

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081525\
 Data File : VN087573.D
 Acq On : 15 Aug 2025 10:16
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 18 05:36:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.206	168	245586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	482039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	450948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	231046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	246070	59.051	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.100%			
35) Dibromofluoromethane	8.147	113	171373	51.539	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.080%			
50) Toluene-d8	10.547	98	621670	52.413	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.820%			
62) 4-Bromofluorobenzene	12.829	95	238626	54.455	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.900%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	152333	58.401	ug/l	100
3) Chloromethane	2.383	50	158050	48.184	ug/l	97
4) Vinyl Chloride	2.542	62	179416	55.039	ug/l	93
5) Bromomethane	2.965	94	103996	61.606	ug/l	96
6) Chloroethane	3.130	64	124531	58.579	ug/l	99
7) Trichlorofluoromethane	3.512	101	265980	55.180	ug/l	99
8) Diethyl Ether	3.959	74	118709	63.487	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	144941	58.576	ug/l	95
10) Methyl Iodide	4.577	142	101027	40.848	ug/l	91
11) Tert butyl alcohol	5.524	59	221936	280.493	ug/l	99
12) 1,1-Dichloroethene	4.336	96	145621	51.933	ug/l	90
13) Acrolein	4.177	56	139004	218.909	ug/l	98
14) Allyl chloride	5.012	41	273265	53.851	ug/l	90
15) Acrylonitrile	5.706	53	583196	271.620	ug/l	98
16) Acetone	4.424	43	573915	293.740	ug/l	97
17) Carbon Disulfide	4.700	76	384434	46.244	ug/l #	94
18) Methyl Acetate	5.012	43	322116	65.621	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	623488	60.326	ug/l	100
20) Methylene Chloride	5.259	84	182739	55.396	ug/l	95
21) trans-1,2-Dichloroethene	5.777	96	163725	51.785	ug/l	97
22) Diisopropyl ether	6.659	45	654568	61.495	ug/l	96
23) Vinyl Acetate	6.589	43	2593559m	278.594	ug/l	
24) 1,1-Dichloroethane	6.553	63	337733	54.997	ug/l	99
25) 2-Butanone	7.471	43	845738	280.153	ug/l	97
26) 2,2-Dichloropropane	7.477	77	283554	59.390	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	204373	56.147	ug/l	97
28) Bromochloromethane	7.794	49	173390	58.996	ug/l	93
29) Tetrahydrofuran	7.830	42	550696	280.806	ug/l	99
30) Chloroform	7.947	83	360614	58.668	ug/l	100
31) Cyclohexane	8.236	56	261405	51.027	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	302264	56.776	ug/l	98
36) 1,1-Dichloropropene	8.353	75	229611	52.267	ug/l	99
37) Ethyl Acetate	7.547	43	325639	51.325	ug/l	98
38) Carbon Tetrachloride	8.347	117	238627	49.310	ug/l	98
39) Methylcyclohexane	9.583	83	246370	51.801	ug/l	96
40) Benzene	8.588	78	737316	51.930	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	186380	56.181	ug/l	96
42) 1,2-Dichloroethane	8.653	62	293150	54.445	ug/l	98
43) Isopropyl Acetate	8.671	43	544817	55.317	ug/l	98
44) Trichloroethene	9.335	130	163654	48.781	ug/l	94
45) 1,2-Dichloropropane	9.600	63	194632	53.950	ug/l	97
46) Dibromomethane	9.688	93	141832	52.508	ug/l	96
47) Bromodichloromethane	9.871	83	293550	53.953	ug/l	96
48) Methyl methacrylate	9.665	41	261626	59.006	ug/l	93
49) 1,4-Dioxane	9.683	88	67410	992.637	ug/l #	97
51) 4-Methyl-2-Pentanone	10.430	43	1704082	273.561	ug/l	97
52) Toluene	10.612	92	460656	53.378	ug/l	96
53) t-1,3-Dichloropropene	10.818	75	308036	55.942	ug/l	97
54) cis-1,3-Dichloropropene	10.294	75	315398	55.452	ug/l #	87
55) 1,1,2-Trichloroethane	10.994	97	186077	53.258	ug/l	91
56) Ethyl methacrylate	10.859	69	316843	53.760	ug/l #	90
57) 1,3-Dichloropropane	11.141	76	326196	53.998	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	893965	311.911	ug/l	99
59) 2-Hexanone	11.177	43	1164925	281.869	ug/l	99
60) Dibromochloromethane	11.341	129	208269	52.269	ug/l	99
61) 1,2-Dibromoethane	11.447	107	191947	52.250	ug/l	98
64) Tetrachloroethene	11.082	164	128627	44.319	ug/l	93
65) Chlorobenzene	11.871	112	501410	49.526	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.941	131	179303	52.084	ug/l	97
67) Ethyl Benzene	11.941	91	896675	53.800	ug/l	96
68) m/p-Xylenes	12.053	106	659442	105.661	ug/l	93
69) o-Xylene	12.376	106	324131	54.369	ug/l	94
70) Styrene	12.394	104	568876	56.724	ug/l	99
71) Bromoform	12.559	173	135253	48.631	ug/l #	99
73) Isopropylbenzene	12.676	105	839343	57.720	ug/l	97
74) N-amyl acetate	12.500	43	263749	43.655	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.918	83	299201	54.681	ug/l	99
76) 1,2,3-Trichloropropane	12.976	75	278895m	53.830	ug/l	
77) Bromobenzene	12.959	156	196171	52.017	ug/l	94
78) n-propylbenzene	13.018	91	1058309	57.845	ug/l	98
79) 2-Chlorotoluene	13.106	91	633865	56.373	ug/l	95
80) 1,3,5-Trimethylbenzene	13.153	105	715218	57.727	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.718	75	96915	51.182	ug/l	87
82) 4-Chlorotoluene	13.200	91	663500	56.677	ug/l	97
83) tert-Butylbenzene	13.418	119	609585	58.909	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	748938	59.192	ug/l	95
85) sec-Butylbenzene	13.594	105	895296	57.439	ug/l	98
86) p-Isopropyltoluene	13.706	119	736868	58.991	ug/l	97
87) 1,3-Dichlorobenzene	13.712	146	387319	52.330	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	394677	49.927	ug/l	97
89) n-Butylbenzene	14.035	91	731646	61.341	ug/l	99
90) Hexachloroethane	14.312	117	135871	51.338	ug/l	95
91) 1,2-Dichlorobenzene	14.082	146	375976	53.620	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	68815	47.902	ug/l	97
93) 1,2,4-Trichlorobenzene	15.370	180	220609	53.561	ug/l	99
94) Hexachlorobutadiene	15.476	225	80598	52.663	ug/l	100
95) Naphthalene	15.612	128	804553	55.138	ug/l	99
96) 1,2,3-Trichlorobenzene	15.817	180	215045	52.048	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N

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VSTDCCC050

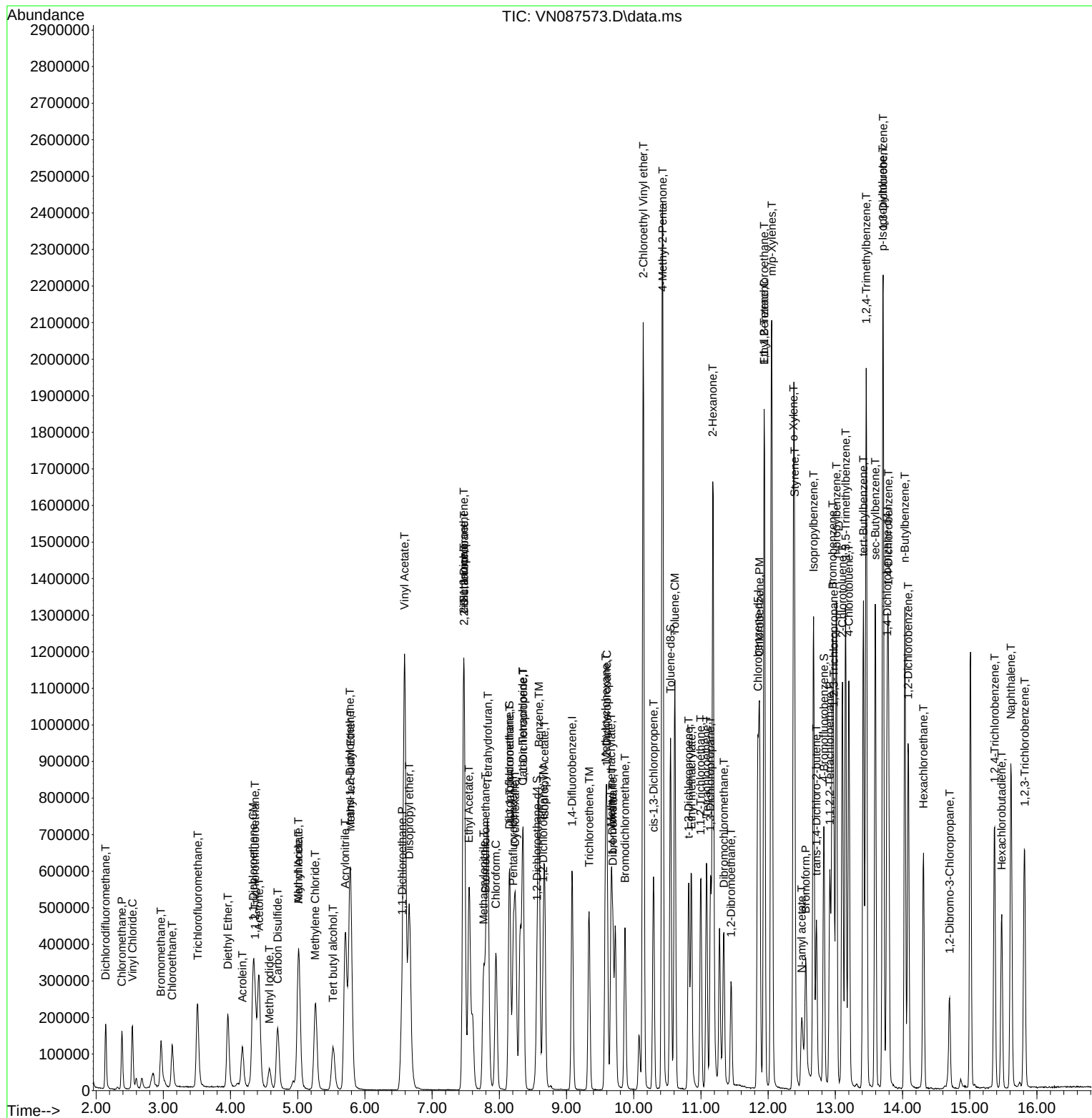
Manual Integrations

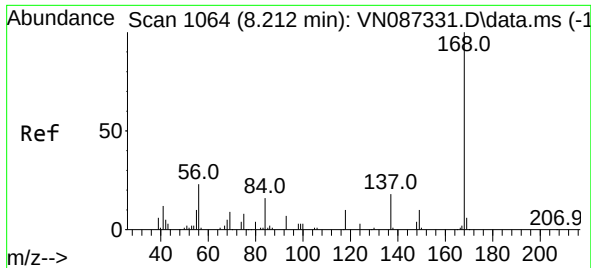
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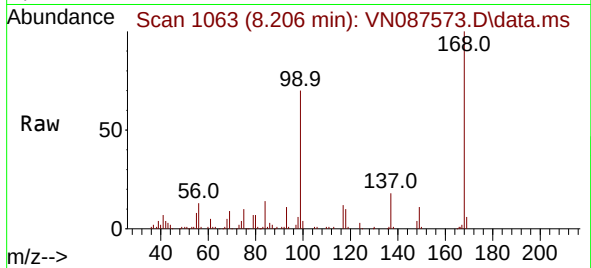
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087573.D
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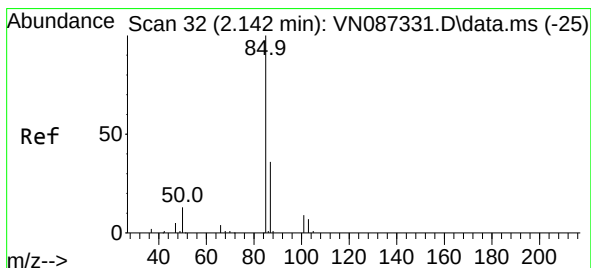
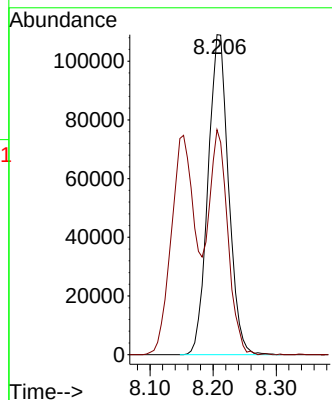
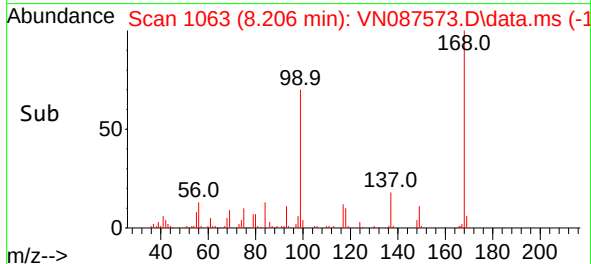
Instrument :
MSVOA_N
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VSTDCCC050



Tgt Ion:168 Resp: 245580
Ion Ratio Lower Upper
168 100
99 70.1 47.9 71.9

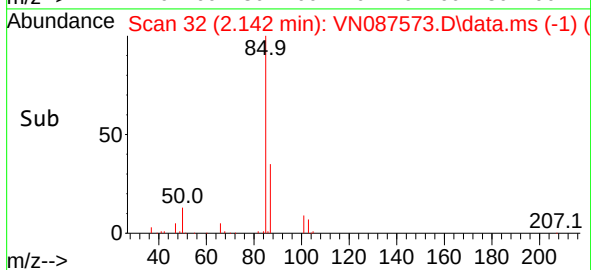
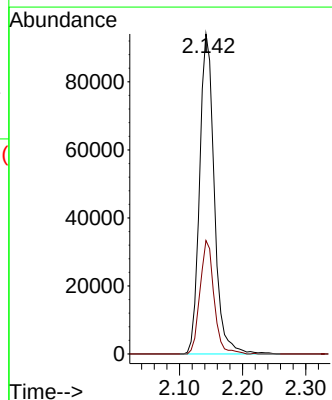
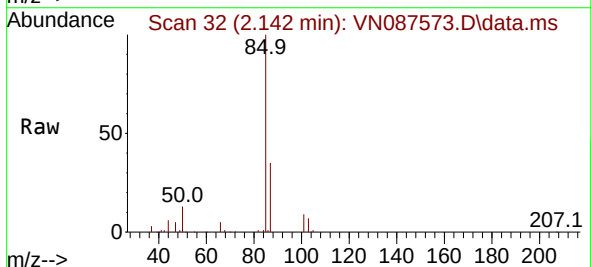
Manual Integrations
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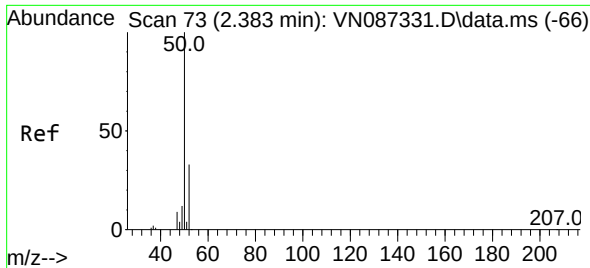
Reviewed By :John Carlone 08/18/2025
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#2
Dichlorodifluoromethane
Concen: 58.401 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

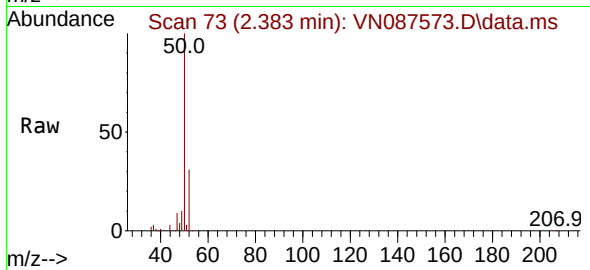
Tgt Ion: 85 Resp: 152333
Ion Ratio Lower Upper
85 100
87 35.5 17.8 53.3





#3
Chloromethane
Concen: 48.184 ug/l
RT: 2.383 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

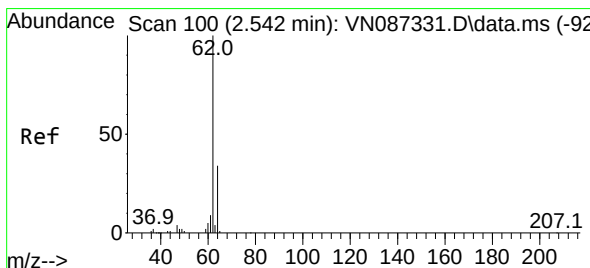
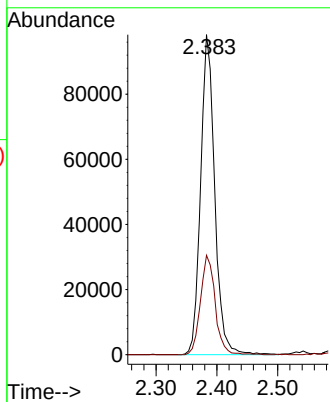
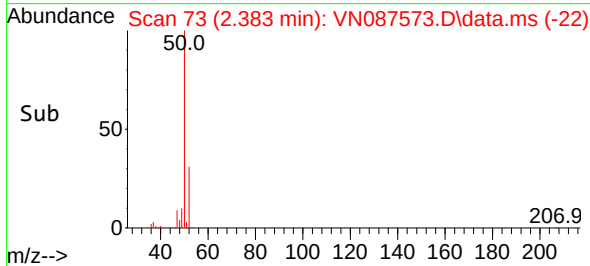
Instrument :
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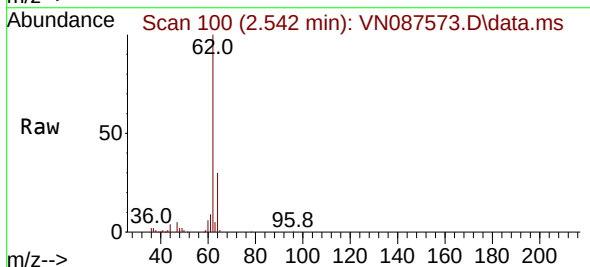
Tgt Ion: 50 Resp: 158050
Ion Ratio Lower Upper
50 100
52 31.0 26.3 39.5

Manual Integrations
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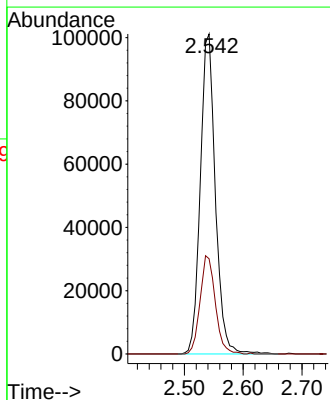
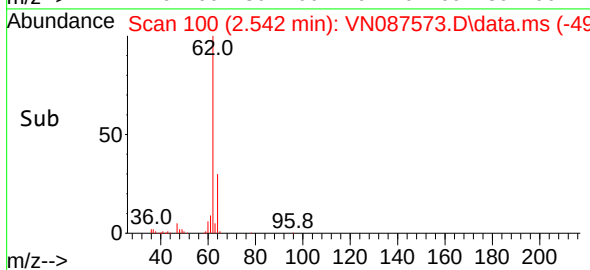
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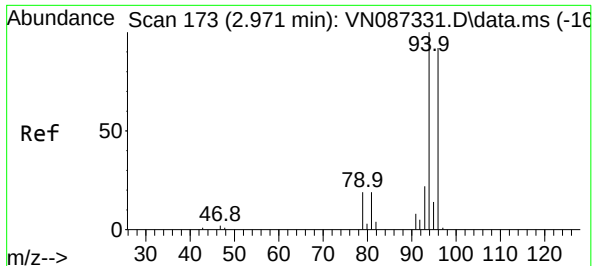


#4
Vinyl Chloride
Concen: 55.039 ug/l
RT: 2.542 min Scan# 100
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16



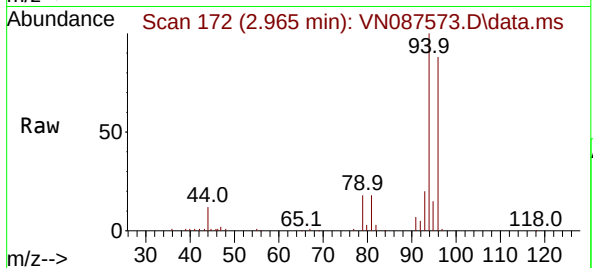
Tgt Ion: 62 Resp: 179416
Ion Ratio Lower Upper
62 100
64 29.7 27.0 40.6





#5
Bromomethane
Concen: 61.606 ug/l
RT: 2.965 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

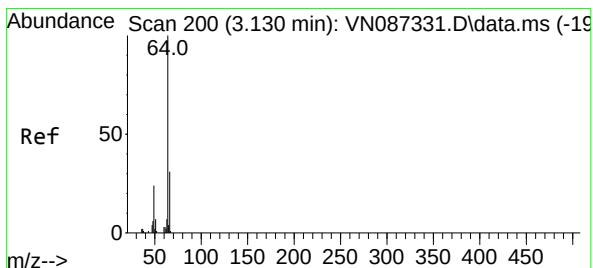
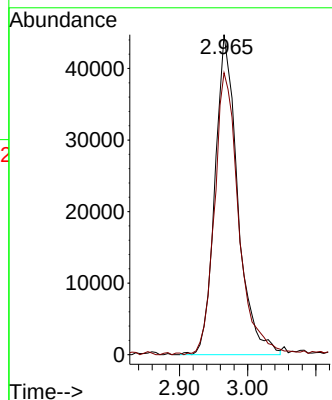
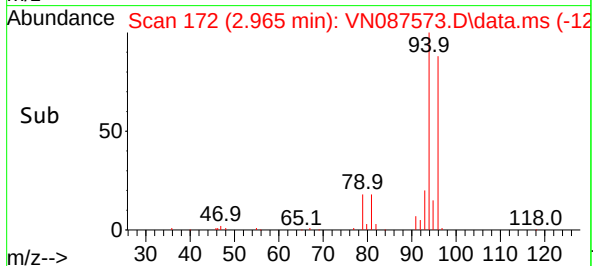
Instrument :
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Tgt Ion: 94 Resp: 103990
Ion Ratio Lower Upper
94 100
96 87.6 73.4 110.2

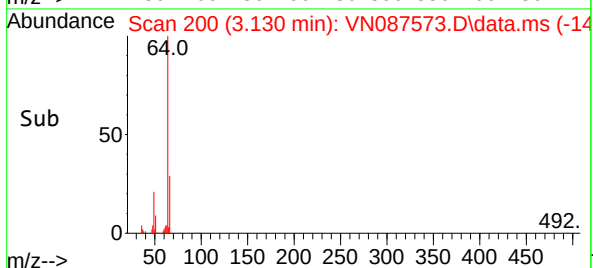
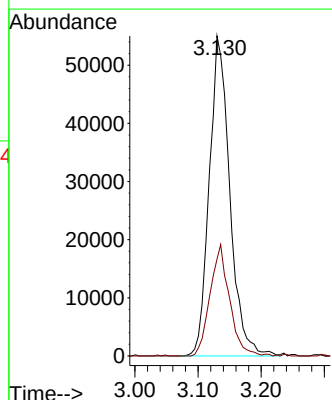
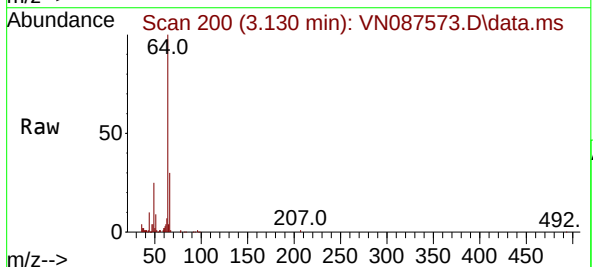
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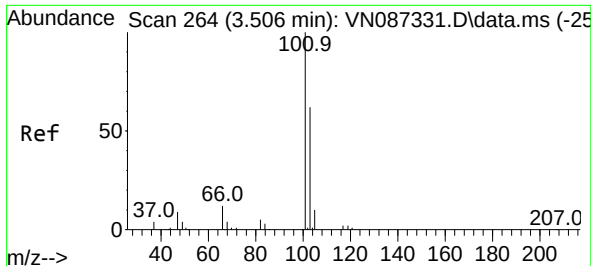
Reviewed By :John Carlone 08/18/2025
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#6
Chloroethane
Concen: 58.579 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

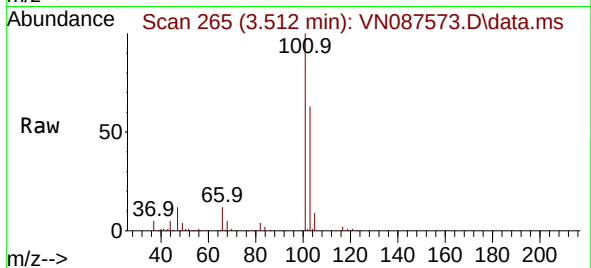
Tgt Ion: 64 Resp: 124531
Ion Ratio Lower Upper
64 100
66 30.2 24.6 36.8





#7
Trichlorofluoromethane
Concen: 55.180 ug/l
RT: 3.512 min Scan# 265
Delta R.T. 0.006 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

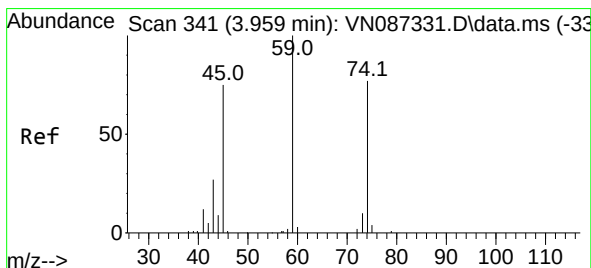
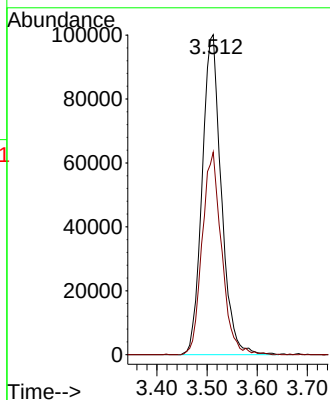
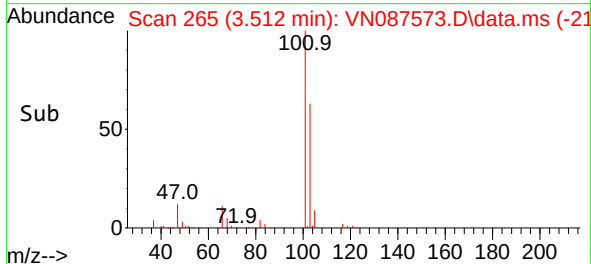
Instrument :
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ClientSampleId :
VSTDCCC050



Tgt Ion:101 Resp: 265980
Ion Ratio Lower Upper
101 100
103 63.3 49.8 74.6

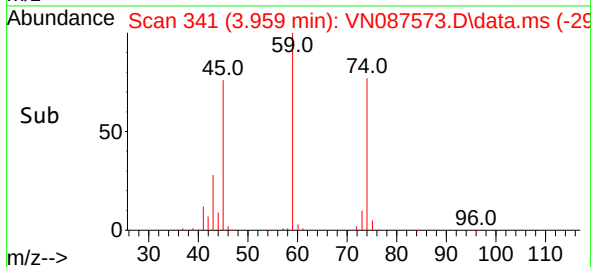
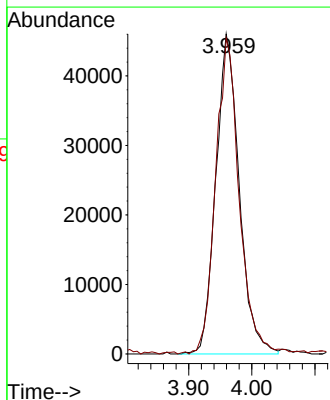
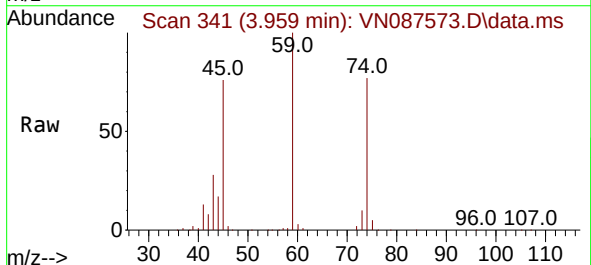
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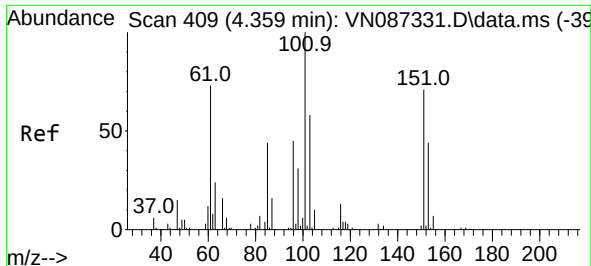
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#8
Diethyl Ether
Concen: 63.487 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

