

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
 Data File : VN087481.D
 Acq On : 06 Aug 2025 16:08
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/07/2025
 Supervised By : Mahesh Dadoda 08/07/2025

Quant Time: Aug 07 03:39:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 02:01:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.800	128	59810	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	333172	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	305874	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	170816	30.964	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.200%			
60) 4-Bromofluorobenzene	12.829	95	156138	29.662	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.867%			
63) Toluene-d8	10.547	98	419192	29.785	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.267%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	76549	19.603	ug/l	98
3) Chloromethane	2.383	50	75927	18.951	ug/l	97
4) Vinyl Chloride	2.542	62	81595	19.202	ug/l	96
5) Bromomethane	2.977	94	42720	18.573	ug/l #	78
6) Chloroethane	3.142	64	54189	19.776	ug/l	99
7) Trichlorofluoromethane	3.506	101	118141	19.318	ug/l	96
8) Diethyl Ether	3.953	74	51399	20.174	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.359	101	61303	19.657	ug/l	56
10) 1,1-Dichloroethene	4.324	96	64088	19.564	ug/l	89
11) Methyl Iodide	4.583	142	37606	14.580	ug/l	97
12) Methyl Acetate	5.024	43	123313	20.399	ug/l	100
13) Acrolein	4.183	56	107724	116.676	ug/l	99
14) Acrylonitrile	5.706	53	255571	96.821	ug/l #	81
15) Acetone	4.430	58	73465	97.407	ug/l	99
16) Carbon Disulfide	4.700	76	181934	17.905	ug/l	99
17) Allyl chloride	5.012	41	126465	18.941	ug/l	98
18) Methylene Chloride	5.265	84	78340	18.577	ug/l	99
19) trans-1,2-Dichloroethene	5.771	96	72003	18.484	ug/l	96
20) Diisopropyl ether	6.659	45	290173	19.078	ug/l	99
21) 1,1-Dichloroethane	6.553	63	150759	19.175	ug/l	97
22) cis-1,2-Dichloroethene	7.465	96	91892	19.172	ug/l	100
23) tert-Butyl Alcohol	5.524	59	107042	95.432	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	278206	18.638	ug/l	98
25) Chloroform	7.947	83	160848	19.599	ug/l	96
26) Cyclohexane	8.241	56	124450	19.770	ug/l #	96
29) 1,1-Dichloropropene	8.353	75	101980	18.767	ug/l	98
30) 2-Butanone	7.471	43	380191	94.916	ug/l	99
31) 2,2-Dichloropropane	7.465	77	132355	18.885	ug/l #	78
32) 1,1,1-Trichloroethane	8.147	97	130763	18.868	ug/l	97
33) Carbon Tetrachloride	8.341	117	106767	18.544	ug/l	100
34) Benzene	8.588	78	324182	18.899	ug/l	99
35) Methacrylonitrile	7.759	41	79398	18.369	ug/l	98
36) 1,2-Dichloroethane	8.653	62	132738	19.146	ug/l	99
37) Trichloroethene	9.335	130	71620	18.954	ug/l	85
38) Methylcyclohexane	9.582	83	110169	17.476	ug/l	95
39) 1,2-Dichloropropane	9.600	63	83077	18.889	ug/l	98
40) Dibromomethane	9.688	93	61242	18.559	ug/l	96
41) Bromodichloromethane	9.871	83	128257	18.705	ug/l	94
42) Vinyl Acetate	6.588	43	1373736	104.142	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	161020	20.808	ug/l #	79
44) Isopropyl Acetate	8.677	43	247457	18.865	ug/l	100
45) 1,4-Dioxane	9.682	88	31836	380.717	ug/l #	1
46) Methyl methacrylate	9.665	41	98809	15.958	ug/l	86
47) n-amyl Acetate	12.517	43	138647m	19.134	ug/l	
48) t-1,3-Dichloropropene	10.818	75	134609	18.044	ug/l	98
49) cis-1,3-Dichloropropene	10.294	75	141083	18.792	ug/l	99
50) 1,1,2-Trichloroethane	10.994	97	78883	18.920	ug/l	97
51) Ethyl methacrylate	10.859	69	138886	18.915	ug/l	91
52) 1,3-Dichloropropane	11.147	76	142334	18.949	ug/l	98
53) Dibromochloromethane	11.341	129	87625	18.199	ug/l	100
54) 1,2-Dibromoethane	11.447	107	82340	18.604	ug/l	99
55) 2-Chloroethyl vinyl ether	10.141	63	353765	91.521	ug/l	99
56) Bromoform	12.559	173	56549	17.756	ug/l #	99
58) 4-Methyl-2-Pentanone	10.429	43	754622	95.904	ug/l	100
59) 2-Hexanone	11.176	43	490391	91.726	ug/l	99
61) Tetrachloroethene	11.082	164	55402	18.592	ug/l	98
62) Toluene	10.612	91	346329	18.345	ug/l	100
64) Chlorobenzene	11.870	112	213235	18.382	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.941	131	72104	17.679	ug/l	98
66) Ethyl Benzene	11.941	91	390637	18.565	ug/l	97
67) m/p-Xylenes	12.053	106	282239	36.542	ug/l	100
68) o-Xylene	12.376	106	138391	18.213	ug/l	99
69) Styrene	12.394	104	233487	17.996	ug/l	98
70) Isopropylbenzene	12.676	105	351643	18.215	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.917	83	123674	18.698	ug/l	99
72) 1,2,3-Trichloropropane	12.970	75	127296m	20.659	ug/l	
73) Bromobenzene	12.959	156	79732	17.816	ug/l	99
74) n-propylbenzene	13.012	91	445638	18.484	ug/l	99
75) 2-Chlorotoluene	13.106	91	269727	18.188	ug/l	100
76) 1,3,5-Trimethylbenzene	13.153	105	296489	17.938	ug/l	97
77) t-1,4-Dichloro-2-butene	12.723	75	40022	17.158	ug/l	86
78) 4-Chlorotoluene	13.200	91	276402	18.391	ug/l	99
79) tert-butylbenzene	13.417	119	253745	18.208	ug/l	100
80) 1,2,4-Trimethylbenzene	13.459	105	305215	18.480	ug/l	100
81) sec-Butylbenzene	13.594	105	373096	18.390	ug/l	100
82) p-Isopropyltoluene	13.706	119	304476	18.075	ug/l	97
83) 1,3-Dichlorobenzene	13.712	146	157070	18.432	ug/l	98
84) 1,4-Dichlorobenzene	13.788	146	161417	18.683	ug/l	99
85) n-Butylbenzene	14.035	91	303135	18.393	ug/l	96
86) Hexachloroethane	14.311	117	58625	17.822	ug/l	99
87) 1,2-Dichlorobenzene	14.088	146	152381	18.733	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	29308	17.491	ug/l	95
89) 1,2,4-Trichlorobenzene	15.811	180	86683	17.831	ug/l	99
90) Hexachlorobutadiene	15.470	225	30948	16.371	ug/l	97
91) Naphthalene	15.617	128	328334	17.713	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	86683	17.831	ug/l	99

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

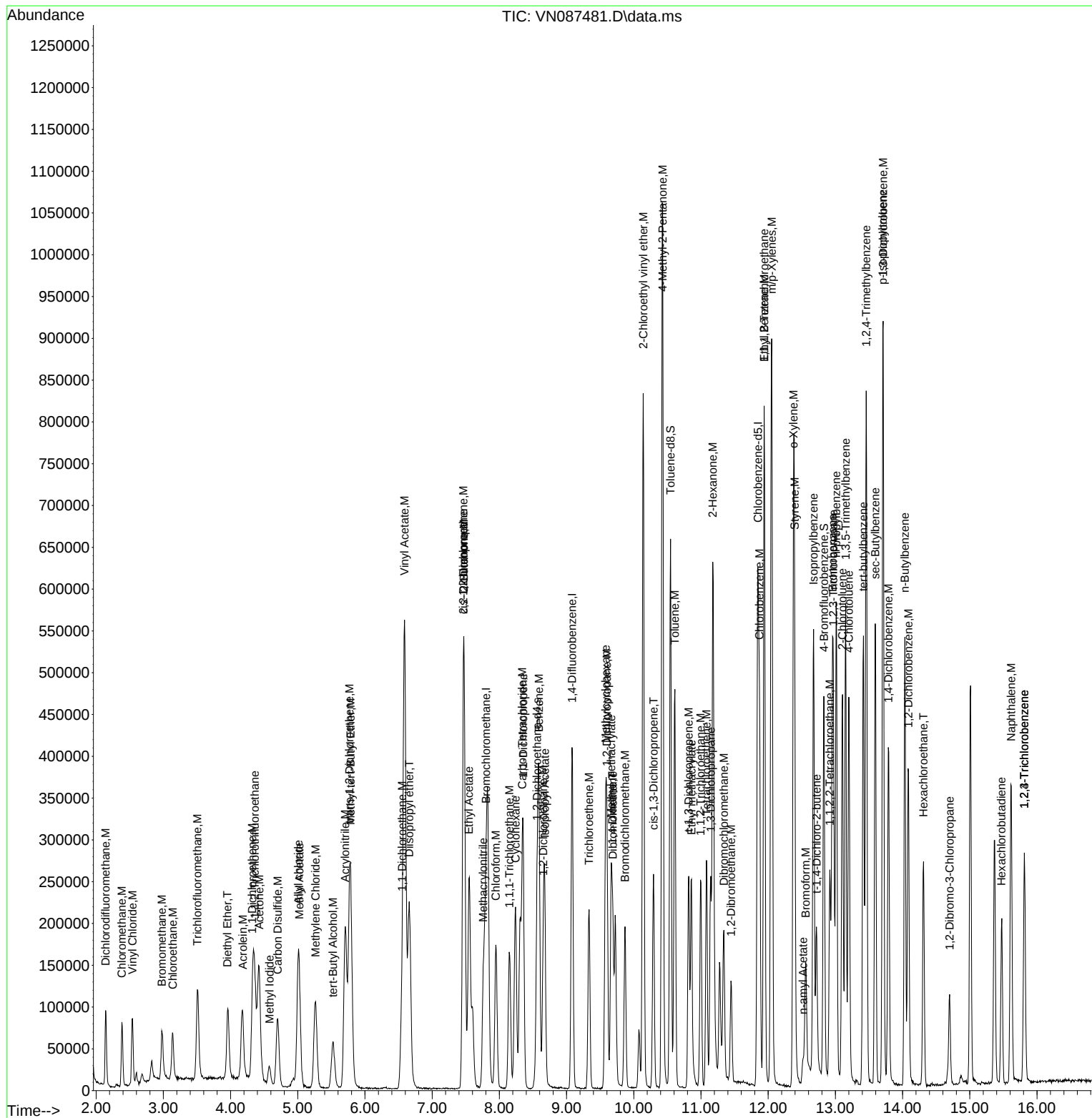
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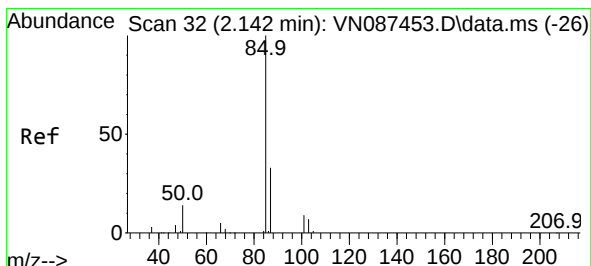
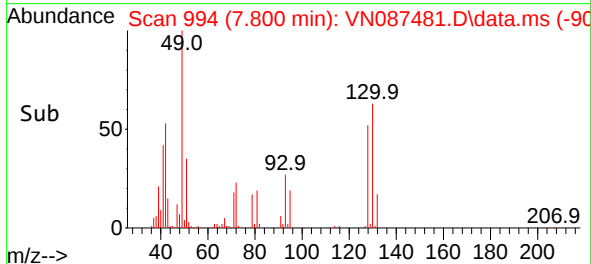
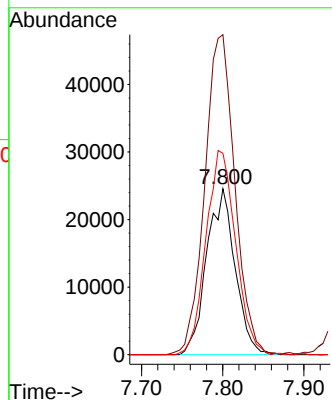
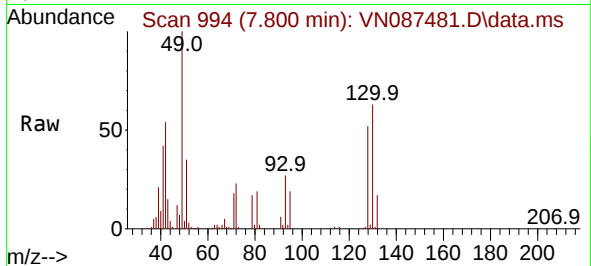
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:128 Resp: 59810
Ion Ratio Lower Upper
128 100
49 203.7 0.0 494.8
130 128.5 0.0 321.5

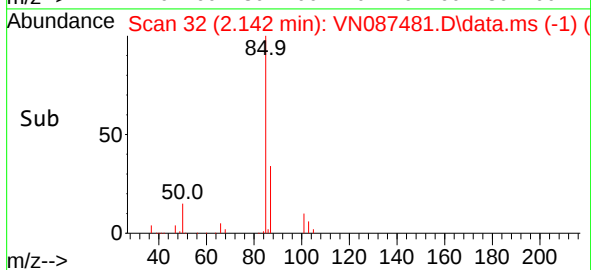
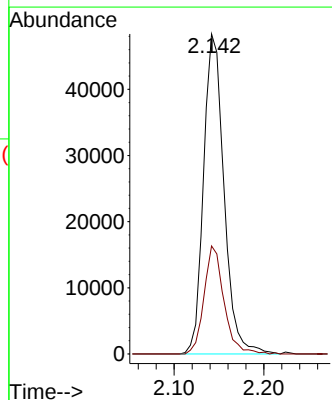
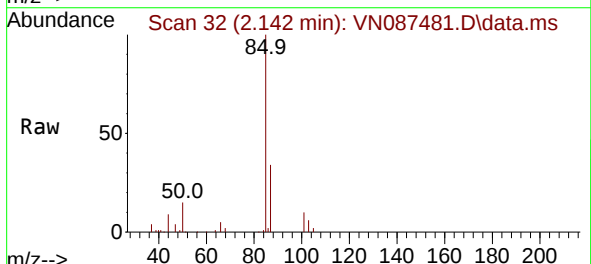
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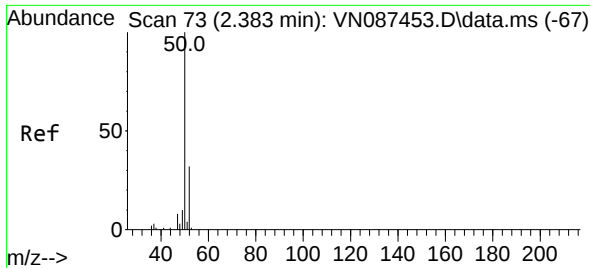
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#2
Dichlorodifluoromethane
Concen: 19.603 ug/l
RT: 2.142 min Scan# 32
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

