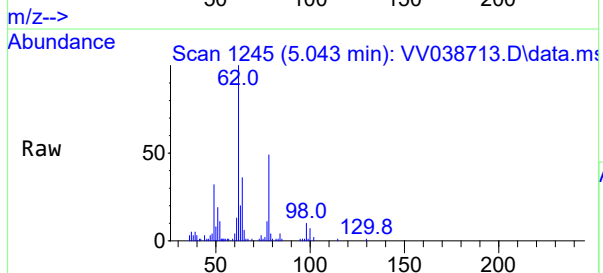
#25
Chloroform
Concen: 12.91 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. 0.006 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion: 83 Resp: 67833
Ion Ratio Lower Upper
83 100
85 66.3 45.2 84.0



#27
1,2-Dichloroethane
Concen: 12.36 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. 0.010 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

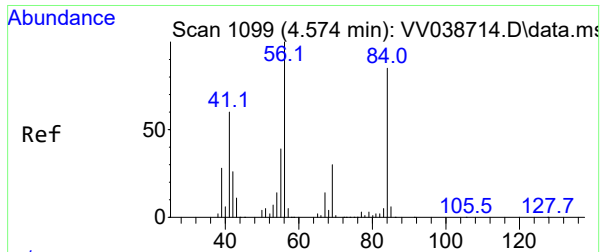
Tgt Ion: 62 Resp: 47383
Ion Ratio Lower Upper
62 100
98 10.1 7.5 11.3



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

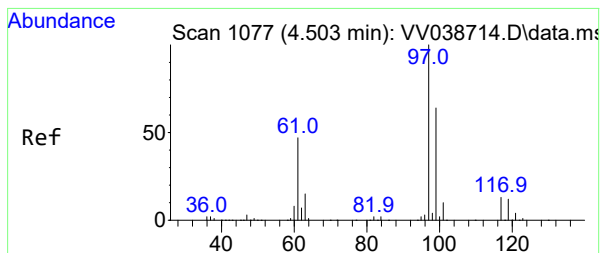
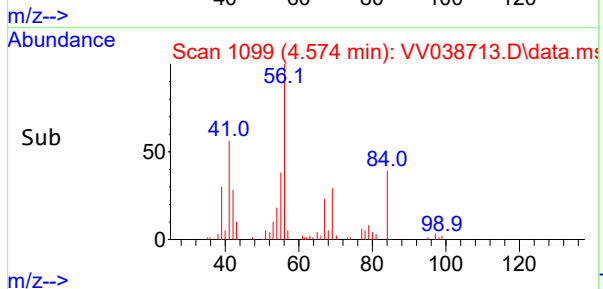
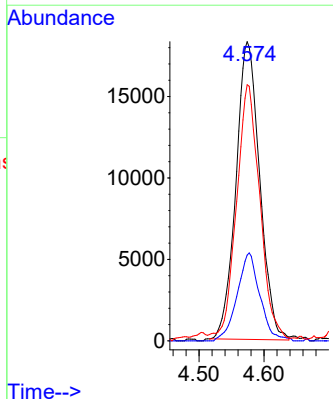
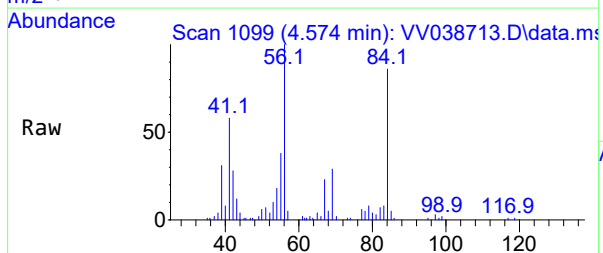
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Manual Integrations

Client Sample ID:
INSTRUMENT:



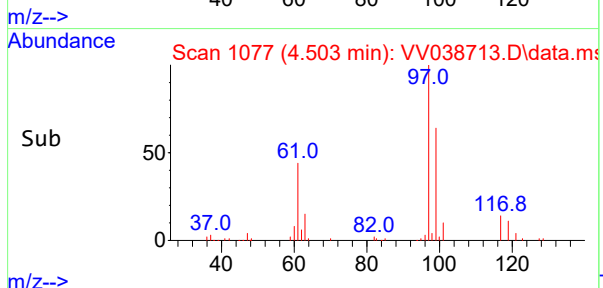
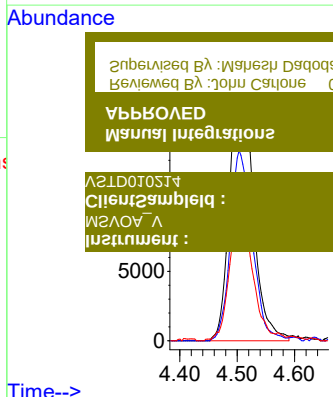
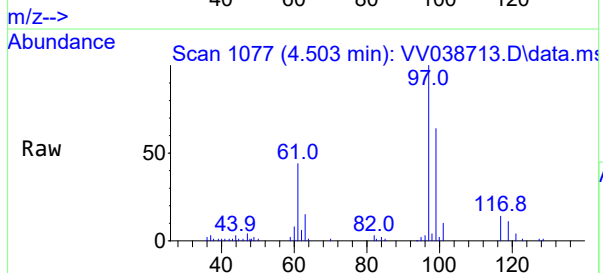
#29
Cyclohexane
Concen: 11.01 ug/L
RT: 4.574 min Scan# 1099
Delta R.T. 0.000 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion:	56	Resp:	46513
Ion	Ratio	Lower	Upper
56	100		
69	28.3	24.8	37.2
84	82.7	73.7	110.5



#30
1,1,1-Trichloroethane
Concen: 11.29 ug/L
RT: 4.503 min Scan# 1077
Delta R.T. 0.000 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

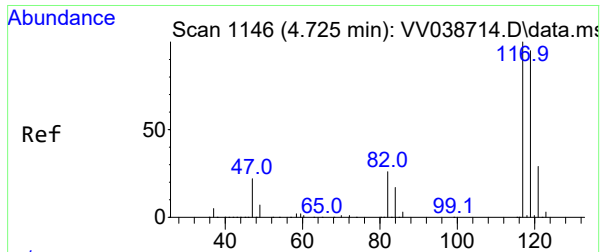
Tgt Ion:	97	Resp:	56116
Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.3	78.5
61	47.2	33.6	50.4



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

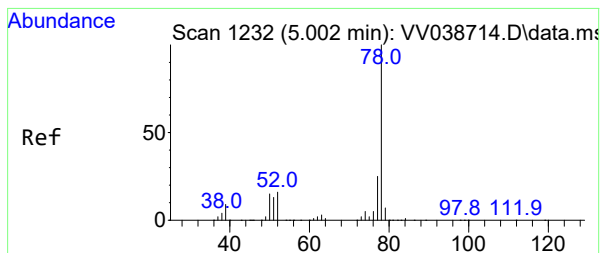
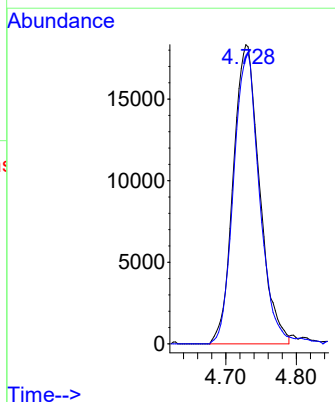
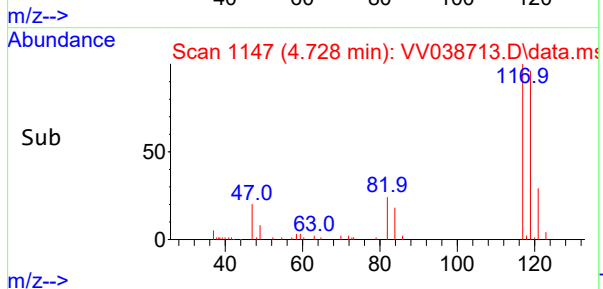
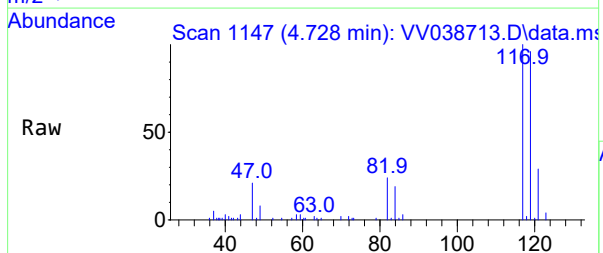
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Manual Integrations

Client Sample ID :
MS/MS
Instrument :



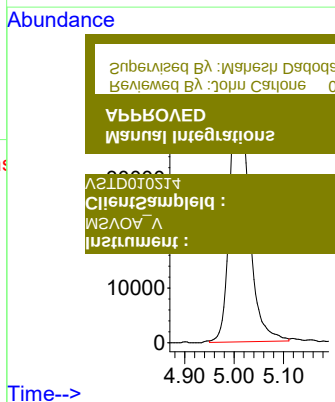
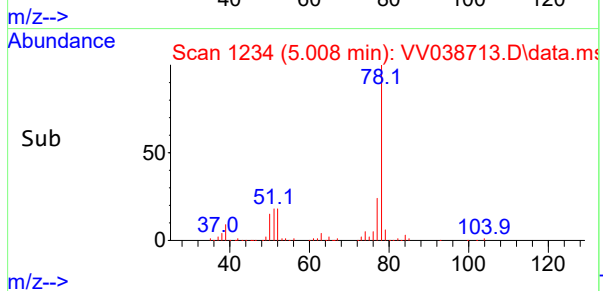
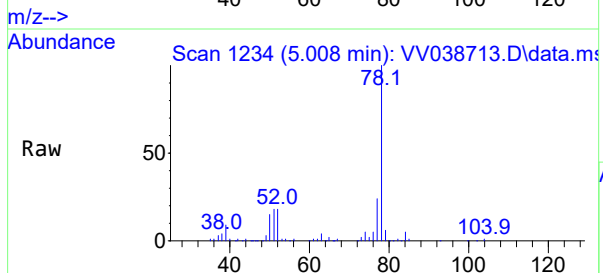
#31
Carbon tetrachloride
Concen: 10.87 ug/L
RT: 4.728 min Scan# 1147
Delta R.T. 0.003 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion: 117 Resp: 47497
Ion Ratio Lower Upper
117 100
119 95.1 77.7 116.5

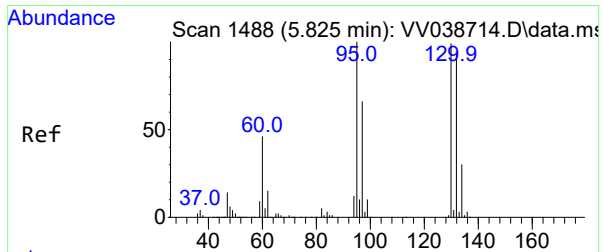


#33
Benzene
Concen: 11.25 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.007 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion: 78 Resp: 133598