Tgt Ion: 74 Resp: 118709
Ion Ratio Lower Upper
74 100
45 99.9 50.8 152.5





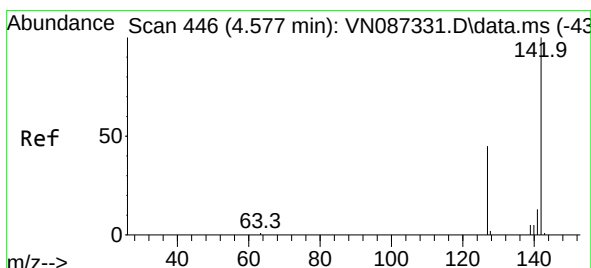
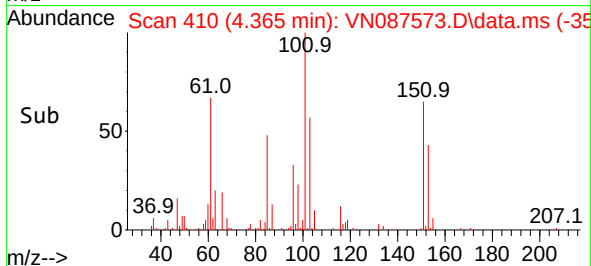
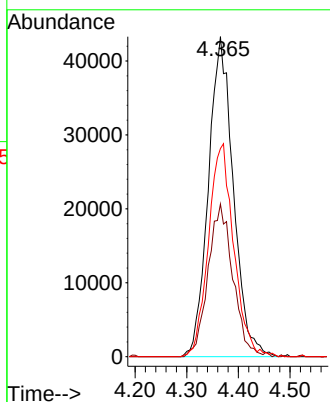
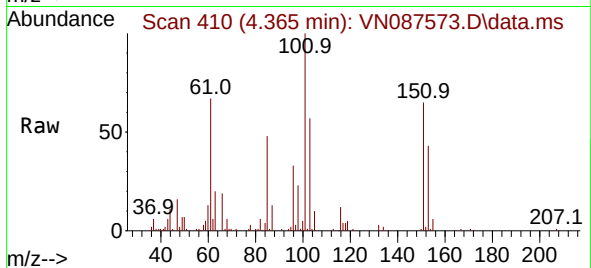
#9
1,1,2-Trichlorotrifluoroethane
Concen: 58.576 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 14494
Ion Ratio Lower Upper
101 100
85 47.4 37.3 55.9
151 67.8 58.9 88.3

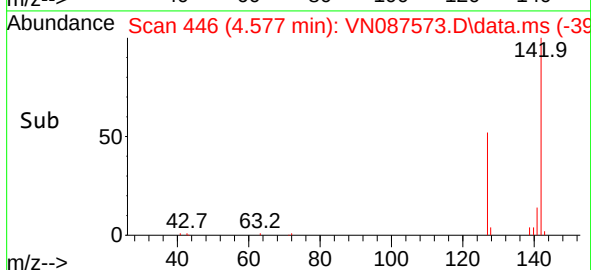
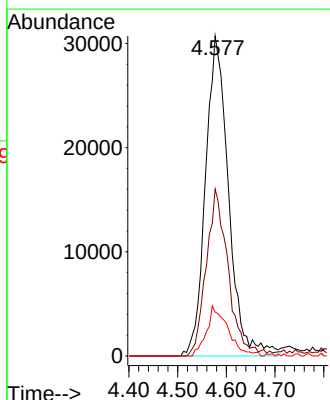
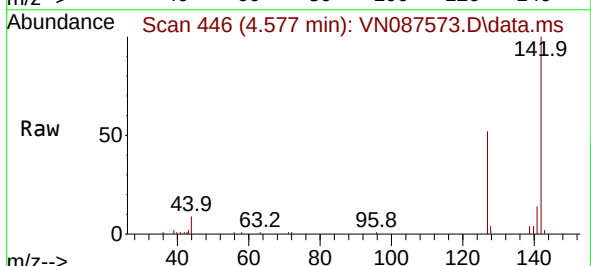
Manual Integrations
APPROVED

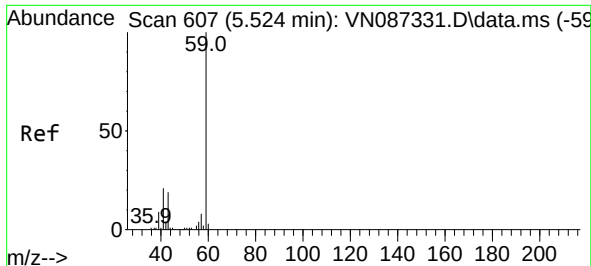
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#10
Methyl Iodide
Concen: 40.848 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

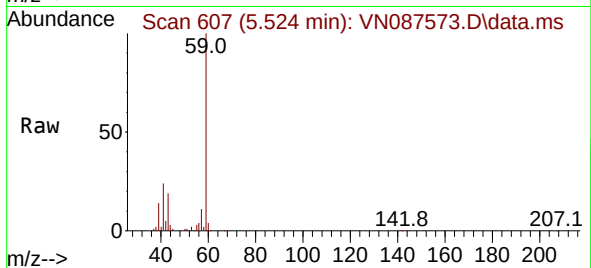
Tgt Ion:142 Resp: 101027
Ion Ratio Lower Upper
142 100
127 52.2 35.7 53.5
141 13.7 10.4 15.6





#11
Tert butyl alcohol
Concen: 280.493 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

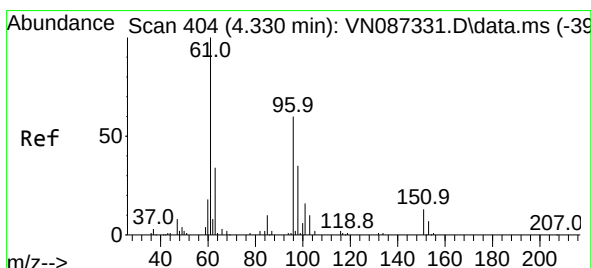
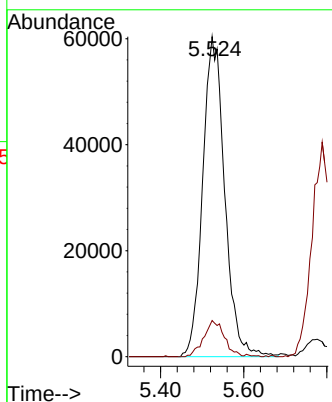
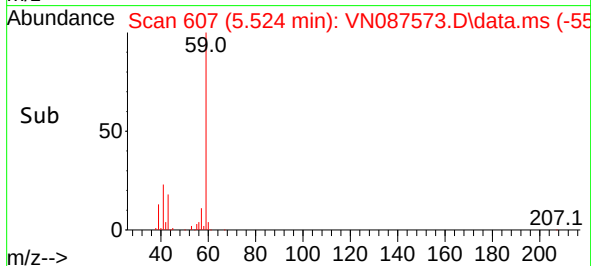
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



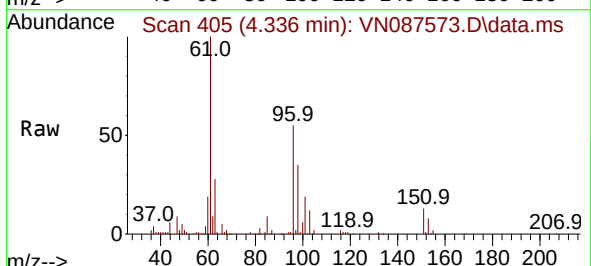
Tgt Ion: 59 Resp: 221936
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5

Manual Integrations
APPROVED

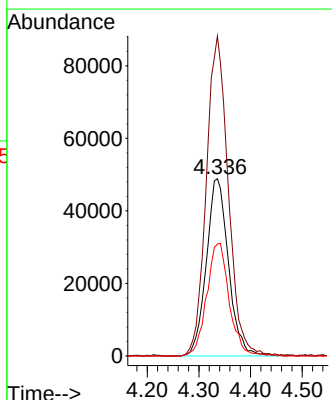
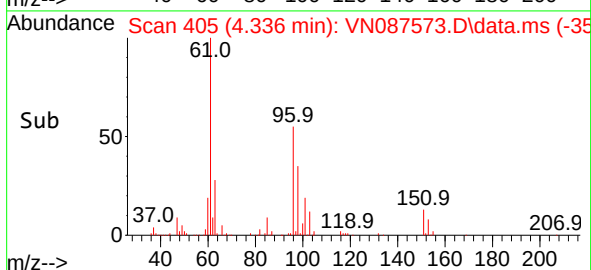
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

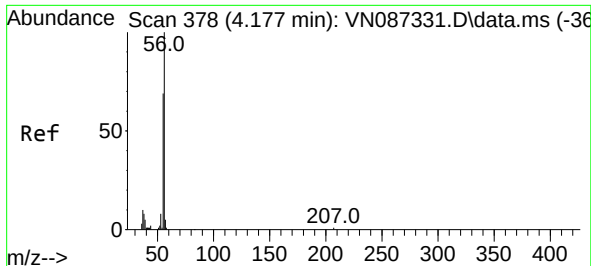


#12
1,1-Dichloroethene
Concen: 51.933 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.006 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16



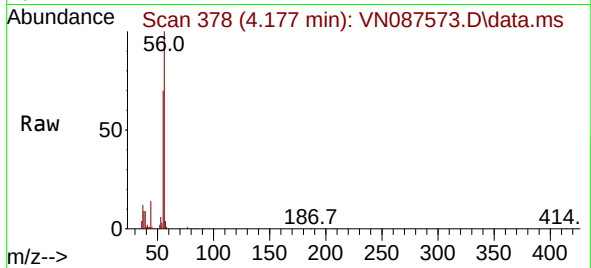
Tgt Ion: 96 Resp: 145621
Ion Ratio Lower Upper
96 100
61 180.5 132.3 198.5
98 63.1 46.8 70.2





#13
Acrolein
Concen: 218.909 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

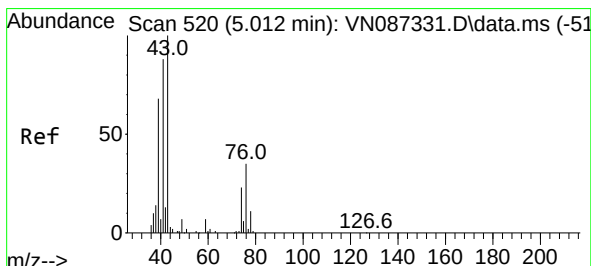
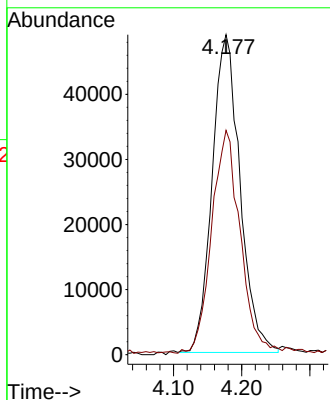
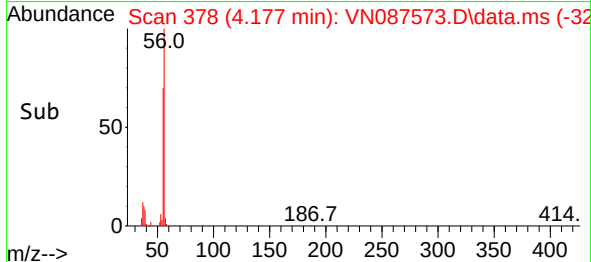
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 56 Resp: 139004
Ion Ratio Lower Upper
56 100
55 71.7 56.2 84.4

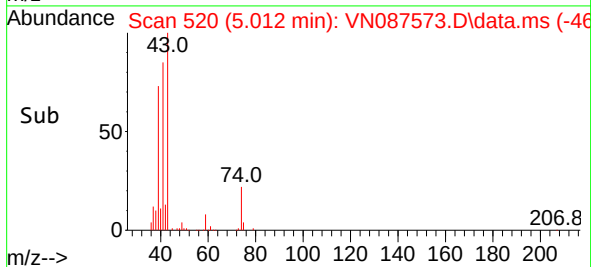
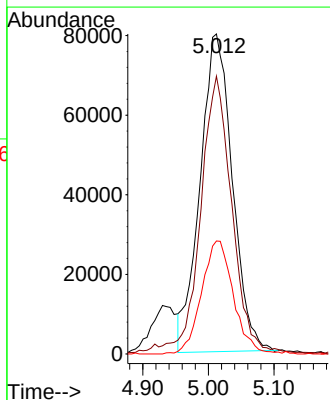
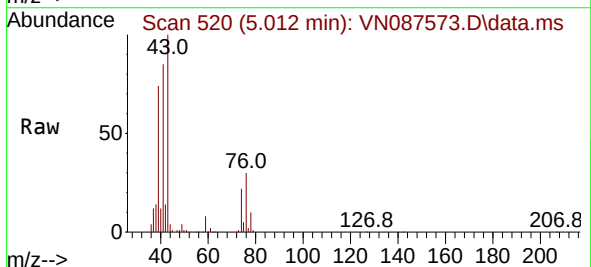
Manual Integrations
APPROVED

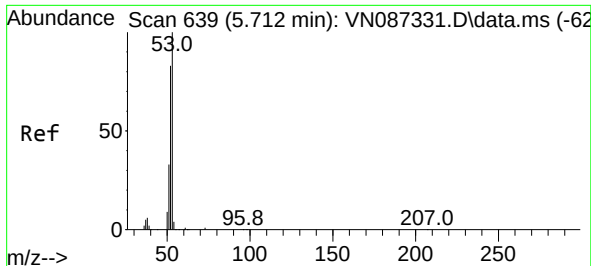
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#14
Allyl chloride
Concen: 53.851 ug/l
RT: 5.012 min Scan# 520
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

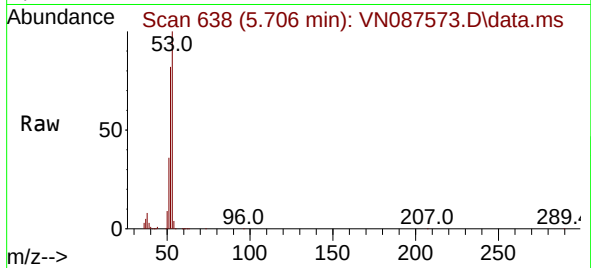
Tgt Ion: 41 Resp: 273265
Ion Ratio Lower Upper
41 100
39 86.0 59.0 88.6
76 35.1 28.7 43.1





#15
Acrylonitrile
Concen: 271.620 ug/l
RT: 5.706 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

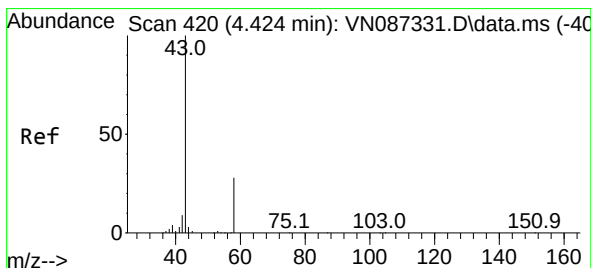
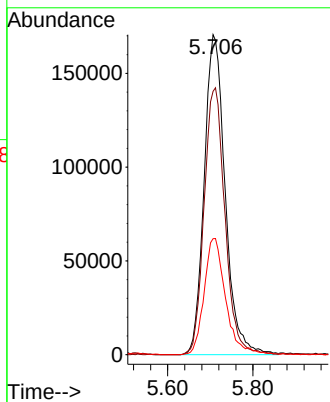
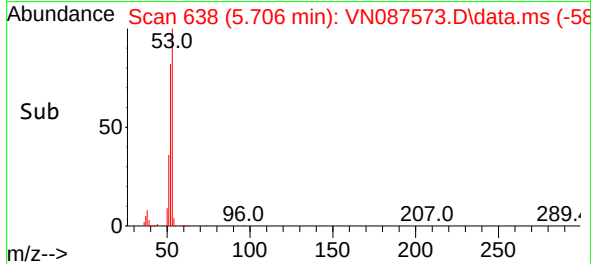
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



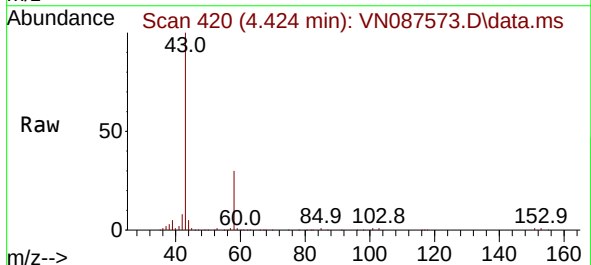
Tgt Ion: 53 Resp: 583190
Ion Ratio Lower Upper
53 100
52 83.0 65.5 98.3
51 37.2 28.7 43.1

Manual Integrations
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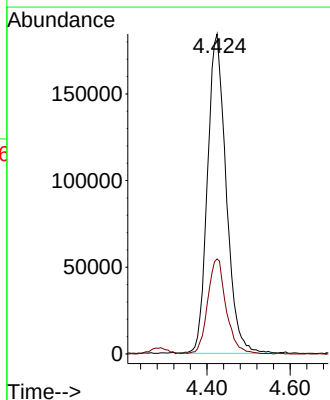
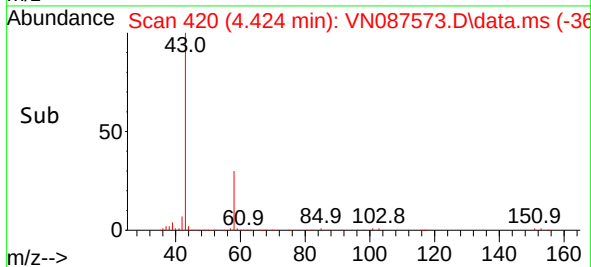
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

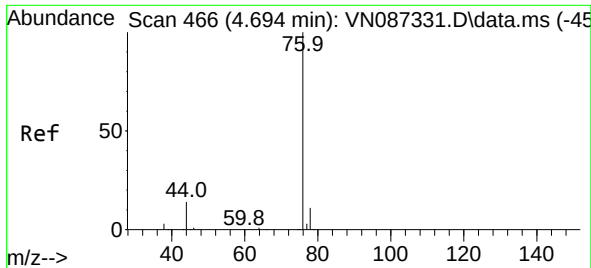


#16
Acetone
Concen: 293.740 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16



Tgt Ion: 43 Resp: 573915
Ion Ratio Lower Upper
43 100
58 29.5 22.3 33.5





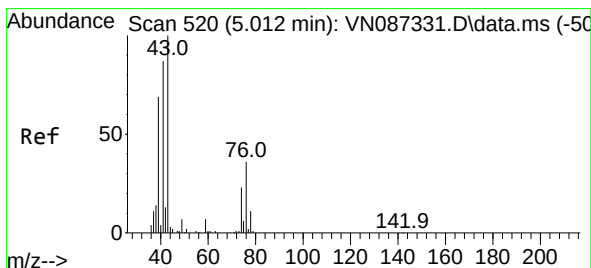
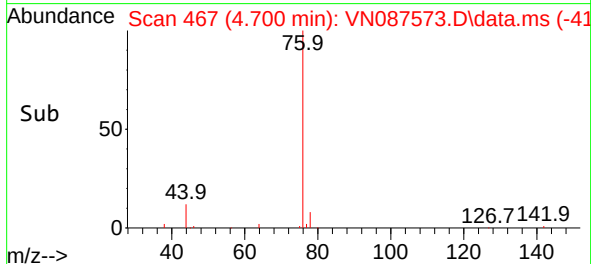
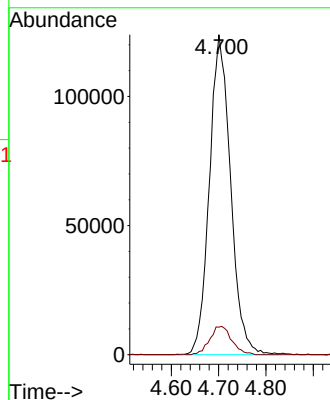
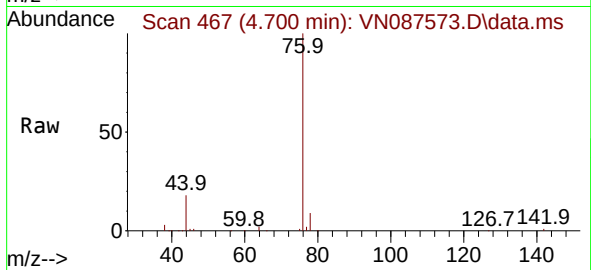
#17
Carbon Disulfide
Concen: 46.244 ug/l
RT: 4.700 min Scan# 40
Delta R.T. 0.006 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 384434
Ion Ratio Lower Upper
76 100
78 8.6 8.6 13.0

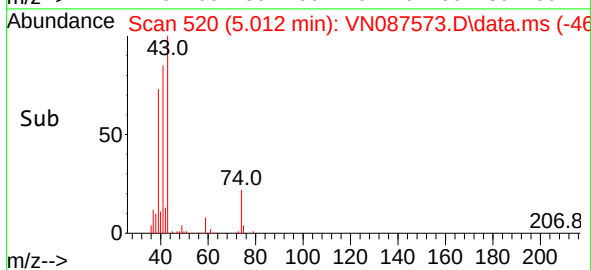
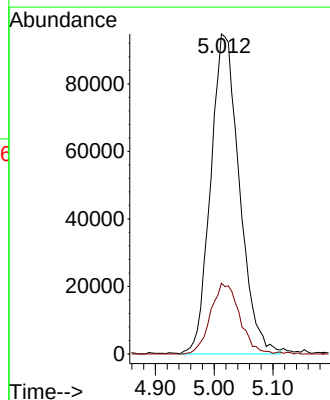
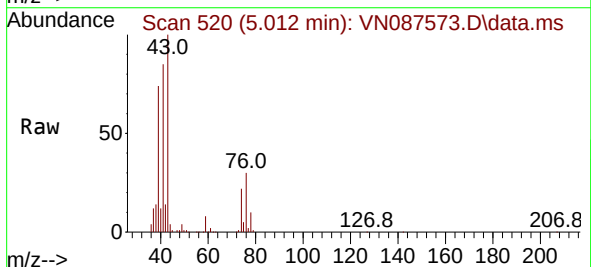
Manual Integrations
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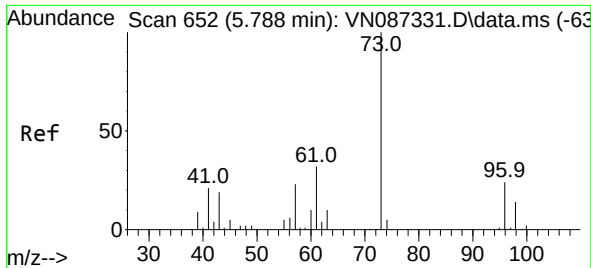
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#18
Methyl Acetate
Concen: 65.621 ug/l
RT: 5.012 min Scan# 520
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

Tgt Ion: 43 Resp: 322116
Ion Ratio Lower Upper
43 100
74 22.2 17.8 26.6





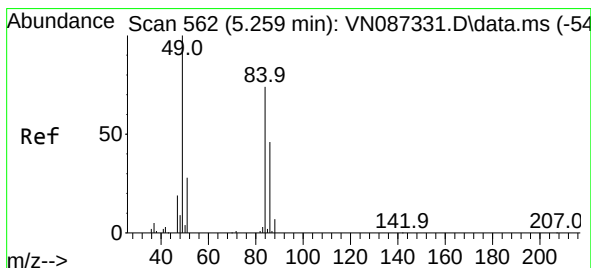
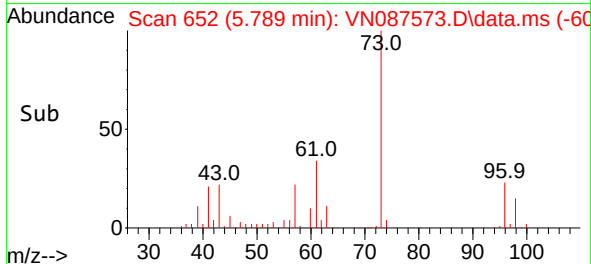
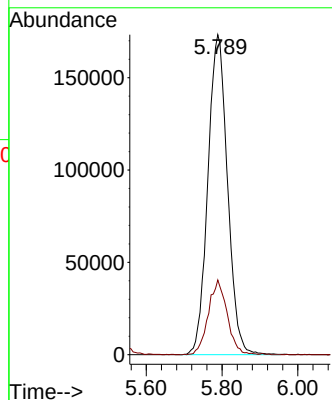
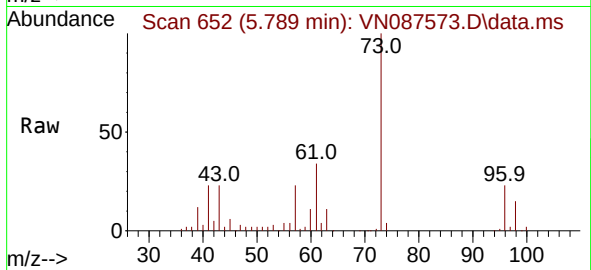
#19
Methyl tert-butyl Ether
Concen: 60.326 ug/l
RT: 5.789 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 62348
Ion Ratio Lower Upper
73 100
57 23.4 18.6 27.8

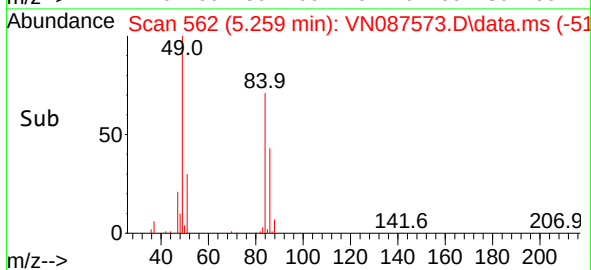
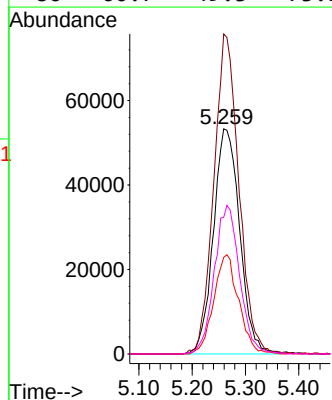
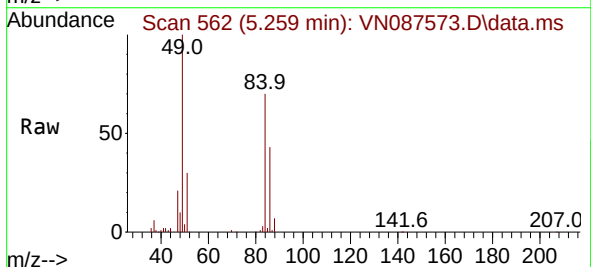
Manual Integrations
APPROVED

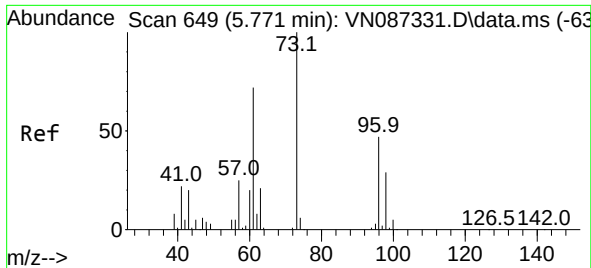
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#20
Methylene Chloride
Concen: 55.396 ug/l
RT: 5.259 min Scan# 562
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

Tgt Ion: 84 Resp: 182739
Ion Ratio Lower Upper
84 100
49 142.1 107.5 161.3
51 42.9 30.2 45.2
86 60.7 49.3 73.9