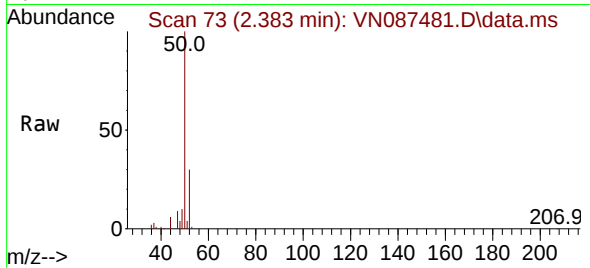
Tgt Ion: 85 Resp: 76549
Ion Ratio Lower Upper
85 100
87 33.8 16.4 49.2





#3
Chloromethane
Concen: 18.951 ug/l
RT: 2.383 min Scan# 71
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

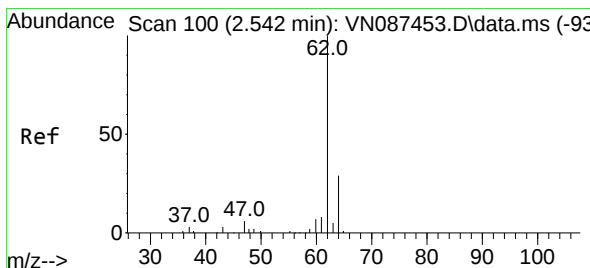
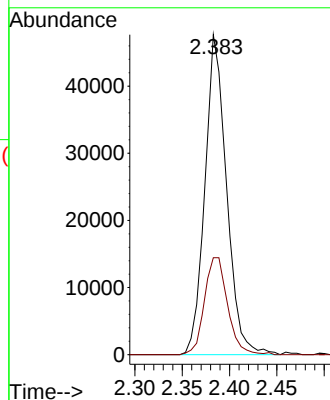
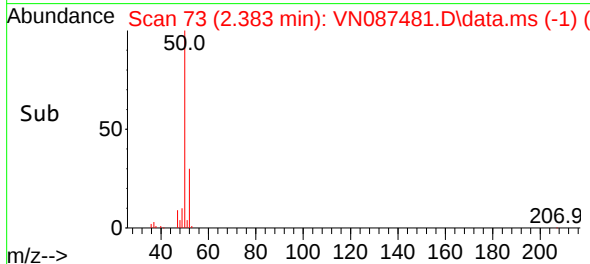
Instrument :
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ClientSampleId :
VSTDCCC020EC



Tgt Ion: 50 Resp: 7592
Ion Ratio Lower Upper
50 100
52 30.3 25.8 38.6

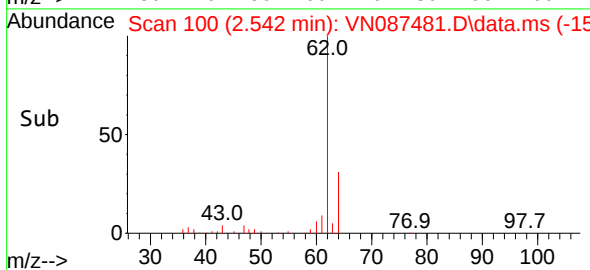
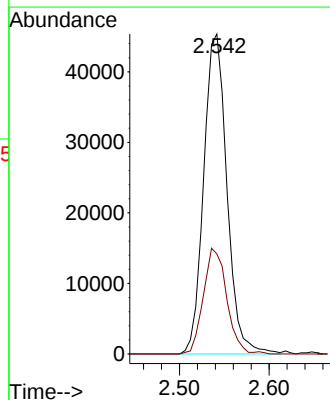
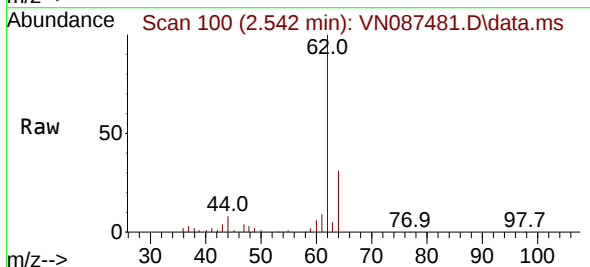
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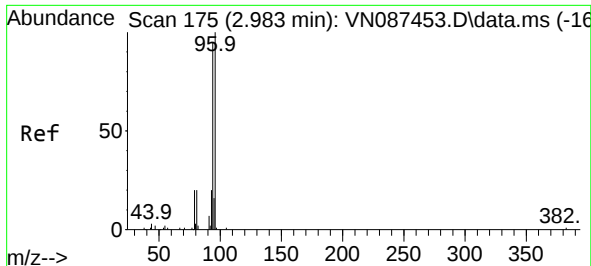
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#4
Vinyl Chloride
Concen: 19.202 ug/l
RT: 2.542 min Scan# 100
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

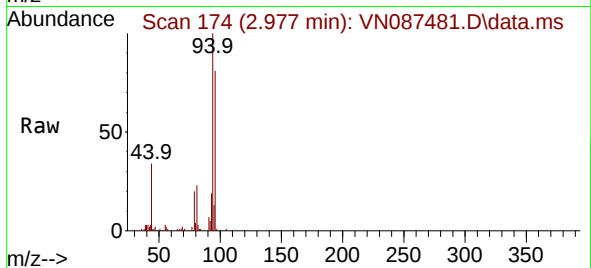
Tgt Ion: 62 Resp: 81595
Ion Ratio Lower Upper
62 100
64 31.3 23.4 35.2





#5
Bromomethane
Concen: 18.573 ug/l
RT: 2.977 min Scan# 174
Delta R.T. -0.006 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

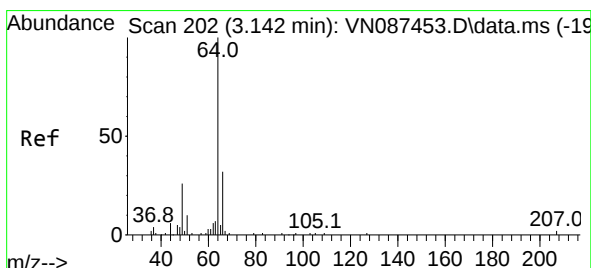
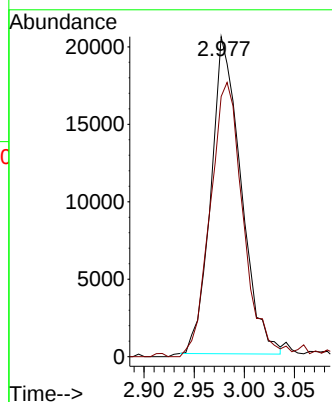
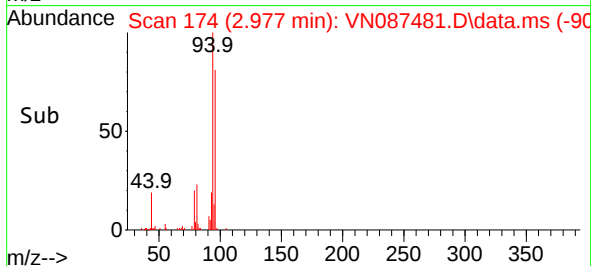
Instrument :
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VSTDCCC020EC



Tgt Ion: 94 Resp: 42720
Ion Ratio Lower Upper
94 100
96 82.1 84.2 126.4

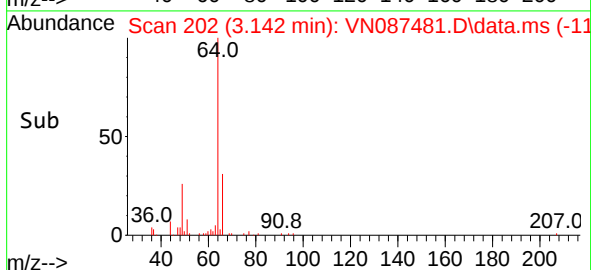
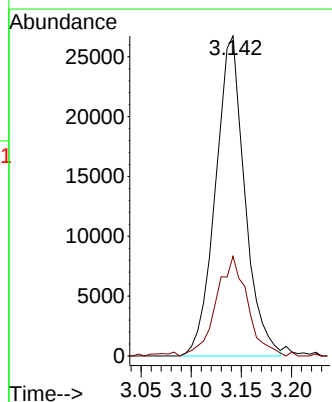
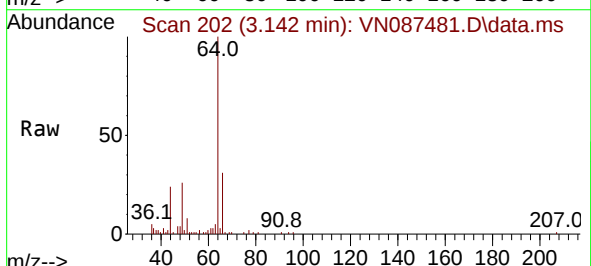
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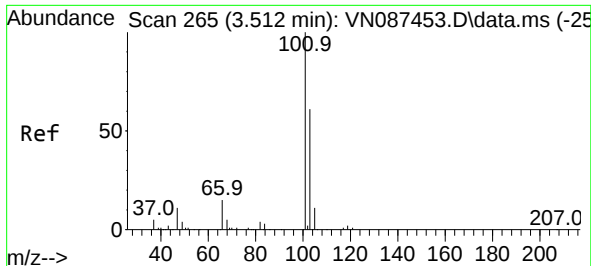
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#6
Chloroethane
Concen: 19.776 ug/l
RT: 3.142 min Scan# 202
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

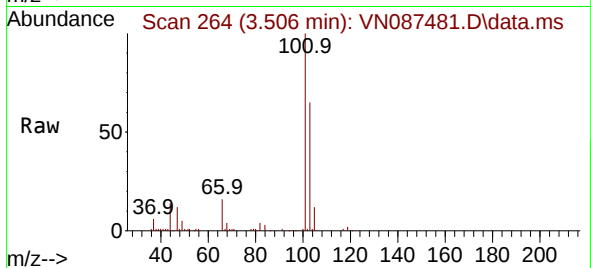
Tgt Ion: 64 Resp: 54189
Ion Ratio Lower Upper
64 100
66 31.1 25.4 38.0





#7
 Trichlorofluoromethane
 Concen: 19.318 ug/l
 RT: 3.506 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087481.D
 Acq: 06 Aug 2025 16:08

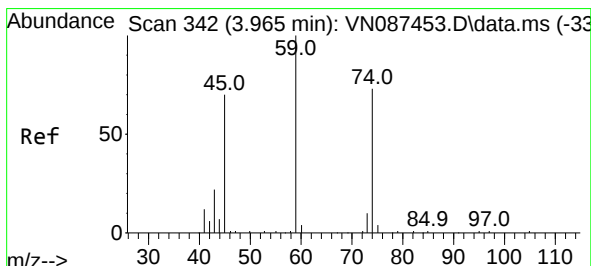
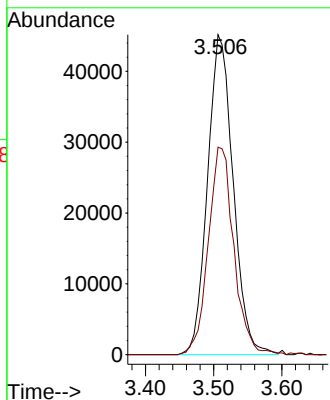
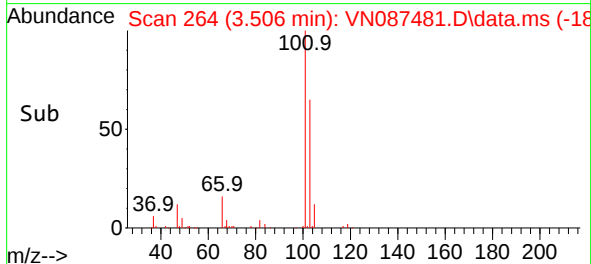
Instrument :
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 ClientSampleId :
 VSTDCCC020EC



Tgt Ion:101 Resp: 11814
 Ion Ratio Lower Upper
 101 100
 103 64.9 49.2 73.8

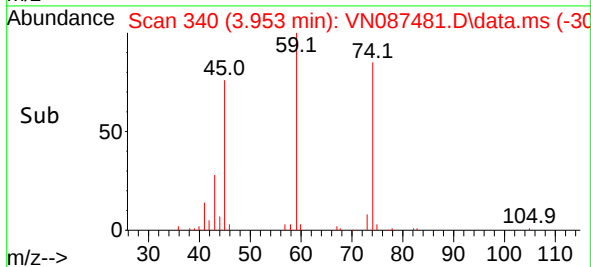
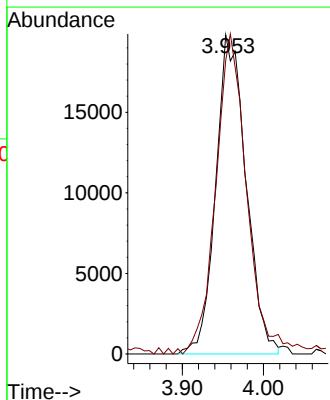
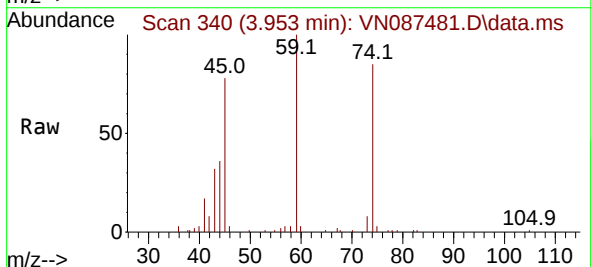
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#8
 Diethyl Ether
 Concen: 20.174 ug/l
 RT: 3.953 min Scan# 340
 Delta R.T. -0.012 min
 Lab File: VN087481.D
 Acq: 06 Aug 2025 16:08