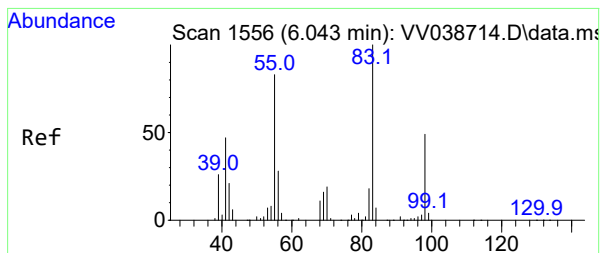
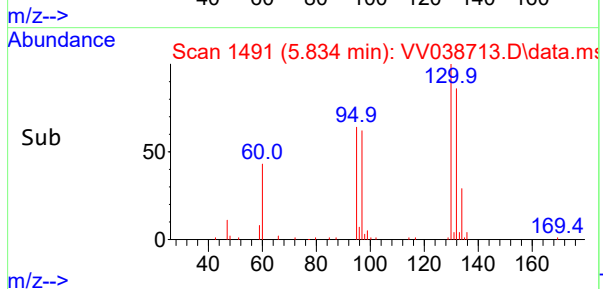
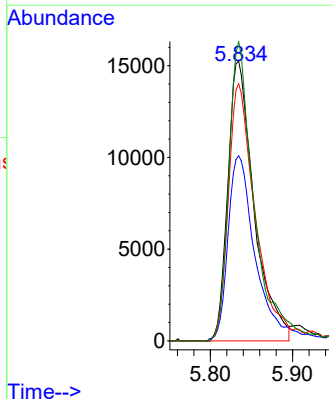
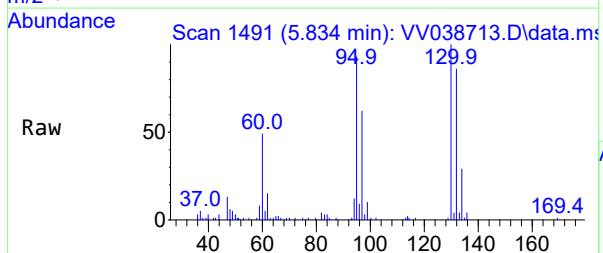
Submitted by: Magesh Dabodu 03/11/2025
Reviewed by: John Carlowe 03/11/2025
APPROVED
Manual integrations
Client Sample ID: 000000
Instrument: MS/MS



#34
Trichloroethene
Concen: 10.63 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. 0.010 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion: 95 Resp: 33704

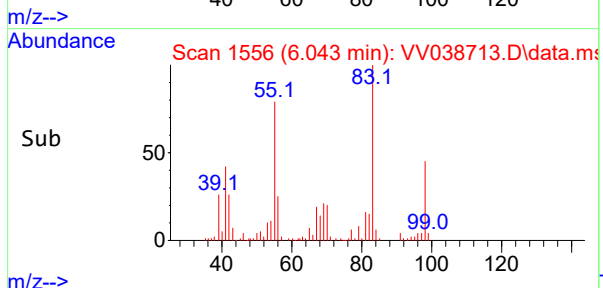
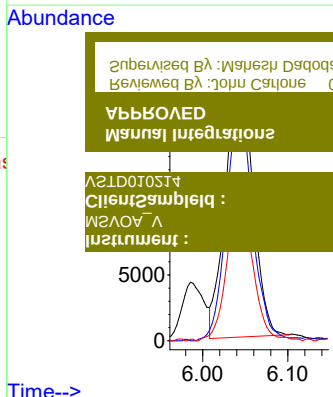
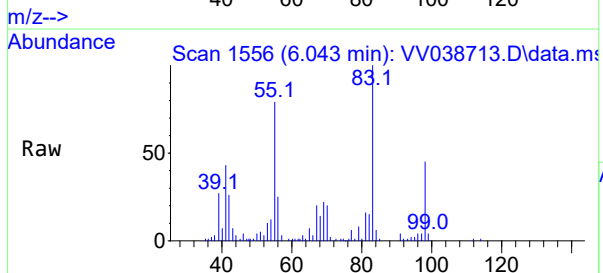
Ion	Ratio	Lower	Upper
95	100		
97	66.2	45.6	84.8
132	92.0	67.6	125.6
130	107.0	70.8	131.6



#35
Methylcyclohexane
Concen: 10.12 ug/L
RT: 6.043 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion: 83 Resp: 46107

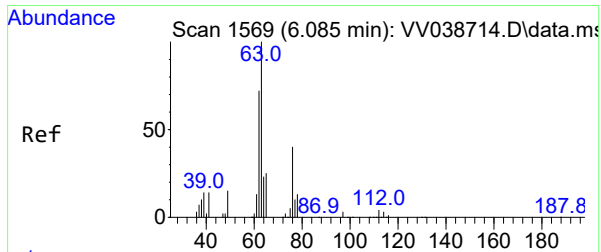
Ion	Ratio	Lower	Upper
83	100		
55	83.2	59.0	88.6
98	48.5	39.5	59.3



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

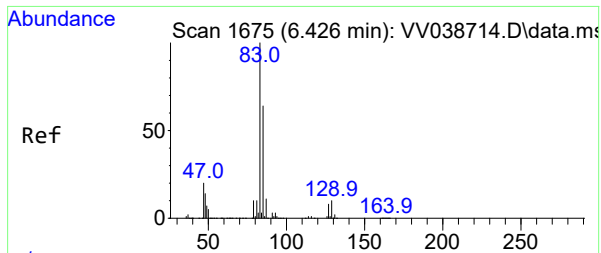
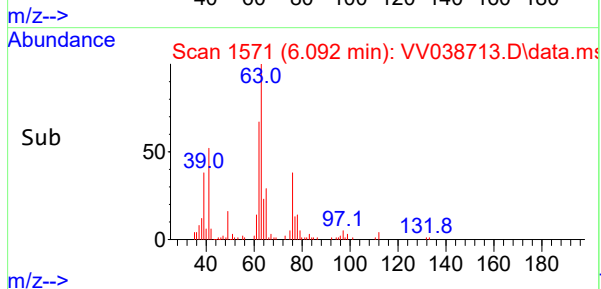
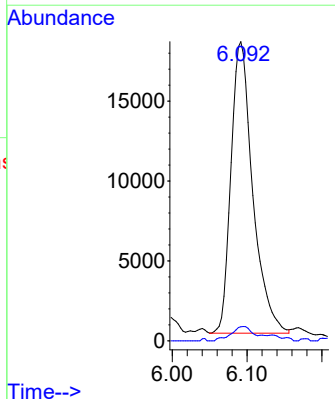
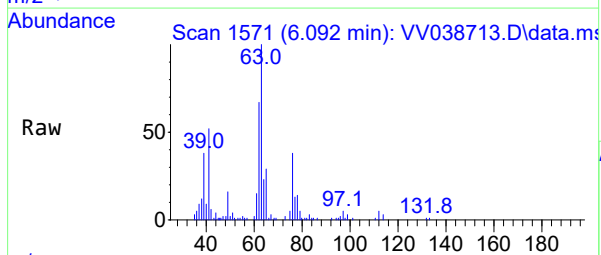
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Manual Integrations

Client Sample ID :
MS/MS
Instrument :



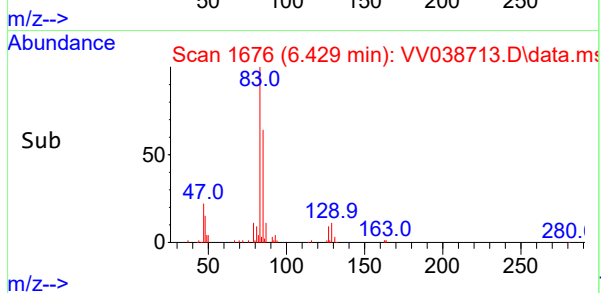
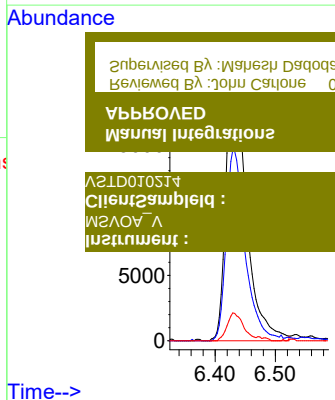
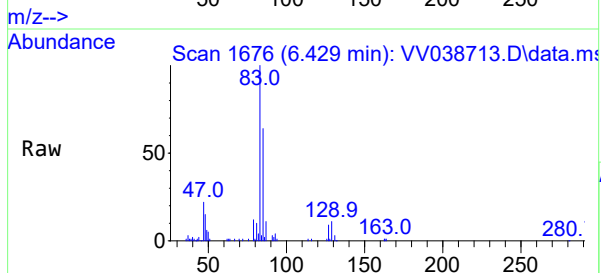
#37
1,2-Dichloropropane
Concen: 11.95 ug/L
RT: 6.092 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion: 63 Resp: 36895
Ion Ratio Lower Upper
63 100
112 3.2 3.8 5.6#



#38
Bromodichloromethane
Concen: 11.78 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.003 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

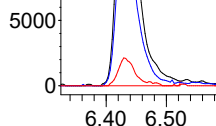
Tgt Ion: 83 Resp: 50452
Ion Ratio Lower Upper
83 100
85 63.7 44.9 83.5
127 10.2 6.8 10.2

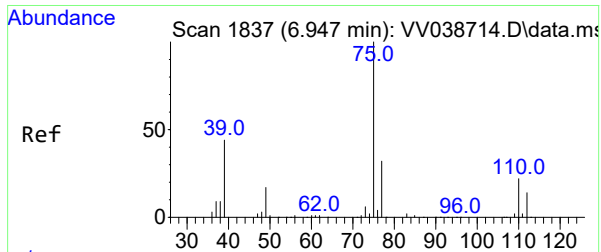


Submitted by: Magesh Dargoda 03/18/2025
Reviewed by: John Carroll 03/18/2025

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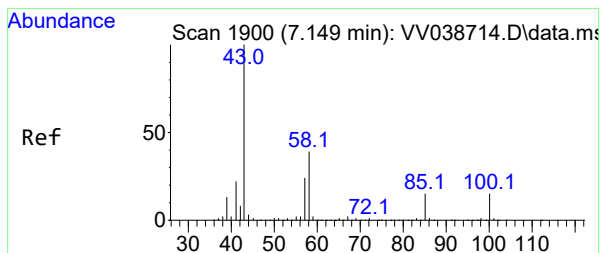
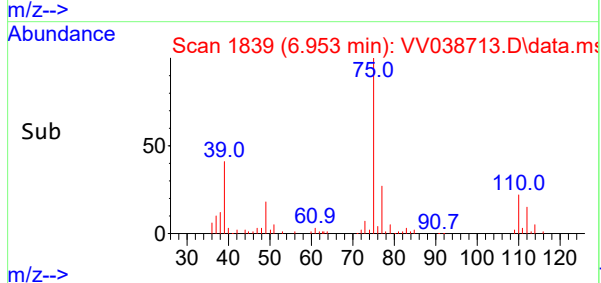
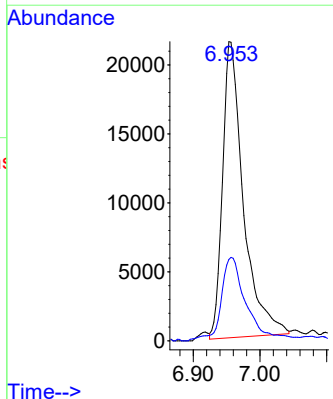
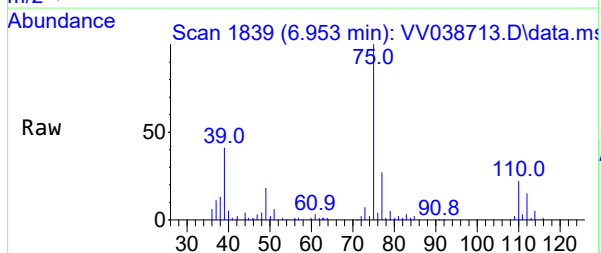
Client Sample ID :
MS/MS
Instrument :