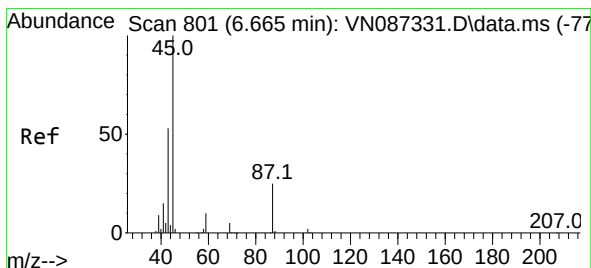
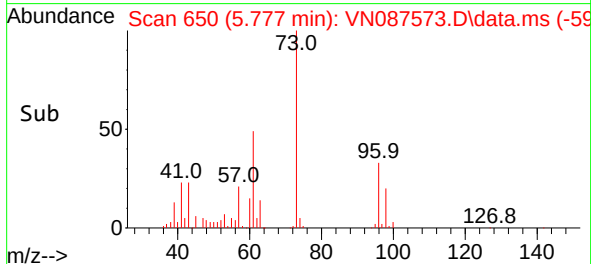
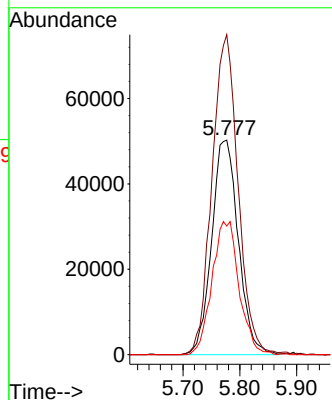
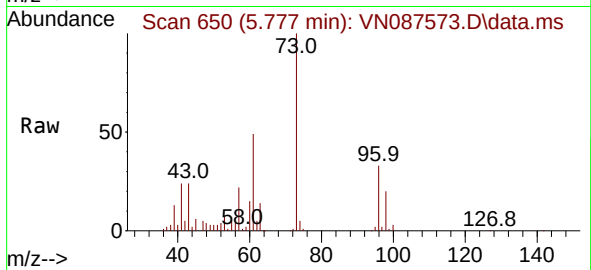
#21
trans-1,2-Dichloroethene
Concen: 51.785 ug/l
RT: 5.777 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 163725
Ion Ratio Lower Upper
96 100
61 149.1 122.0 183.0
98 60.0 50.0 75.0

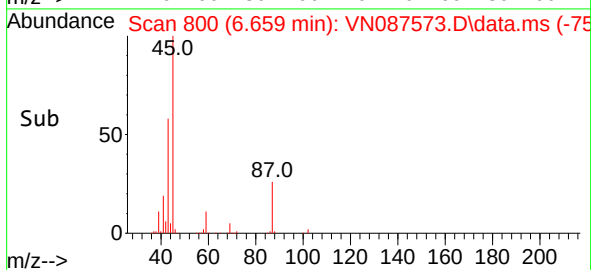
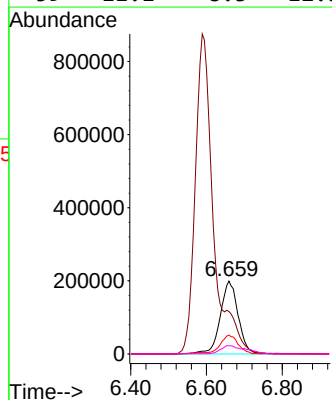
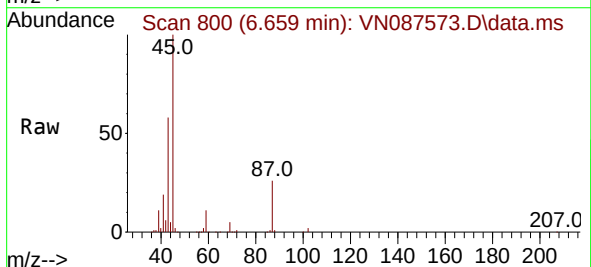
Manual Integrations
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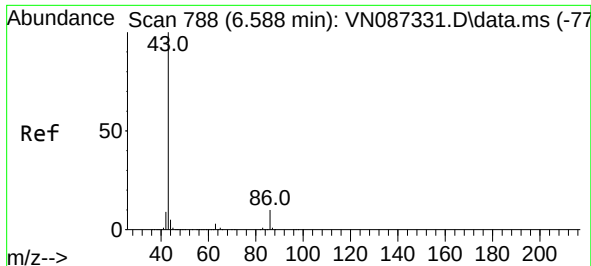
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#22
Diisopropyl ether
Concen: 61.495 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.006 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

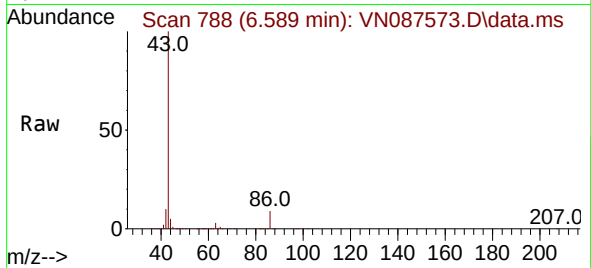
Tgt Ion: 45 Resp: 654568
Ion Ratio Lower Upper
45 100
43 57.6 42.8 64.2
87 25.9 19.8 29.6
59 11.1 8.3 12.5





#23
 Vinyl Acetate
 Concen: 278.594 ug/l m
 RT: 6.589 min Scan# 788
 Delta R.T. 0.001 min
 Lab File: VN087573.D
 Acq: 15 Aug 2025 10:16

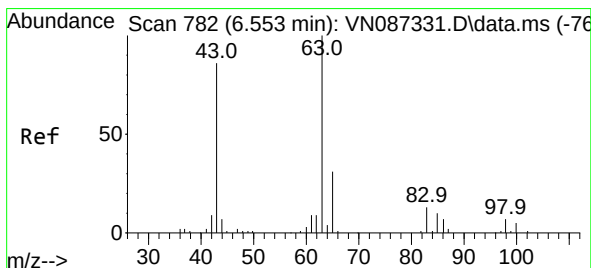
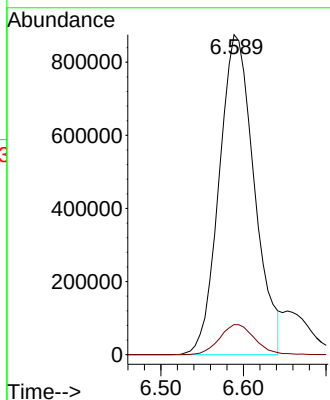
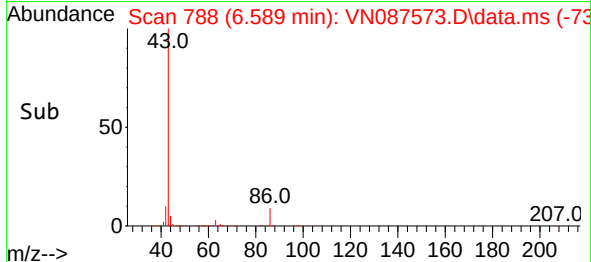
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050



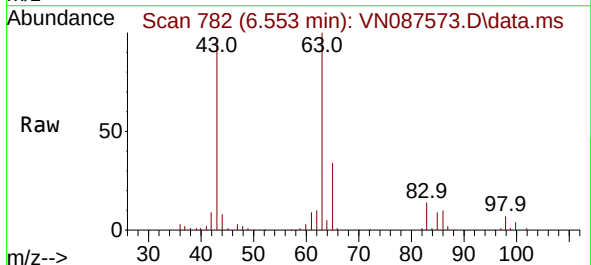
Tgt Ion: 43 Resp: 259355
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.7 11.5

Manual Integrations
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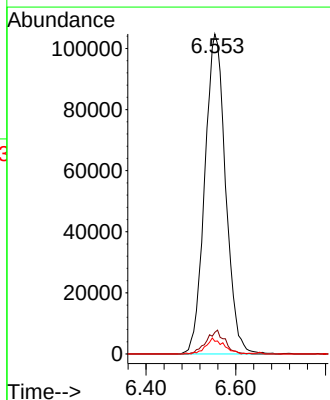
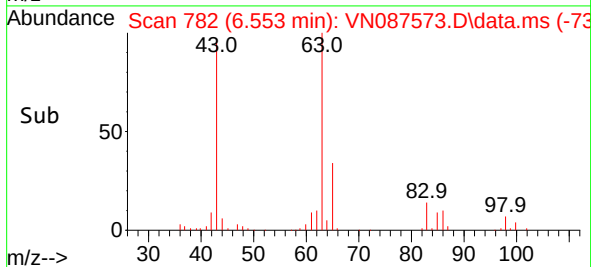
Reviewed By :John Carlone 08/18/2025
 Supervised By :Mahesh Dadoda 08/19/2025

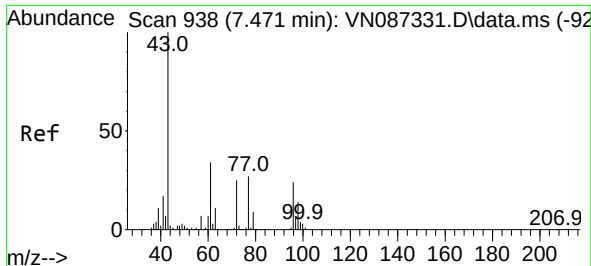


#24
 1,1-Dichloroethane
 Concen: 54.997 ug/l
 RT: 6.553 min Scan# 782
 Delta R.T. 0.000 min
 Lab File: VN087573.D
 Acq: 15 Aug 2025 10:16



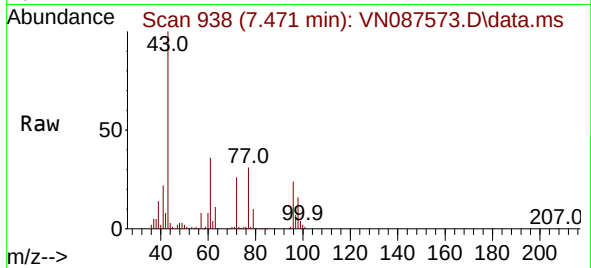
Tgt Ion: 63 Resp: 337733
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.9
 100 3.9 2.5 7.4





#25
2-Butanone
Concen: 280.153 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

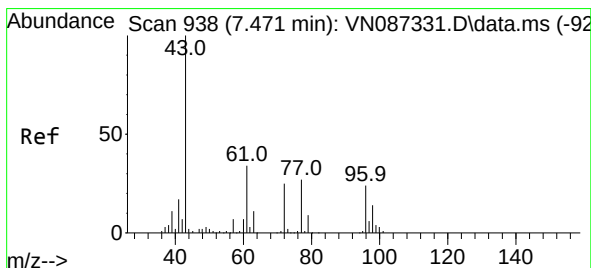
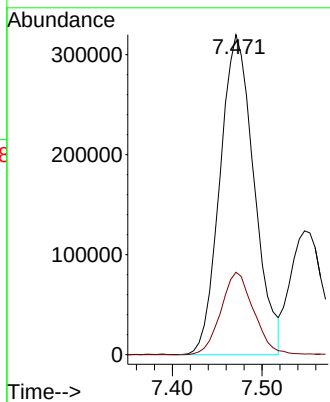
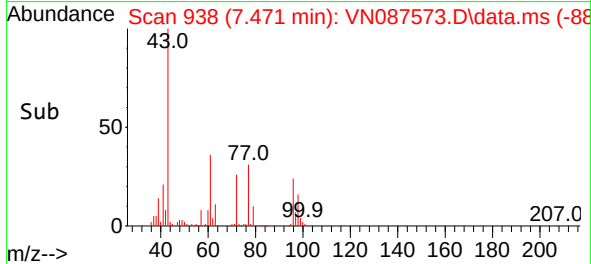
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



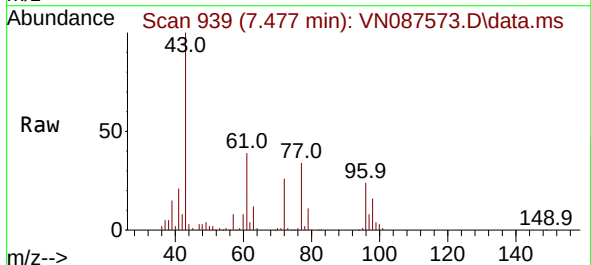
Tgt Ion: 43 Resp: 845738
Ion Ratio Lower Upper
43 100
72 25.8 19.6 29.4

Manual Integrations
APPROVED

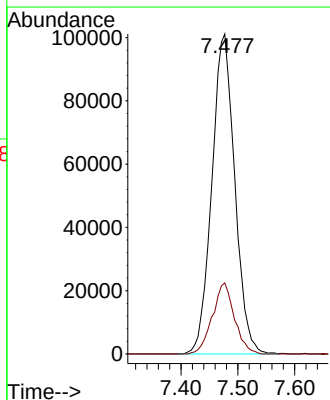
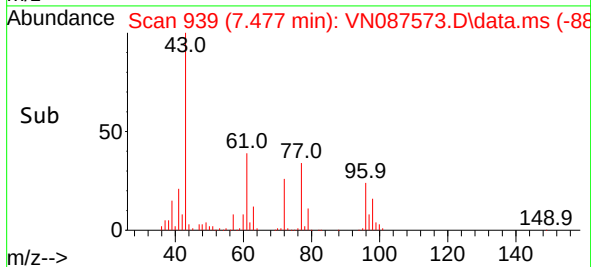
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

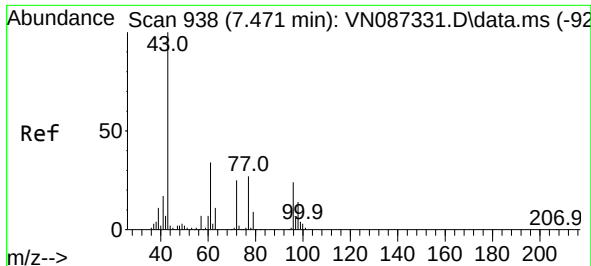


#26
2,2-Dichloropropane
Concen: 59.390 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.006 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16



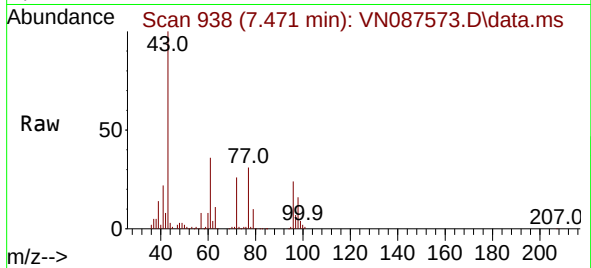
Tgt Ion: 77 Resp: 283554
Ion Ratio Lower Upper
77 100
97 21.3 11.1 33.1





#27
 cis-1,2-Dichloroethene
 Concen: 56.147 ug/l
 RT: 7.471 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VN087573.D
 Acq: 15 Aug 2025 10:16

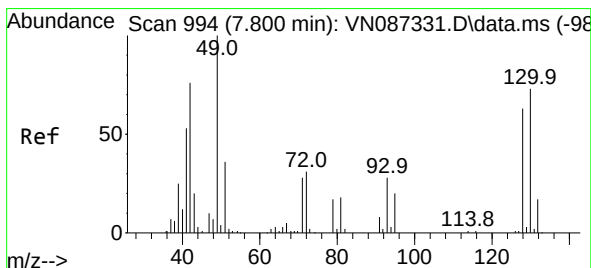
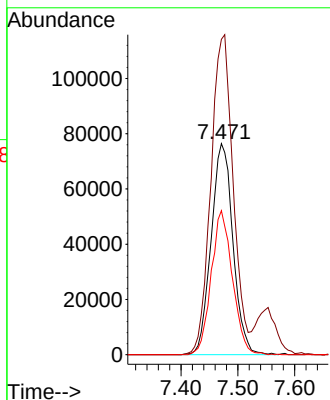
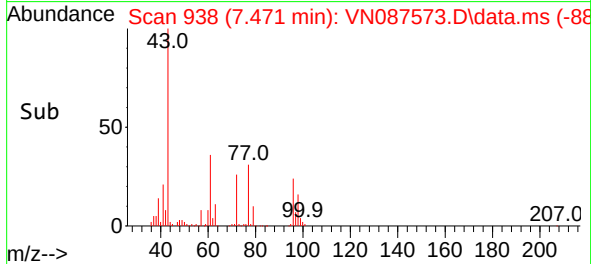
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050



Tgt Ion: 96 Resp: 20437
 Ion Ratio Lower Upper
 96 100
 61 153.9 0.0 297.8
 98 66.1 0.0 132.4

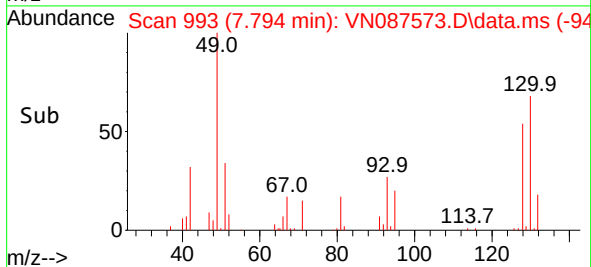
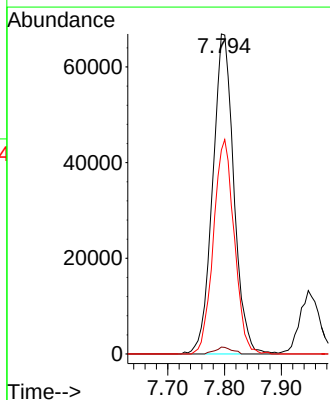
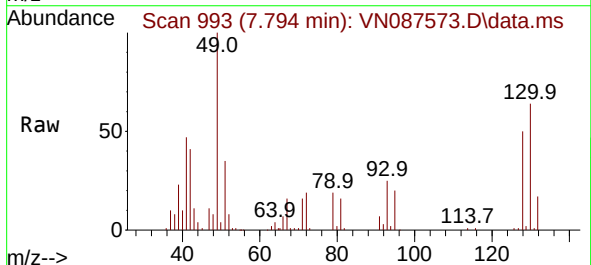
Manual Integrations
 APPROVED

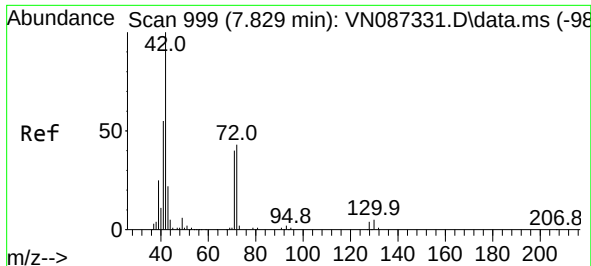
Reviewed By :John Carlone 08/18/2025
 Supervised By :Mahesh Dadoda 08/19/2025



#28
 Bromochloromethane
 Concen: 58.996 ug/l
 RT: 7.794 min Scan# 993
 Delta R.T. -0.006 min
 Lab File: VN087573.D
 Acq: 15 Aug 2025 10:16

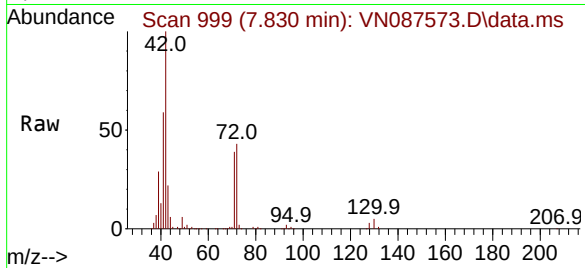
Tgt Ion: 49 Resp: 173390
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 4.2
 130 65.7 57.3 85.9





#29
Tetrahydrofuran
Concen: 280.806 ug/l
RT: 7.830 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

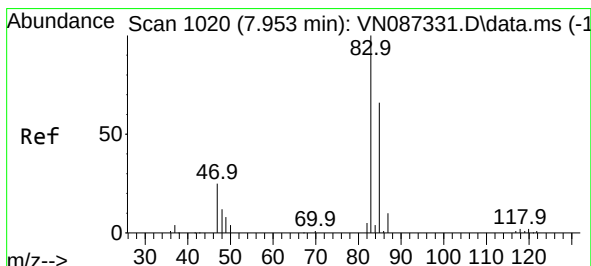
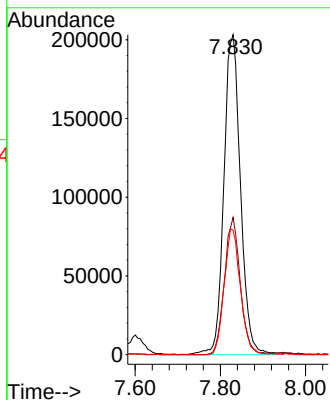
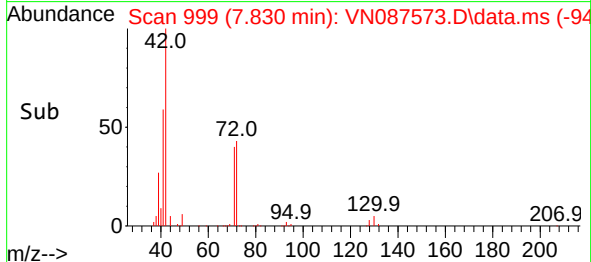
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



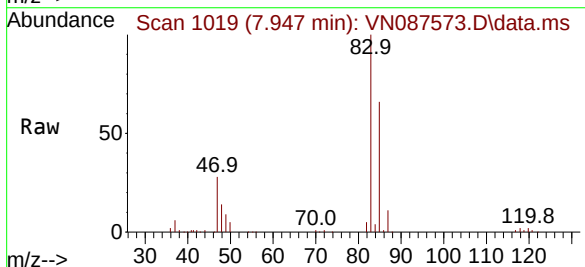
Tgt Ion: 42 Resp: 550690
Ion Ratio Lower Upper
42 100
72 40.9 33.4 50.0
71 38.4 31.2 46.8

Manual Integrations
APPROVED

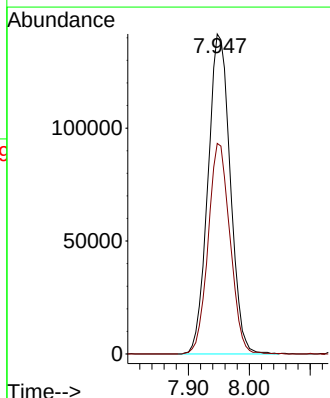
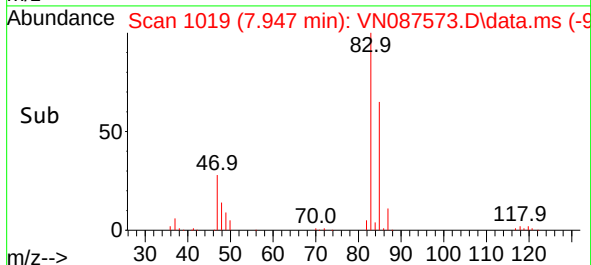
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

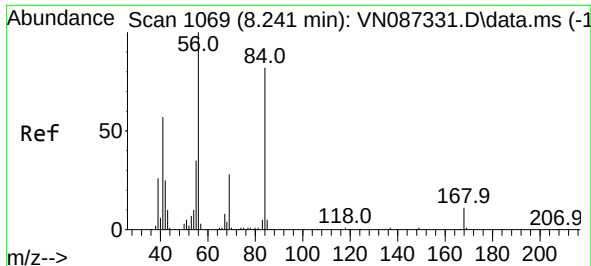


#30
Chloroform
Concen: 58.668 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16



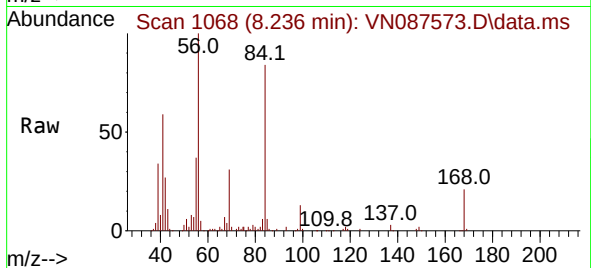
Tgt Ion: 83 Resp: 360614
Ion Ratio Lower Upper
83 100
85 65.8 52.7 79.1





#31
Cyclohexane
Concen: 51.027 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

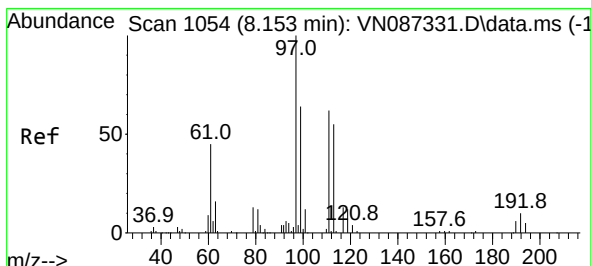
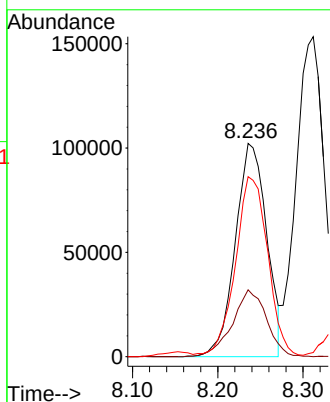
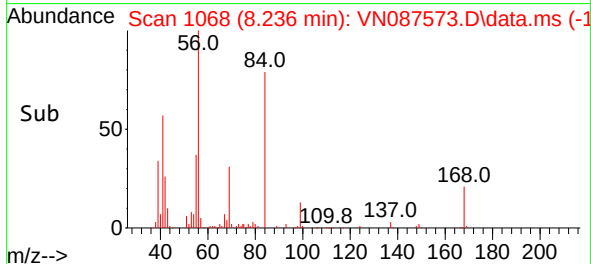
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 56 Resp: 261409
Ion Ratio Lower Upper
56 100
69 31.4 22.7 34.1
84 82.0 65.8 98.6

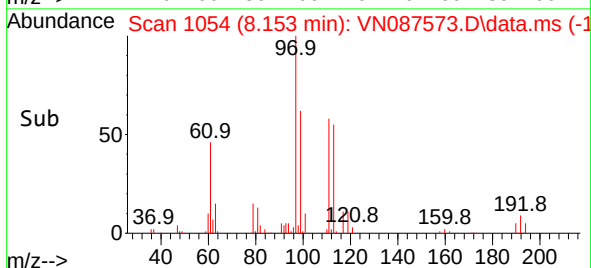
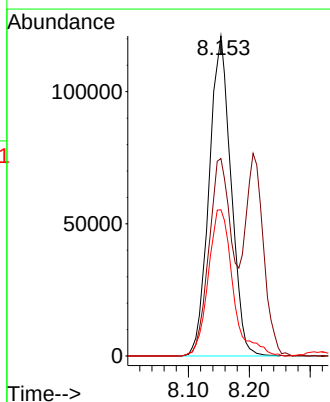
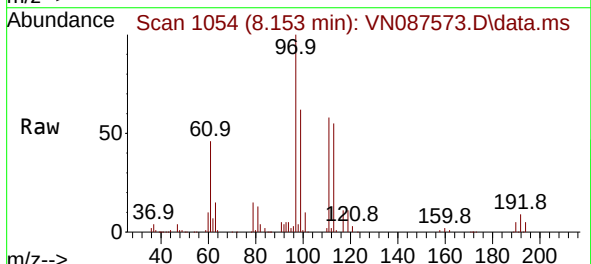
Manual Integrations
APPROVED

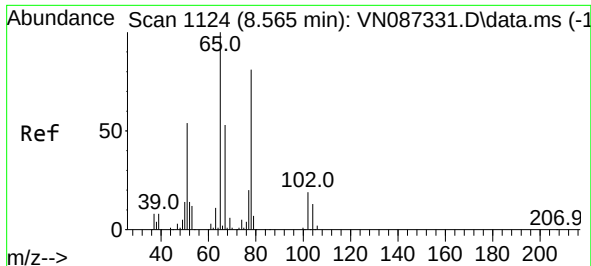
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#32
1,1,1-Trichloroethane
Concen: 56.776 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

Tgt Ion: 97 Resp: 302264
Ion Ratio Lower Upper
97 100
99 65.1 51.8 77.8
61 51.7 38.7 58.1





#33

1,2-Dichloroethane-d4

Concen: 59.051 ug/l

RT: 8.559 min Scan# 1124

Delta R.T. -0.006 min

Lab File: VN087573.D

Acq: 15 Aug 2025 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDC050

Tgt Ion: 65 Resp: 246070

Ion Ratio Lower Upper

65 100

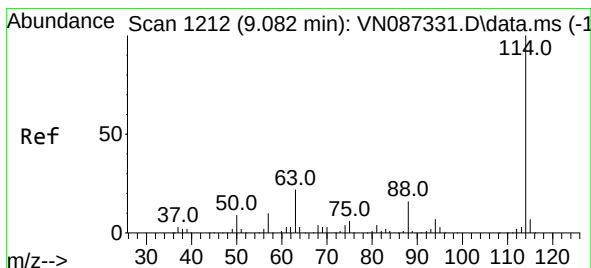
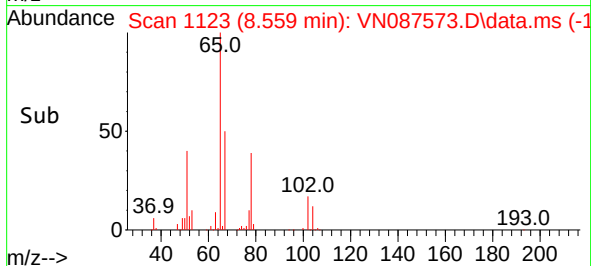
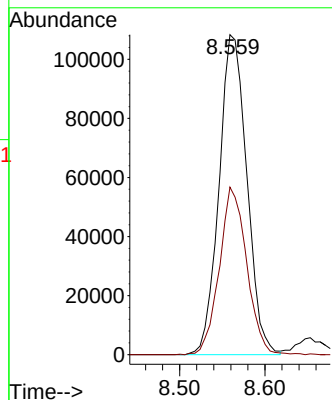
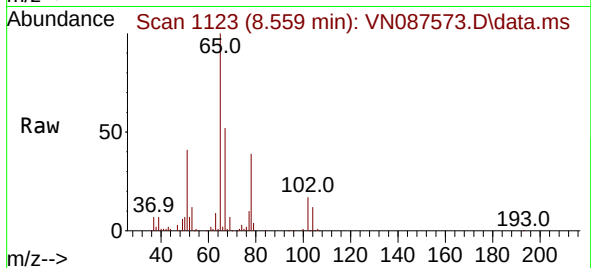
67 51.5 0.0 104.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2025