Tgt Ion: 74 Resp: 51399
 Ion Ratio Lower Upper
 74 100
 45 99.6 20.1 180.9





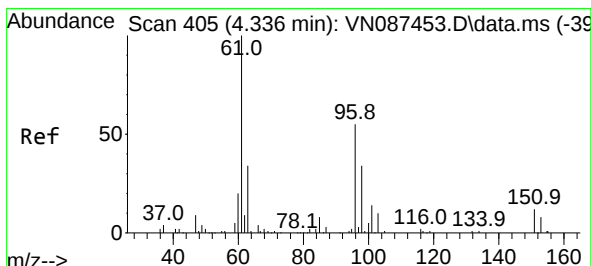
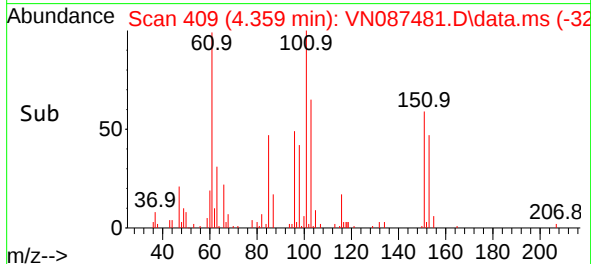
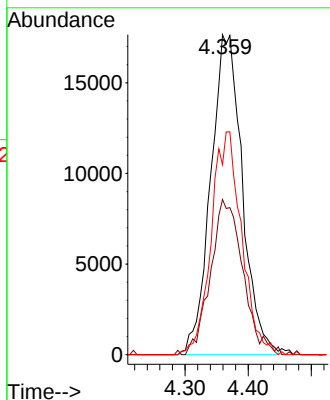
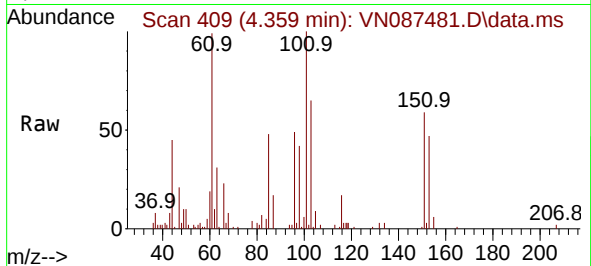
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.657 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.012 min
Lab File: VN087481.D
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Instrument :
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ClientSampleId :
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Tgt Ion:101 Resp: 6130
Ion Ratio Lower Upper
101 100
85 46.9 0.0 57.0
151 28.8 0.0 134.2

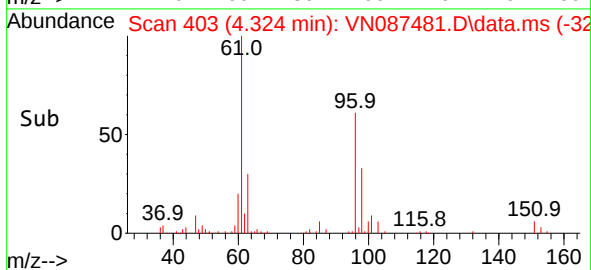
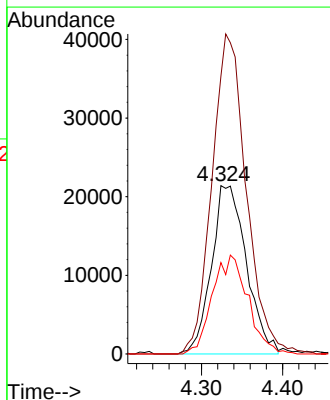
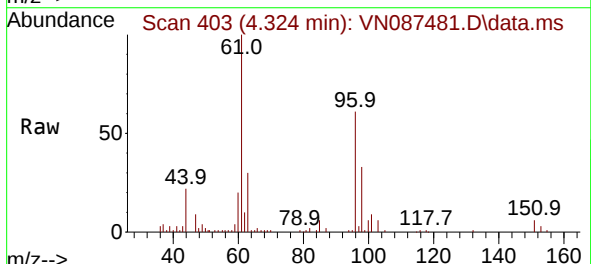
Manual Integrations
APPROVED

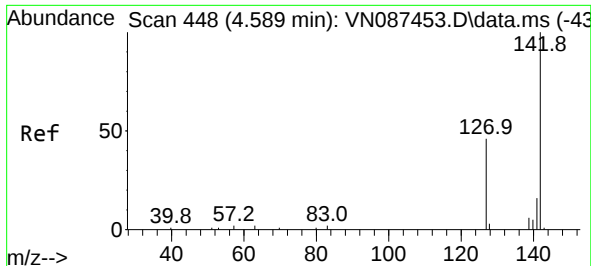
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#10
1,1-Dichloroethene
Concen: 19.564 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.012 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

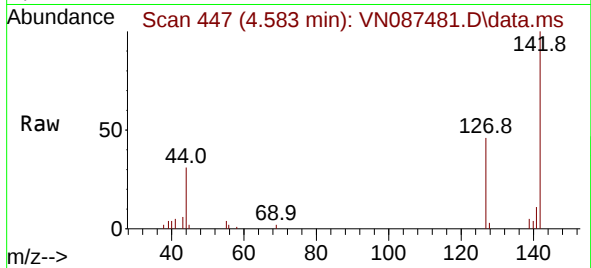
Tgt Ion: 96 Resp: 64088
Ion Ratio Lower Upper
96 100
61 165.0 144.2 216.4
98 54.3 49.7 74.5





#11
Methyl Iodide
Concen: 14.580 ug/l
RT: 4.583 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

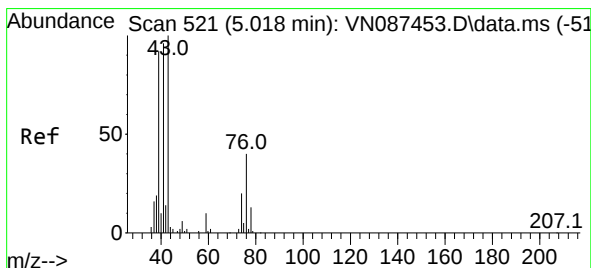
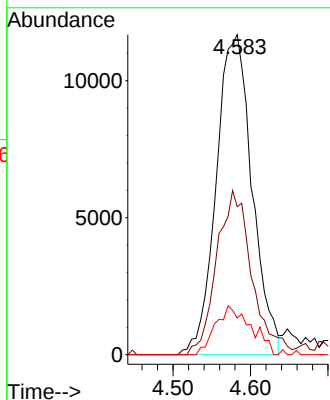
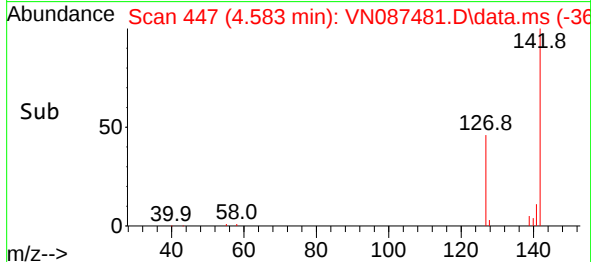
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:142 Resp: 37600
Ion Ratio Lower Upper
142 100
127 44.9 22.9 68.7
141 11.8 7.7 23.1

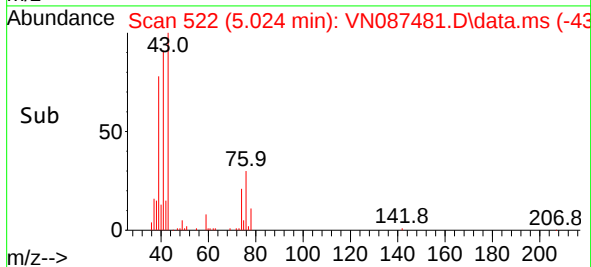
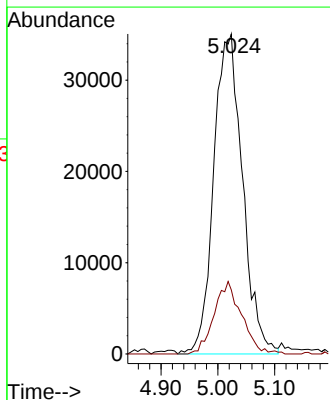
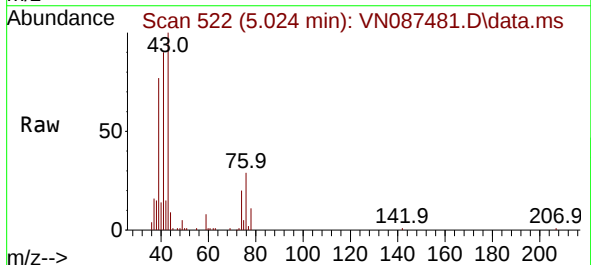
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#12
Methyl Acetate
Concen: 20.399 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

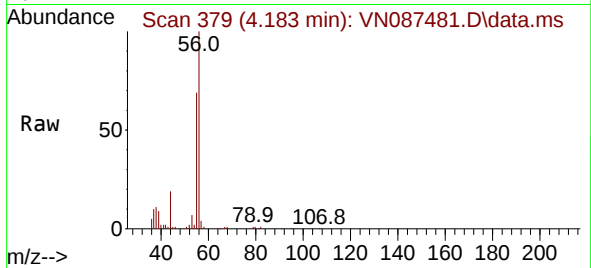
Tgt Ion: 43 Resp: 123313
Ion Ratio Lower Upper
43 100
74 19.9 16.0 24.0





#13
Acrolein
Concen: 116.676 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

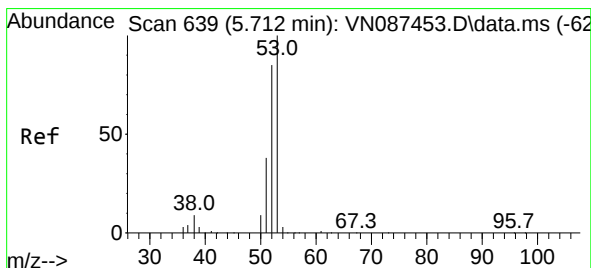
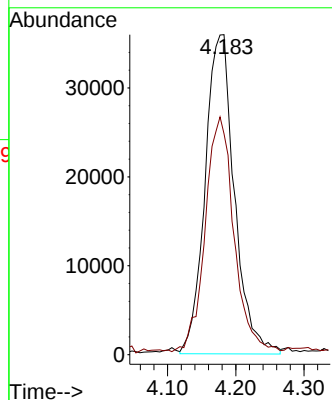
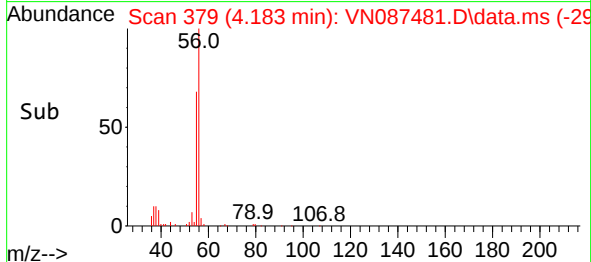
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 56 Resp: 107724
Ion Ratio Lower Upper
56 100
55 71.2 57.4 86.0

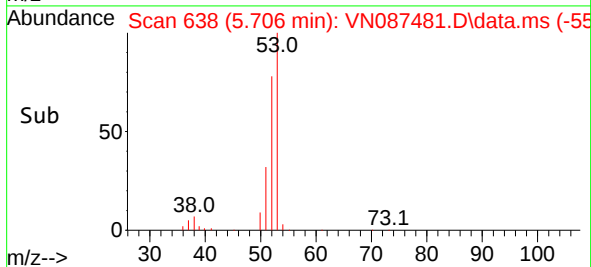
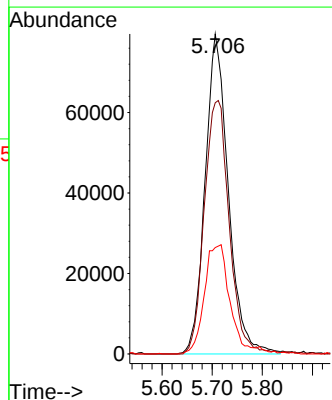
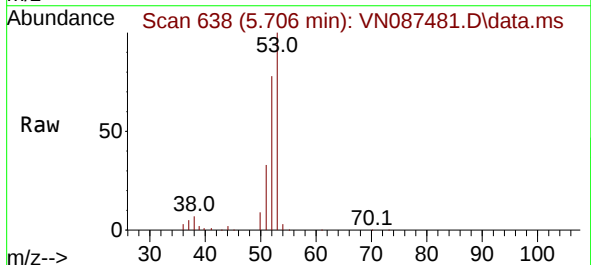
Manual Integrations
APPROVED

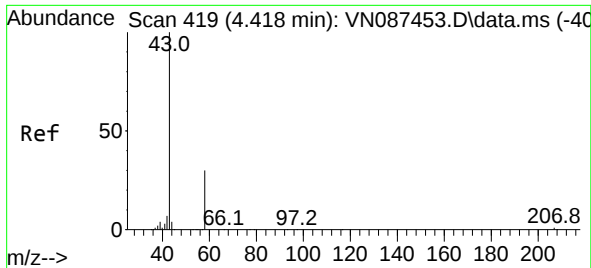
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#14
Acrylonitrile
Concen: 96.821 ug/l
RT: 5.706 min Scan# 638
Delta R.T. -0.006 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

Tgt Ion: 53 Resp: 255571
Ion Ratio Lower Upper
53 100
52 84.9 42.4 127.2
51 0.4 18.5 55.5#





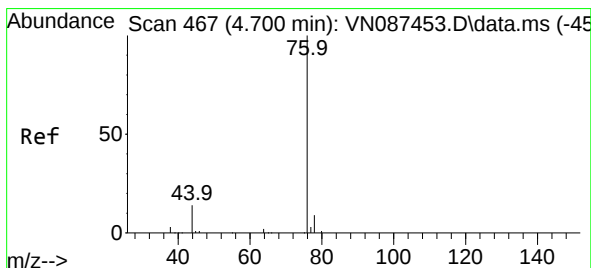
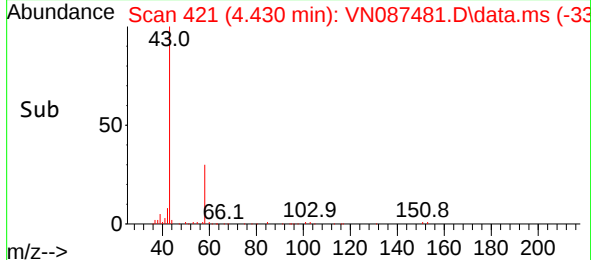
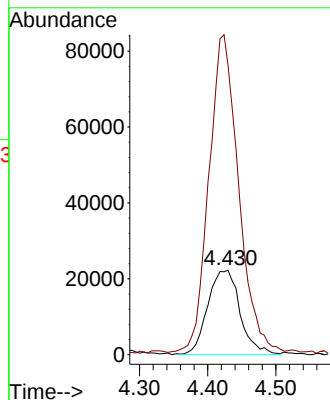
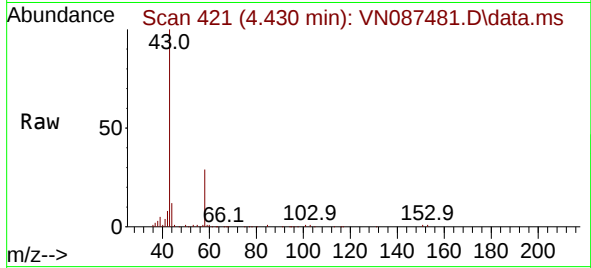
#15
Acetone
Concen: 97.407 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 58 Resp: 7346
Ion Ratio Lower Upper
58 100
43 338.9 268.9 403.3