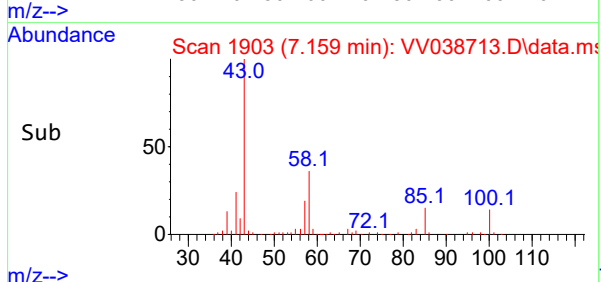
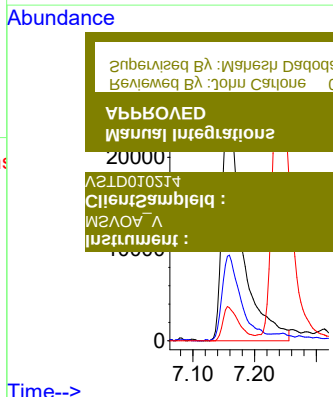
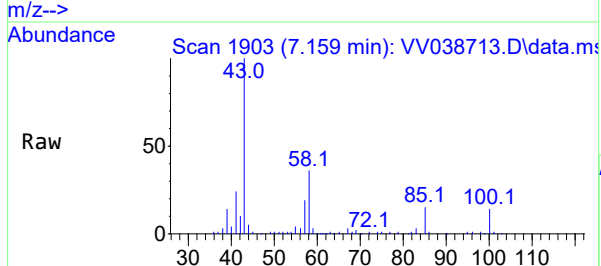
#39
 cis-1,3-Dichloropropene
 Concen: 9.71 ug/L
 RT: 6.953 min Scan# 1839
 Delta R.T. 0.006 min
 Lab File: VV038713.D
 Acq: 17 Mar 2025 12:55

Tgt Ion: 75 Resp: 46530
 Ion Ratio Lower Upper
 75 100
 77 27.2 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 16.85 ug/L
 RT: 7.159 min Scan# 1903
 Delta R.T. 0.010 min
 Lab File: VV038713.D
 Acq: 17 Mar 2025 12:55

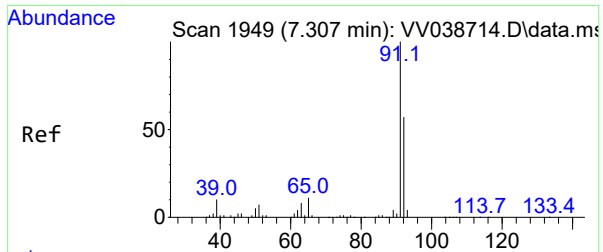
Tgt Ion: 43 Resp: 58225
 Ion Ratio Lower Upper
 43 100
 58 34.7 32.7 49.1
 100 11.9 13.7 20.5#



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

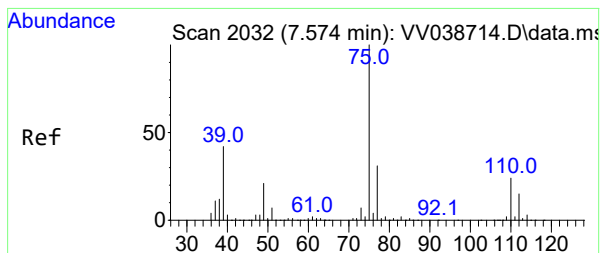
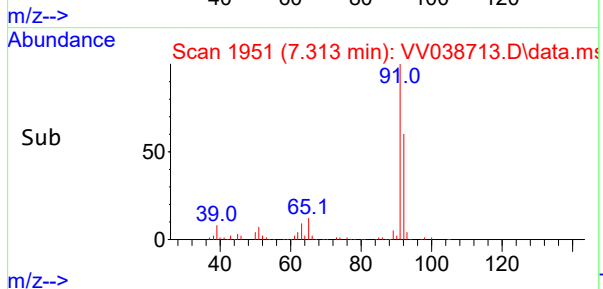
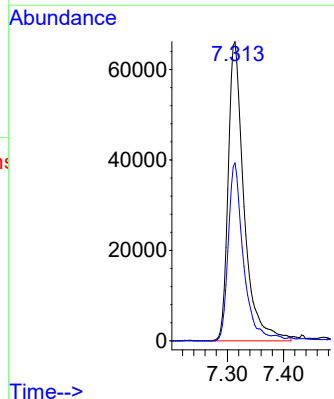
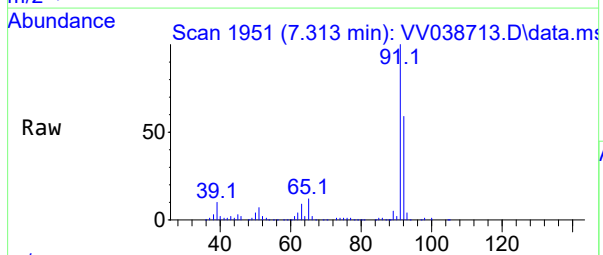
APPROVED
 Manual integrations

20000
 10000
 0
 7.10 7.20



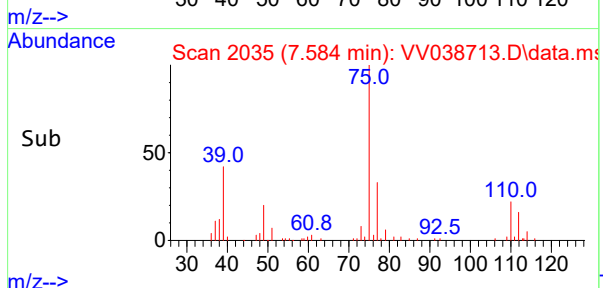
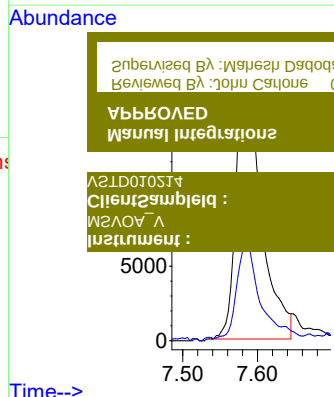
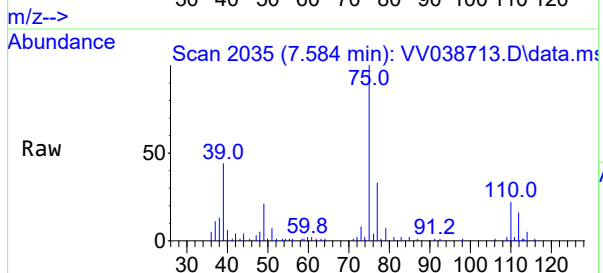
#42
Toluene
Concen: 10.51 ug/L
RT: 7.313 min Scan# 1951
Delta R.T. 0.007 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion: 91 Resp: 129578
Ion Ratio Lower Upper
91 100
92 59.5 41.2 76.4



#44
trans-1,3-Dichloropropene
Concen: 9.38 ug/L
RT: 7.584 min Scan# 2035
Delta R.T. 0.010 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

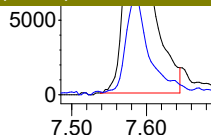
Tgt Ion: 75 Resp: 43383
Ion Ratio Lower Upper
75 100
77 33.5 22.7 42.1

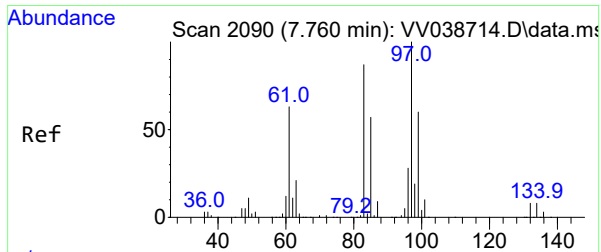


Submitted by: Magesh Dabodu 03/18/2025
Reviewed by: John Carlowe 03/18/2025

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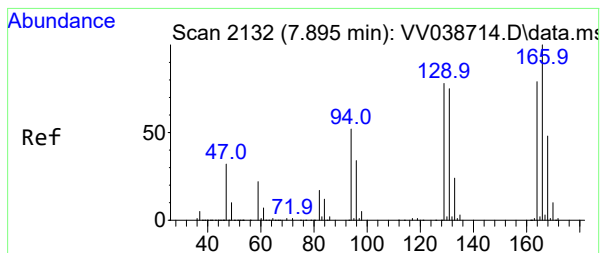
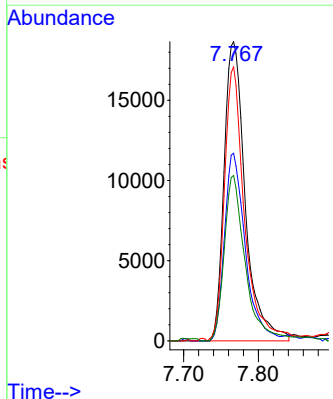
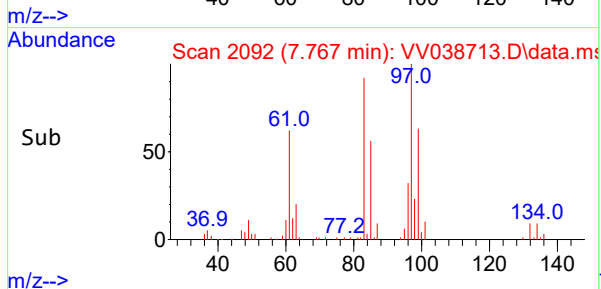
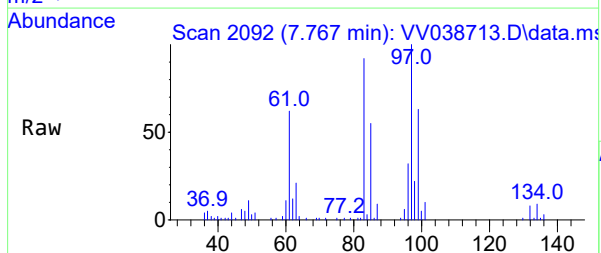
Client Sample ID :
MS/MS
Instrument :