Supervised By :Mahesh Dadoda 08/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.001 min

Lab File: VN087573.D

Acq: 15 Aug 2025 10:16

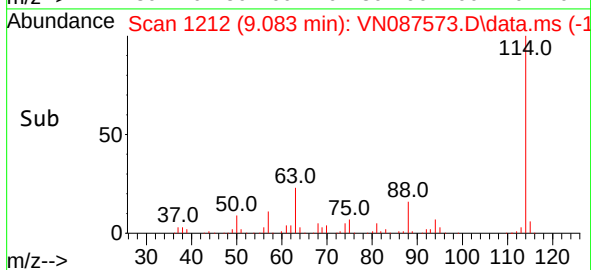
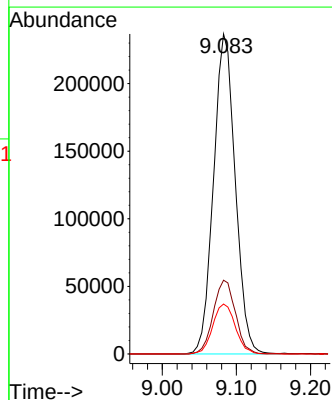
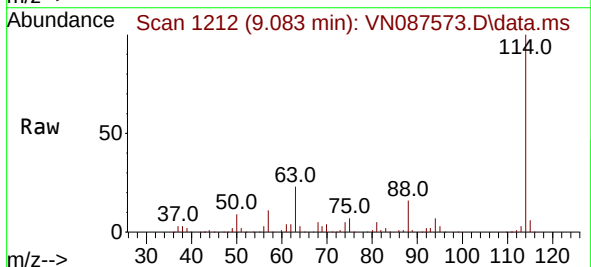
Tgt Ion:114 Resp: 482039

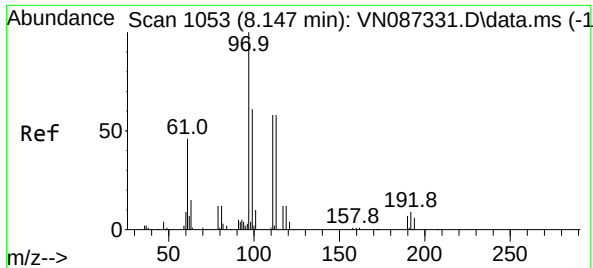
Ion Ratio Lower Upper

114 100

63 23.0 0.0 44.6

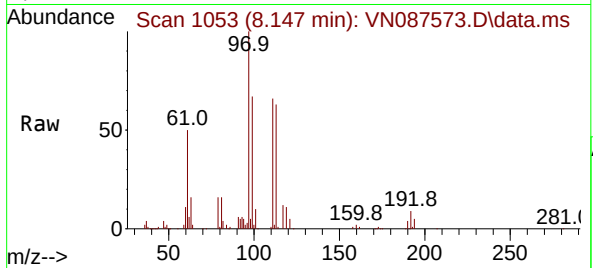
88 15.6 0.0 32.8





#35
Dibromofluoromethane
Concen: 51.539 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

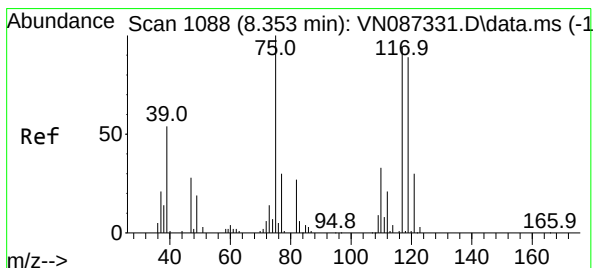
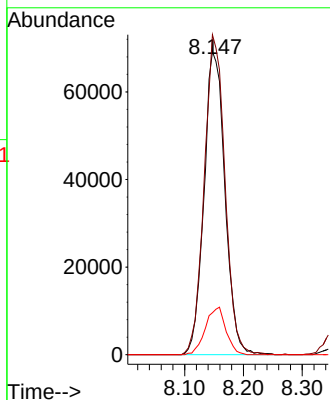
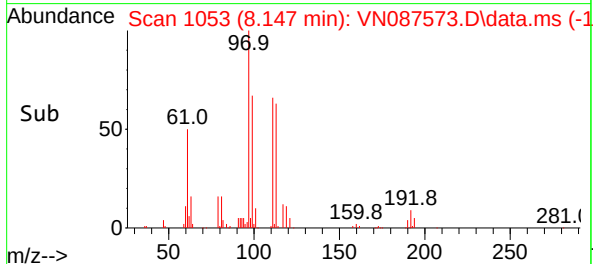
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 113 Resp: 17137
Ion Ratio Lower Upper
113 100
111 104.4 82.5 123.7
192 15.3 13.7 20.5

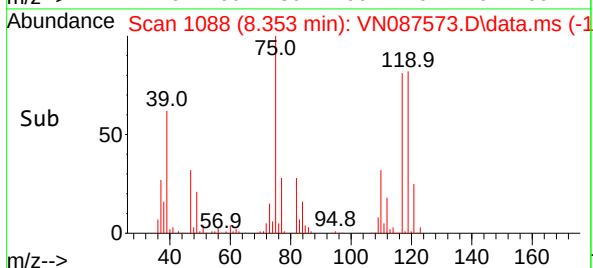
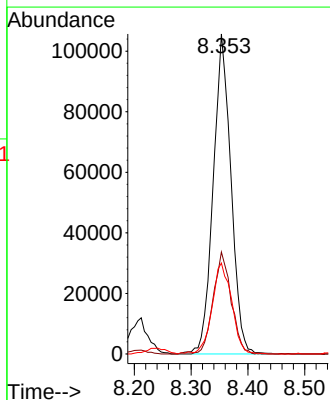
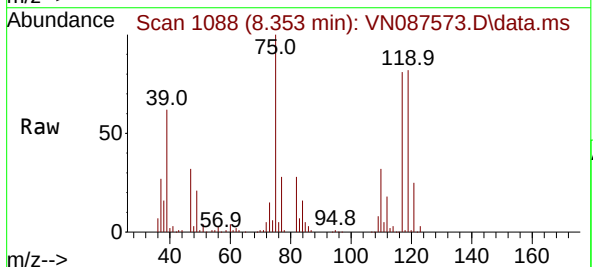
Manual Integrations
APPROVED

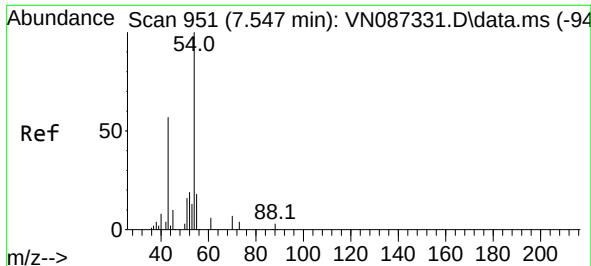
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#36
1,1-Dichloropropene
Concen: 52.267 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

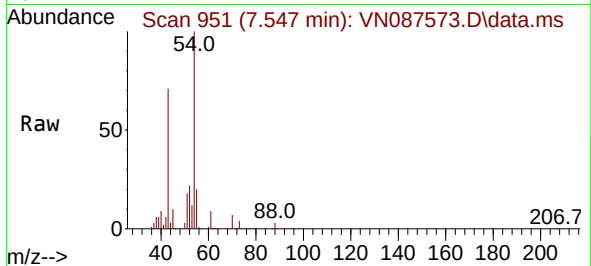
Tgt Ion: 75 Resp: 229611
Ion Ratio Lower Upper
75 100
110 32.2 16.7 50.1
77 31.4 25.2 37.8





#37
Ethyl Acetate
Concen: 51.325 ug/l
RT: 7.547 min Scan# 951
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

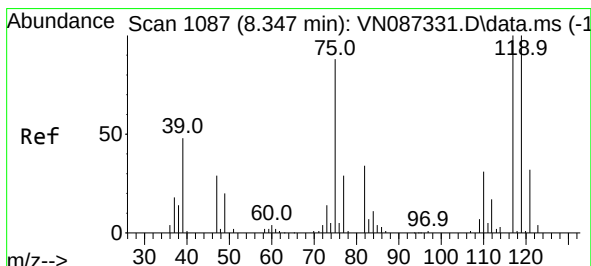
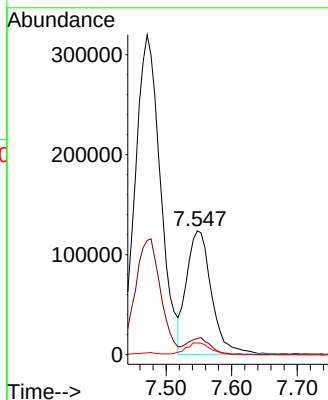
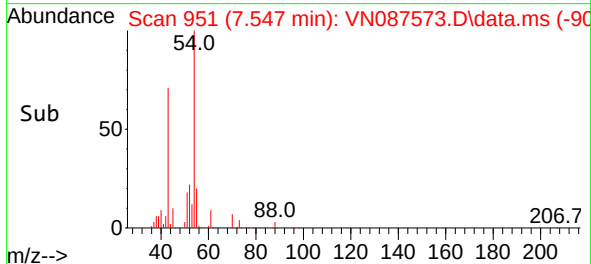
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 325639
Ion Ratio Lower Upper
43 100
61 12.5 10.9 16.3
70 9.5 7.4 11.0

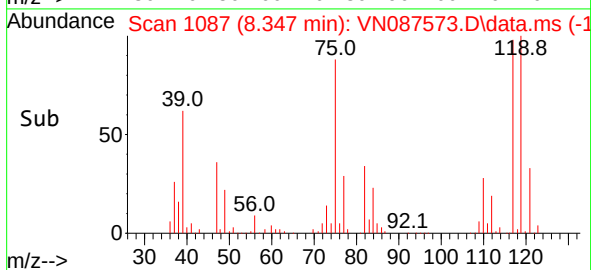
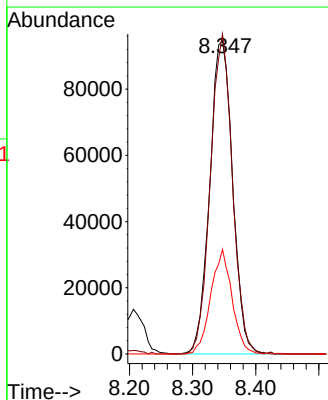
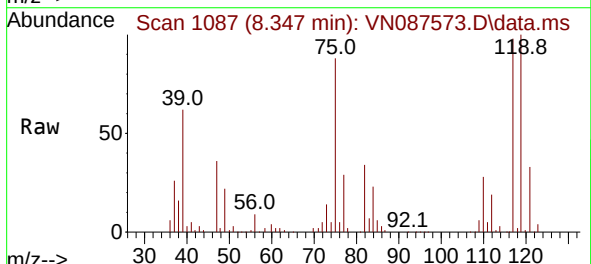
Manual Integrations
APPROVED

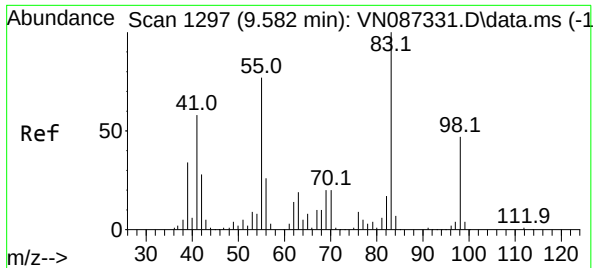
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#38
Carbon Tetrachloride
Concen: 49.310 ug/l
RT: 8.347 min Scan# 1087
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

Tgt Ion:117 Resp: 238627
Ion Ratio Lower Upper
117 100
119 102.1 80.2 120.2
121 33.4 25.4 38.2





#39

Methylcyclohexane

Concen: 51.801 ug/l

RT: 9.583 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN087573.D

Acq: 15 Aug 2025 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 246370

Ion Ratio Lower Upper

83 100

55 82.3 61.3 91.9

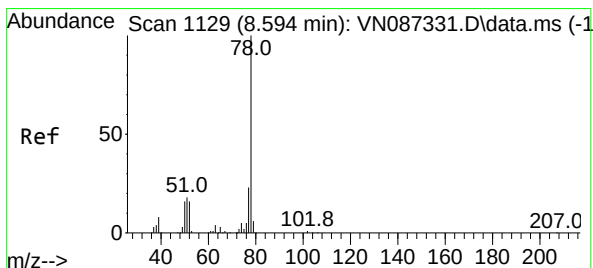
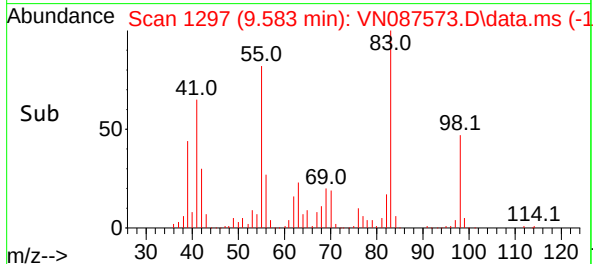
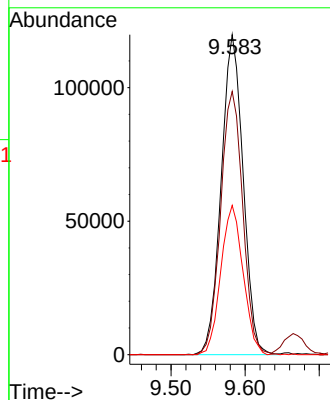
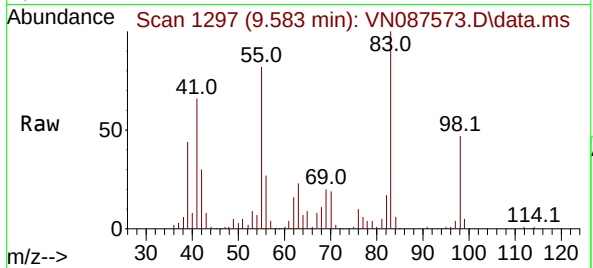
98 46.7 37.9 56.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2025

Supervised By :Mahesh Dadoda 08/19/2025



#40

Benzene

Concen: 51.930 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087573.D

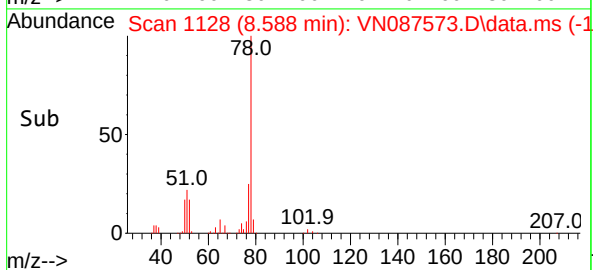
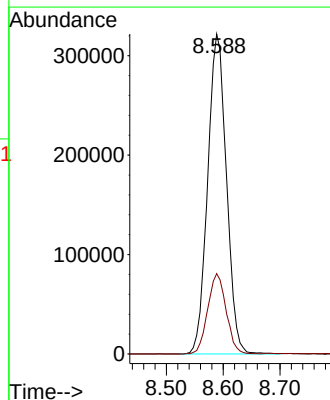
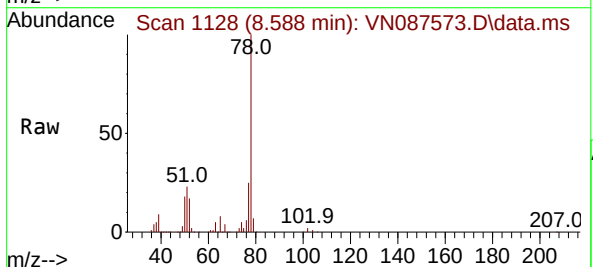
Acq: 15 Aug 2025 10:16

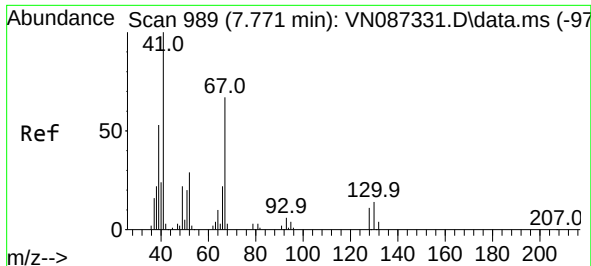
Tgt Ion: 78 Resp: 737316

Ion Ratio Lower Upper

78 100

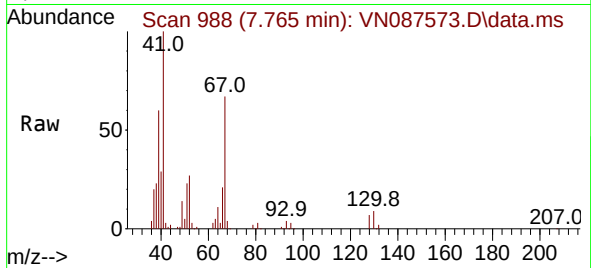
77 25.1 18.2 27.2





#41
Methacrylonitrile
Concen: 56.181 ug/l
RT: 7.765 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

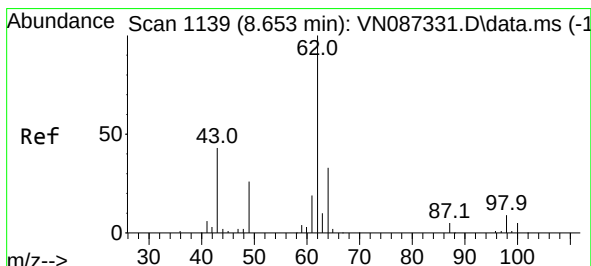
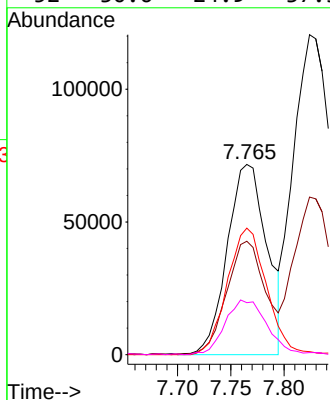
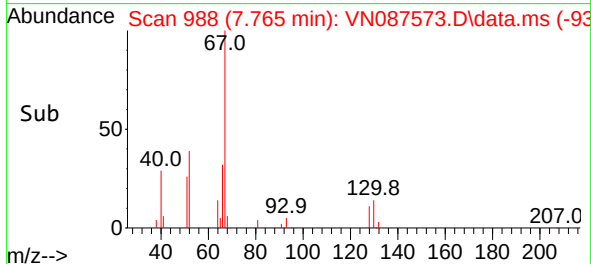
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 41 Resp: 186380
Ion Ratio Lower Upper
41 100
39 58.5 43.4 65.0
67 65.9 55.1 82.7
52 30.6 24.9 37.3

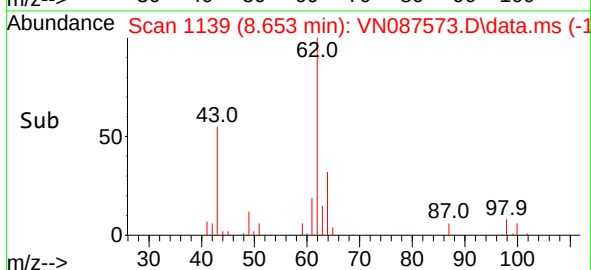
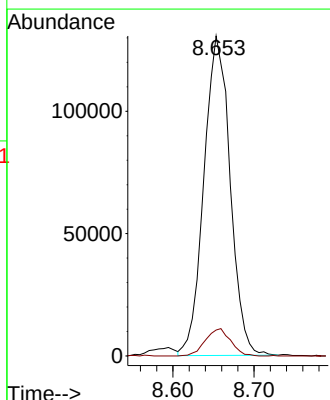
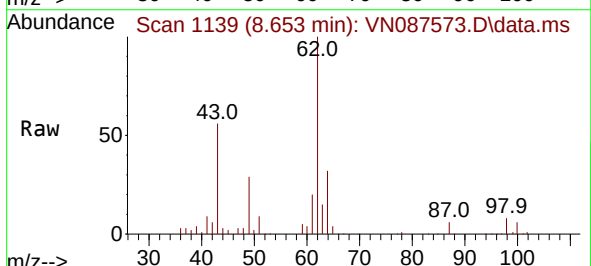
Manual Integrations
APPROVED

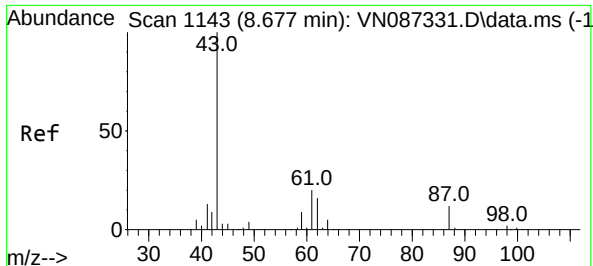
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#42
1,2-Dichloroethane
Concen: 54.445 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

Tgt Ion: 62 Resp: 293150
Ion Ratio Lower Upper
62 100
98 8.2 0.0 18.0





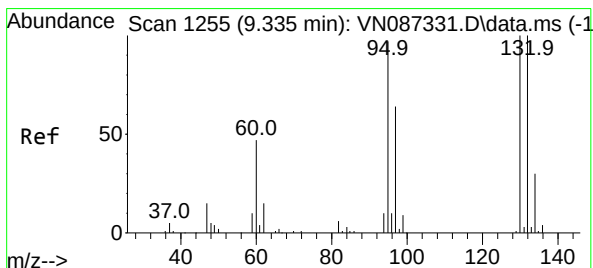
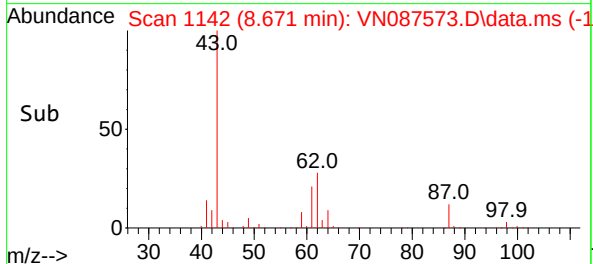
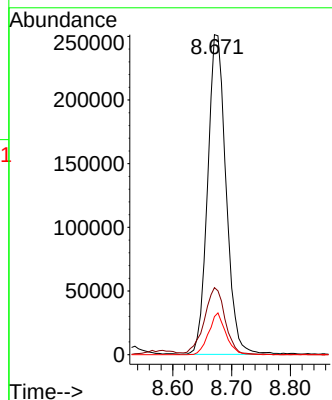
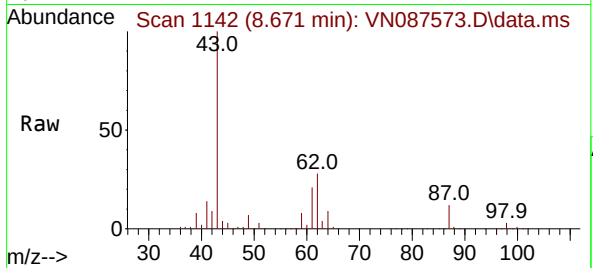
#43
Isopropyl Acetate
Concen: 55.317 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 54481
Ion Ratio Lower Upper
43 100
61 23.6 19.8 29.8
87 12.2 9.8 14.6

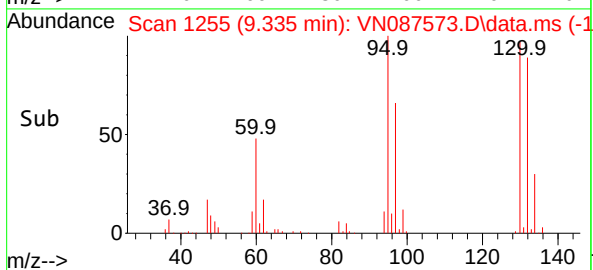
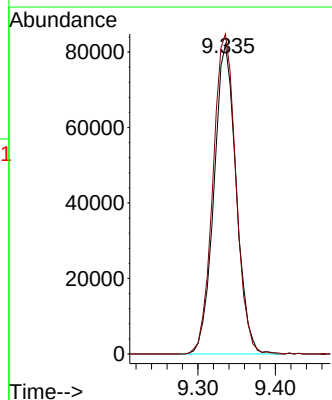
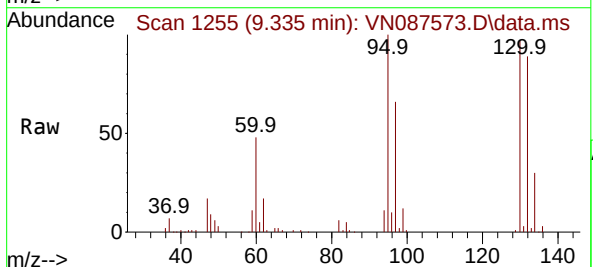
Manual Integrations
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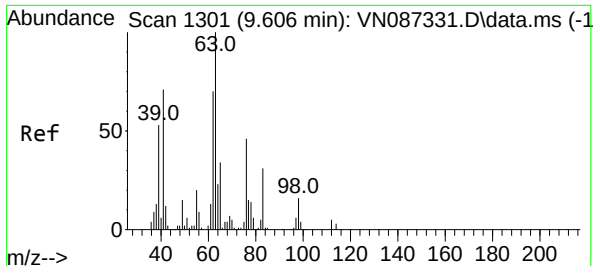
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#44
Trichloroethene
Concen: 48.781 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

Tgt Ion:130 Resp: 163654
Ion Ratio Lower Upper
130 100
95 103.4 0.0 195.2





#45

1,2-Dichloropropane

Concen: 53.950 ug/l

RT: 9.600 min Scan# 1301

Delta R.T. -0.006 min

Lab File: VN087573.D

Acq: 15 Aug 2025 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 194632

Ion Ratio Lower Upper

63 100

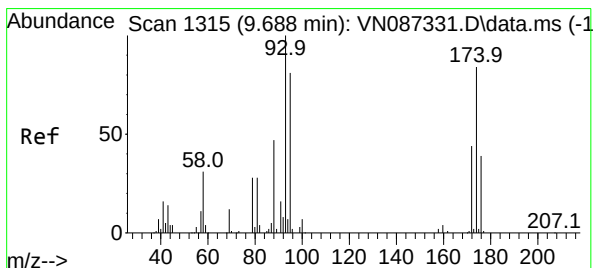
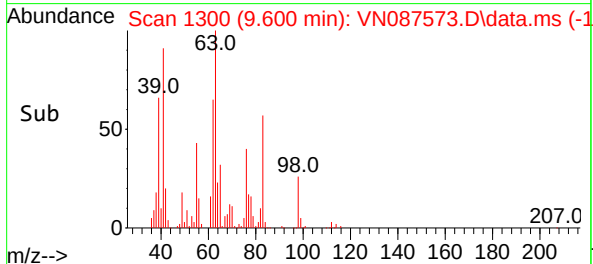
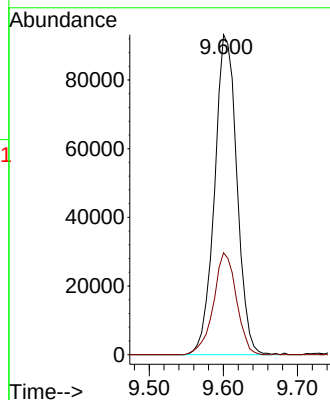
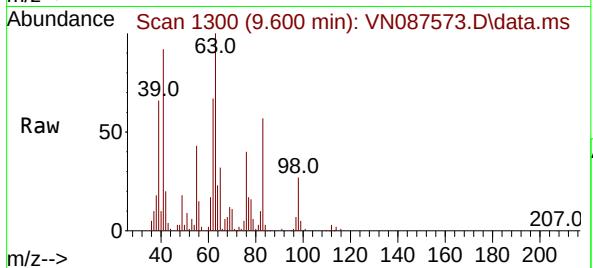
65 31.9 27.0 40.4

Manual Integrations

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Reviewed By :John Carlone 08/18/2025