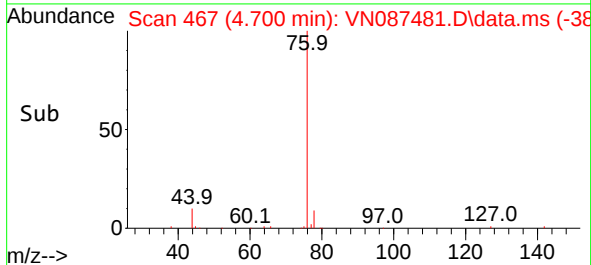
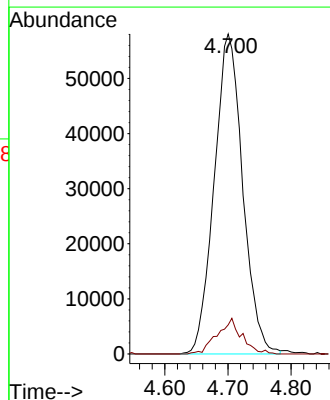
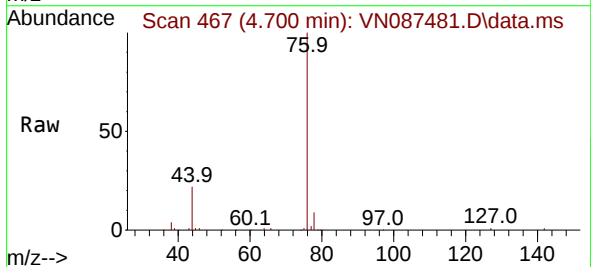
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#16
Carbon Disulfide
Concen: 17.905 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

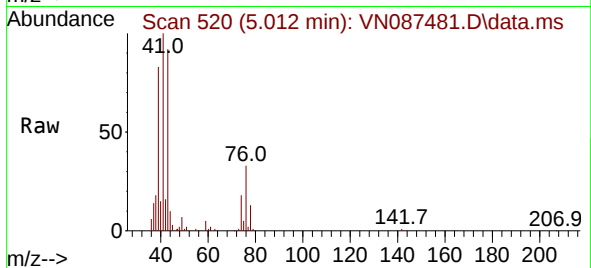
Tgt Ion: 76 Resp: 181934
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7





#17
 Allyl chloride
 Concen: 18.941 ug/l
 RT: 5.012 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN087481.D
 Acq: 06 Aug 2025 16:08

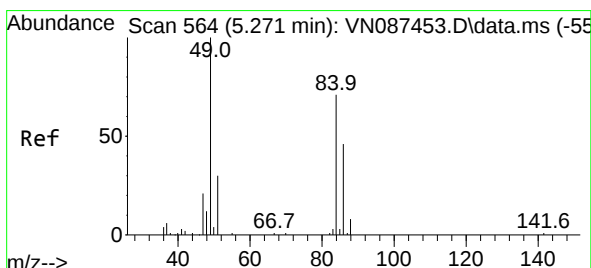
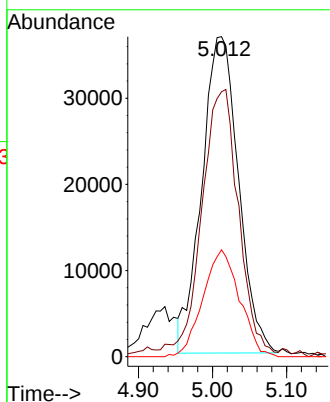
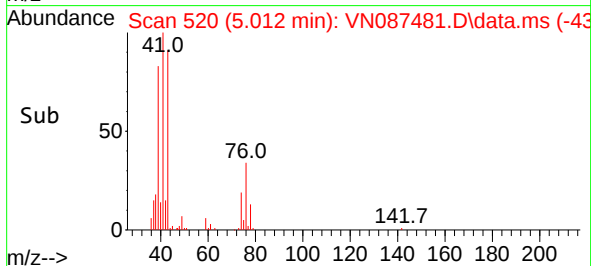
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion: 41 Resp: 12646
 Ion Ratio Lower Upper
 41 100
 39 82.9 42.4 127.2
 76 33.9 16.9 50.6

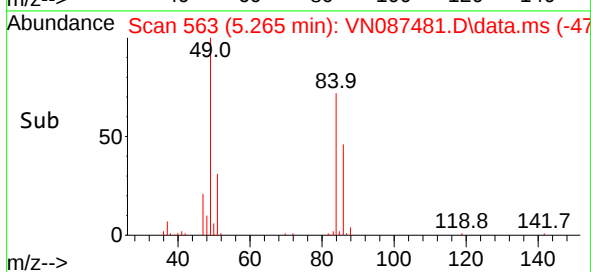
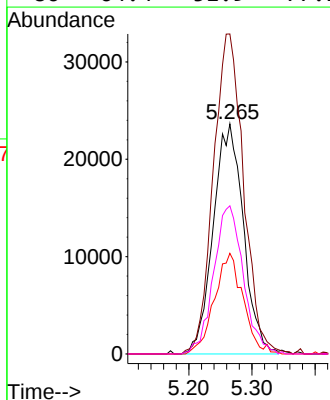
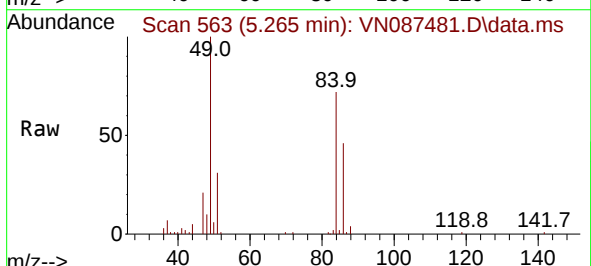
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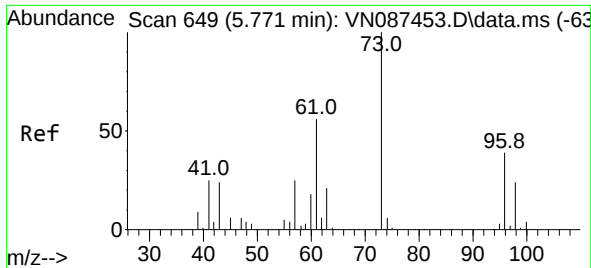
Reviewed By :John Carlone 08/07/2025
 Supervised By :Mahesh Dadoda 08/07/2025



#18
 Methylene Chloride
 Concen: 18.577 ug/l
 RT: 5.265 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: VN087481.D
 Acq: 06 Aug 2025 16:08

Tgt Ion: 84 Resp: 78340
 Ion Ratio Lower Upper
 84 100
 49 139.1 112.9 169.3
 51 43.7 33.8 50.8
 86 64.4 51.9 77.9





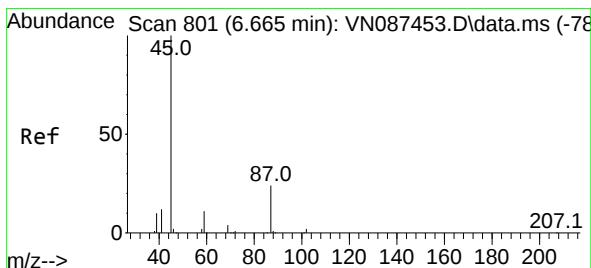
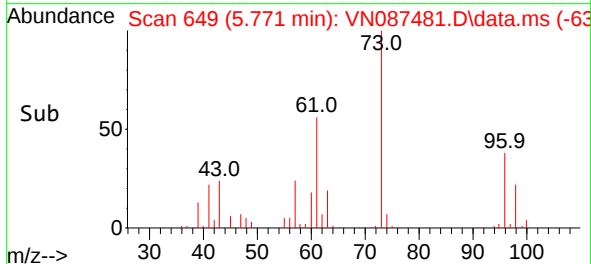
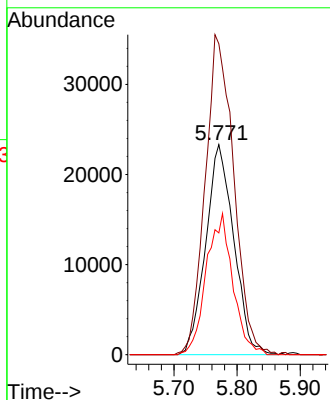
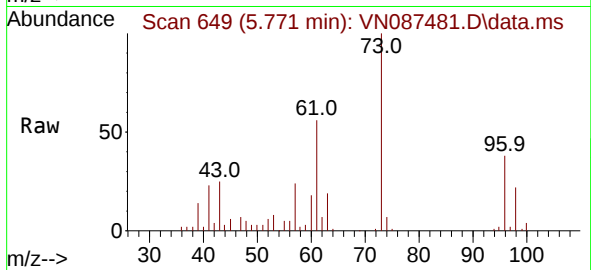
#19
trans-1,2-Dichloroethene
Concen: 18.484 ug/l
RT: 5.771 min Scan# 649
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 96 Resp: 7200
Ion Ratio Lower Upper
96 100
61 148.0 114.2 171.4
98 58.0 48.7 73.1

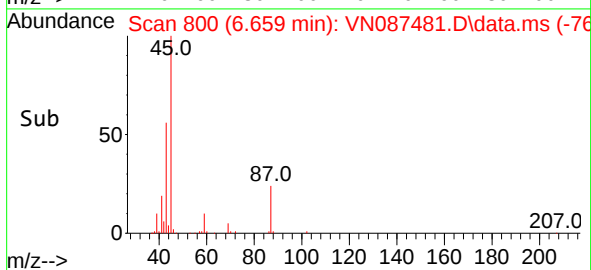
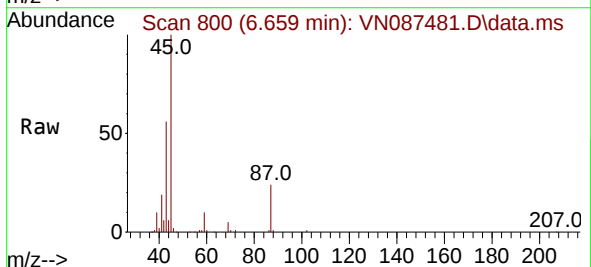
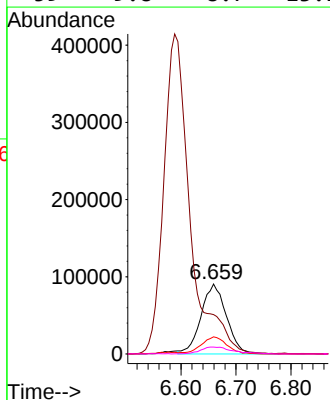
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#20
Diisopropyl ether
Concen: 19.078 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.006 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

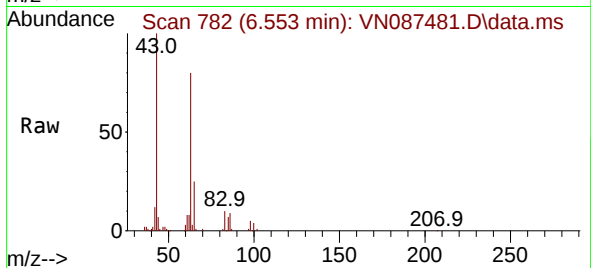
Tgt Ion: 45 Resp: 290173
Ion Ratio Lower Upper
45 100
43 55.3 44.7 67.1
87 24.5 20.2 30.2
59 9.8 8.7 13.1





#21
1,1-Dichloroethane
Concen: 19.175 ug/l
RT: 6.553 min Scan# 782
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

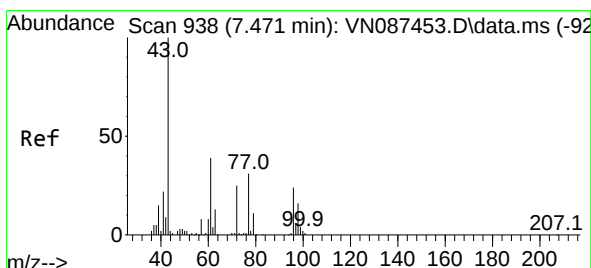
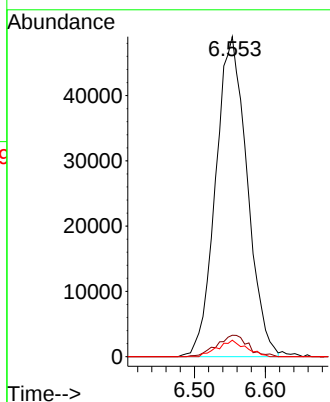
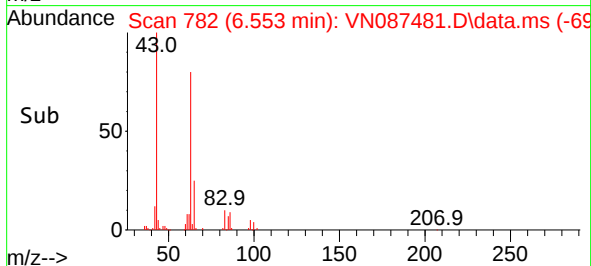
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



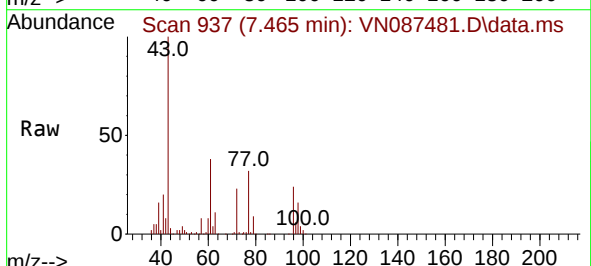
Tgt Ion: 63 Resp: 150759
Ion Ratio Lower Upper
63 100
98 6.7 3.0 9.0
100 5.2 1.9 5.7

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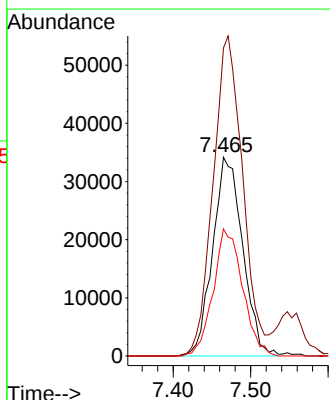
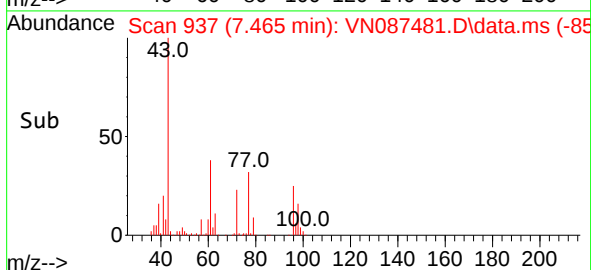
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#22
cis-1,2-Dichloroethene
Concen: 19.172 ug/l
RT: 7.465 min Scan# 937
Delta R.T. -0.006 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08