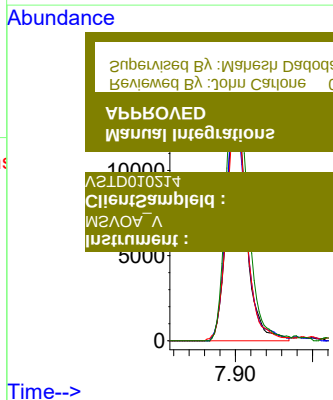
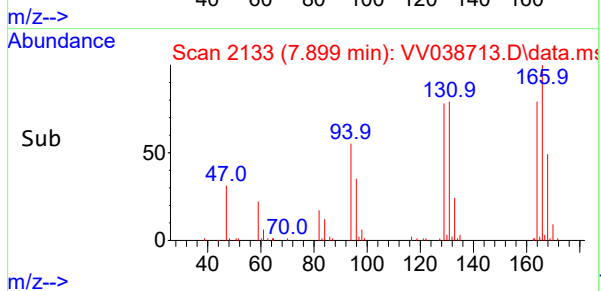
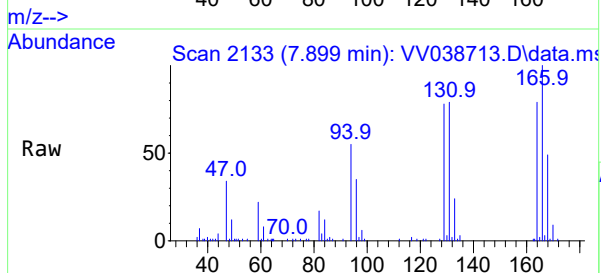
#45
1,1,2-Trichloroethane
Concen: 11.47 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.006 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion:	97	Resp:	36728
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.6	81.0
83	91.6	60.5	112.5
85	55.3	38.0	70.6



#46
Tetrachloroethene
Concen: 10.11 ug/L
RT: 7.899 min Scan# 2133
Delta R.T. 0.003 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

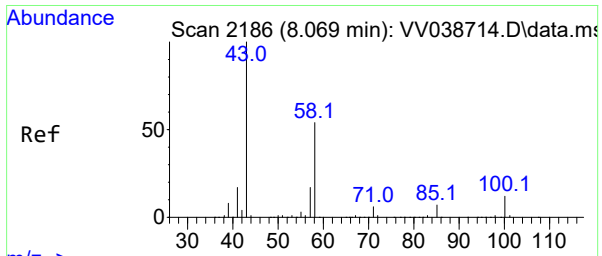
Tgt Ion:	164	Resp:	24743
Ion	Ratio	Lower	Upper
164	100		
129	99.5	69.2	128.4
131	100.1	63.1	117.3
166	127.1	89.7	166.5



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

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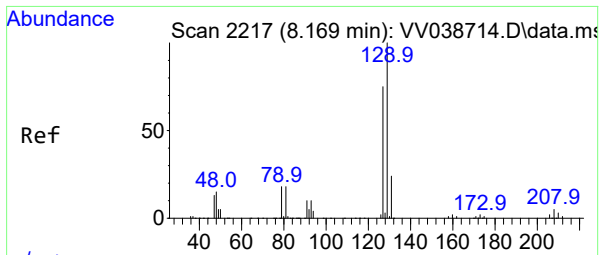
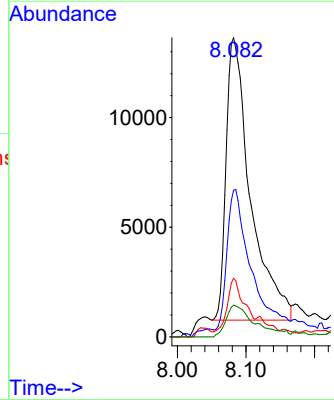
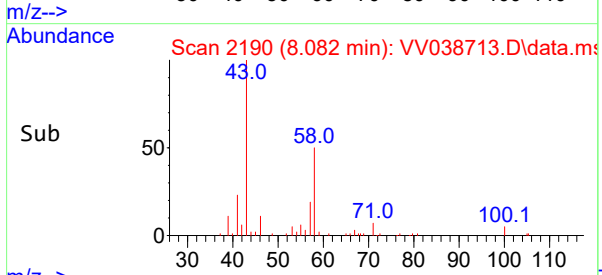
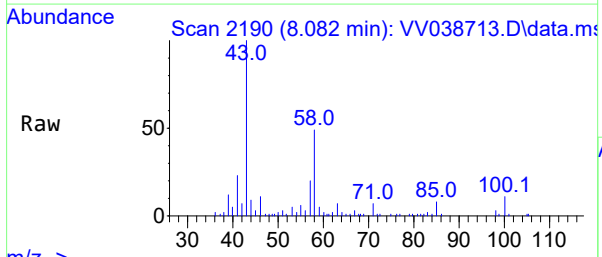
Client Sample ID:
MS/MS
Instrument:



#48
2-Hexanone
Concen: 10.99 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.013 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion: 43 Resp: 31692

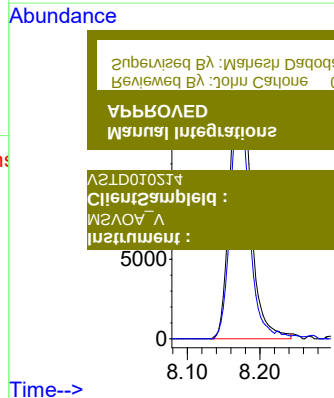
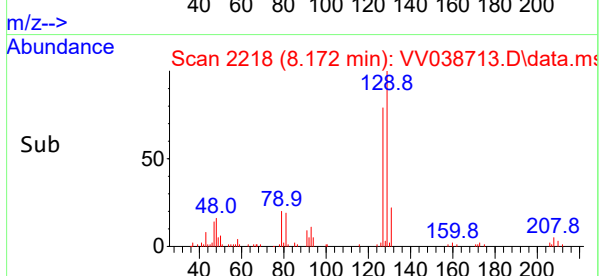
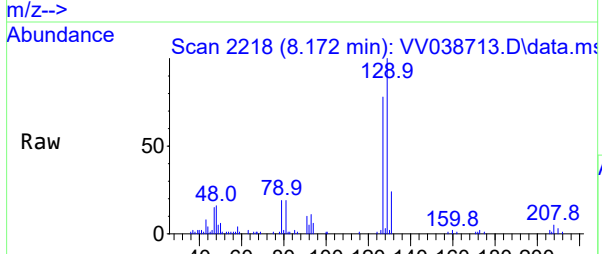
Ion	Ratio	Lower	Upper
43	100		
58	48.4	48.0	72.0
57	14.8	15.5	23.3#
100	10.0	11.0	16.4#



#49
Dibromochloromethane
Concen: 10.67 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.003 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion: 129 Resp: 35250

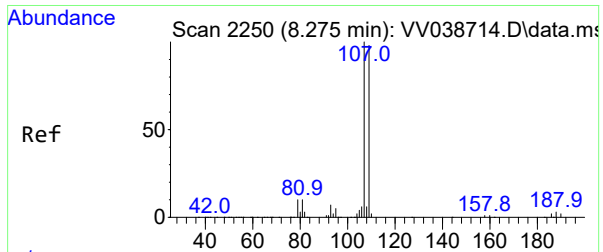
Ion	Ratio	Lower	Upper
129	100		
127	77.5	53.8	100.0



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

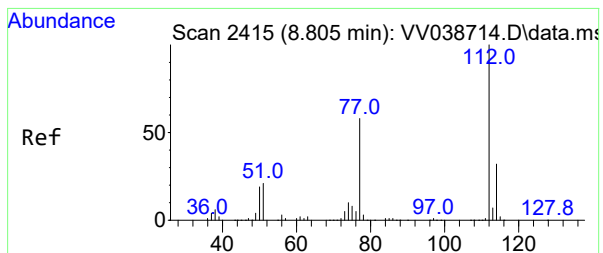
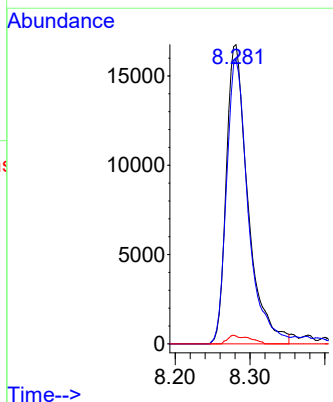
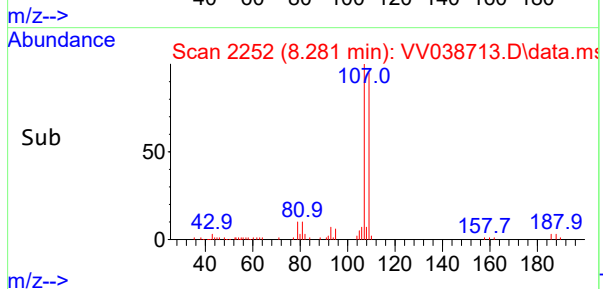
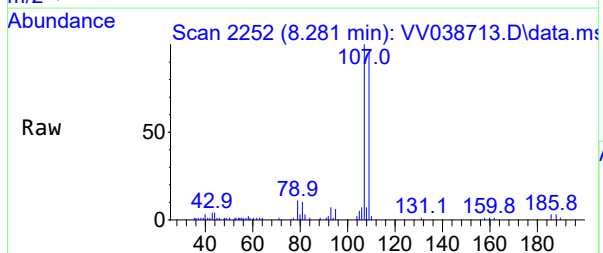
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Manual Integrations

Client Sample ID:
MS/MS
Instrument:



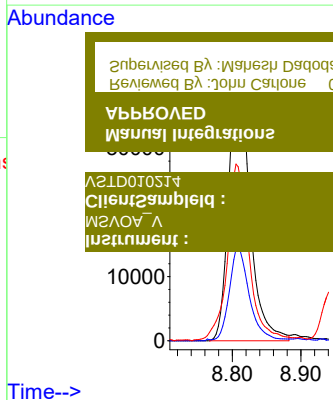
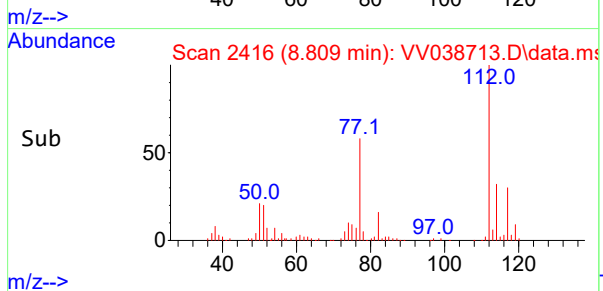
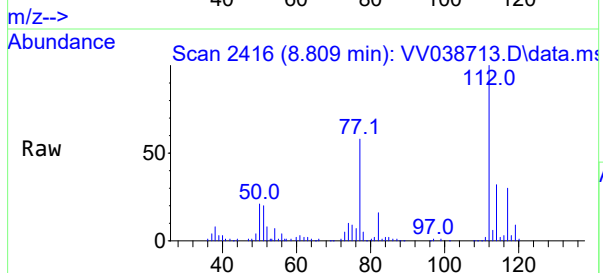
#50
1,2-Dibromoethane
Concen: 9.99 ug/L
RT: 8.281 min Scan# 2252
Delta R.T. 0.006 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion:107 Resp: 33721
Ion Ratio Lower Upper
107 100
109 95.0 66.1 122.7
188 2.6 2.6 3.8



#51
Chlorobenzene
Concen: 10.99 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. 0.003 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