Supervised By :Mahesh Dadoda 08/19/2025



#46

Dibromomethane

Concen: 52.508 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN087573.D

Acq: 15 Aug 2025 10:16

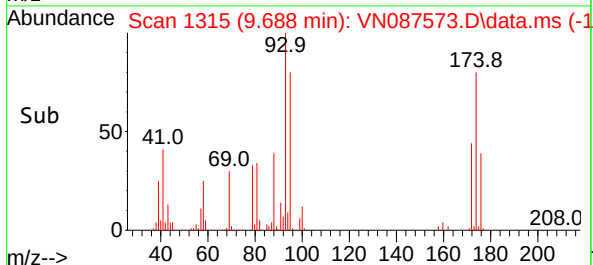
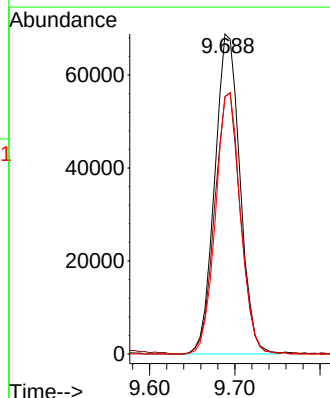
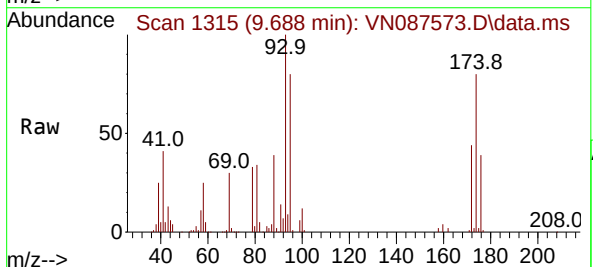
Tgt Ion: 93 Resp: 141832

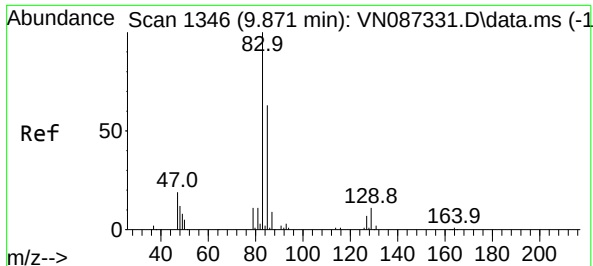
Ion Ratio Lower Upper

93 100

95 82.8 65.8 98.8

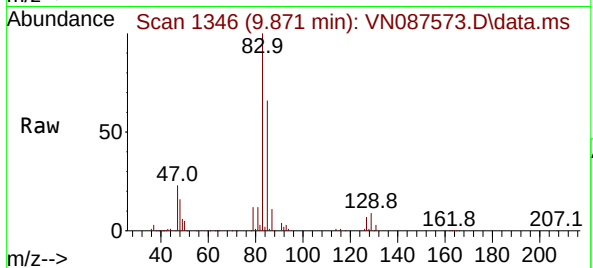
174 80.6 69.9 104.9





#47
Bromodichloromethane
Concen: 53.953 ug/l
RT: 9.871 min Scan# 1346
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

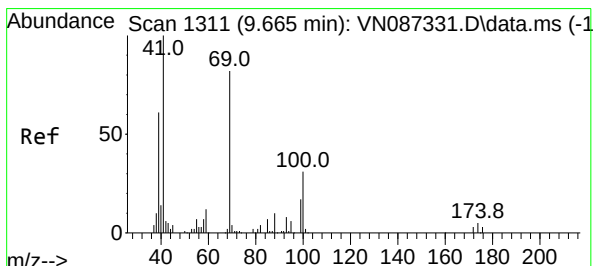
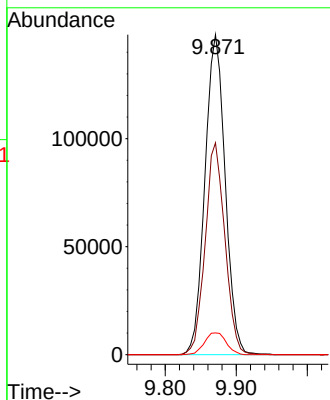
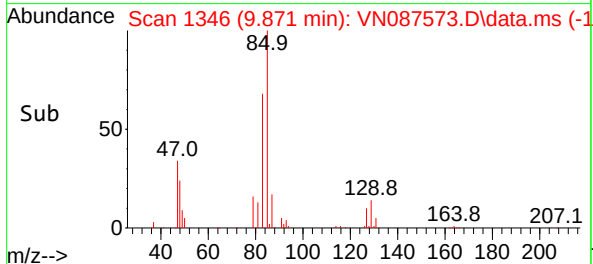
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



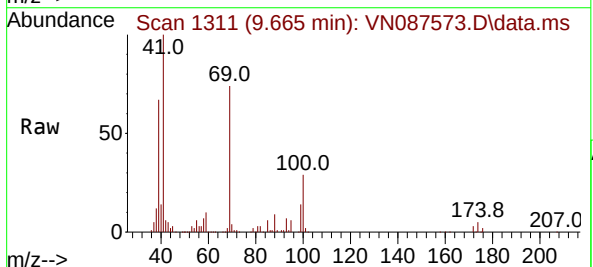
Tgt Ion: 83 Resp: 293550
Ion Ratio Lower Upper
83 100
85 66.2 50.4 75.6
127 6.8 5.8 8.8

Manual Integrations
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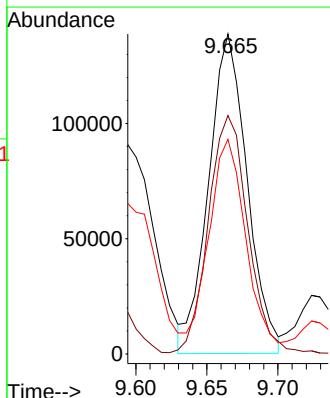
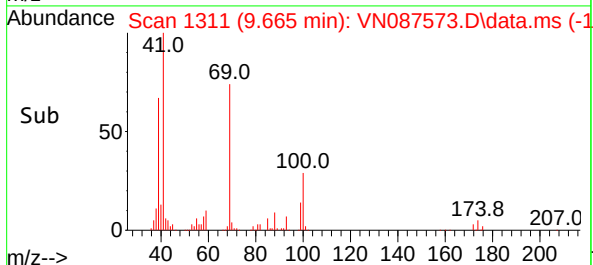
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

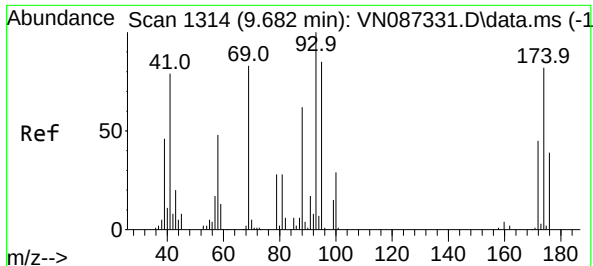


#48
Methyl methacrylate
Concen: 59.006 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16



Tgt Ion: 41 Resp: 261626
Ion Ratio Lower Upper
41 100
69 76.3 64.1 96.1
39 64.5 45.5 68.3





#49

1,4-Dioxane

Concen: 992.637 ug/l

RT: 9.683 min Scan# 1314

Delta R.T. 0.001 min

Lab File: VN087573.D

Acq: 15 Aug 2025 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 67410

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

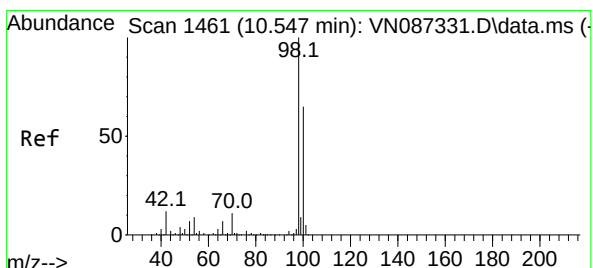
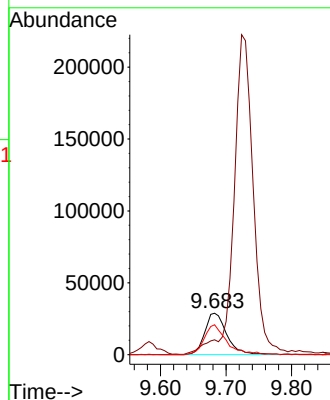
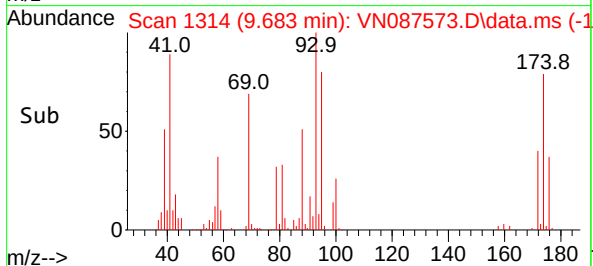
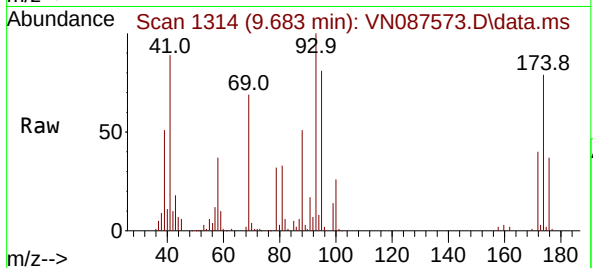
58 73.8 61.1 91.7

Manual Integrations

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Reviewed By :John Carlone 08/18/2025

Supervised By :Mahesh Dadoda 08/19/2025



#50

Toluene-d8

Concen: 52.413 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087573.D

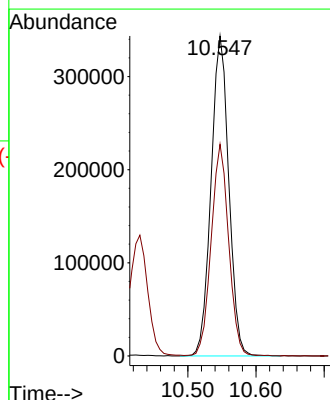
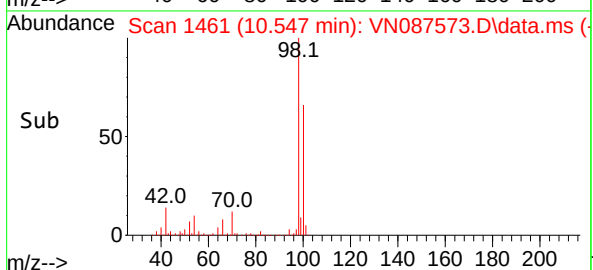
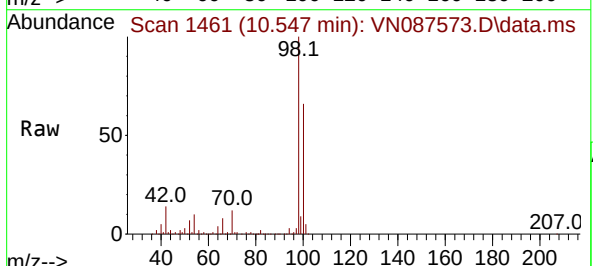
Acq: 15 Aug 2025 10:16

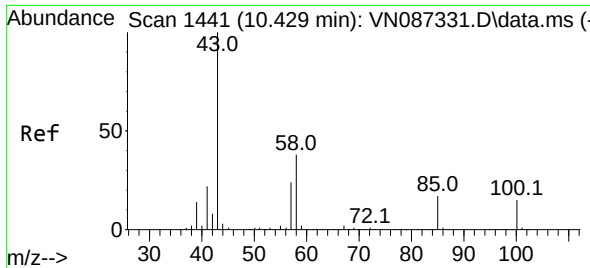
Tgt Ion: 98 Resp: 621670

Ion Ratio Lower Upper

98 100

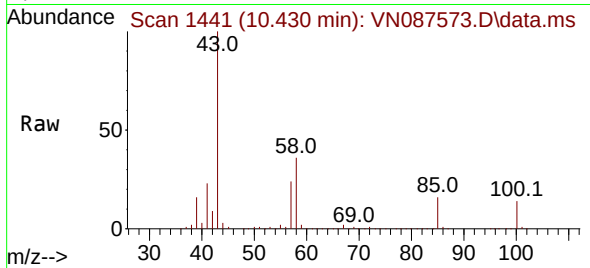
100 65.2 52.1 78.1





#51
4-Methyl-2-Pentanone
Concen: 273.561 ug/l
RT: 10.430 min Scan# 1441
Delta R.T. 0.001 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

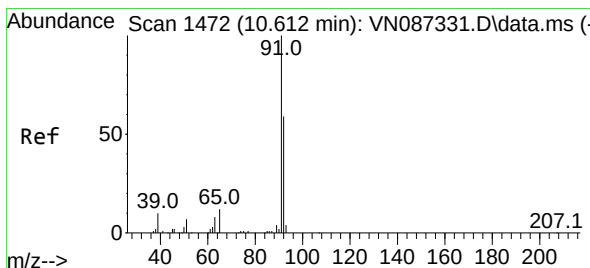
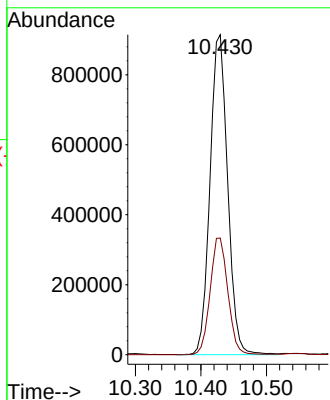
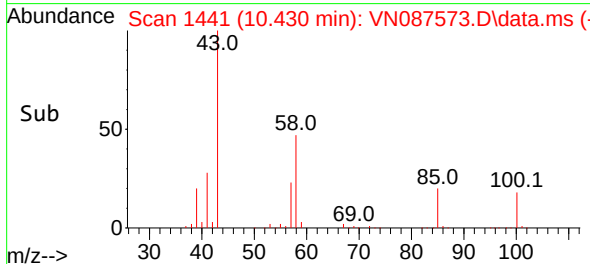
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



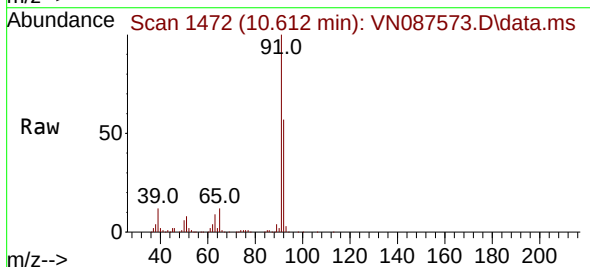
Tgt Ion: 43 Resp: 170408
Ion Ratio Lower Upper
43 100
58 36.7 30.8 46.2

Manual Integrations
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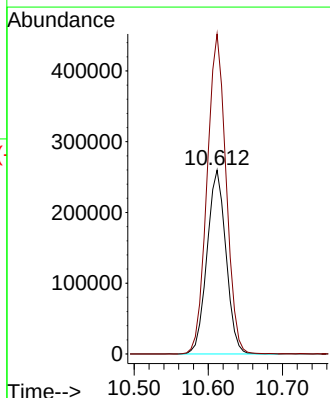
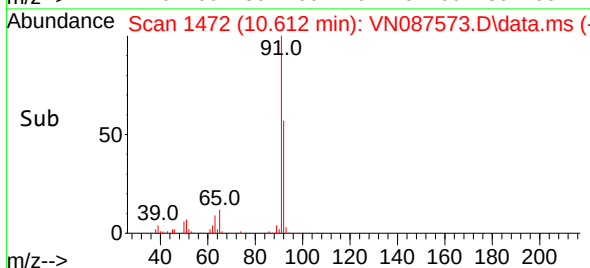
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

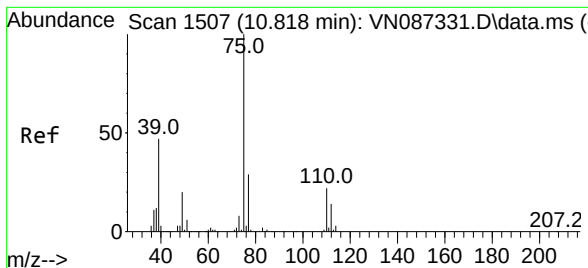


#52
Toluene
Concen: 53.378 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16



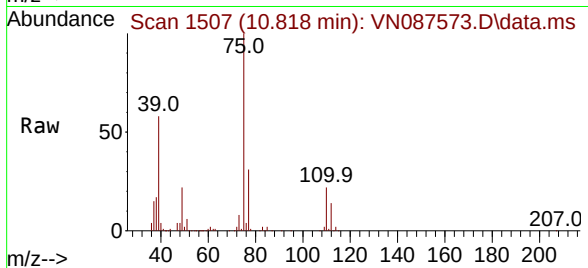
Tgt Ion: 92 Resp: 460656
Ion Ratio Lower Upper
92 100
91 174.6 135.1 202.7





#53
 t-1,3-Dichloropropene
 Concen: 55.942 ug/l
 RT: 10.818 min Scan# 1107
 Delta R.T. -0.000 min
 Lab File: VN087573.D
 Acq: 15 Aug 2025 10:16

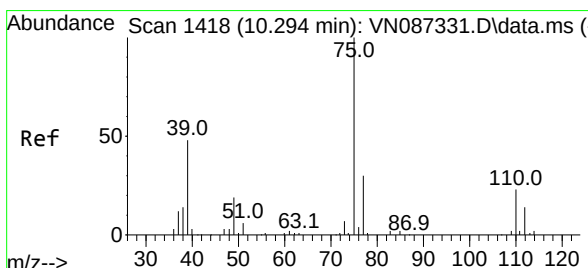
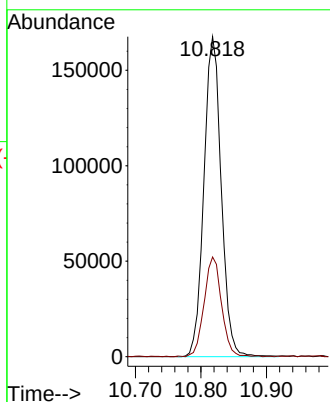
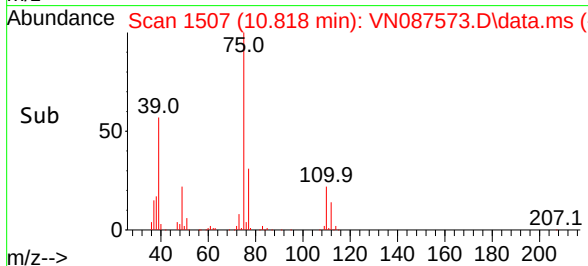
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050



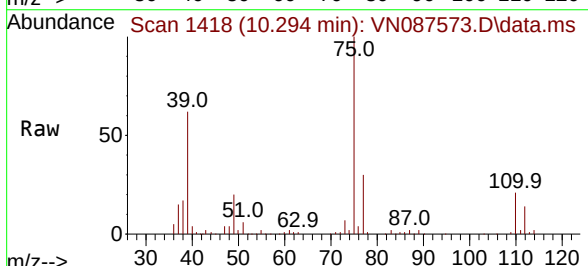
Tgt Ion: 75 Resp: 308030
 Ion Ratio Lower Upper
 75 100
 77 31.0 23.6 35.4

Manual Integrations
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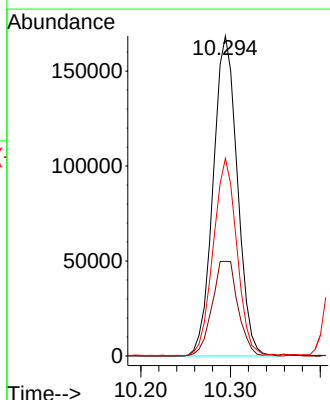
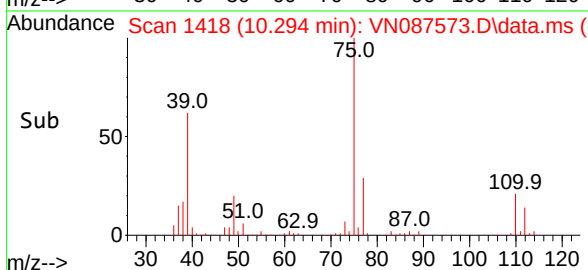
Reviewed By :John Carlone 08/18/2025
 Supervised By :Mahesh Dadoda 08/19/2025

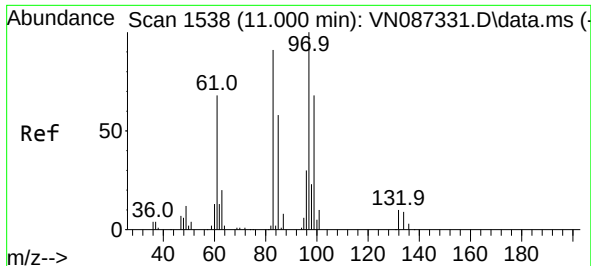


#54
 cis-1,3-Dichloropropene
 Concen: 55.452 ug/l
 RT: 10.294 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: VN087573.D
 Acq: 15 Aug 2025 10:16



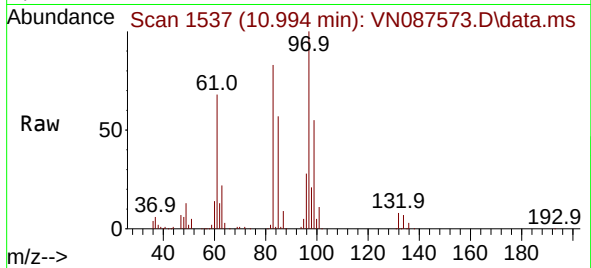
Tgt Ion: 75 Resp: 315398
 Ion Ratio Lower Upper
 75 100
 77 29.6 24.2 36.2
 39 61.5 38.4 57.6#





#55
1,1,2-Trichloroethane
Concen: 53.258 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. -0.006 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

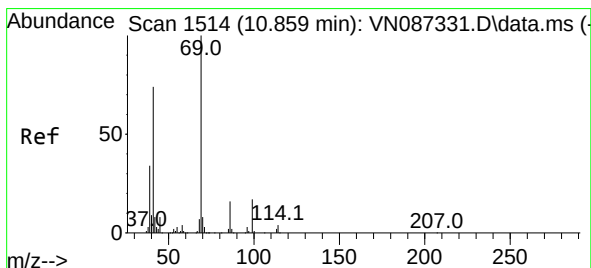
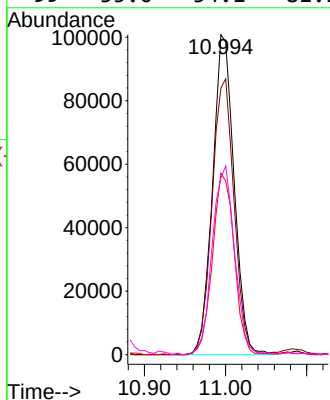
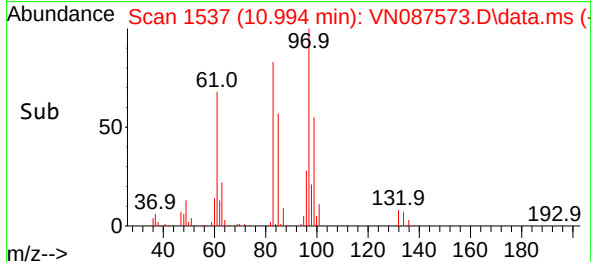
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 97 Resp: 18607
Ion Ratio Lower Upper
97 100
83 83.3 72.6 109.0
85 56.3 46.7 70.1
99 55.0 54.1 81.1

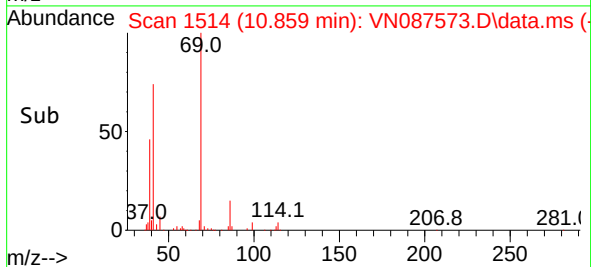
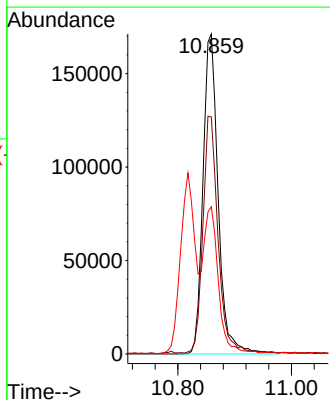
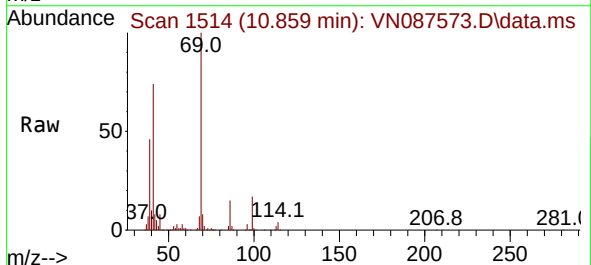
Manual Integrations
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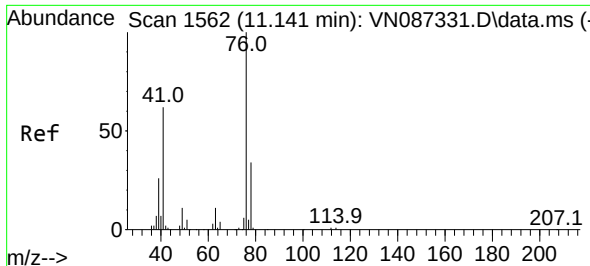
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#56
Ethyl methacrylate
Concen: 53.760 ug/l
RT: 10.859 min Scan# 1514
Delta R.T. -0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

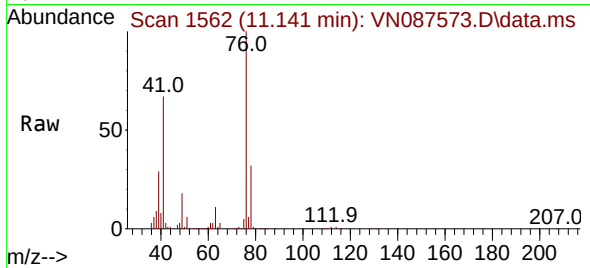
Tgt Ion: 69 Resp: 316843
Ion Ratio Lower Upper
69 100
41 73.5 55.1 82.7
39 46.1 27.9 41.9#





#57
1,3-Dichloropropane
Concen: 53.998 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

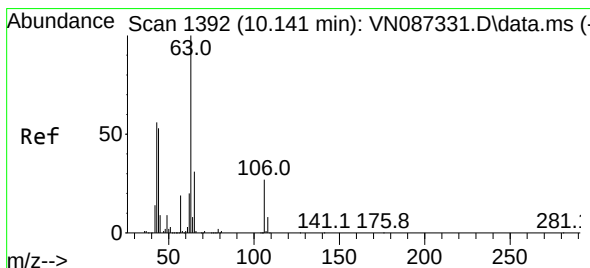
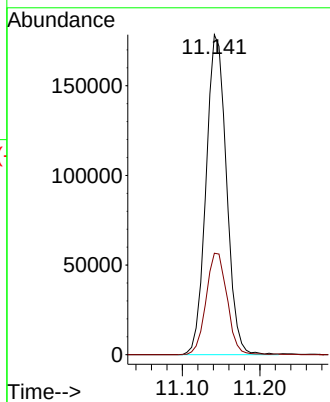
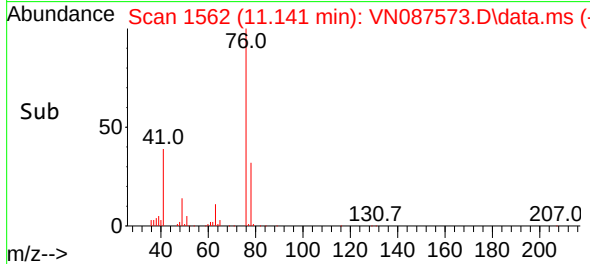
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



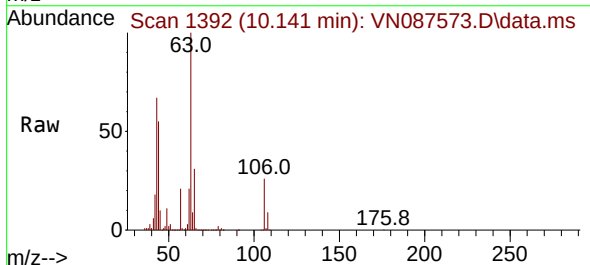
Tgt Ion: 76 Resp: 326190
Ion Ratio Lower Upper
76 100
78 32.7 26.0 39.0

Manual Integrations
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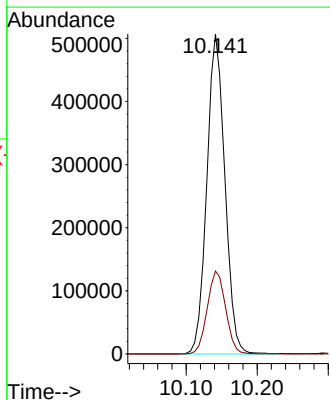
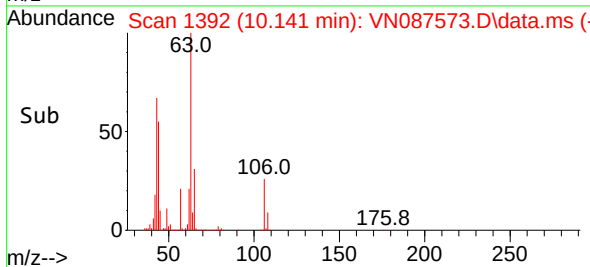
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