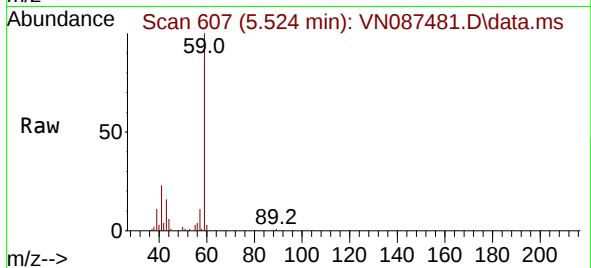
Tgt Ion: 96 Resp: 91892
Ion Ratio Lower Upper
96 100
61 158.3 126.6 190.0
98 62.5 50.9 76.3





#23
tert-Butyl Alcohol
Concen: 95.432 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

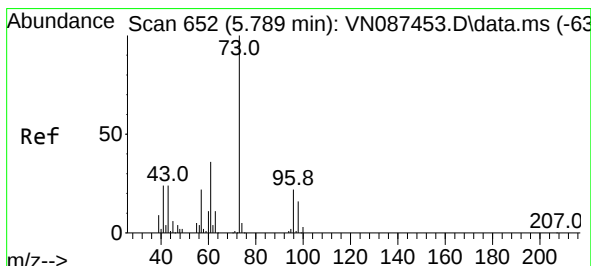
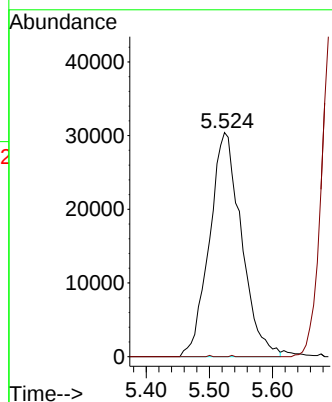
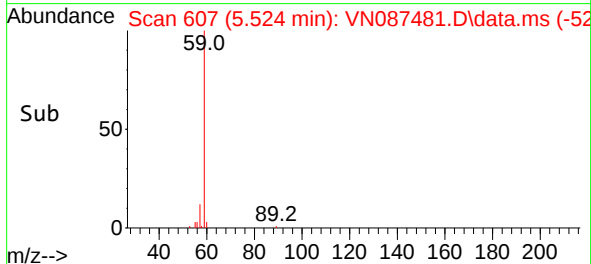
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 59 Resp: 10704
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

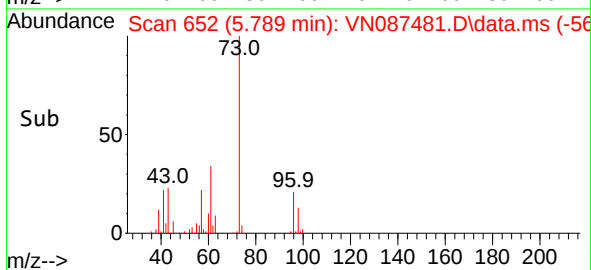
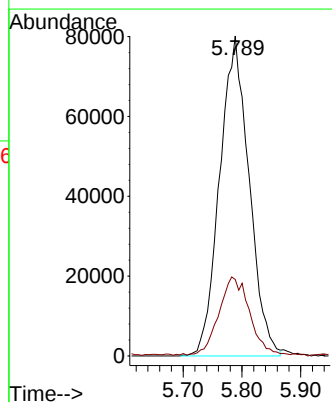
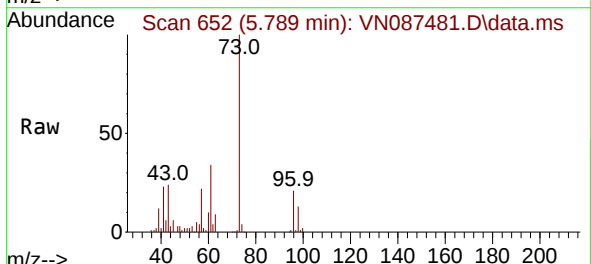
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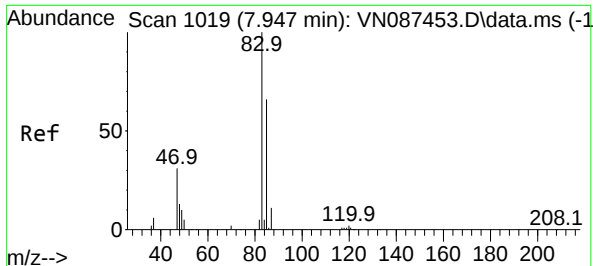
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#24
Methyl tert-Butyl Ether
Concen: 18.638 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

Tgt Ion: 73 Resp: 278206
Ion Ratio Lower Upper
73 100
43 25.7 19.9 29.9





#25

Chloroform

Concen: 19.599 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VN087481.D

Acq: 06 Aug 2025 16:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 83 Resp: 16084

Ion Ratio Lower Upper

83 100

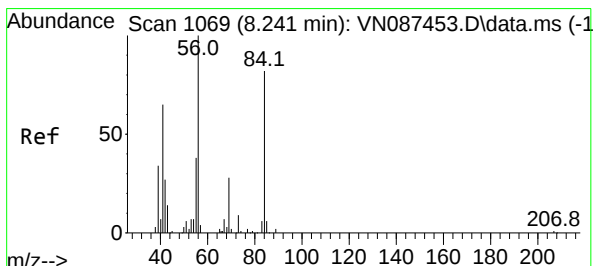
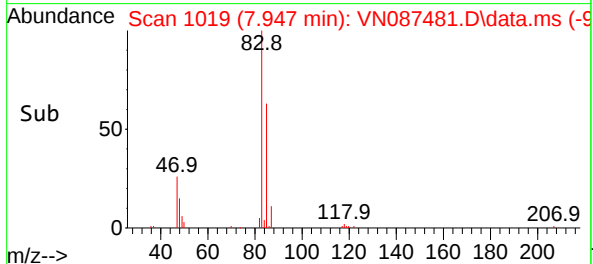
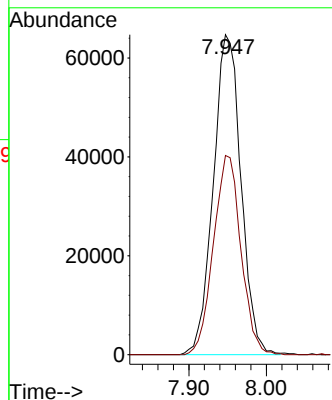
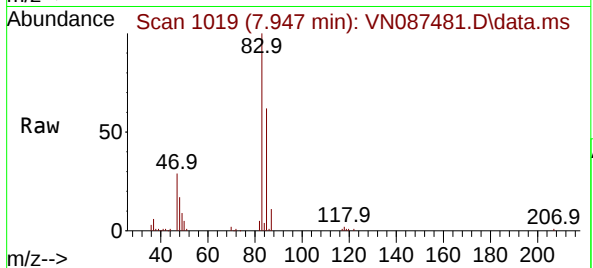
85 62.3 52.6 78.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/07/2025

Supervised By :Mahesh Dadoda 08/07/2025



#26

Cyclohexane

Concen: 19.770 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VN087481.D

Acq: 06 Aug 2025 16:08

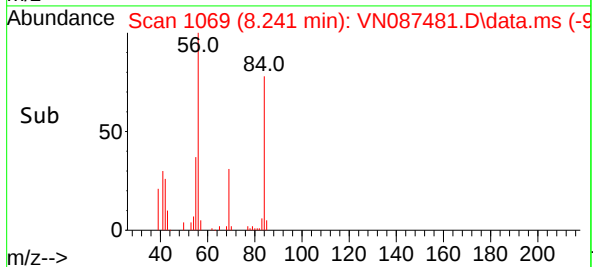
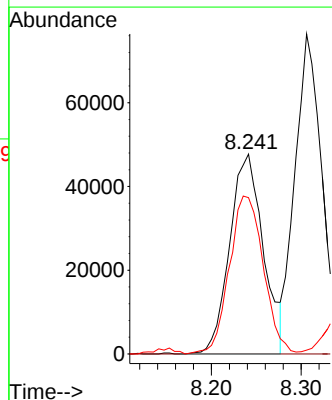
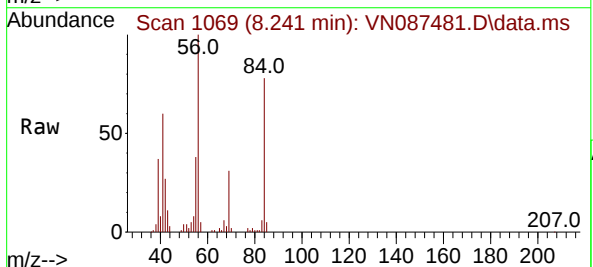
Tgt Ion: 56 Resp: 124450

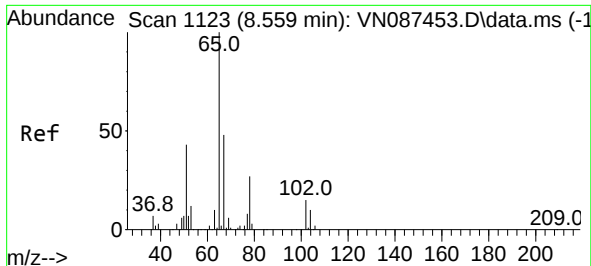
Ion Ratio Lower Upper

56 100

89 0.0 2.3 3.5#

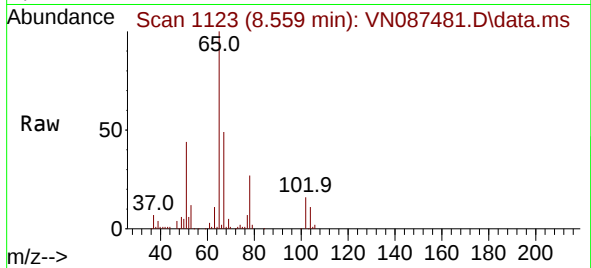
84 79.9 67.0 100.4





#27
1,2-Dichloroethane-d4
Concen: 30.964 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

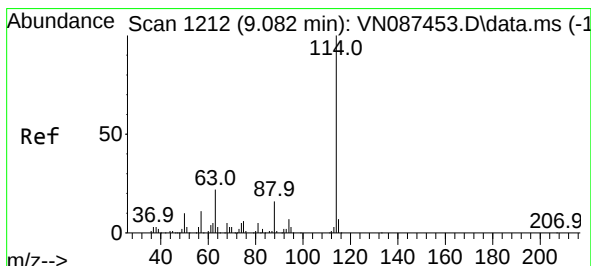
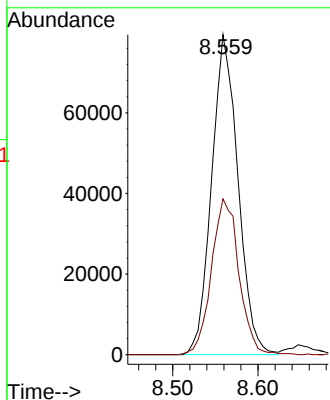
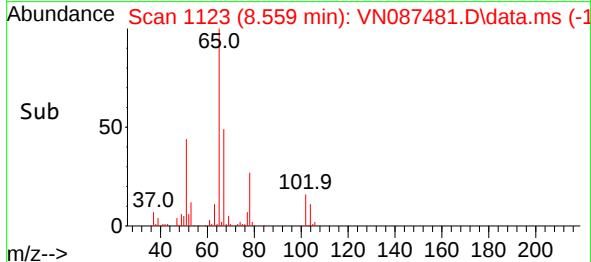
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 65 Resp: 170810
Ion Ratio Lower Upper
65 100
67 50.6 40.8 61.2

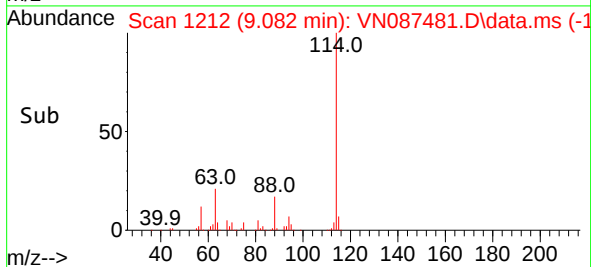
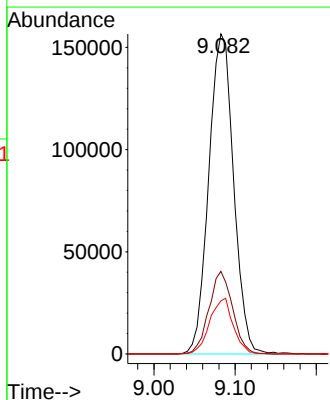
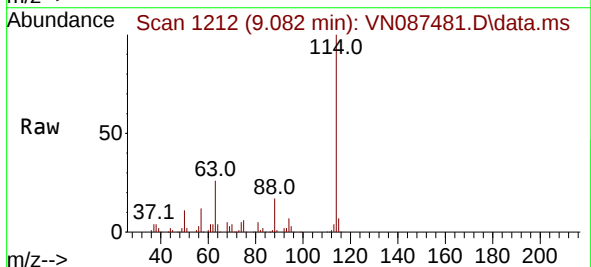
Manual Integrations
APPROVED

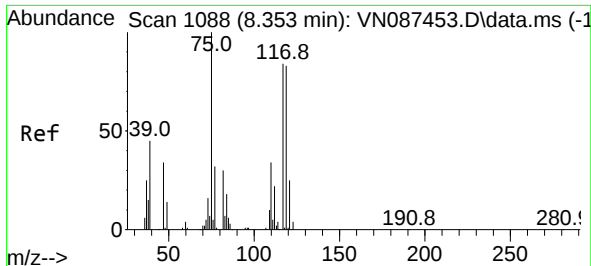
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

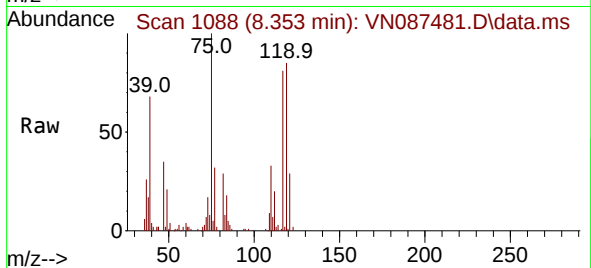
Tgt Ion:114 Resp: 333172
Ion Ratio Lower Upper
114 100
63 24.5 18.9 28.3
88 16.5 13.1 19.7





#29
1,1-Dichloropropene
Concen: 18.767 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