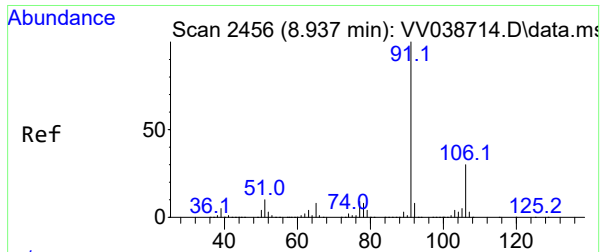
Tgt Ion:112 Resp: 93114
Ion Ratio Lower Upper
112 100
114 31.5 21.9 40.7
77 58.1 45.4 68.0



Subscribed By: Manish Dabode 03/18/2025
Reviewed By: John C. Jones 03/18/2025

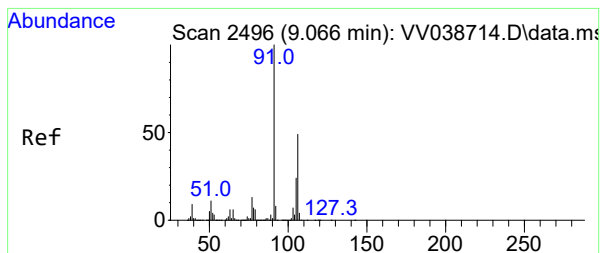
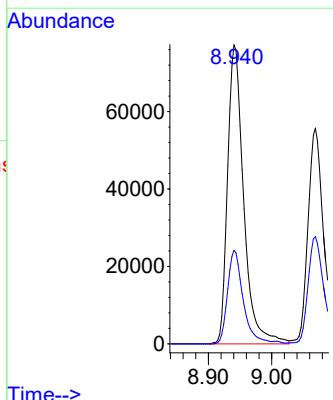
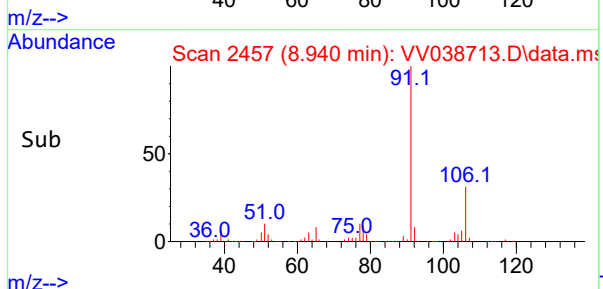
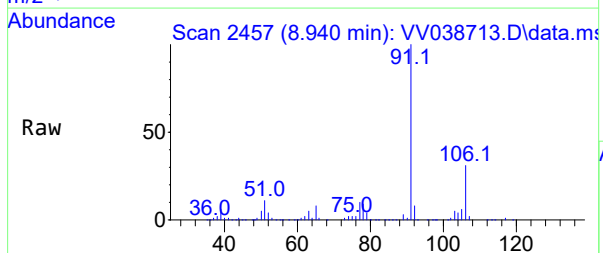
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Manual Integrations

Client Sample ID:
Instrument:



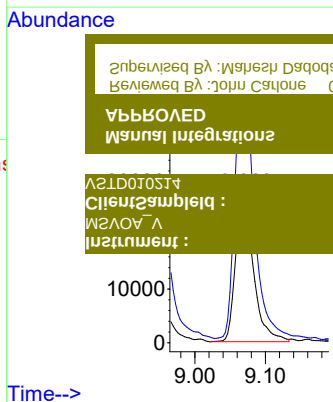
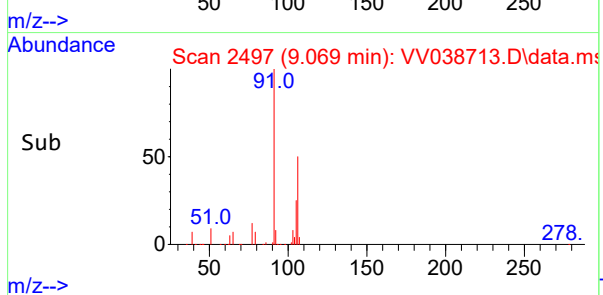
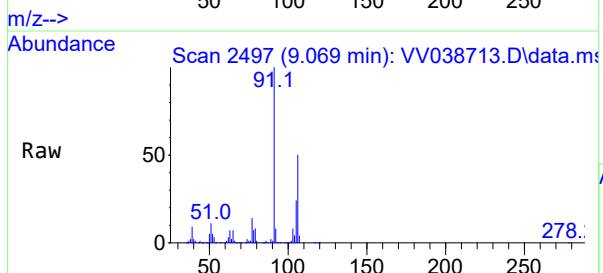
#52
Ethylbenzene
Concen: 10.30 ug/L
RT: 8.940 min Scan# 2457
Delta R.T. 0.003 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion: 91 Resp: 136292
Ion Ratio Lower Upper
91 100
106 31.3 21.6 40.0



#53
m,p-Xylene
Concen: 9.66 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. 0.003 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

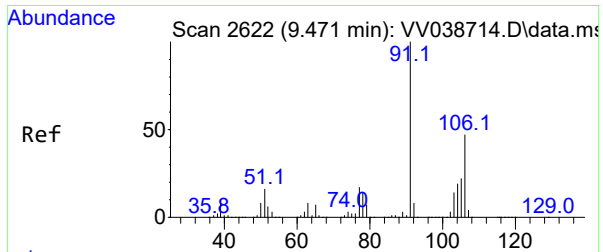
Tgt Ion:106 Resp: 48452
Ion Ratio Lower Upper
106 100
91 201.0 142.6 264.8



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

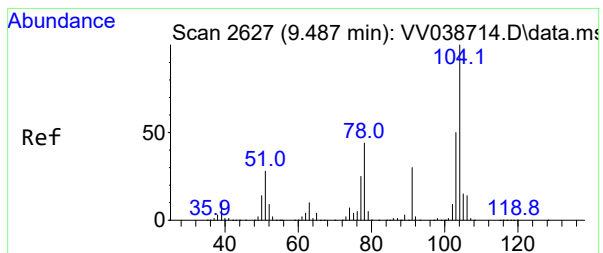
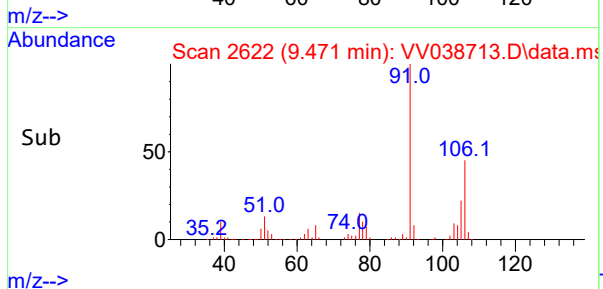
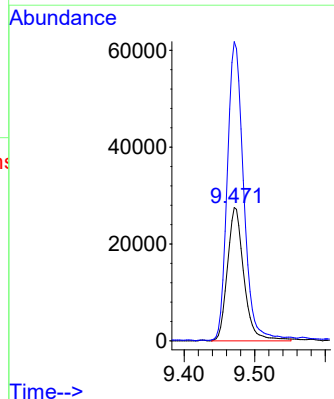
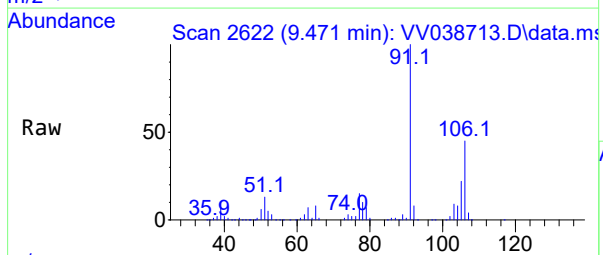
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Client Sampled :
MS/MS
Instrument :



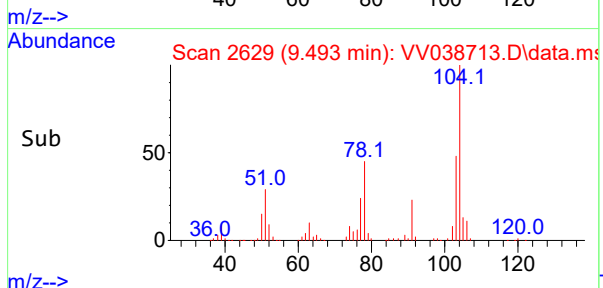
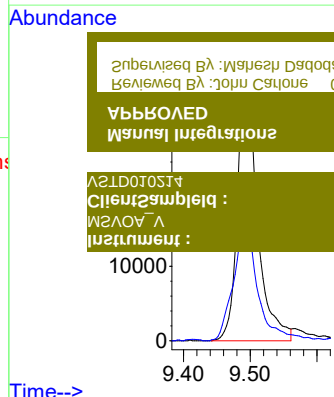
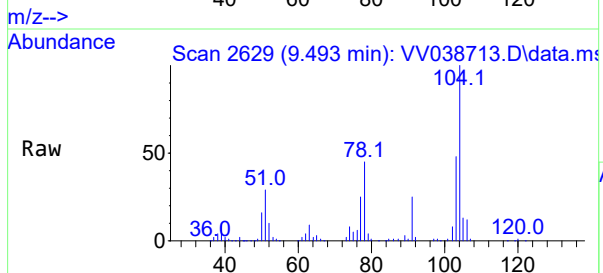
#54
o-Xylene
Concen: 9.28 ug/L
RT: 9.471 min Scan# 2622
Delta R.T. 0.000 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion:106 Resp: 44774
Ion Ratio Lower Upper
106 100
91 224.4 151.1 280.7



#55
Styrene
Concen: 9.09 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.007 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

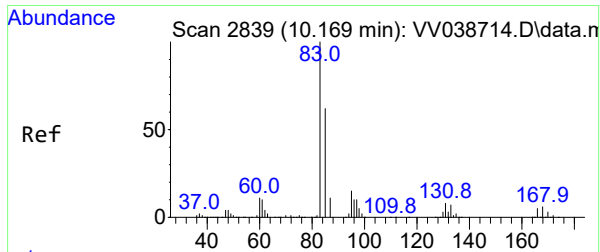
Tgt Ion:104 Resp: 77004
Ion Ratio Lower Upper
104 100
78 44.6 29.7 55.1