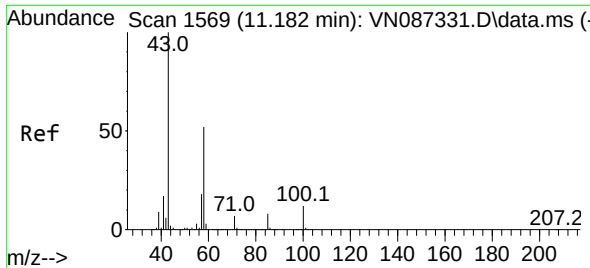


#58
2-Chloroethyl Vinyl ether
Concen: 311.911 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16



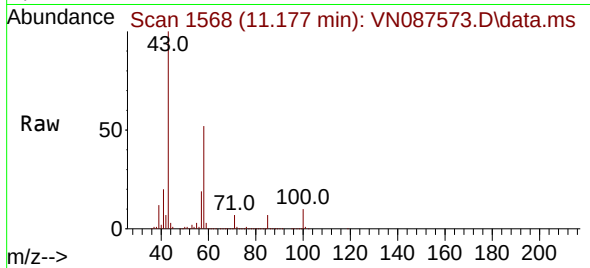
Tgt Ion: 63 Resp: 893965
Ion Ratio Lower Upper
63 100
106 26.4 21.7 32.5





#59
2-Hexanone
Concen: 281.869 ug/l
RT: 11.177 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

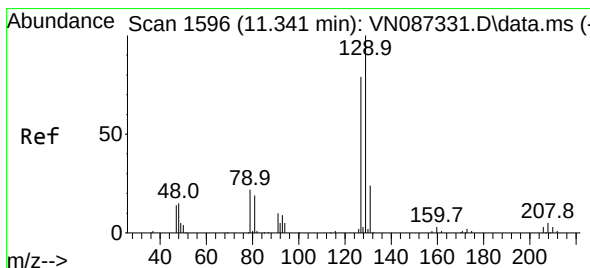
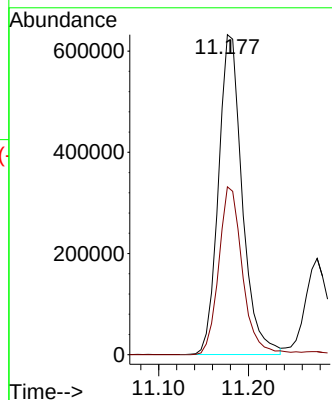
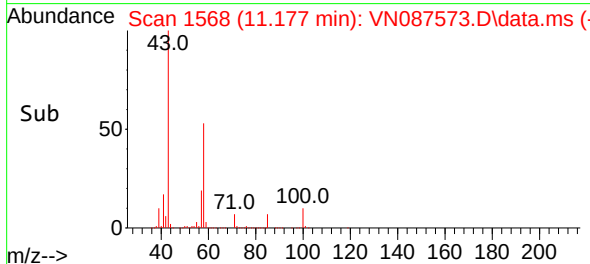
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 116492
Ion Ratio Lower Upper
43 100
58 52.7 26.7 80.0

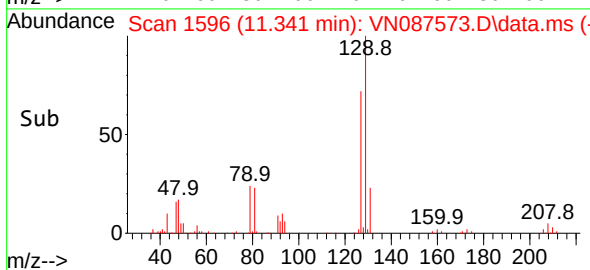
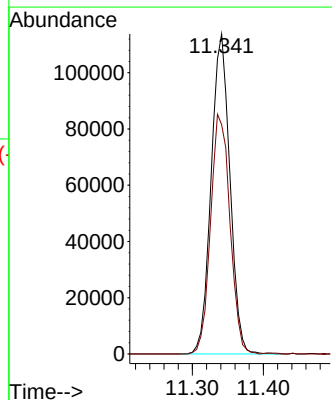
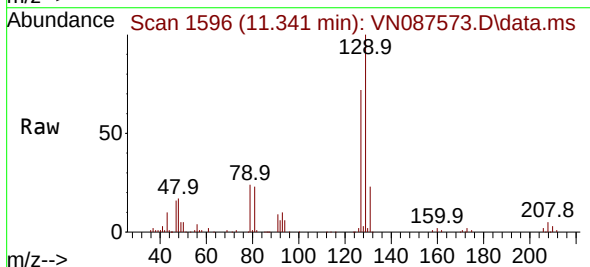
Manual Integrations
APPROVED

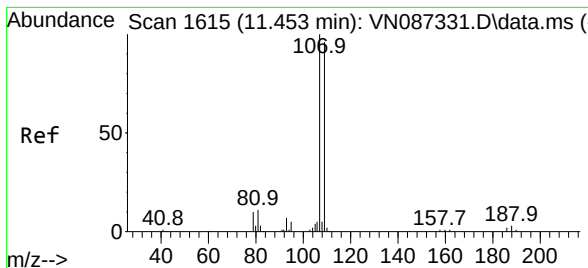
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#60
Dibromochloromethane
Concen: 52.269 ug/l
RT: 11.341 min Scan# 1596
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

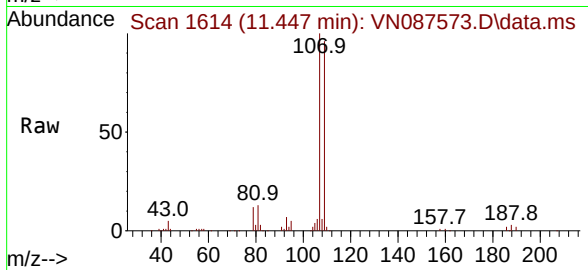
Tgt Ion:129 Resp: 208269
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.5





#61
1,2-Dibromoethane
Concen: 52.250 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. -0.006 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

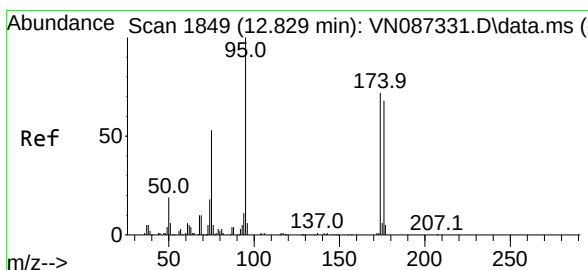
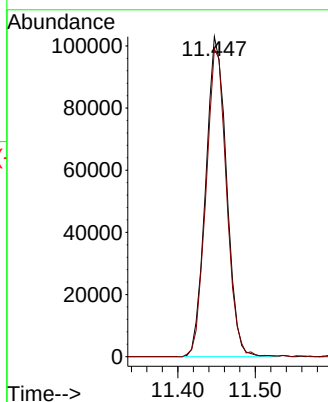
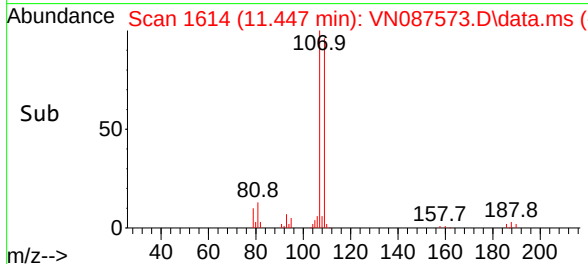
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:107 Resp: 19194
Ion Ratio Lower Upper
107 100
109 95.0 77.5 116.3

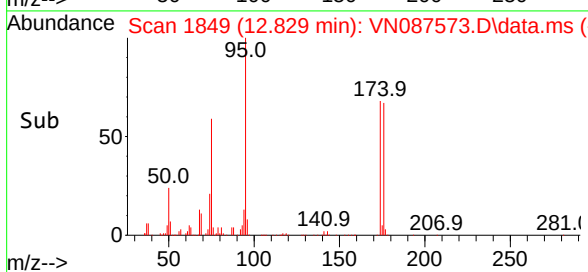
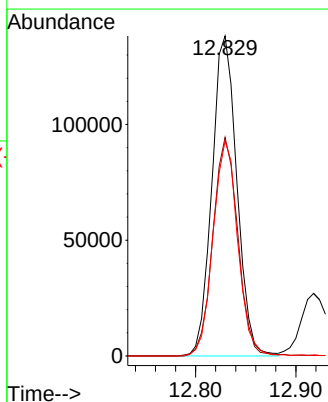
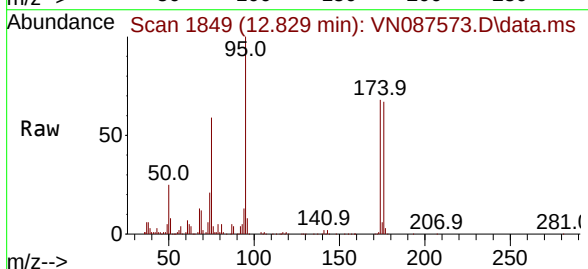
Manual Integrations
APPROVED

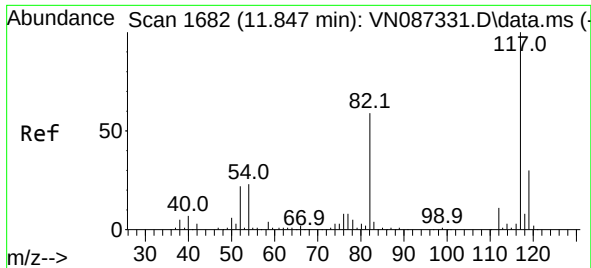
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#62
4-Bromofluorobenzene
Concen: 54.455 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

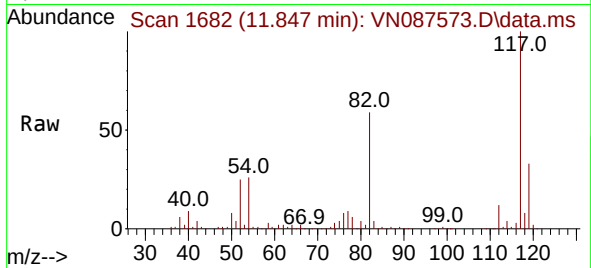
Tgt Ion: 95 Resp: 238626
Ion Ratio Lower Upper
95 100
174 68.4 0.0 149.4
176 66.7 0.0 141.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

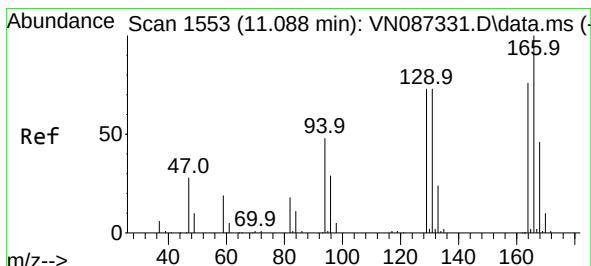
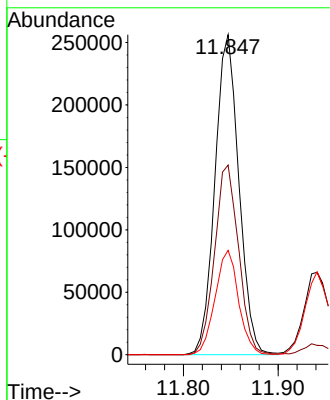
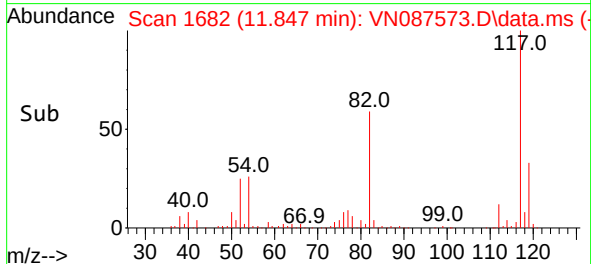
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:117 Resp: 450948
Ion Ratio Lower Upper
117 100
82 59.3 47.4 71.2
119 32.6 23.8 35.8

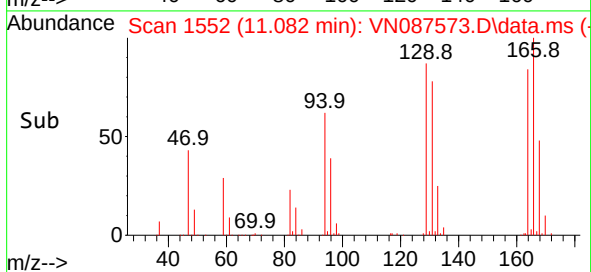
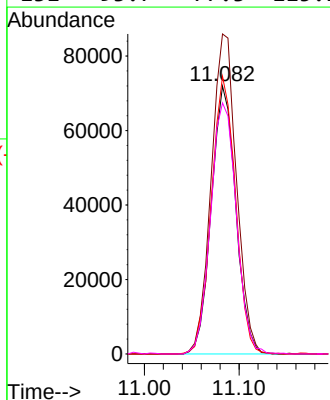
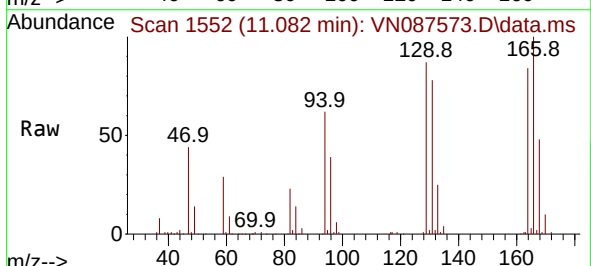
Manual Integrations
APPROVED

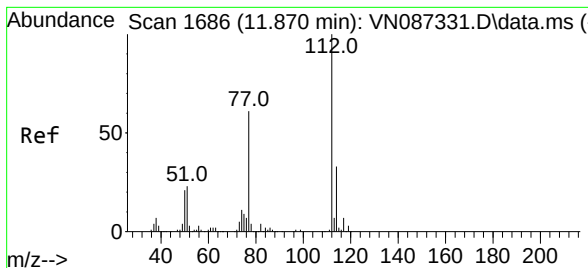
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#64
Tetrachloroethene
Concen: 44.319 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.006 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

Tgt Ion:164 Resp: 128627
Ion Ratio Lower Upper
164 100
166 119.5 105.5 158.3
129 103.7 77.4 116.2
131 93.7 77.3 115.9





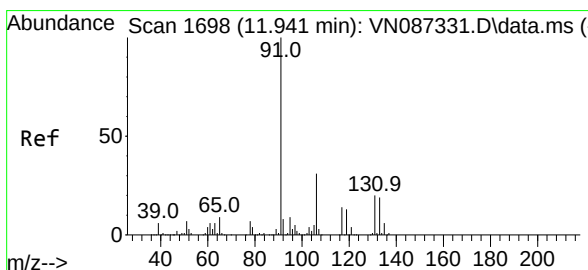
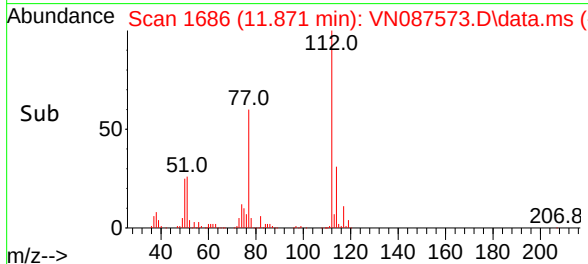
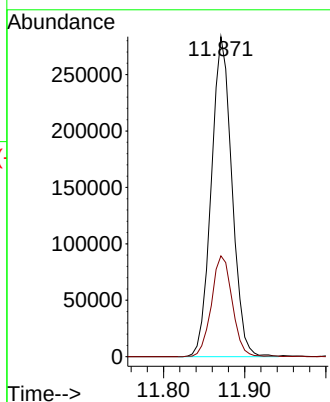
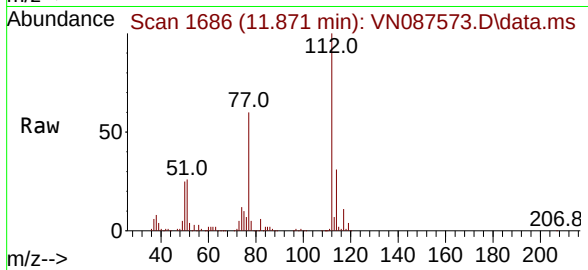
#65
Chlorobenzene
Concen: 49.526 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 501410
Ion Ratio Lower Upper
112 100
114 31.5 26.5 39.7

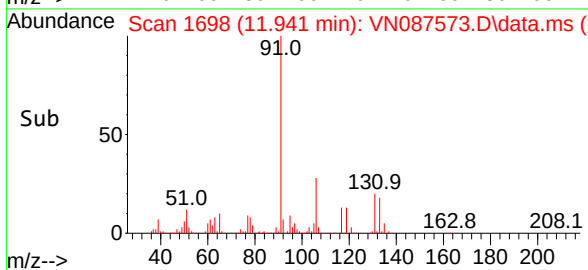
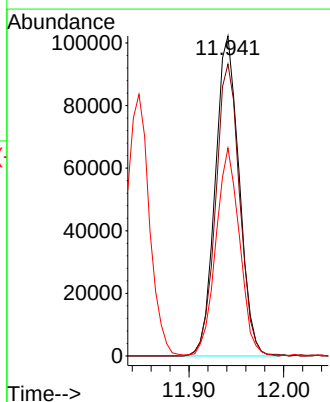
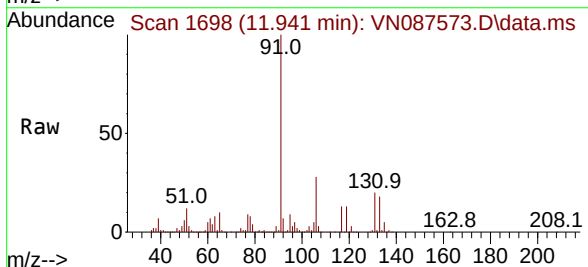
Manual Integrations
APPROVED

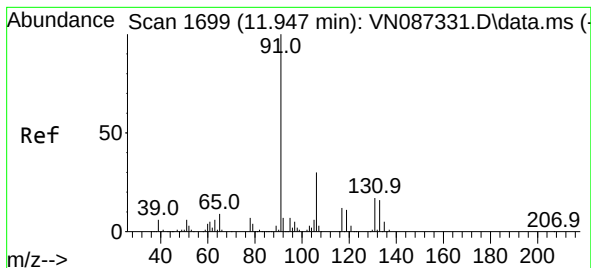
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 52.084 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

Tgt Ion:131 Resp: 179303
Ion Ratio Lower Upper
131 100
133 91.8 47.4 142.3
119 64.6 33.1 99.2





#67

Ethyl Benzene

Concen: 53.800 ug/l

RT: 11.941 min Scan# 1699

Delta R.T. -0.006 min

Lab File: VN087573.D

Acq: 15 Aug 2025 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 896679

Ion Ratio Lower Upper

91 100

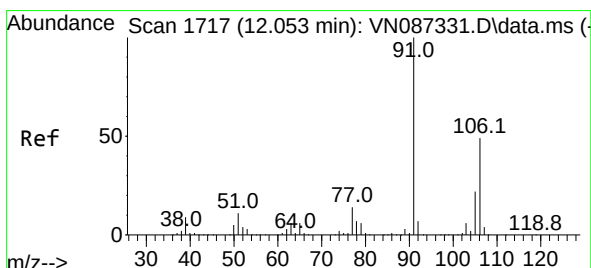
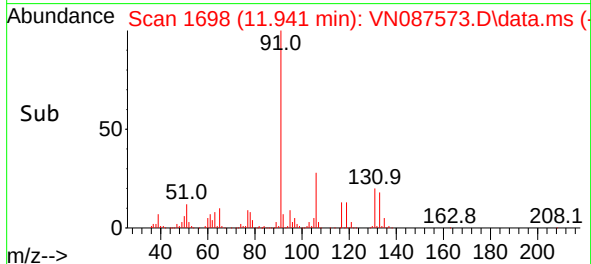
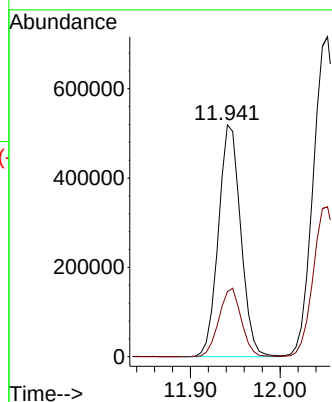
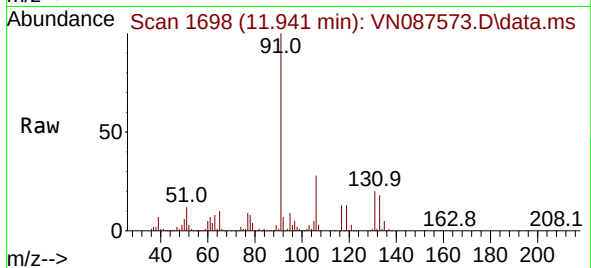
106 28.0 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2025

Supervised By :Mahesh Dadoda 08/19/2025



#68

m/p-Xylenes

Concen: 105.661 ug/l

RT: 12.053 min Scan# 1717

Delta R.T. 0.000 min

Lab File: VN087573.D

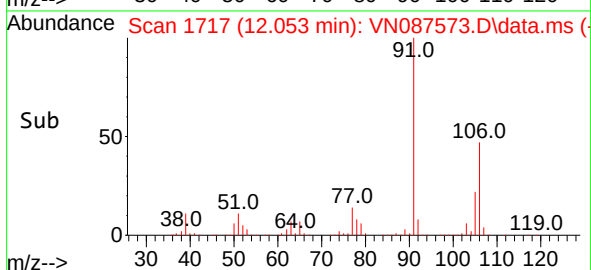
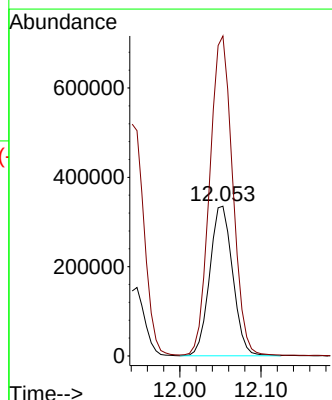
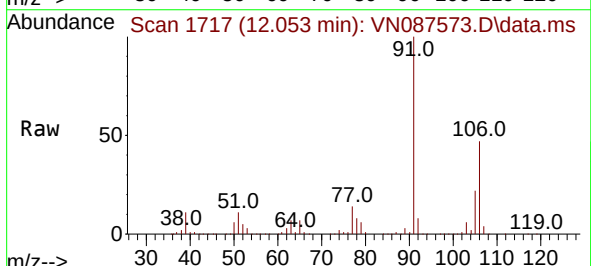
Acq: 15 Aug 2025 10:16

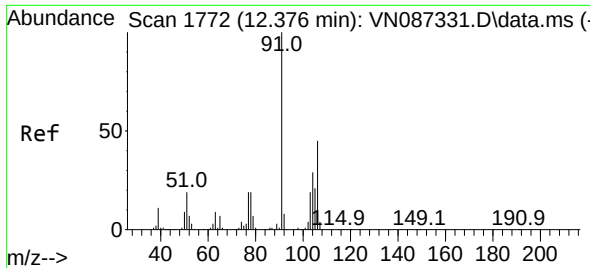
Tgt Ion:106 Resp: 659442

Ion Ratio Lower Upper

106 100

91 213.0 162.0 243.0





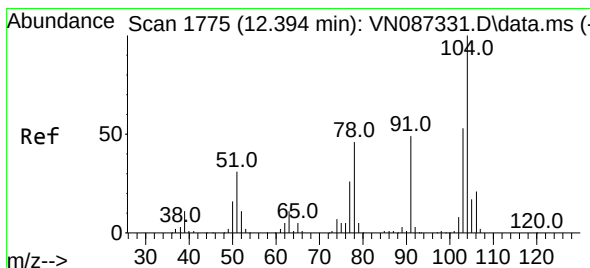
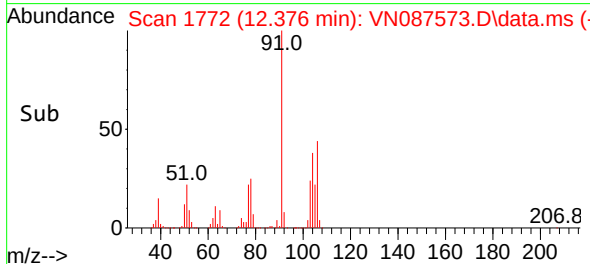
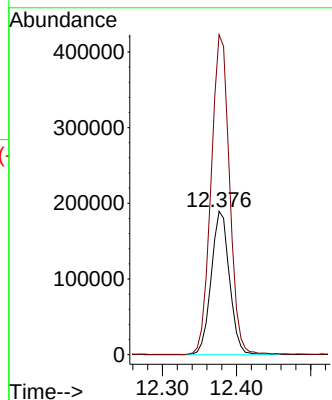
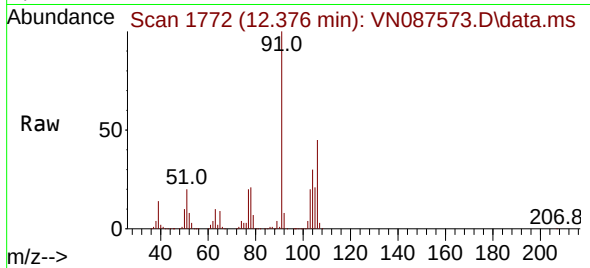
#69
o-Xylene
Concen: 54.369 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 32413
Ion Ratio Lower Upper
106 100
91 224.8 107.7 323.3

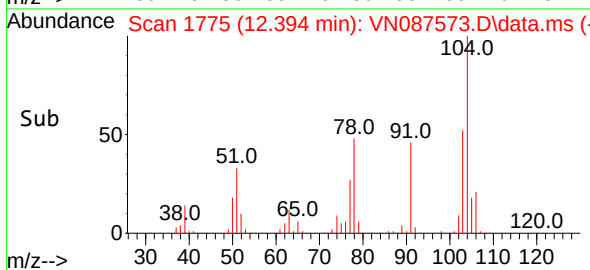
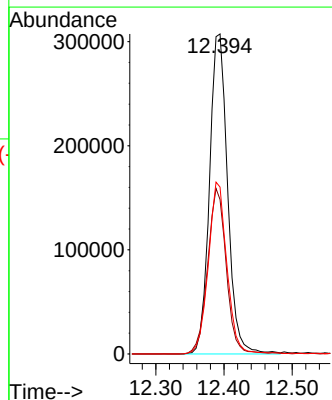
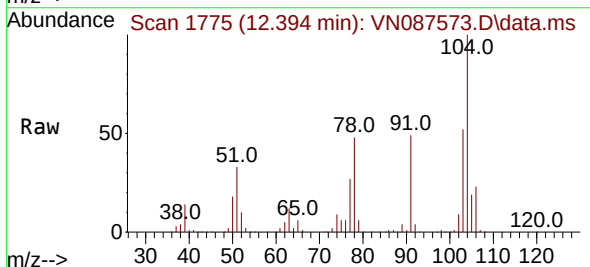
Manual Integrations
APPROVED

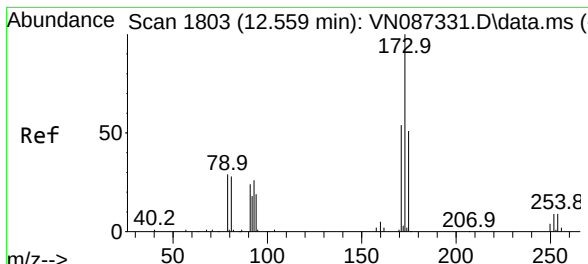
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#70
Styrene
Concen: 56.724 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

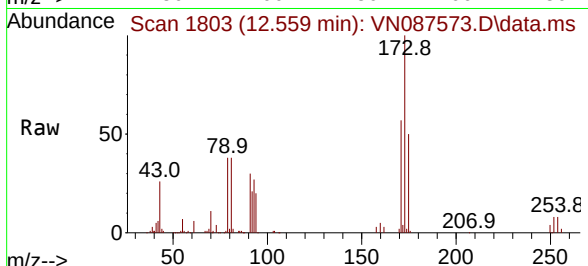
Tgt Ion:104 Resp: 568876
Ion Ratio Lower Upper
104 100
78 53.0 41.0 61.6
103 55.2 43.9 65.9





#71
Bromoform
Concen: 48.631 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

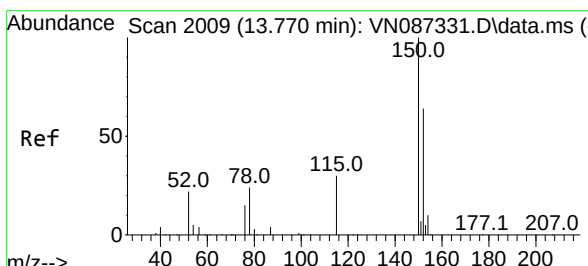
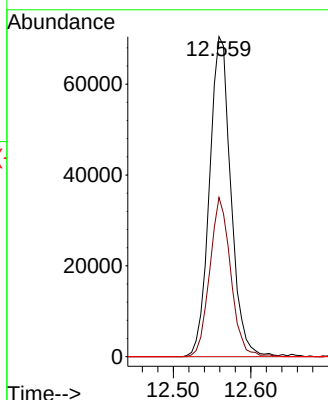
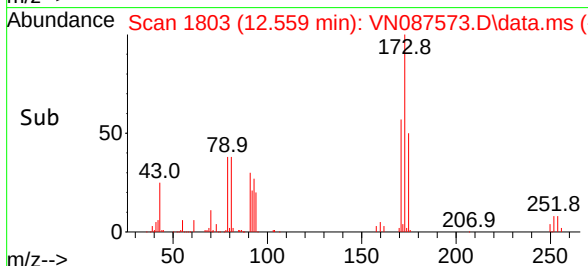
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