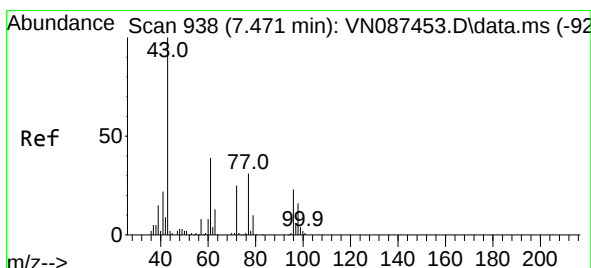
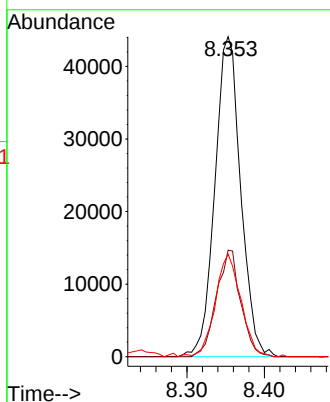
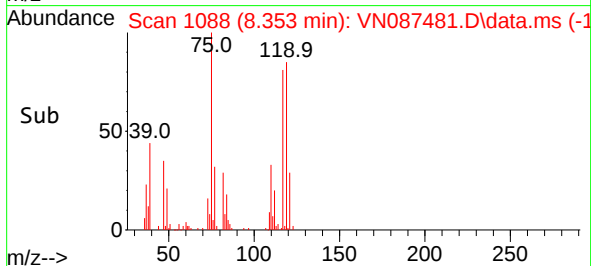
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 101980
Ion Ratio Lower Upper
75 100
110 31.3 0.0 65.8
77 31.5 0.0 63.6

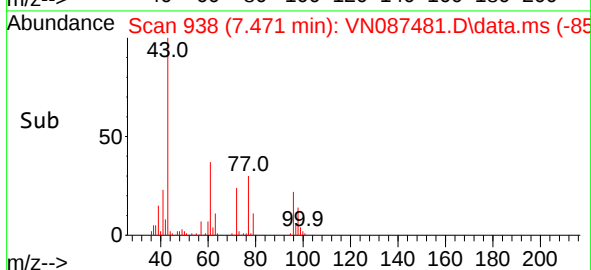
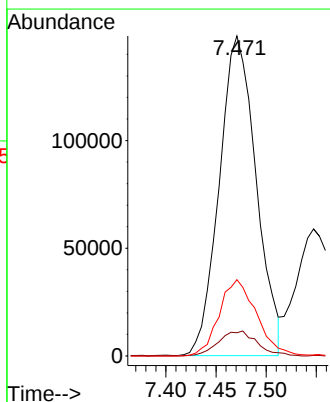
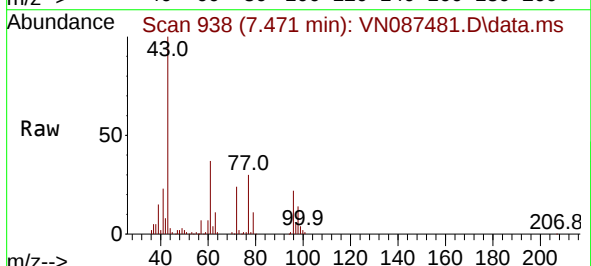
Manual Integrations
APPROVED

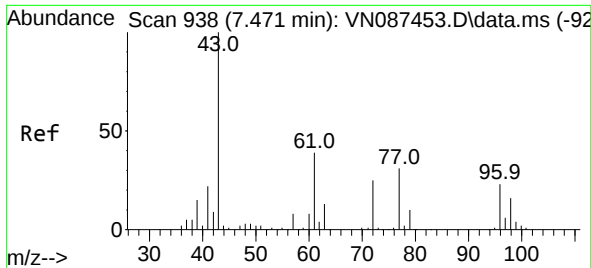
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#30
2-Butanone
Concen: 94.916 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

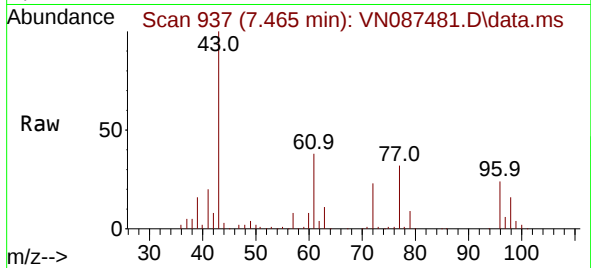
Tgt Ion: 43 Resp: 380191
Ion Ratio Lower Upper
43 100
57 8.2 6.6 9.8
72 24.2 19.7 29.5





#31
2,2-Dichloropropane
Concen: 18.885 ug/l
RT: 7.465 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

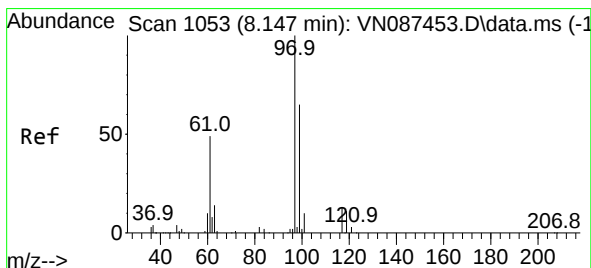
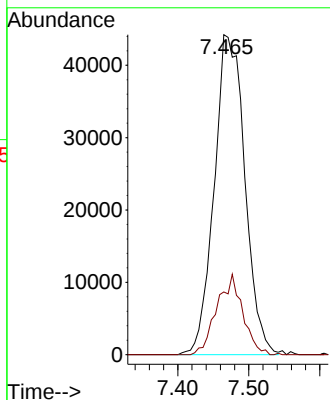
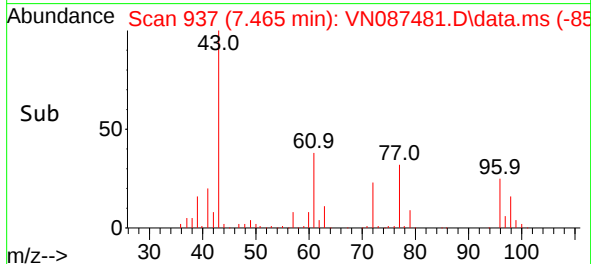
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 77 Resp: 13235
Ion Ratio Lower Upper
77 100
97 10.7 16.7 25.1

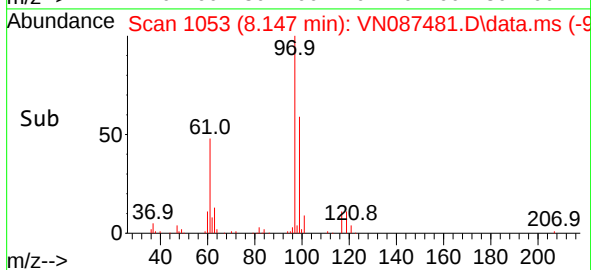
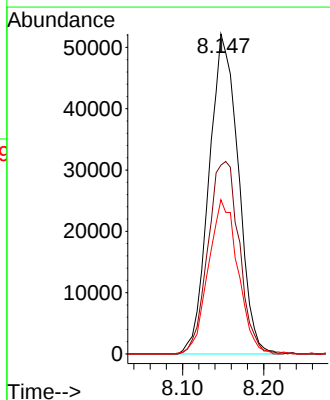
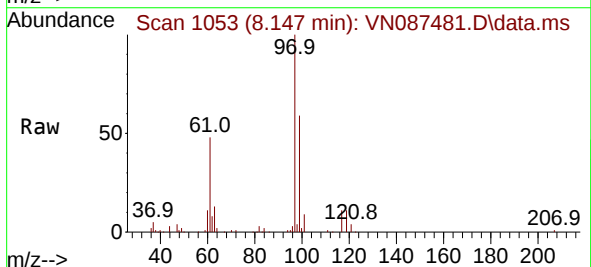
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#32
1,1,1-Trichloroethane
Concen: 18.868 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

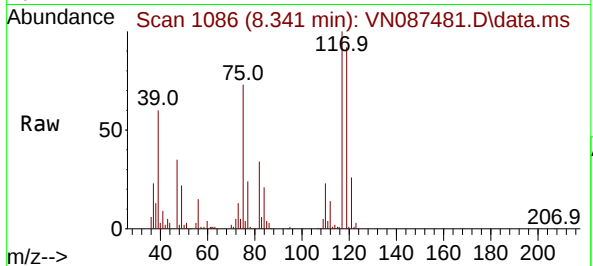
Tgt Ion: 97 Resp: 130763
Ion Ratio Lower Upper
97 100
99 64.1 53.0 79.6
61 48.8 40.6 61.0





#33
Carbon Tetrachloride
Concen: 18.544 ug/l
RT: 8.341 min Scan# 1086
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

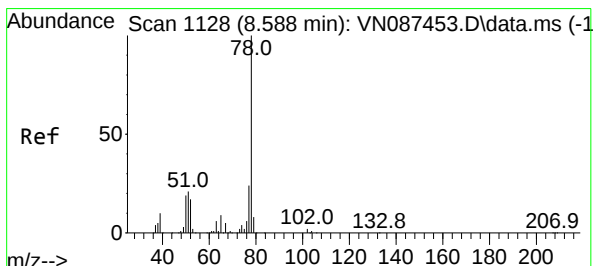
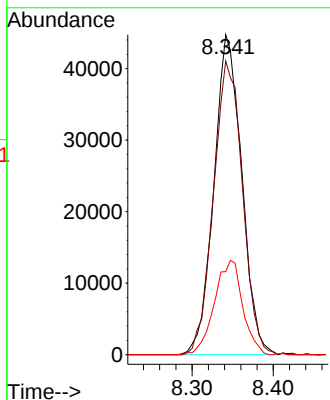
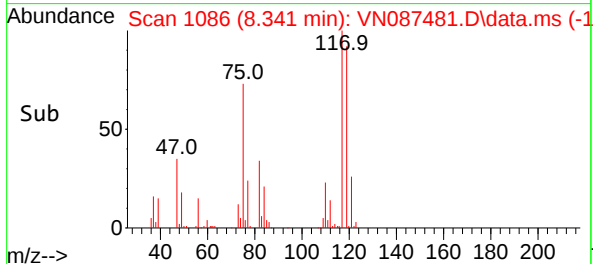
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 117 Resp: 10676
Ion Ratio Lower Upper
117 100
119 91.8 73.4 110.0
121 25.9 21.1 31.7

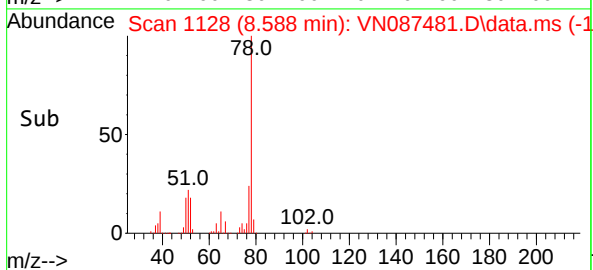
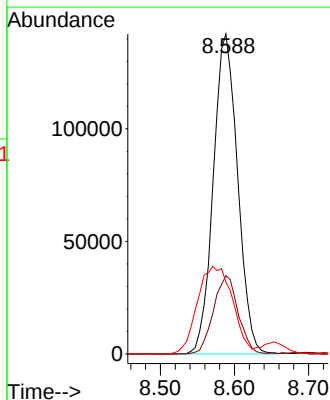
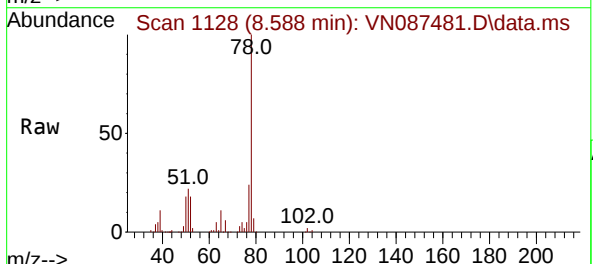
Manual Integrations
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Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#34
Benzene
Concen: 18.899 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

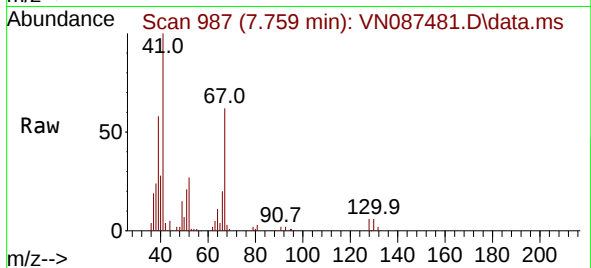
Tgt Ion: 78 Resp: 324182
Ion Ratio Lower Upper
78 100
77 24.5 19.2 28.8
51 21.7 16.9 25.3





#35
Methacrylonitrile
Concen: 18.369 ug/l
RT: 7.759 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

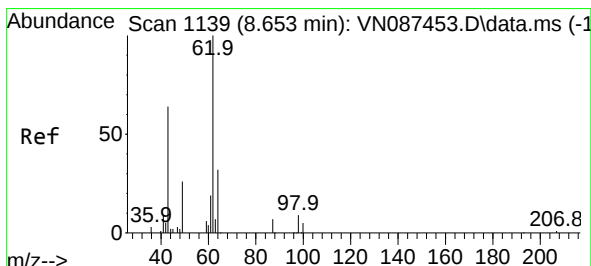
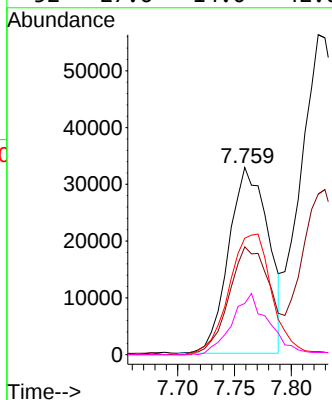
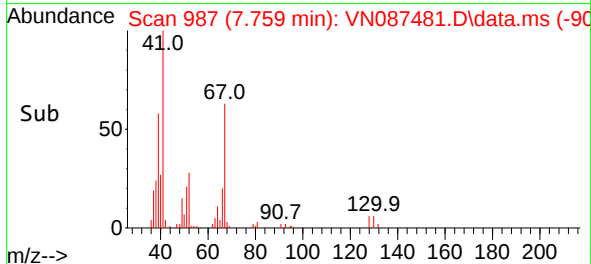
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 41 Resp: 79398
Ion Ratio Lower Upper
41 100
39 58.1 30.1 90.5
67 62.7 32.0 96.2
52 27.6 14.0 42.0