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

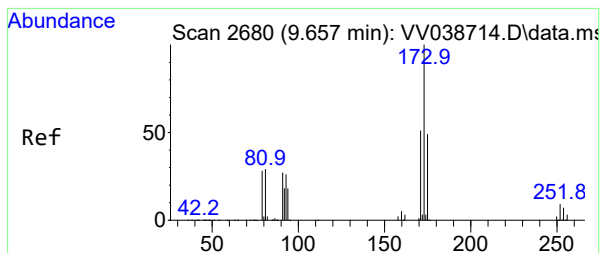
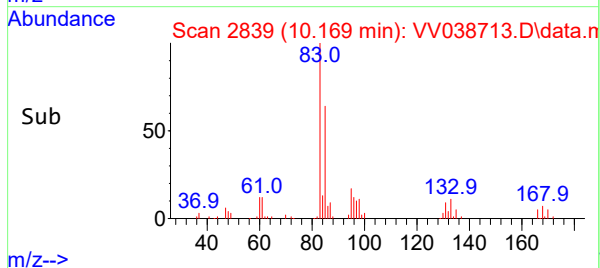
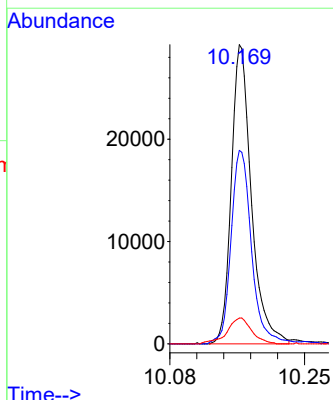
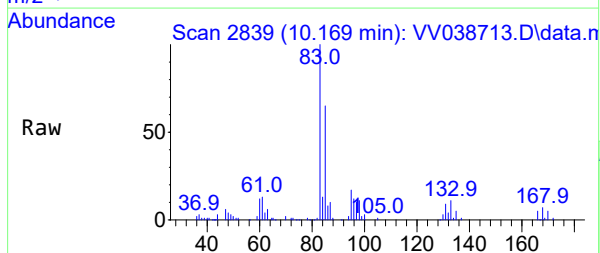
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Client Sample ID :
MS/MS
Instrument :



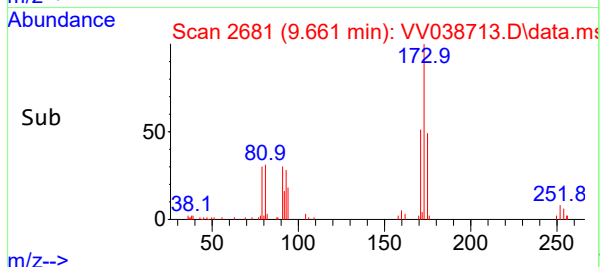
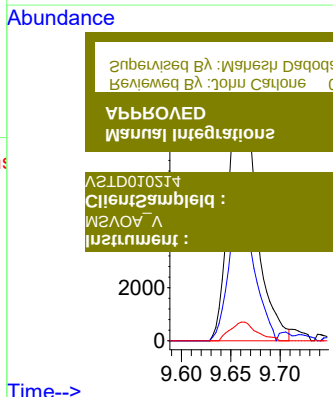
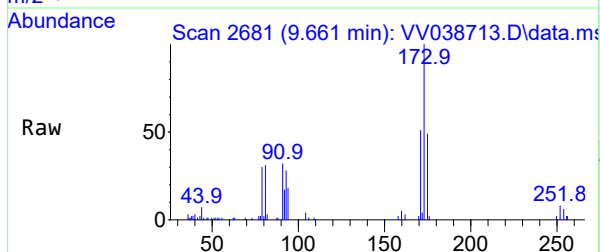
#57
1,1,2,2-Tetrachloroethane
Concen: 10.59 ug/L
RT: 10.169 min Scan# 2839
Delta R.T. 0.000 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion: 83 Resp: 52702
Ion Ratio Lower Upper
83 100
85 64.7 44.7 82.9
131 8.6 8.0 12.0



#59
Bromoform
Concen: 9.33 ug/L
RT: 9.661 min Scan# 2681
Delta R.T. 0.003 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

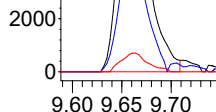
Tgt Ion: 173 Resp: 19939
Ion Ratio Lower Upper
173 100
175 48.0 38.8 58.2
254 6.5 6.9 10.3#

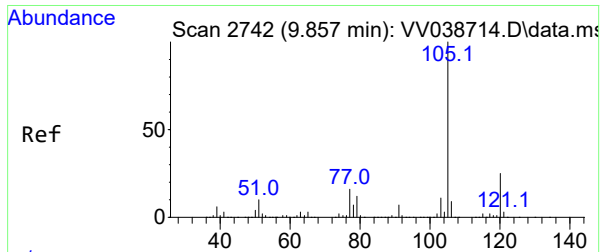


Submitted by : Magesh Dargoda 03/11/2022
Reviewed by : John Carone 03/11/2022

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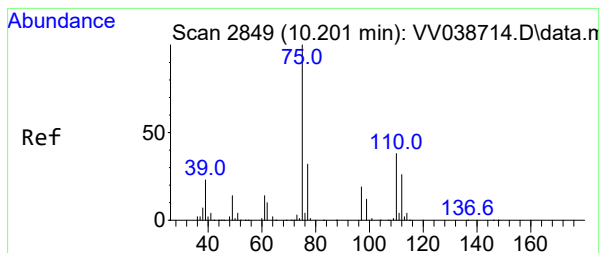
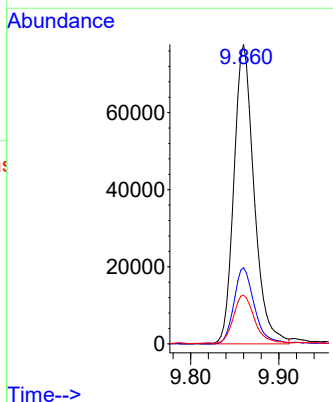
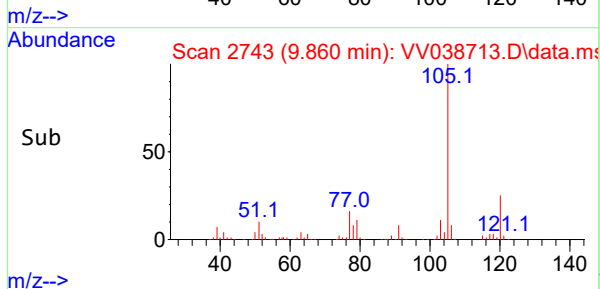
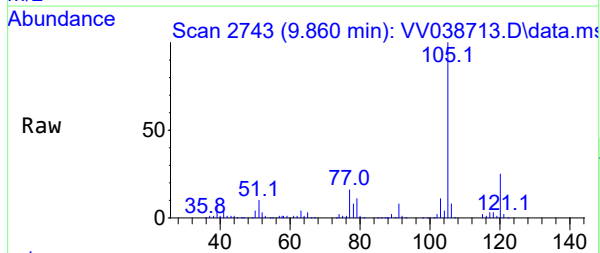
Client Sample :
MS/MS
Instrument :





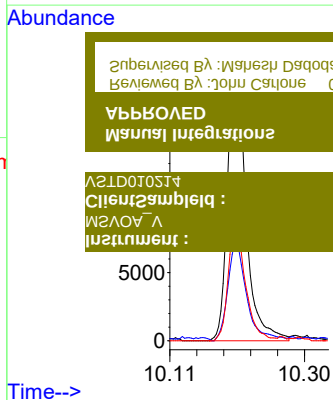
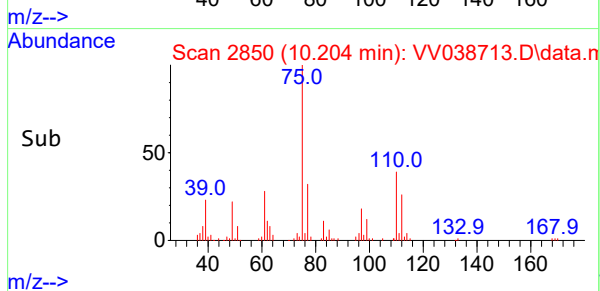
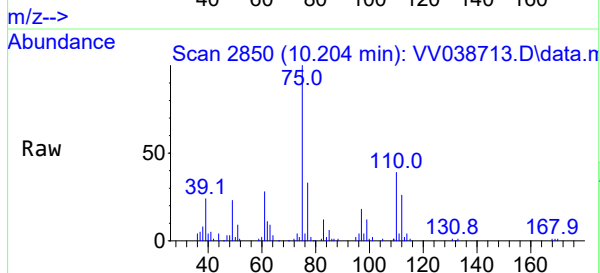
#60
Isopropylbenzene
Concen: 10.16 ug/L
RT: 9.860 min Scan# 2743
Delta R.T. 0.003 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion:	105	Resp:	123448
Ion	Ratio	Lower	Upper
105	100		
120	25.7	21.0	31.4
77	16.4	12.2	18.4



#61
1,2,3-Trichloropropane
Concen: 11.02 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. 0.003 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

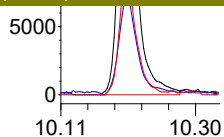
Tgt Ion:	75	Resp:	38141
Ion	Ratio	Lower	Upper
75	100		
77	35.1	25.8	38.6
110	38.6	32.2	48.4

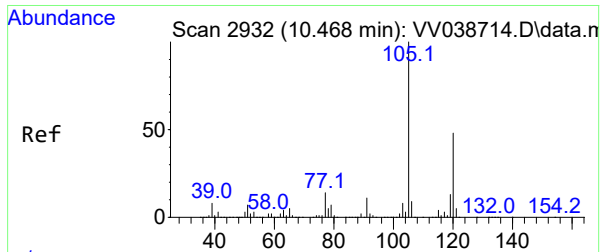


Submitted by: Magesh Dabodu 03/11/2022
Reviewed by: John Carone 03/11/2022

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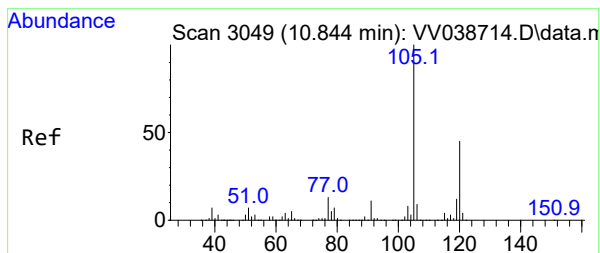
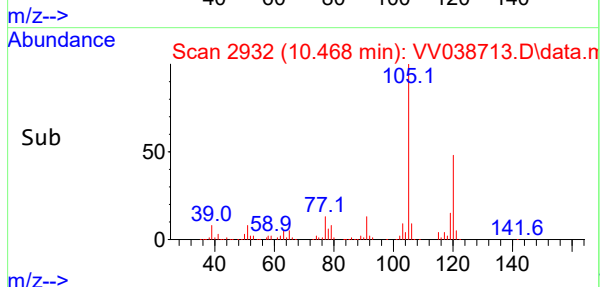
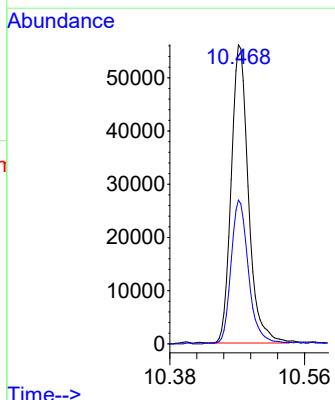
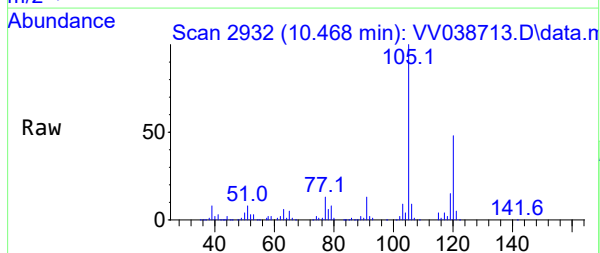
Client Sample ID :
MS/MS
Instrument :