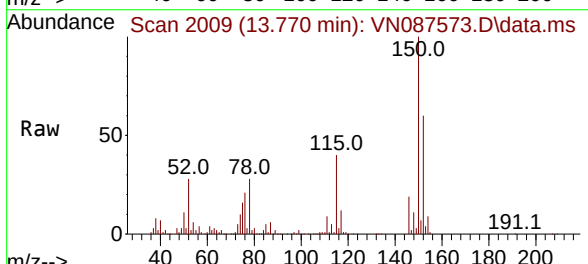
Tgt Ion:173 Resp: 13525
Ion Ratio Lower Upper
173 100
175 48.7 24.1 72.3
254 0.0 0.0 0.0

Manual Integrations
APPROVED

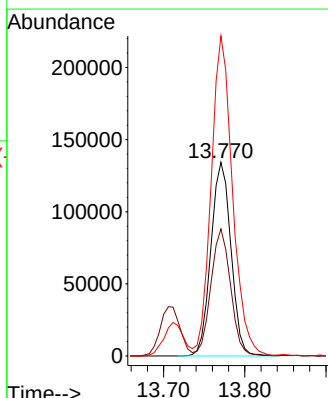
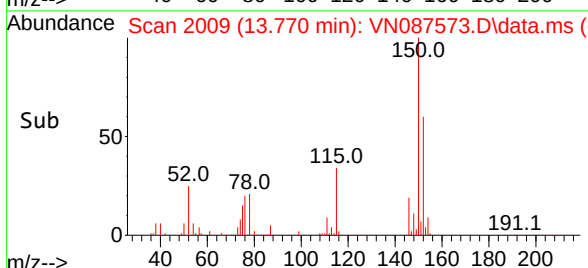
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

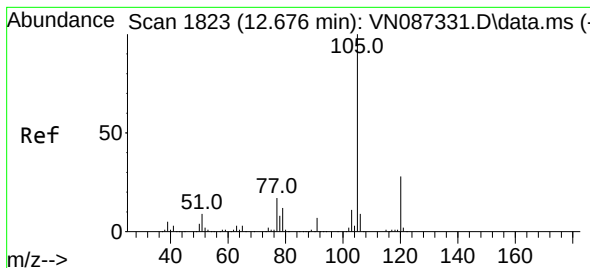


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16



Tgt Ion:152 Resp: 231046
Ion Ratio Lower Upper
152 100
115 64.1 31.1 93.5
150 174.7 0.0 349.0





#73

Isopropylbenzene

Concen: 57.720 ug/l

RT: 12.676 min Scan# 1823

Delta R.T. 0.000 min

Lab File: VN087573.D

Acq: 15 Aug 2025 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 83934

Ion Ratio Lower Upper

105 100

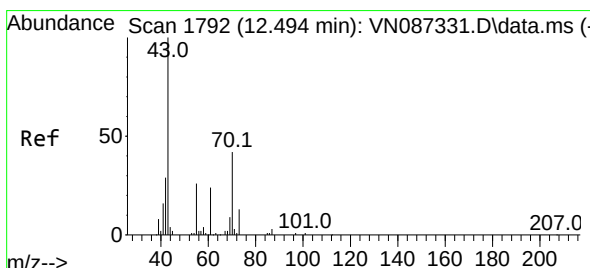
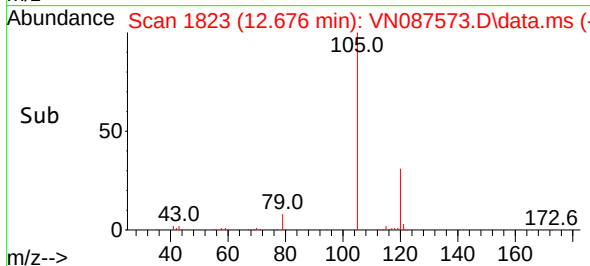
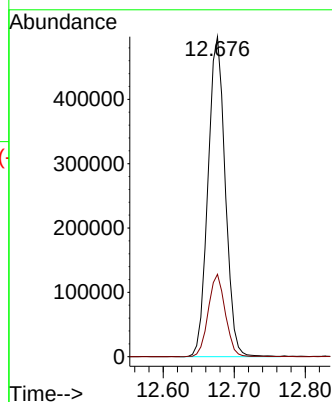
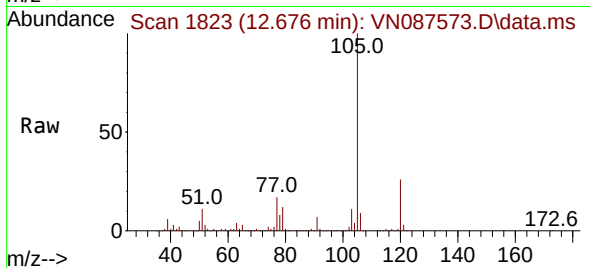
120 25.4 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2025

Supervised By :Mahesh Dadoda 08/19/2025



#74

N-ethyl acetate

Concen: 43.655 ug/l

RT: 12.500 min Scan# 1793

Delta R.T. 0.006 min

Lab File: VN087573.D

Acq: 15 Aug 2025 10:16

Tgt Ion: 43 Resp: 263749

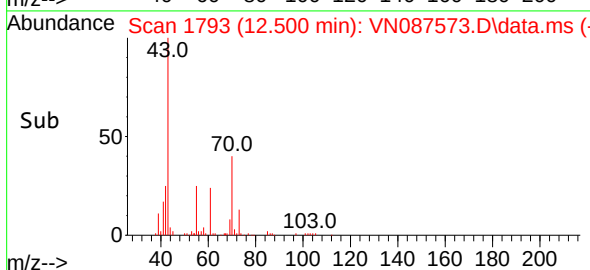
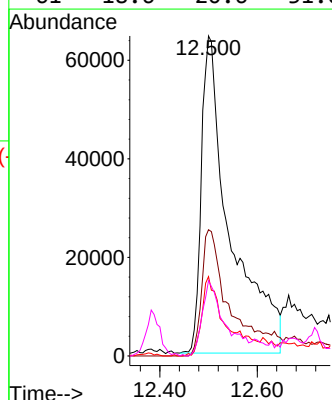
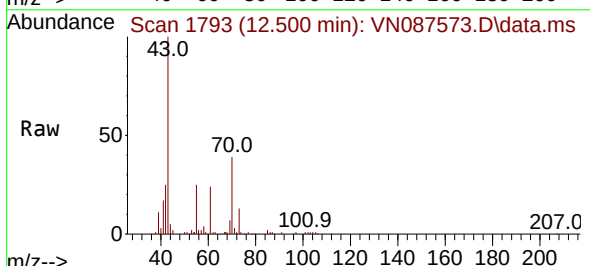
Ion Ratio Lower Upper

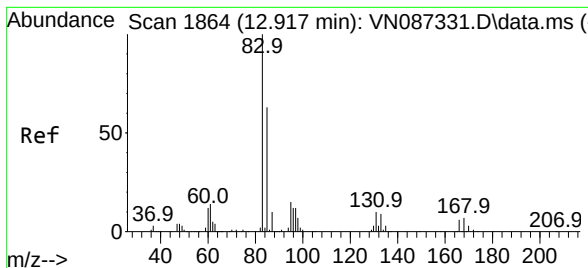
43 100

70 40.4 37.6 56.4

55 21.2 19.6 29.4

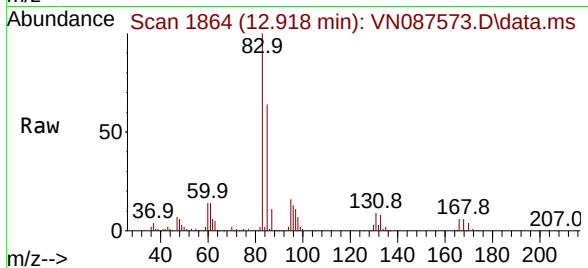
61 18.6 20.6 31.0#





#75
 1,1,2,2-Tetrachloroethane
 Concen: 54.681 ug/l
 RT: 12.918 min Scan# 1864
 Delta R.T. 0.000 min
 Lab File: VN087573.D
 Acq: 15 Aug 2025 10:16

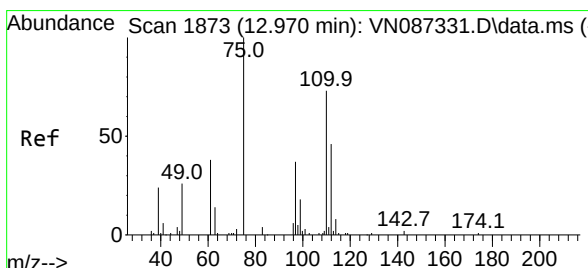
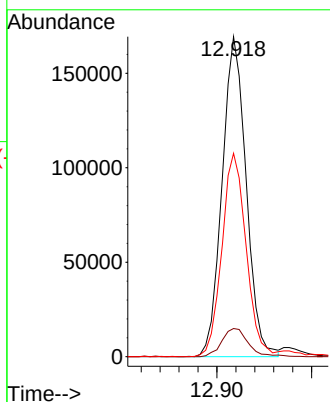
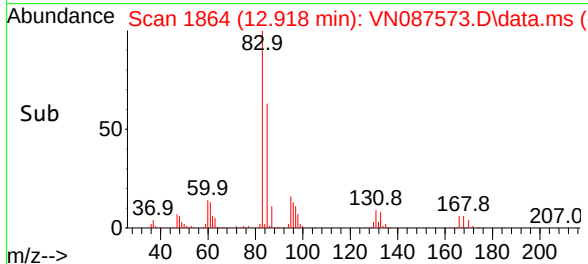
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050



Tgt Ion: 83 Resp: 29920
 Ion Ratio Lower Upper
 83 100
 131 9.7 5.1 15.3
 85 64.0 32.5 97.4

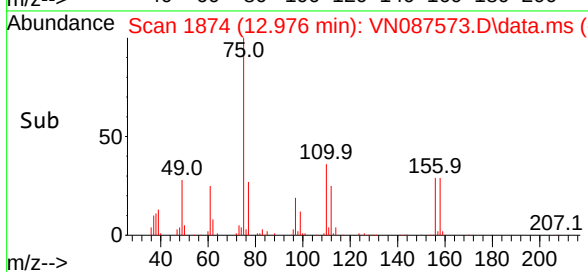
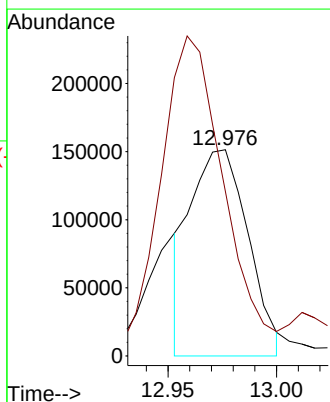
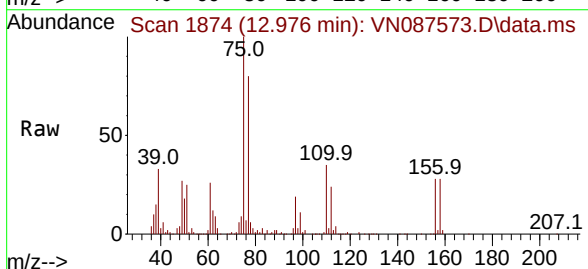
Manual Integrations
 APPROVED

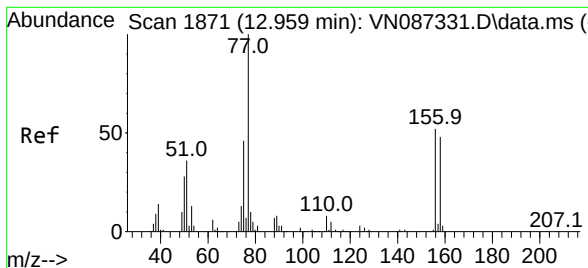
Reviewed By :John Carlone 08/18/2025
 Supervised By :Mahesh Dadoda 08/19/2025



#76
 1,2,3-Trichloropropane
 Concen: 53.830 ug/l m
 RT: 12.976 min Scan# 1874
 Delta R.T. 0.006 min
 Lab File: VN087573.D
 Acq: 15 Aug 2025 10:16

Tgt Ion: 75 Resp: 278895
 Ion Ratio Lower Upper
 75 100
 77 171.9 94.5 283.6





#77

Bromobenzene

Concen: 52.017 ug/l

RT: 12.959 min Scan# 1871

Delta R.T. 0.000 min

Lab File: VN087573.D

Acq: 15 Aug 2025 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

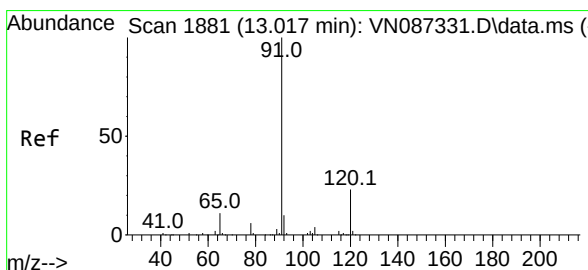
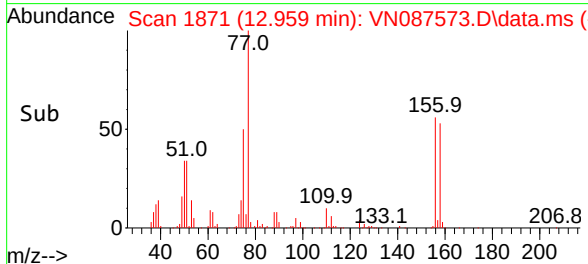
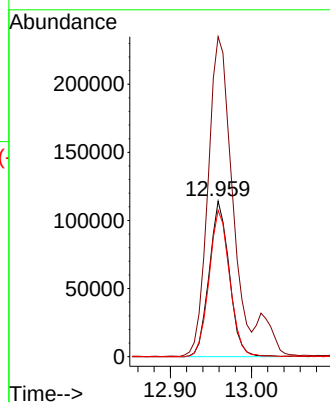
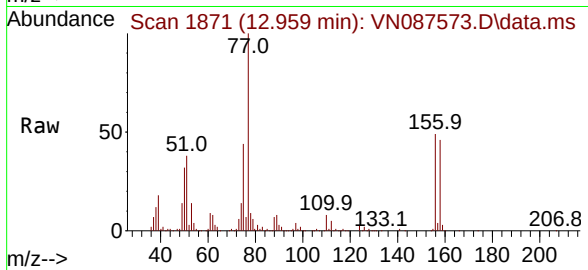
Tgt Ion:	156	Resp:	19617
Ion Ratio	Lower	Upper	
156	100		
77	244.4	114.9	344.6
158	96.6	48.5	145.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2025

Supervised By :Mahesh Dadoda 08/19/2025



#78

n-propylbenzene

Concen: 57.845 ug/l

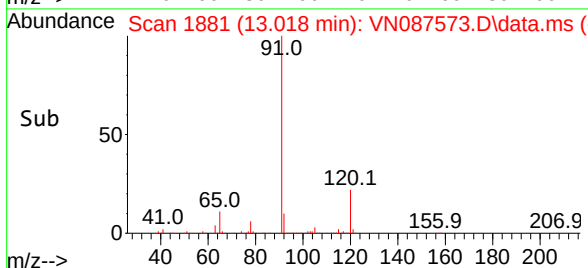
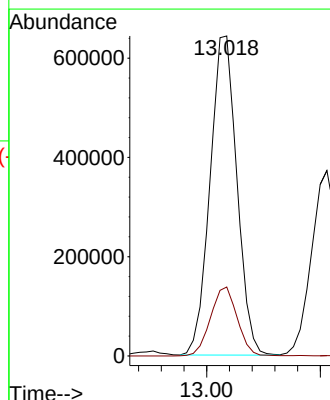
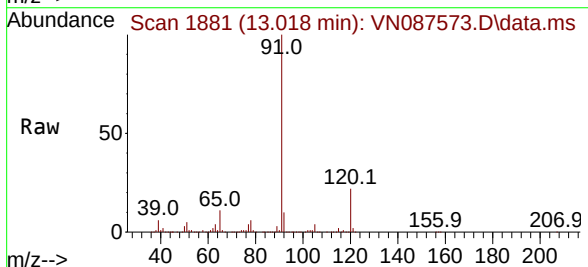
RT: 13.018 min Scan# 1881

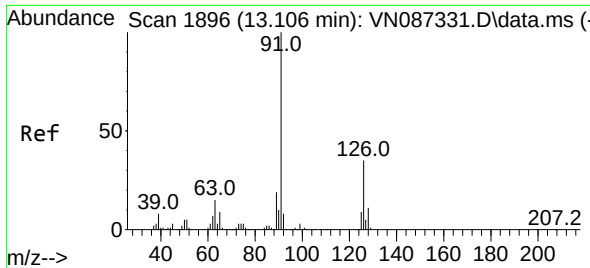
Delta R.T. 0.000 min

Lab File: VN087573.D

Acq: 15 Aug 2025 10:16

Tgt Ion:	91	Resp:	1058309
Ion Ratio	Lower	Upper	
91	100		
120	21.5	11.3	33.8





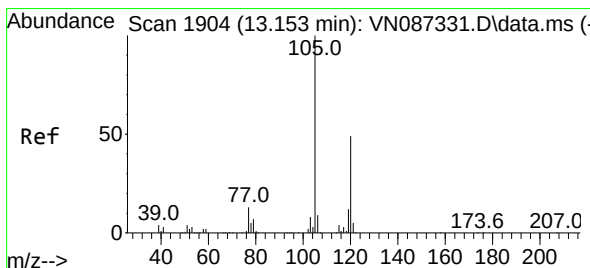
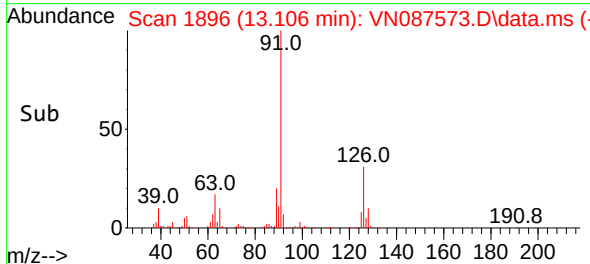
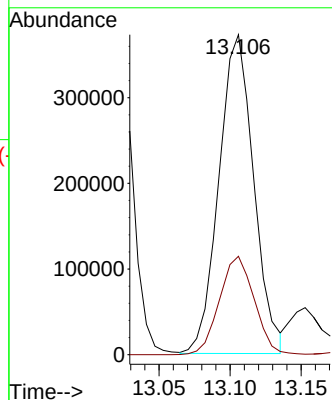
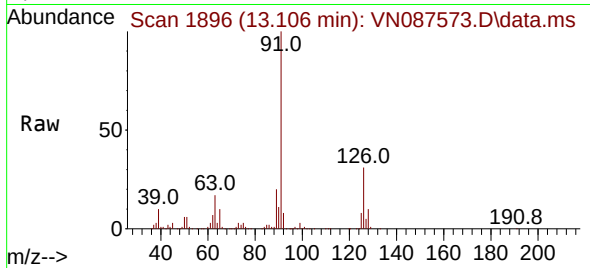
#79
2-Chlorotoluene
Concen: 56.373 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 63386
Ion Ratio Lower Upper
91 100
126 30.9 16.9 50.6

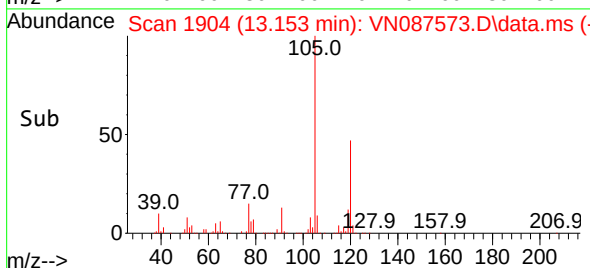
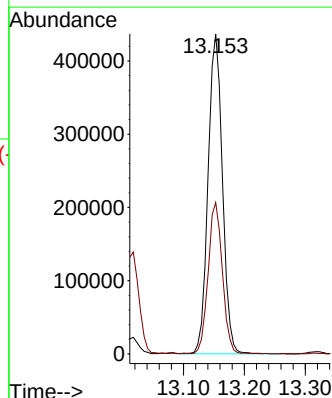
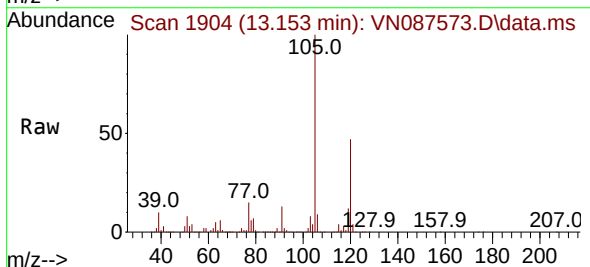
Manual Integrations
APPROVED

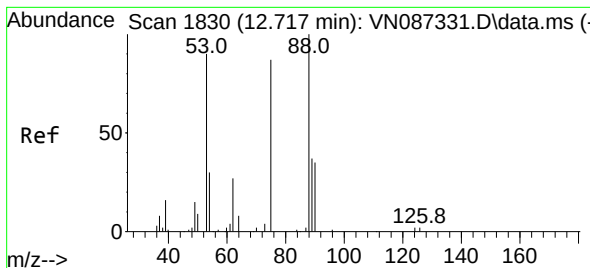
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#80
1,3,5-Trimethylbenzene
Concen: 57.727 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

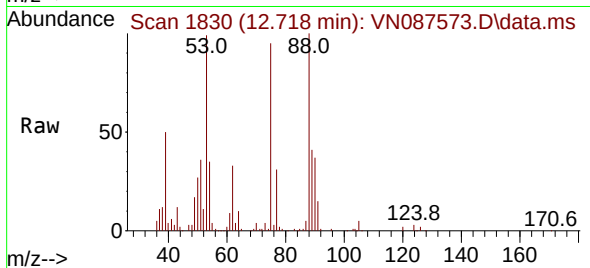
Tgt Ion:105 Resp: 715218
Ion Ratio Lower Upper
105 100
120 46.9 24.3 72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 51.182 ug/l
RT: 12.718 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

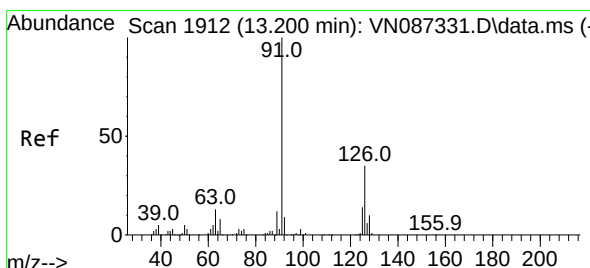
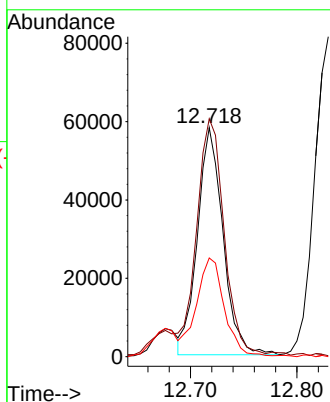
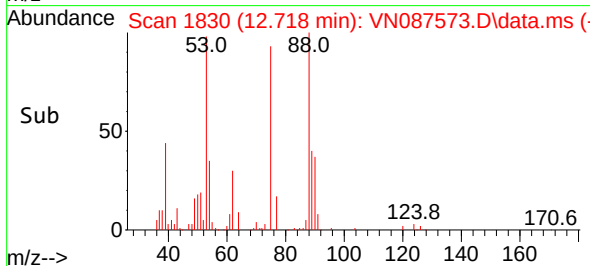
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 96915
Ion Ratio Lower Upper
75 100
53 123.2 83.5 125.3
89 47.0 38.4 57.6

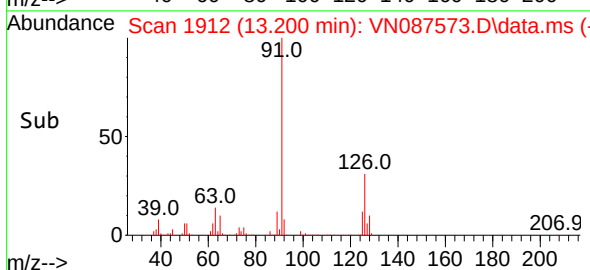
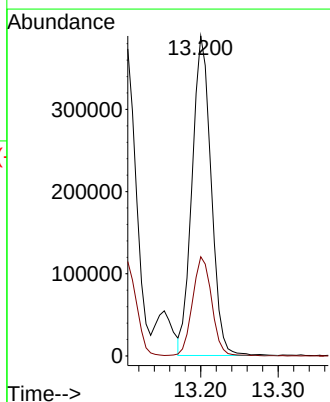
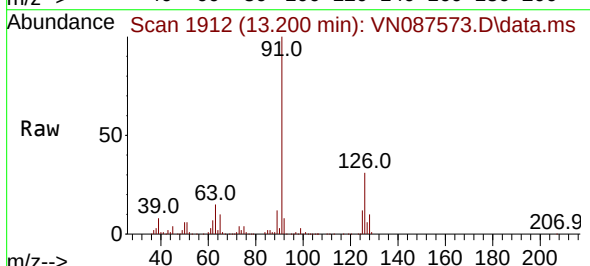
Manual Integrations
APPROVED

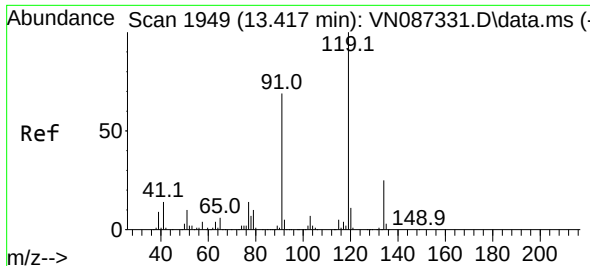
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#82
4-Chlorotoluene
Concen: 56.677 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

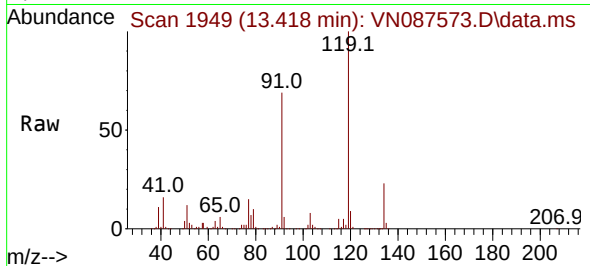
Tgt Ion: 91 Resp: 663500
Ion Ratio Lower Upper
91 100
126 31.4 16.6 49.7





#83
 tert-Butylbenzene
 Concen: 58.909 ug/l
 RT: 13.418 min Scan# 1949
 Delta R.T. 0.000 min
 Lab File: VN087573.D
 Acq: 15 Aug 2025 10:16

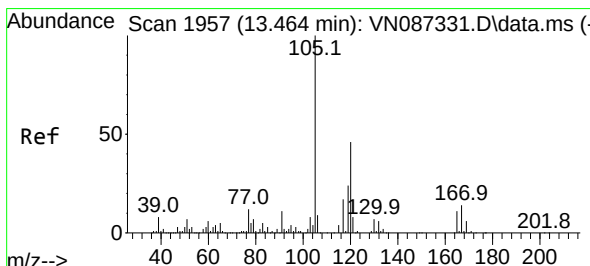
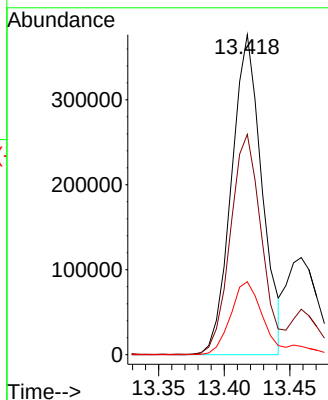
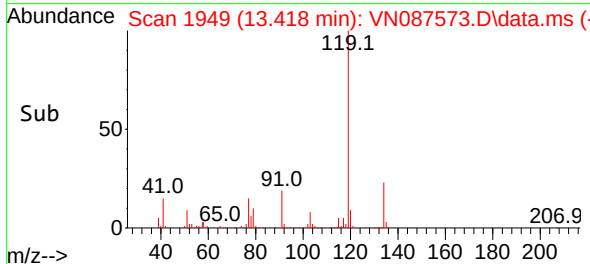
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050