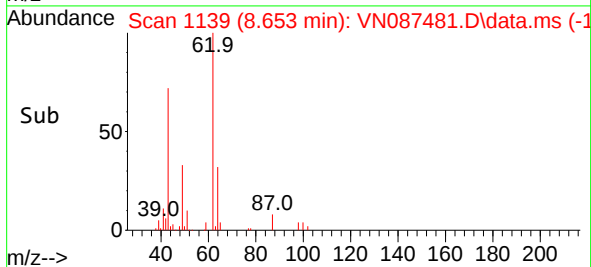
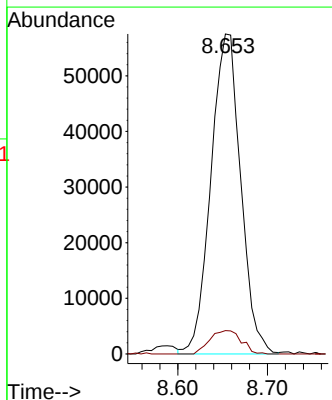
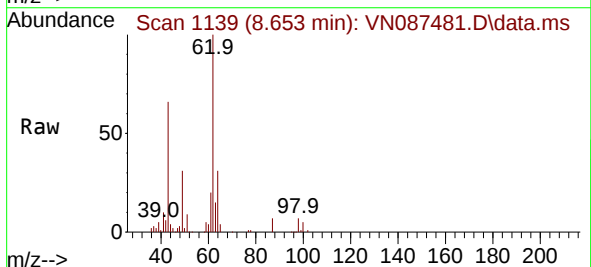
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#36
1,2-Dichloroethane
Concen: 19.146 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

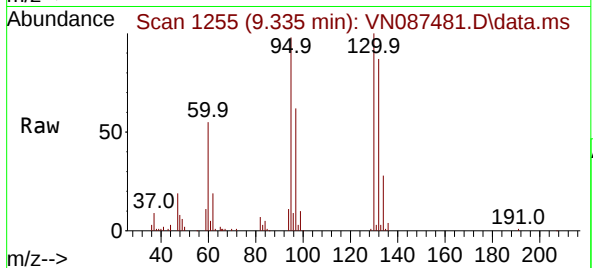
Tgt Ion: 62 Resp: 132738
Ion Ratio Lower Upper
62 100
98 7.8 6.6 9.8





#37
 Trichloroethene
 Concen: 18.954 ug/l
 RT: 9.335 min Scan# 1255
 Delta R.T. -0.000 min
 Lab File: VN087481.D
 Acq: 06 Aug 2025 16:08

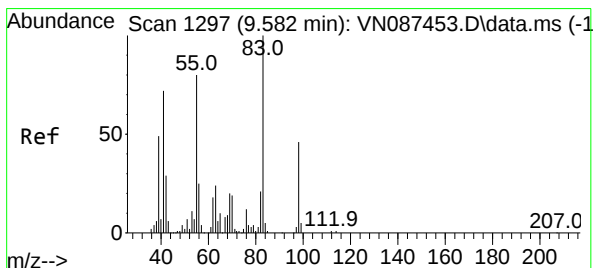
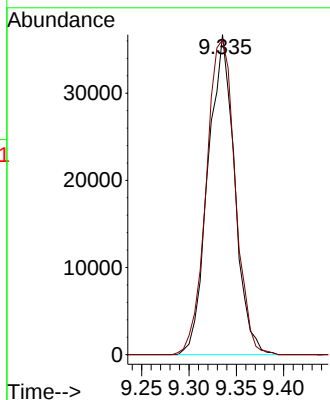
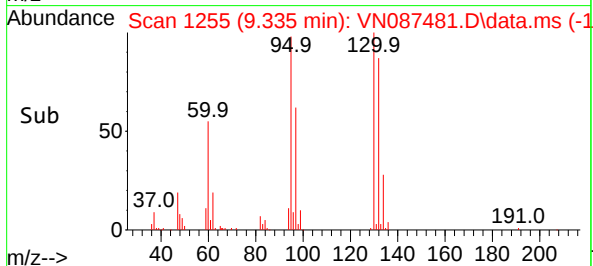
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



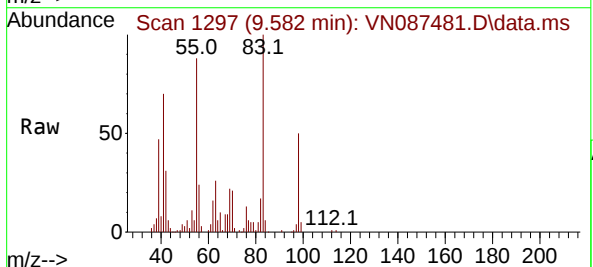
Tgt Ion:130 Resp: 71620
 Ion Ratio Lower Upper
 130 100
 95 98.4 91.4 137.2

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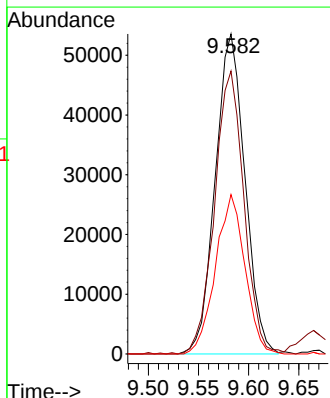
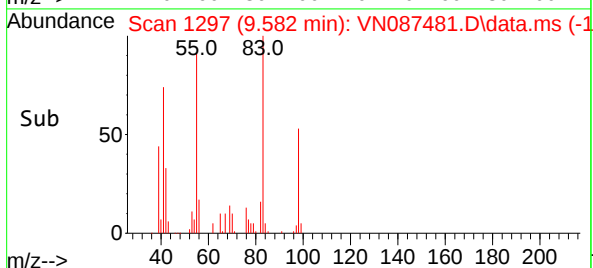
Reviewed By :John Carlone 08/07/2025
 Supervised By :Mahesh Dadoda 08/07/2025

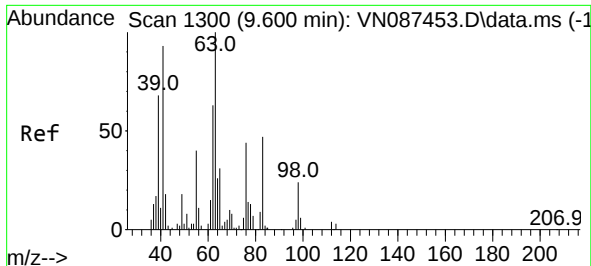


#38
 Methylcyclohexane
 Concen: 17.476 ug/l
 RT: 9.582 min Scan# 1297
 Delta R.T. -0.000 min
 Lab File: VN087481.D
 Acq: 06 Aug 2025 16:08



Tgt Ion: 83 Resp: 110169
 Ion Ratio Lower Upper
 83 100
 55 87.5 41.2 123.6
 98 49.4 23.3 69.9





#39

1,2-Dichloropropane

Concen: 18.889 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.000 min

Lab File: VN087481.D

Acq: 06 Aug 2025 16:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 8307

Ion Ratio Lower Upper

63 100

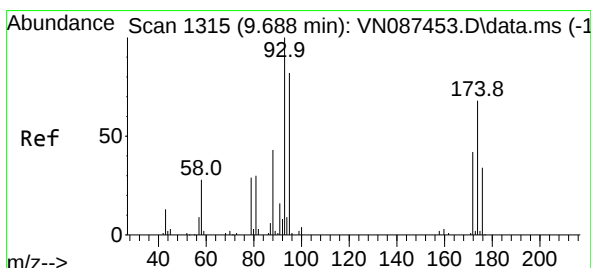
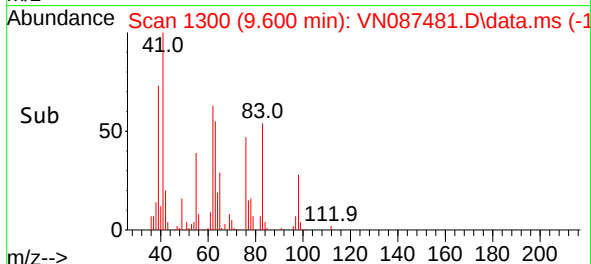
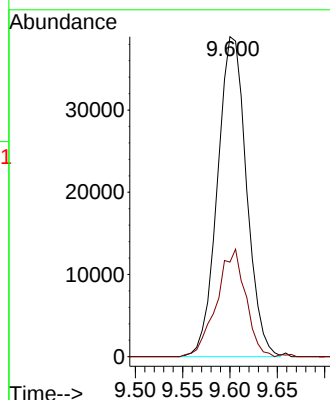
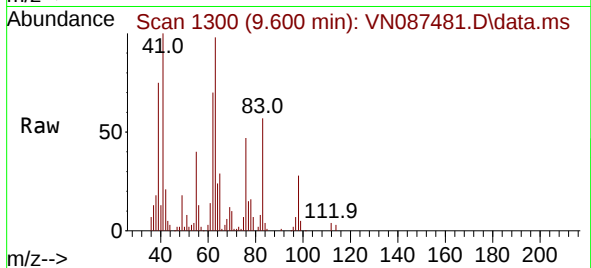
65 29.6 24.6 36.8

Manual Integrations

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Reviewed By :John Carlone 08/07/2025

Supervised By :Mahesh Dadoda 08/07/2025



#40

Dibromomethane

Concen: 18.559 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VN087481.D

Acq: 06 Aug 2025 16:08

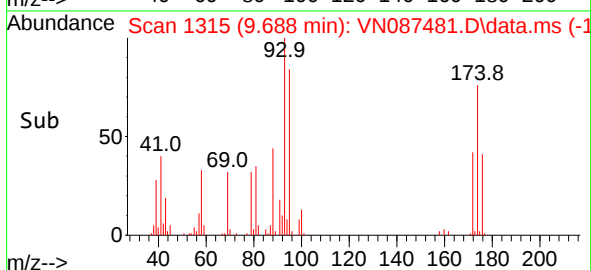
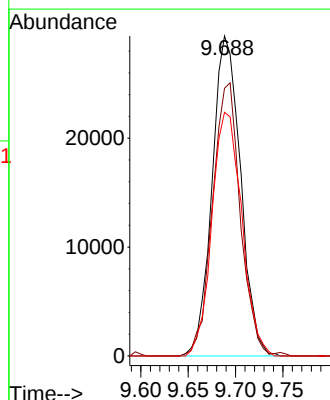
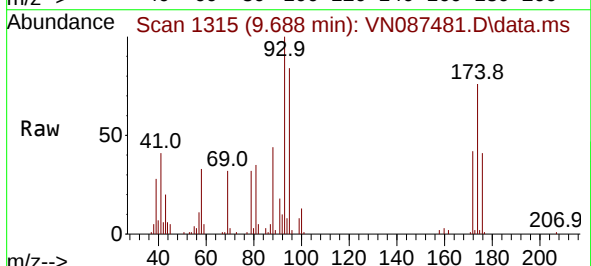
Tgt Ion: 93 Resp: 61242

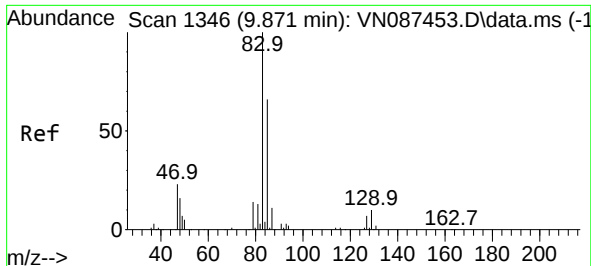
Ion Ratio Lower Upper

93 100

95 83.9 0.0 161.6

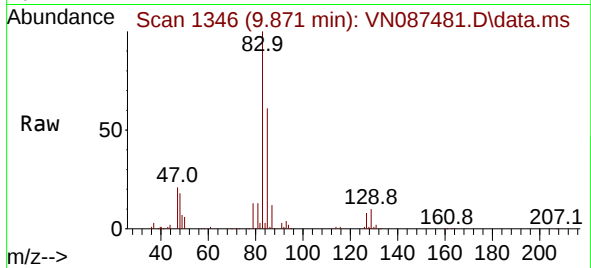
174 80.1 0.0 151.4





#41
Bromodichloromethane
Concen: 18.705 ug/l
RT: 9.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

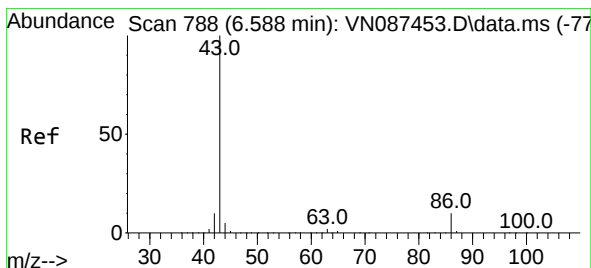
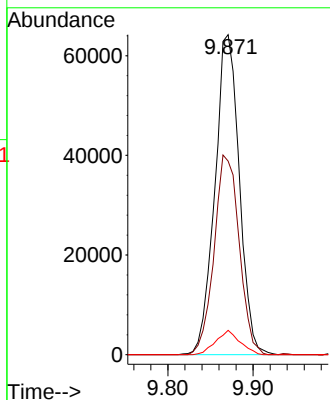
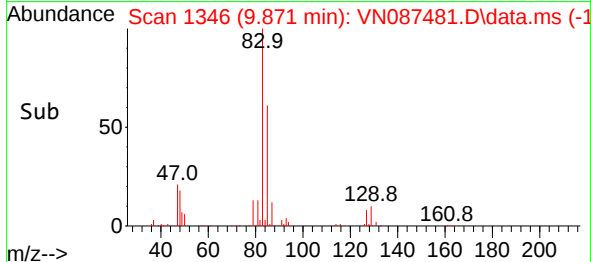
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 83 Resp: 12825
Ion Ratio Lower Upper
83 100
85 60.5 52.9 79.3
127 7.6 5.8 8.6

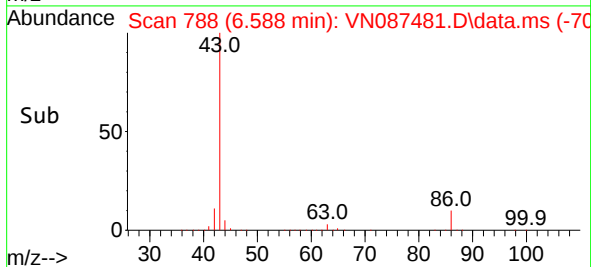
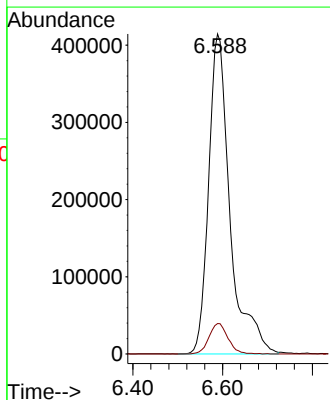
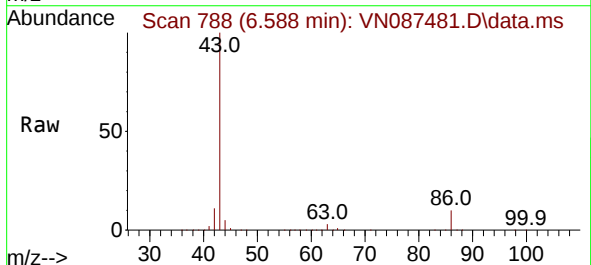
Manual Integrations
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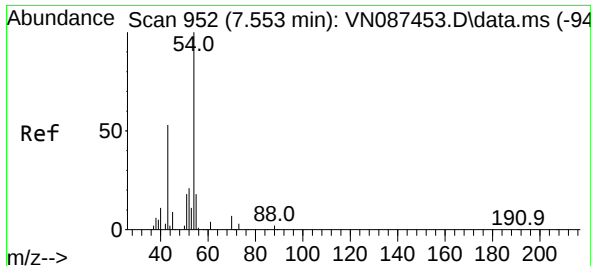
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#42
Vinyl Acetate
Concen: 104.142 ug/l
RT: 6.588 min Scan# 788
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