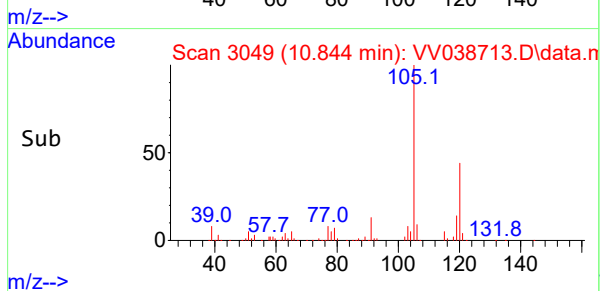
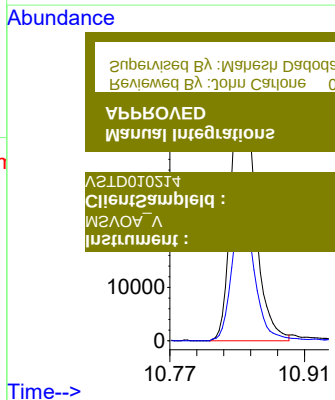
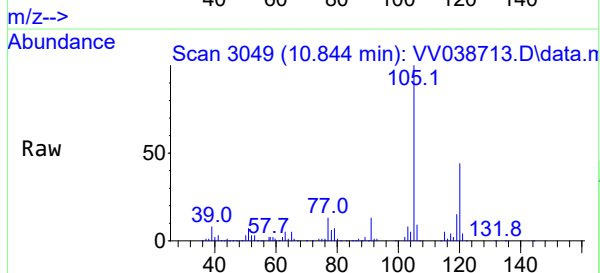
#62
1,3,5-Trimethylbenzene
Concen: 9.16 ug/L
RT: 10.468 min Scan# 2932
Delta R.T. 0.000 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion:105 Resp: 89376
Ion Ratio Lower Upper
105 100
120 48.4 39.1 58.7



#63
1,2,4-Trimethylbenzene
Concen: 9.01 ug/L
RT: 10.844 min Scan# 3049
Delta R.T. 0.000 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion:105 Resp: 86394
Ion Ratio Lower Upper
105 100
120 46.7 36.6 55.0

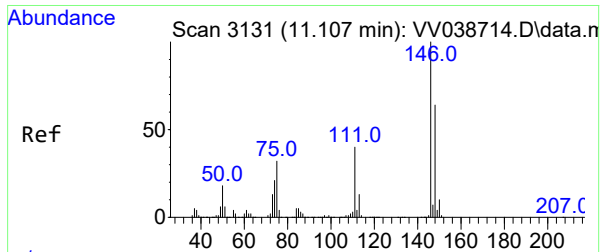


Submitted by: Magesh Dabodu 03/18/2025
Reviewed by: John Catione 03/18/2025

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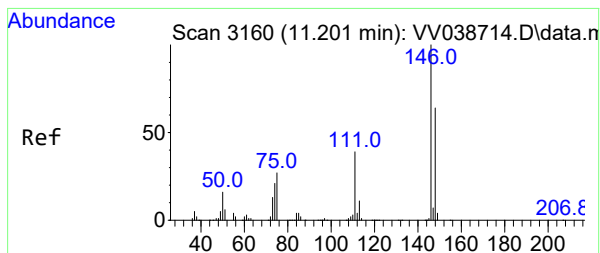
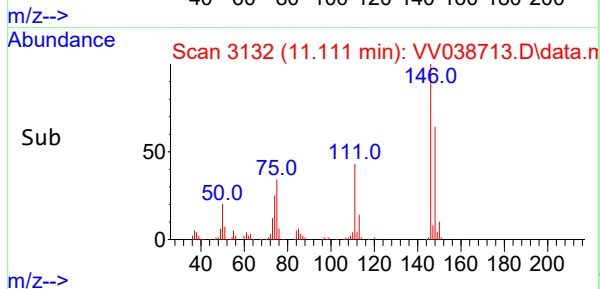
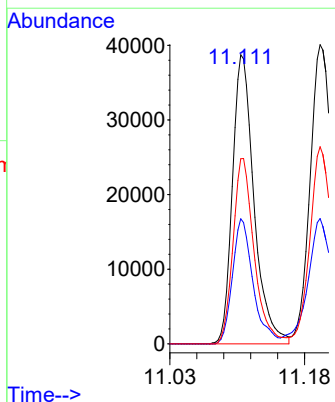
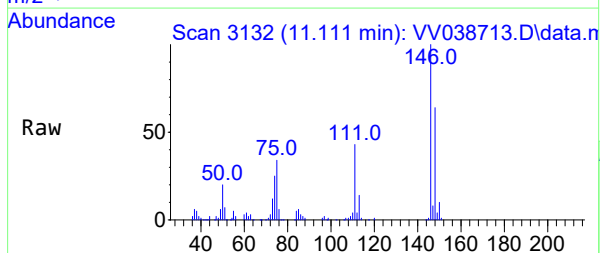
Client Sample ID :
MS/MS
Instrument :

10000
0
10.77 10.91



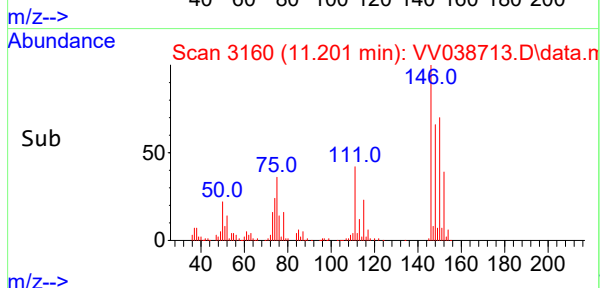
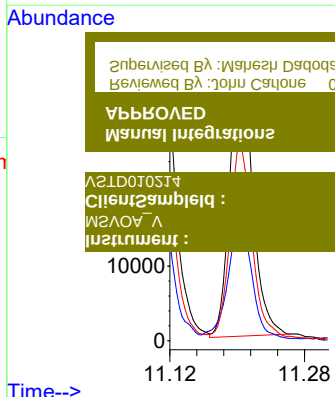
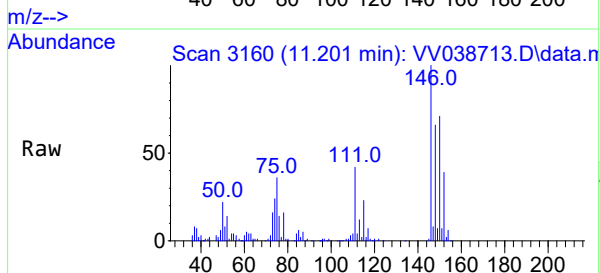
#64
1,3-Dichlorobenzene
Concen: 10.55 ug/L
RT: 11.111 min Scan# 3132
Delta R.T. 0.003 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion:146 Resp: 65795
Ion Ratio Lower Upper
146 100
111 43.3 27.8 51.6
148 64.0 45.1 83.7



#65
1,4-Dichlorobenzene
Concen: 10.66 ug/L
RT: 11.201 min Scan# 3160
Delta R.T. 0.000 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

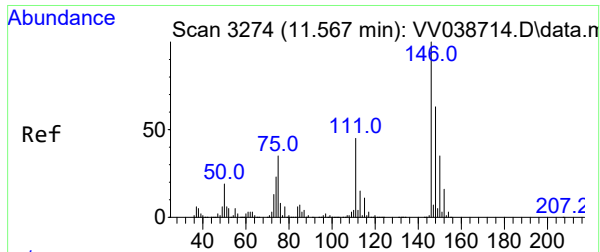
Tgt Ion:146 Resp: 70704
Ion Ratio Lower Upper
146 100
111 41.9 27.6 51.4
148 65.9 44.9 83.3



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

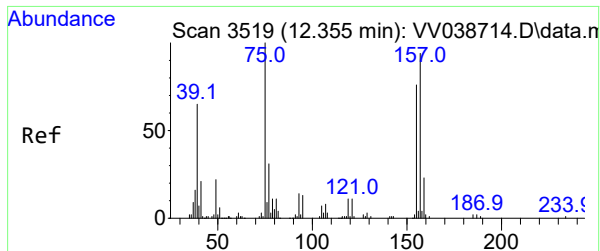
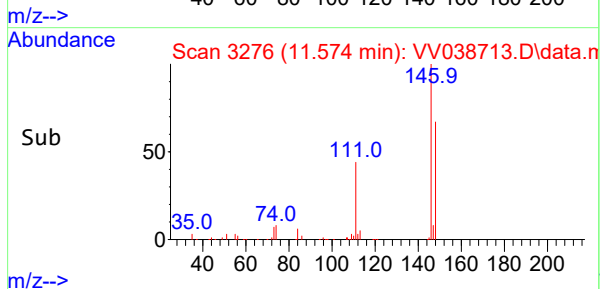
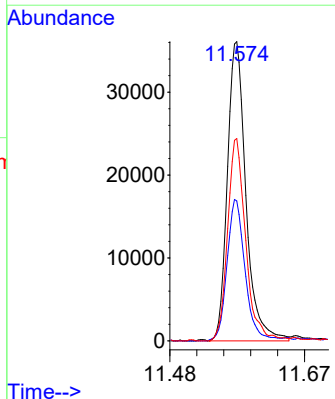
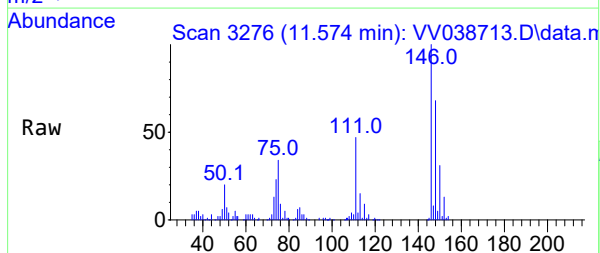
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Manual integrations

Client Sample ID :
MS/MS
Instrument :



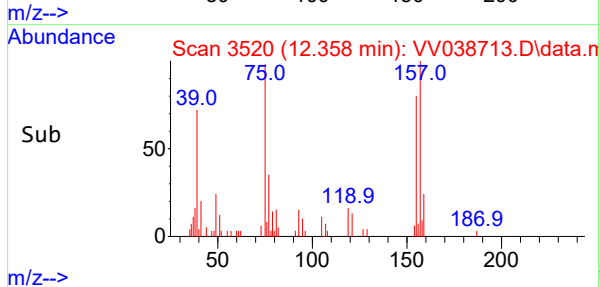
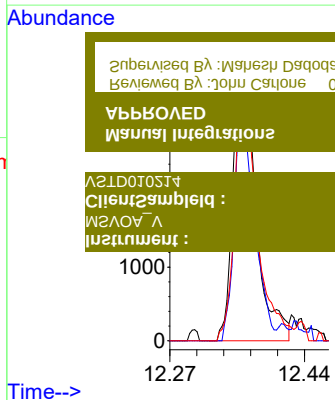
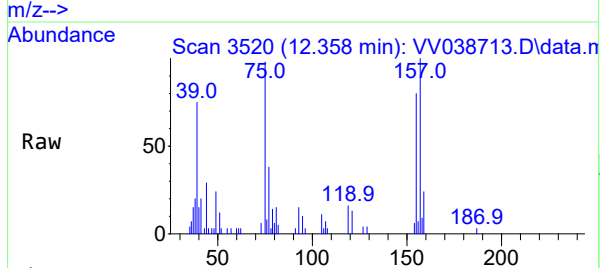
#67
1,2-Dichlorobenzene
Concen: 10.37 ug/L
RT: 11.574 min Scan# 3276
Delta R.T. 0.007 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion:146 Resp: 65933
Ion Ratio Lower Upper
146 100
111 46.8 34.2 51.2
148 67.6 50.5 75.7