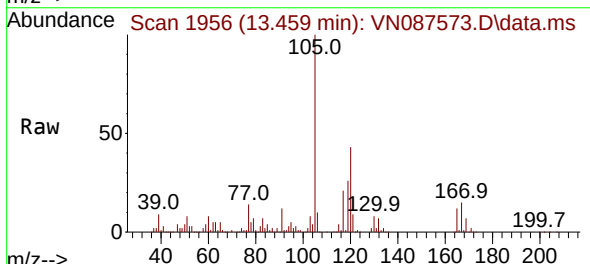
Tgt Ion:119 Resp: 609589
 Ion Ratio Lower Upper
 119 100
 91 70.8 35.0 105.1
 134 23.7 12.6 37.6

Manual Integrations
 APPROVED

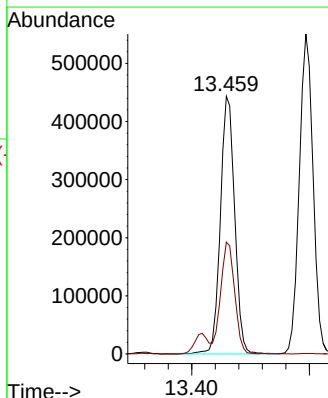
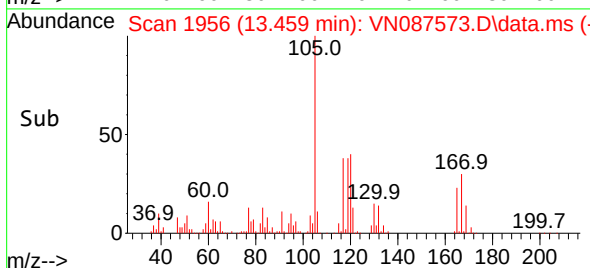
Reviewed By :John Carlone 08/18/2025
 Supervised By :Mahesh Dadoda 08/19/2025

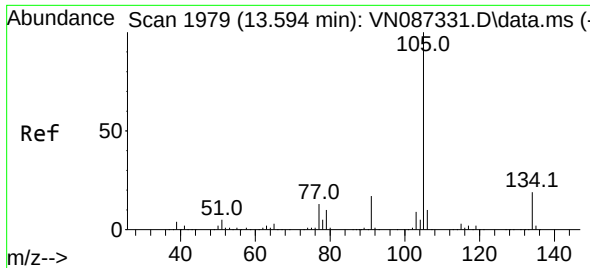


#84
 1,2,4-Trimethylbenzene
 Concen: 59.192 ug/l
 RT: 13.459 min Scan# 1956
 Delta R.T. -0.006 min
 Lab File: VN087573.D
 Acq: 15 Aug 2025 10:16



Tgt Ion:105 Resp: 748938
 Ion Ratio Lower Upper
 105 100
 120 42.0 22.8 68.3





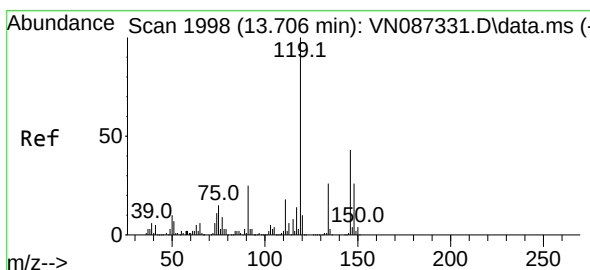
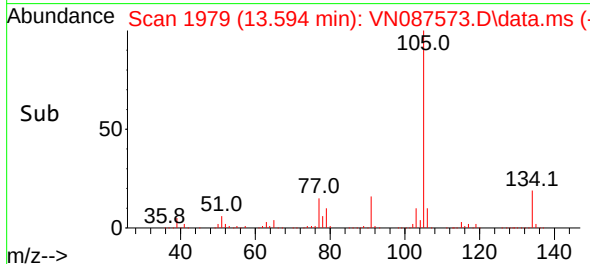
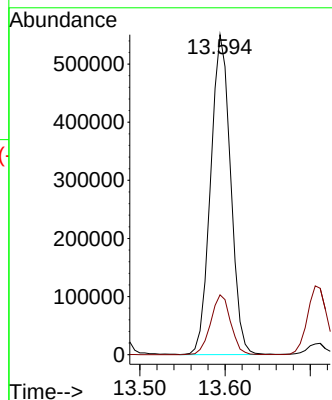
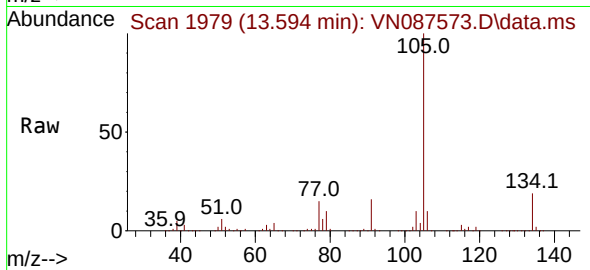
#85
 sec-Butylbenzene
 Concen: 57.439 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN087573.D
 Acq: 15 Aug 2025 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 895290
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.8 29.4

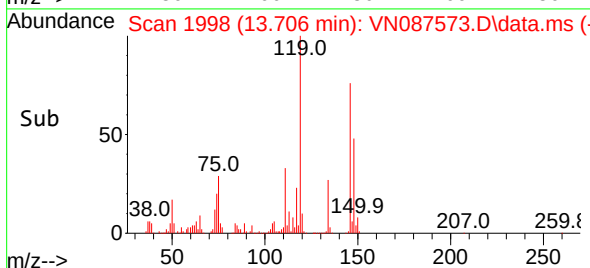
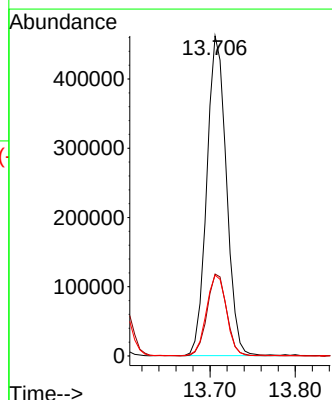
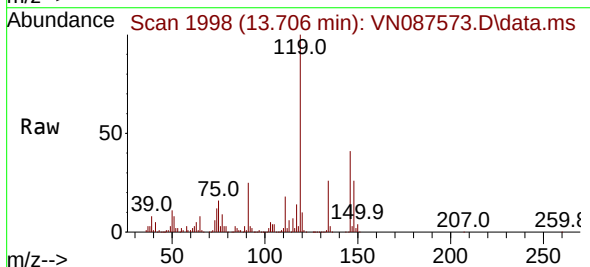
Manual Integrations
 APPROVED

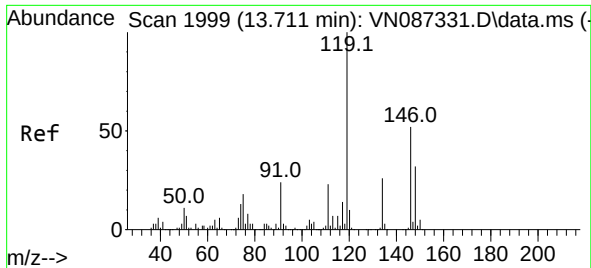
Reviewed By :John Carlone 08/18/2025
 Supervised By :Mahesh Dadoda 08/19/2025



#86
 p-Isopropyltoluene
 Concen: 58.991 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN087573.D
 Acq: 15 Aug 2025 10:16

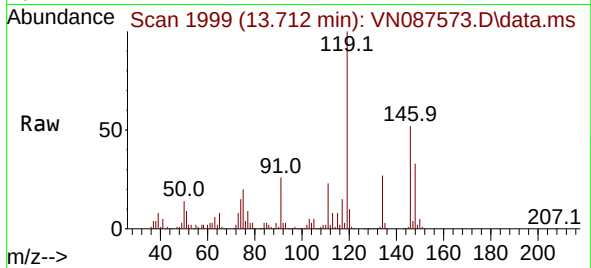
Tgt Ion:119 Resp: 736868
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.5 40.5
 91 25.8 12.2 36.6





#87
 1,3-Dichlorobenzene
 Concen: 52.330 ug/l
 RT: 13.712 min Scan# 1999
 Delta R.T. 0.000 min
 Lab File: VN087573.D
 Acq: 15 Aug 2025 10:16

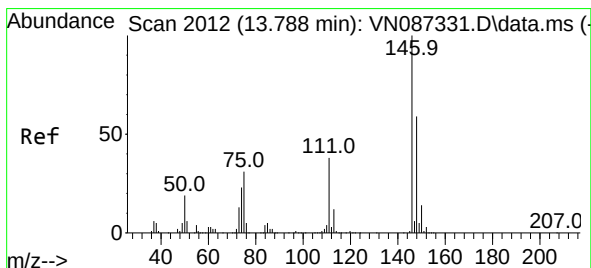
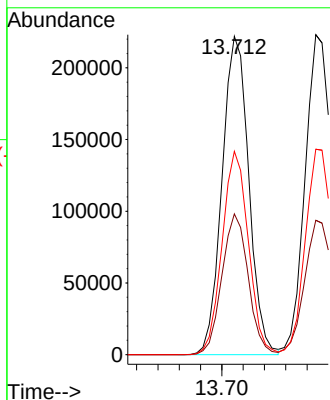
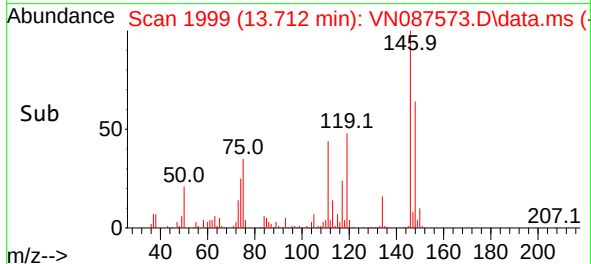
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050



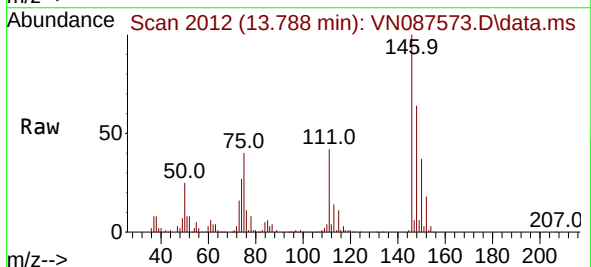
Tgt Ion:146 Resp: 387319
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.4 64.3
 148 62.7 31.6 95.0

Manual Integrations
 APPROVED

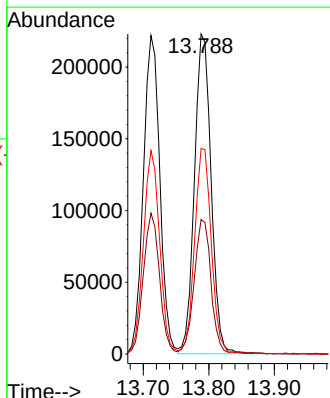
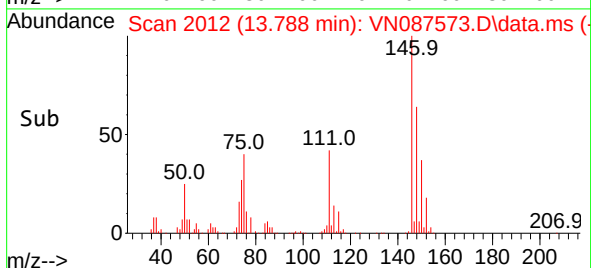
Reviewed By :John Carlone 08/18/2025
 Supervised By :Mahesh Dadoda 08/19/2025

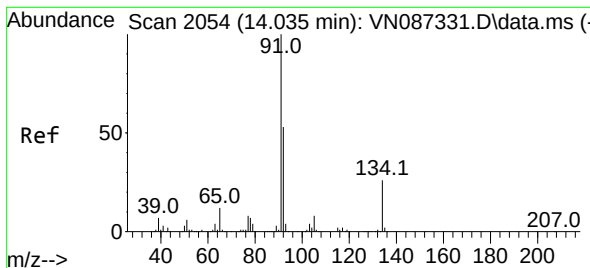


#88
 1,4-Dichlorobenzene
 Concen: 49.927 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN087573.D
 Acq: 15 Aug 2025 10:16



Tgt Ion:146 Resp: 394677
 Ion Ratio Lower Upper
 146 100
 111 42.3 19.6 58.7
 148 64.2 31.4 94.0





#89

n-Butylbenzene

Concen: 61.341 ug/l

RT: 14.035 min Scan# 2054

Delta R.T. 0.000 min

Lab File: VN087573.D

Acq: 15 Aug 2025 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 731640

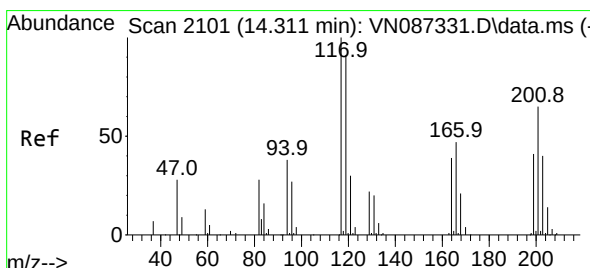
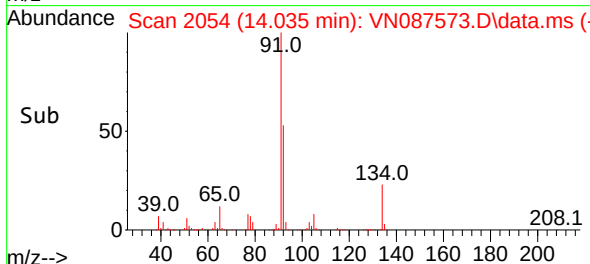
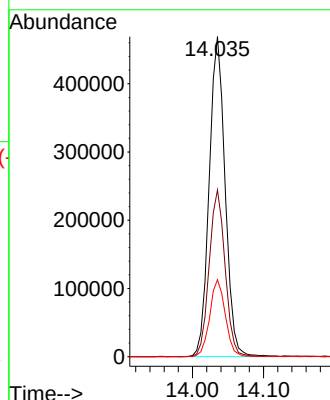
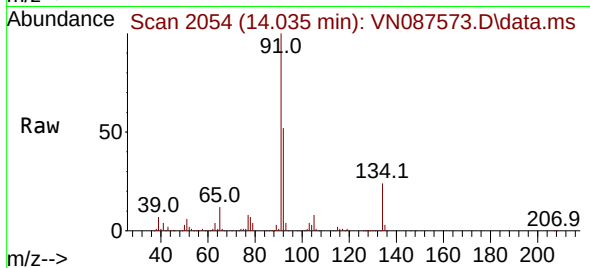
Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.6
134	23.7	12.4	37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2025

Supervised By :Mahesh Dadoda 08/19/2025



#90

Hexachloroethane

Concen: 51.338 ug/l

RT: 14.312 min Scan# 2101

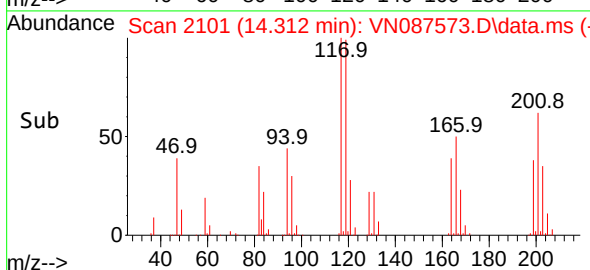
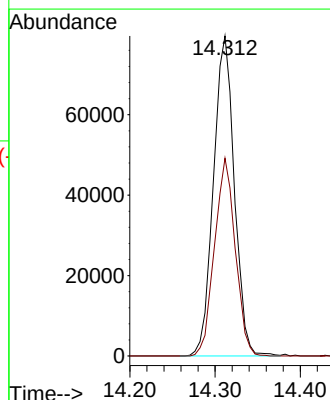
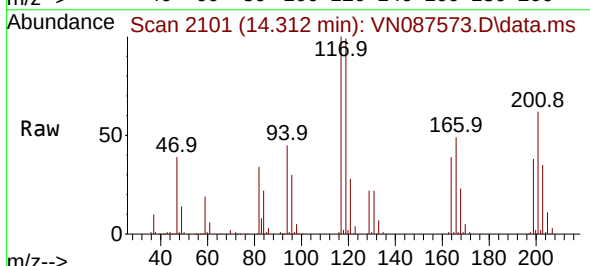
Delta R.T. 0.000 min

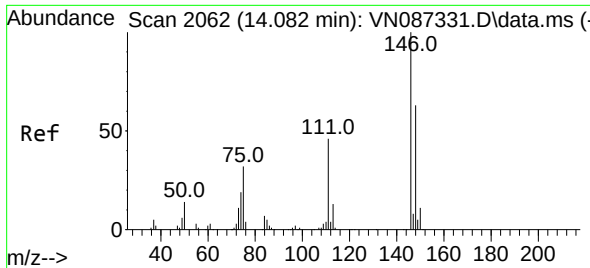
Lab File: VN087573.D

Acq: 15 Aug 2025 10:16

Tgt Ion:117 Resp: 135871

Ion	Ratio	Lower	Upper
117	100		
201	61.4	32.8	98.4





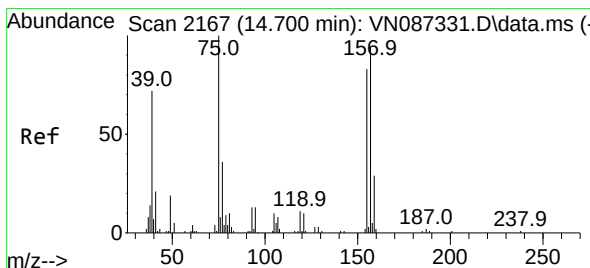
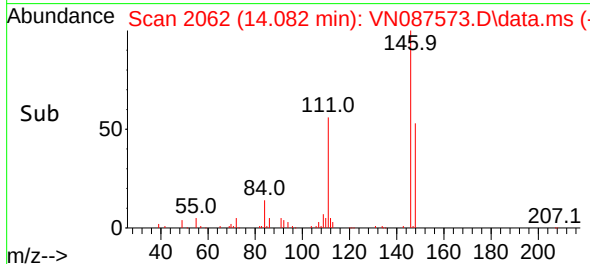
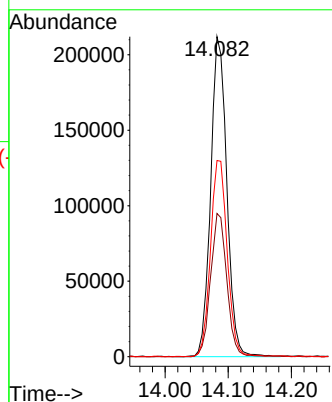
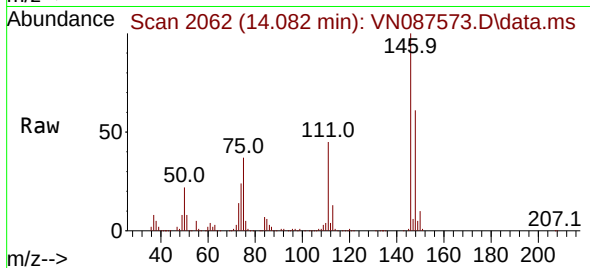
#91
1,2-Dichlorobenzene
Concen: 53.620 ug/l
RT: 14.082 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 375970
Ion Ratio Lower Upper
146 100
111 45.2 22.0 66.0
148 63.7 32.7 98.1

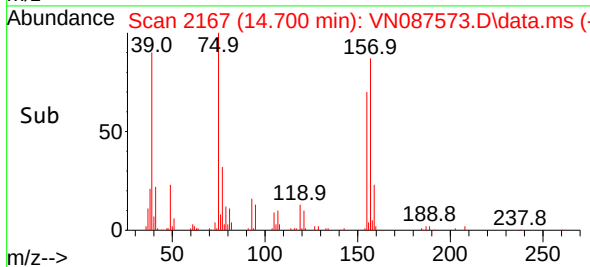
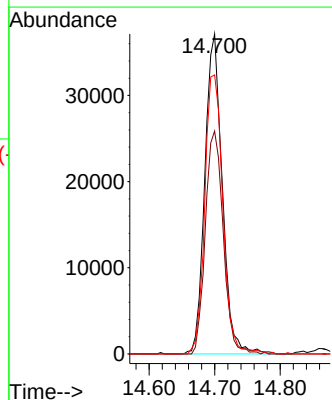
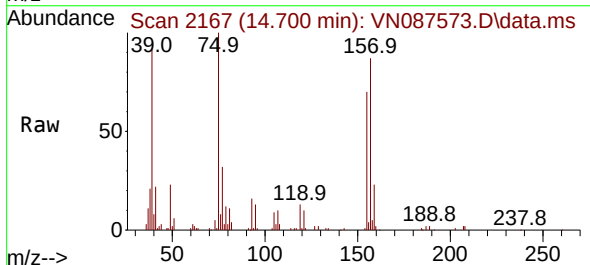
Manual Integrations
APPROVED

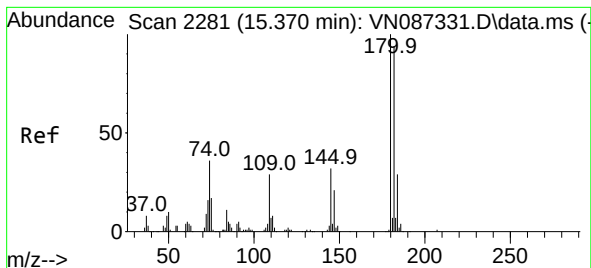
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 47.902 ug/l
RT: 14.700 min Scan# 2167
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

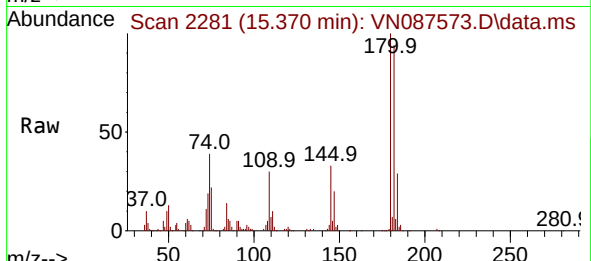
Tgt Ion: 75 Resp: 68815
Ion Ratio Lower Upper
75 100
155 71.4 37.3 111.8
157 90.2 46.2 138.6





#93
1,2,4-Trichlorobenzene
Concen: 53.561 ug/l
RT: 15.370 min Scan# 2281
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16

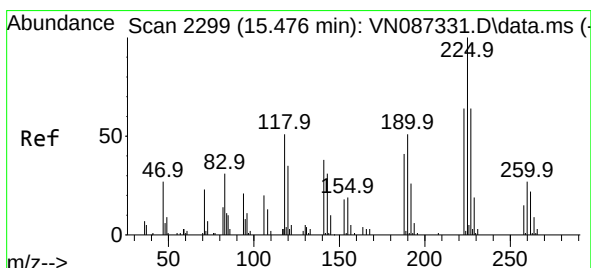
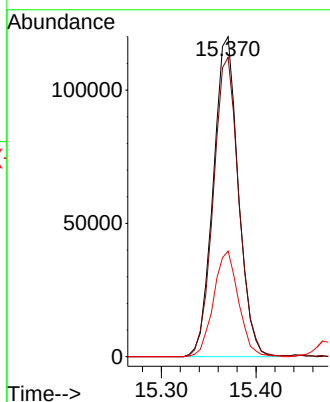
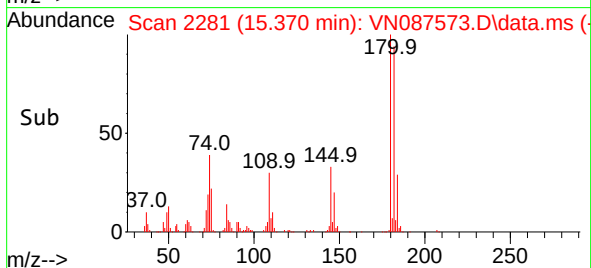
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



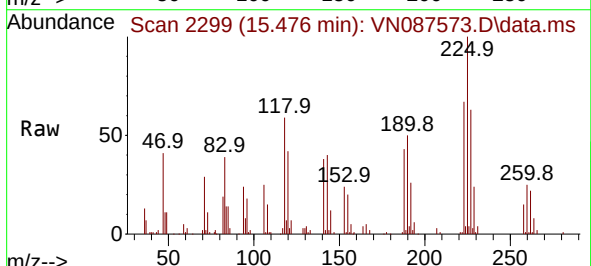
Tgt Ion:180 Resp: 220609
Ion Ratio Lower Upper
180 100
182 95.2 47.3 141.8
145 32.9 15.4 46.4

Manual Integrations
APPROVED

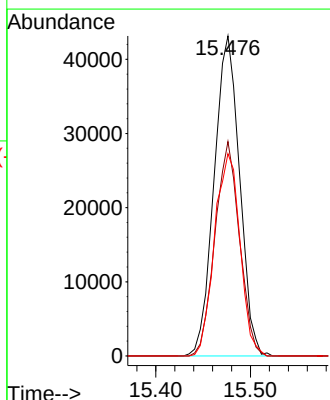
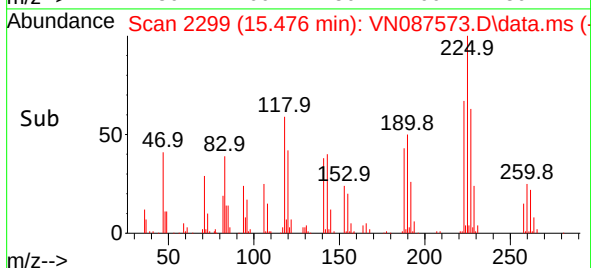
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

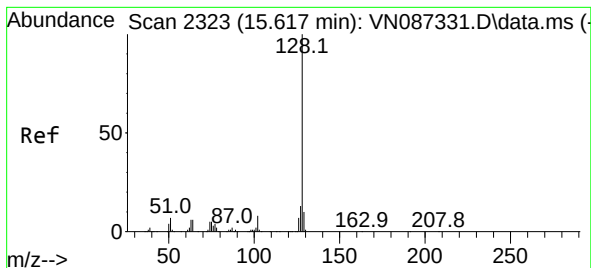


#94
Hexachlorobutadiene
Concen: 52.663 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VN087573.D
Acq: 15 Aug 2025 10:16



Tgt Ion:225 Resp: 80598
Ion Ratio Lower Upper
225 100
223 64.4 32.1 96.3
227 63.1 31.3 93.9





#95

Naphthalene

Concen: 55.138 ug/l

RT: 15.612 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN087573.D

Acq: 15 Aug 2025 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 80455

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

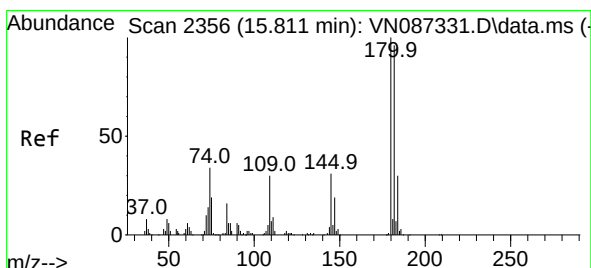
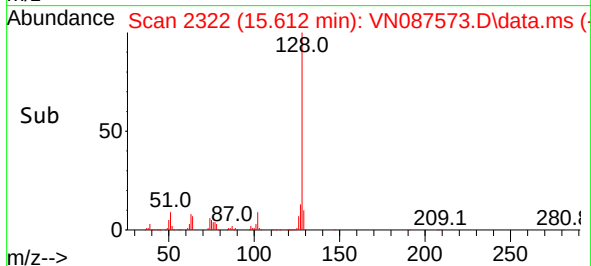
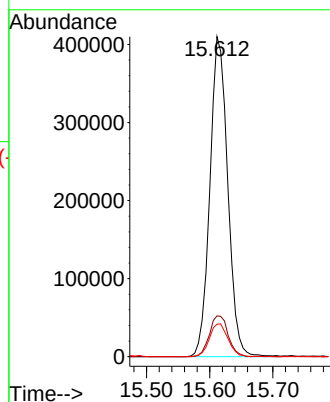
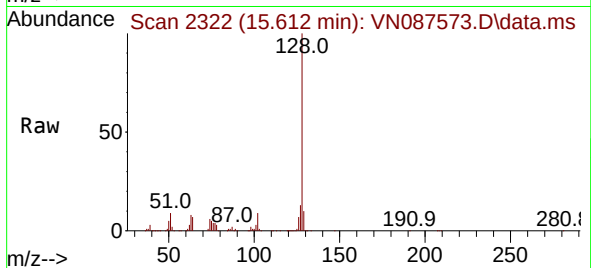
129 10.7 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2025

Supervised By :Mahesh Dadoda 08/19/2025



#96

1,2,3-Trichlorobenzene

Concen: 52.048 ug/l

RT: 15.817 min Scan# 2357

Delta R.T. 0.006 min

Lab File: VN087573.D

Acq: 15 Aug 2025 10:16

Tgt Ion:180 Resp: 215045

Ion Ratio Lower Upper

180 100

182 94.1 47.1 141.4

145 35.6 16.9 50.6