#68
1,2-Dibromo-3-chloropropane
Concen: 8.84 ug/L
RT: 12.358 min Scan# 3520
Delta R.T. 0.003 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

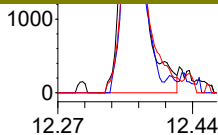
Tgt Ion: 75 Resp: 8061
Ion Ratio Lower Upper
75 100
155 81.1 66.8 100.2
157 101.6 83.4 125.2

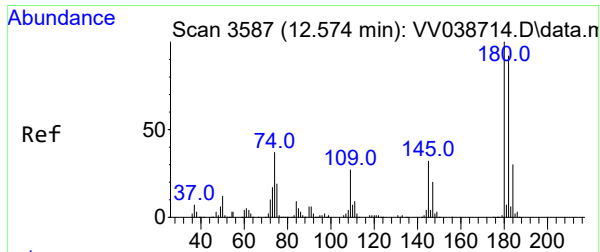


Supervised By: Manish Desai 03/18/2025
Reviewed By: John Collins 03/18/2025

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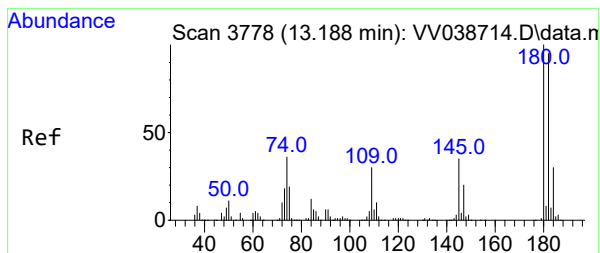
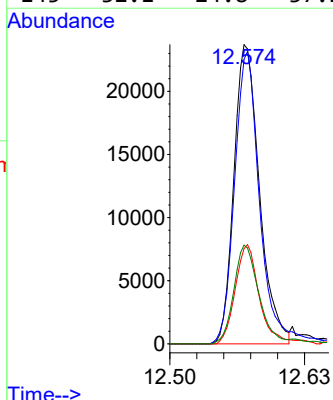
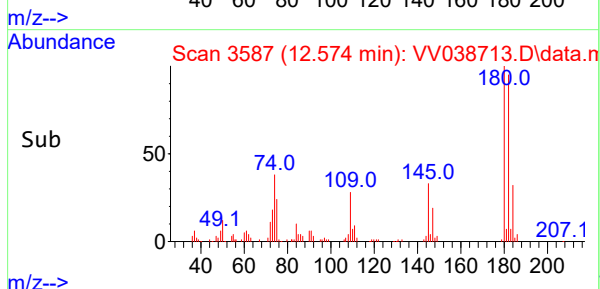
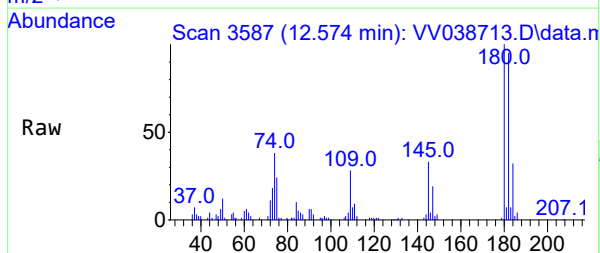
Client Sample ID:
MS/MS
Instrument:





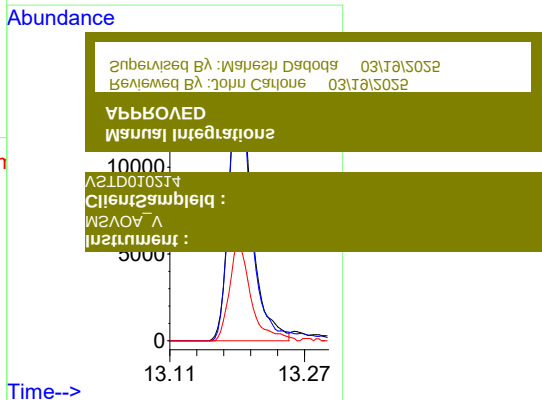
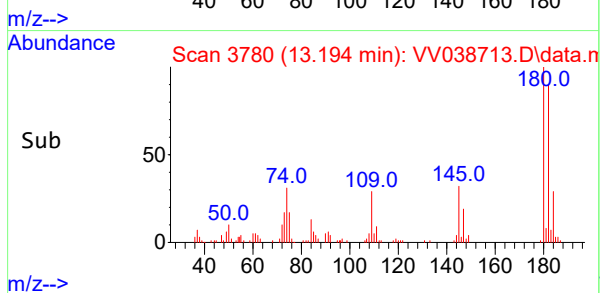
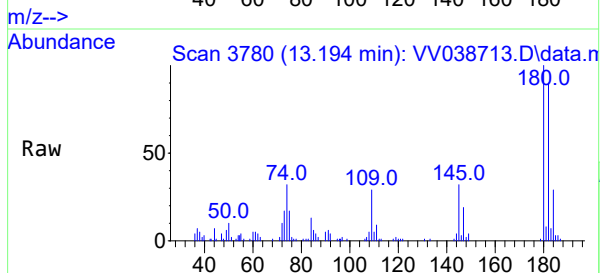
#69
1,3,5-Trichlorobenzene
Concen: 9.19 ug/L
RT: 12.574 min Scan# 3587
Delta R.T. 0.000 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion:	180	Resp:	39110
Ion Ratio	Lower	Upper	
180	100		
182	96.5	76.2	114.4
184	31.1	23.8	35.6
145	32.1	24.8	37.2



#70
1,2,4-trichlorobenzene
Concen: 8.15 ug/L
RT: 13.194 min Scan# 3780
Delta R.T. 0.007 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

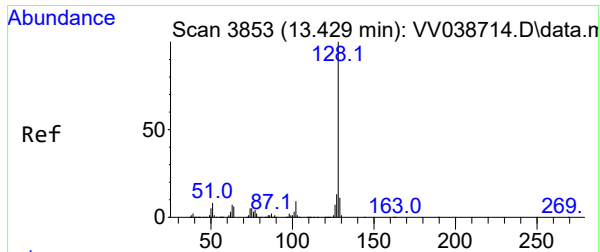
Tgt Ion:	180	Resp:	29218
Ion Ratio	Lower	Upper	
180	100		
182	91.8	76.2	114.2
145	32.8	24.7	37.1



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

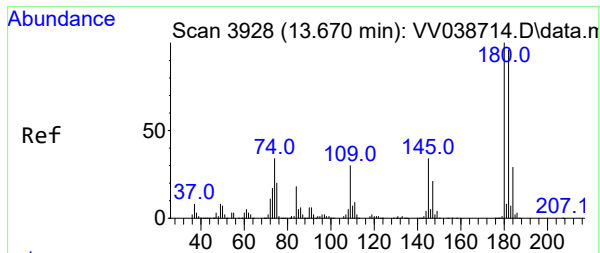
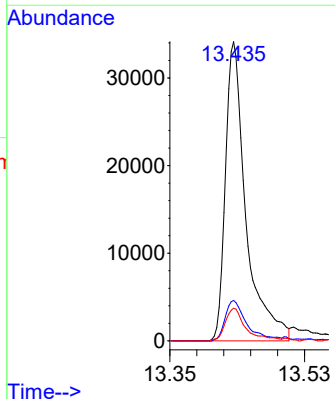
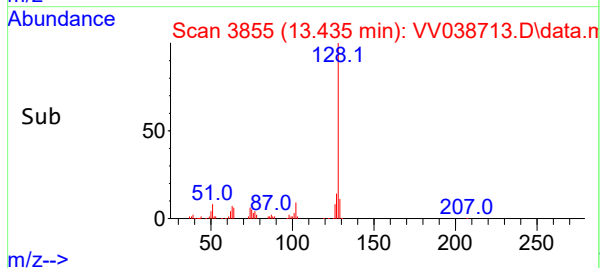
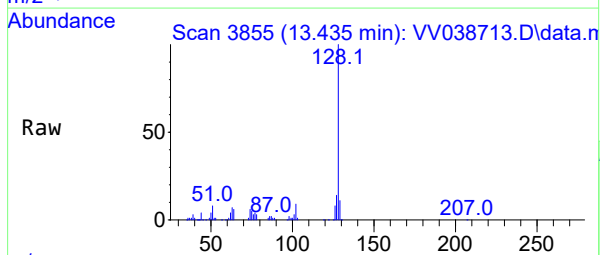
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Manual integrations

Client Sample ID:
MS/MS
Instrument:



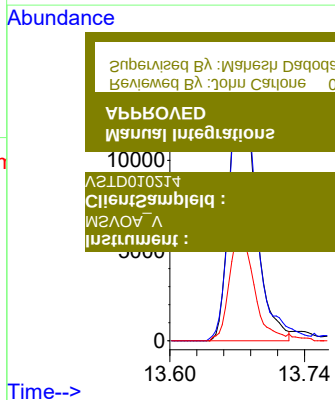
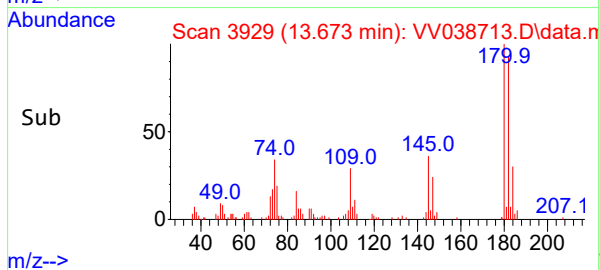
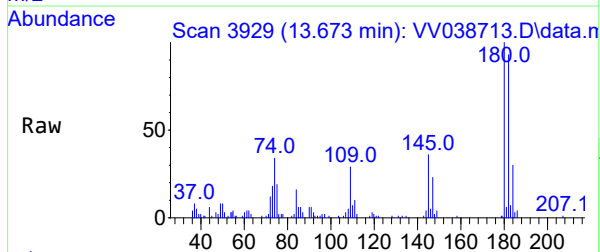
#71
Naphthalene
Concen: 6.70 ug/L
RT: 13.435 min Scan# 3855
Delta R.T. 0.007 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion:128 Resp: 65157
Ion Ratio Lower Upper
128 100
127 13.9 10.1 15.1
129 9.9 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 7.98 ug/L
RT: 13.673 min Scan# 3929
Delta R.T. 0.003 min
Lab File: VV038713.D
Acq: 17 Mar 2025 12:55

Tgt Ion:180 Resp: 28055
Ion Ratio Lower Upper
180 100
182 100.8 75.8 113.6
145 36.9 27.1 40.7



Substrate: Naphthalene
Released By: John C. Jones
APPROVED
Manual Integrations
10000
Client Sample ID: VV038713.D
Instrument: L2100T014