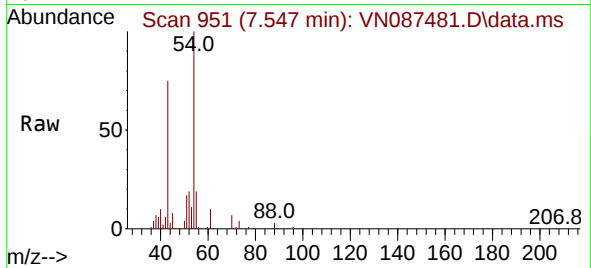
Tgt Ion: 43 Resp: 1373736
Ion Ratio Lower Upper
43 100
86 8.4 7.3 10.9





#43
Ethyl Acetate
Concen: 20.808 ug/l
RT: 7.547 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

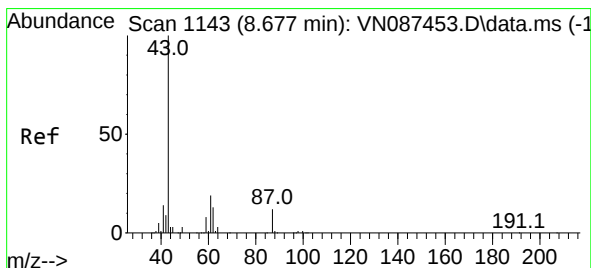
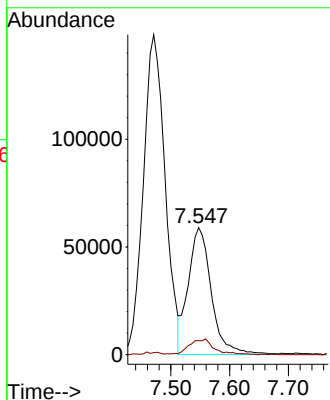
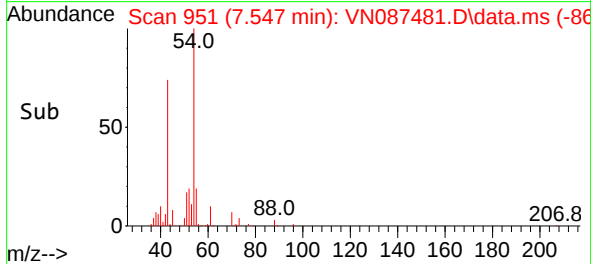
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 161020
Ion Ratio Lower Upper
43 100
45 5.3 11.1 16.75

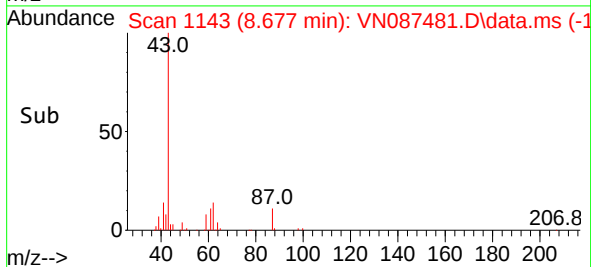
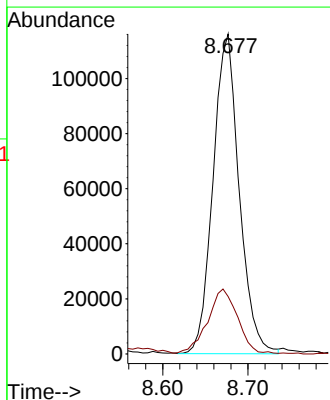
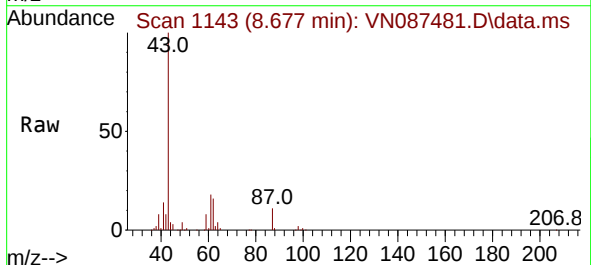
Manual Integrations
APPROVED

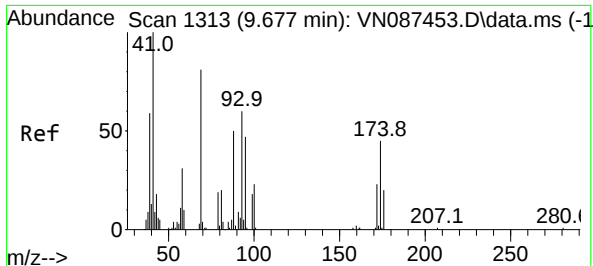
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#44
Isopropyl Acetate
Concen: 18.865 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

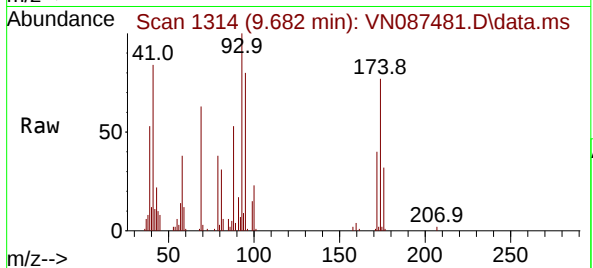
Tgt Ion: 43 Resp: 247457
Ion Ratio Lower Upper
43 100
61 23.2 18.6 28.0





#45
1,4-Dioxane
Concen: 380.717 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

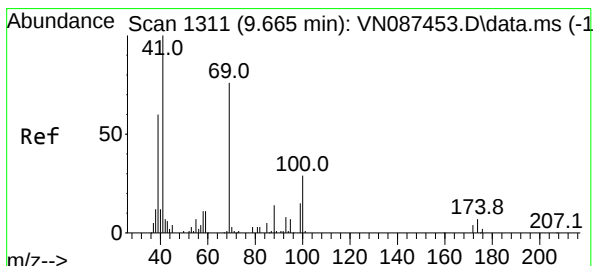
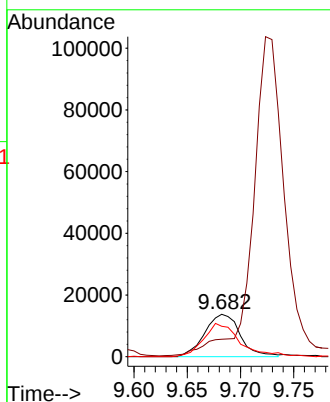
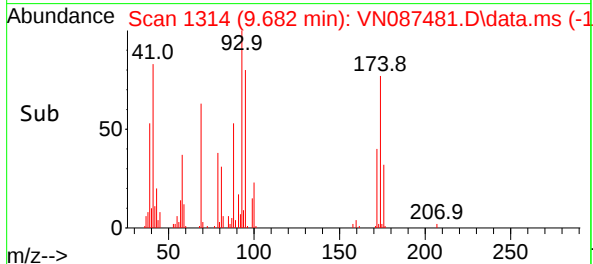
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



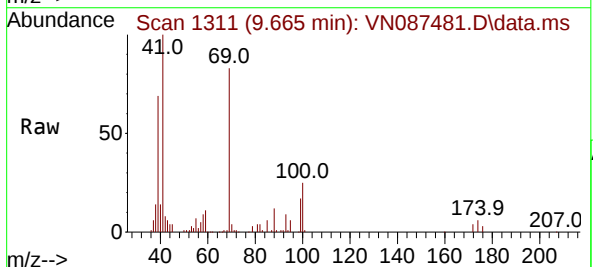
Tgt Ion: 88 Resp: 31830
Ion Ratio Lower Upper
88 100
43 616.3 24.1 36.1
58 77.7 57.2 85.8

Manual Integrations
APPROVED

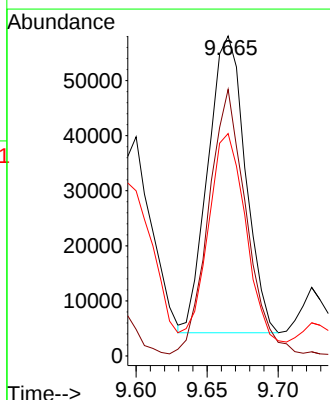
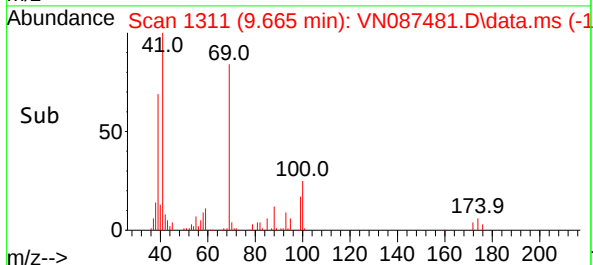
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

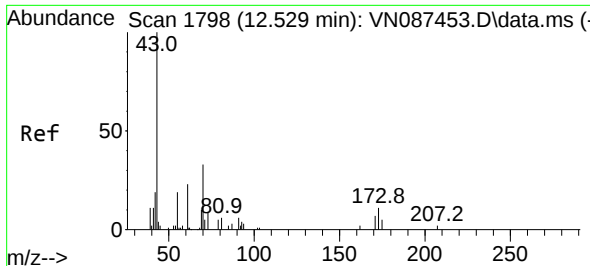


#46
Methyl methacrylate
Concen: 15.958 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08



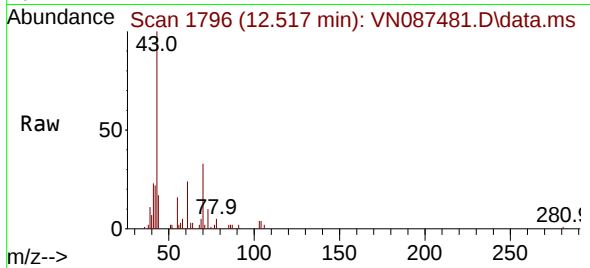
Tgt Ion: 41 Resp: 98809
Ion Ratio Lower Upper
41 100
69 87.5 37.1 111.5
39 69.8 30.7 92.1





#47
n-amy1 Acetate
Concen: 19.134 ug/l m
RT: 12.517 min Scan# 1798
Delta R.T. -0.012 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

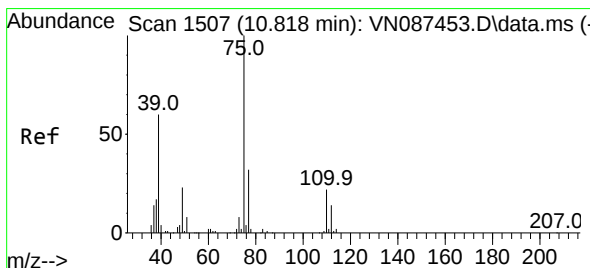
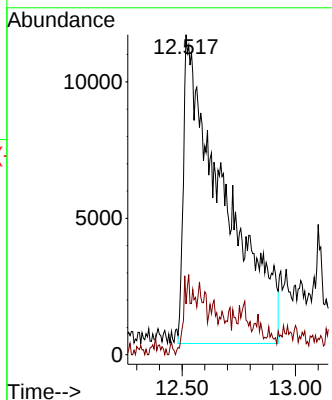
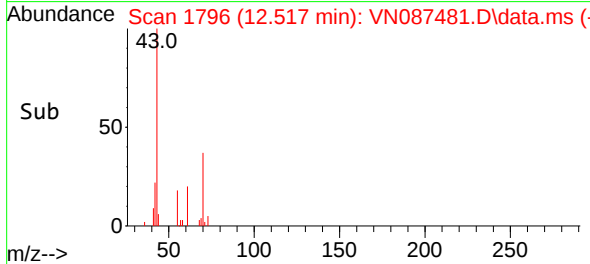
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 13864
Ion Ratio Lower Upper
43 100
55 2.1 4.6 6.8

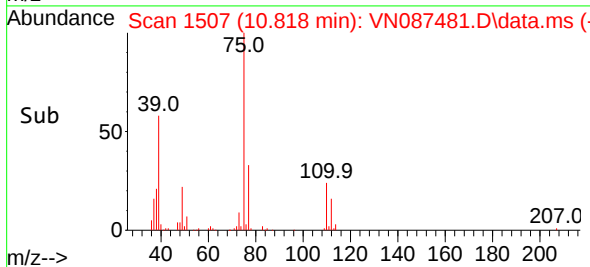
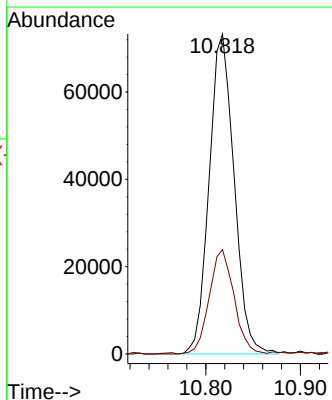
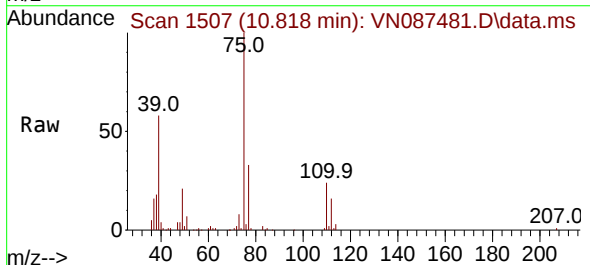
Manual Integrations
APPROVED

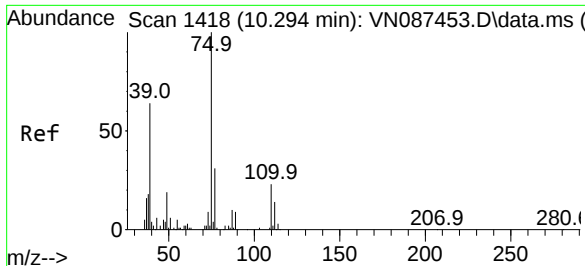
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#48
t-1,3-Dichloropropene
Concen: 18.044 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

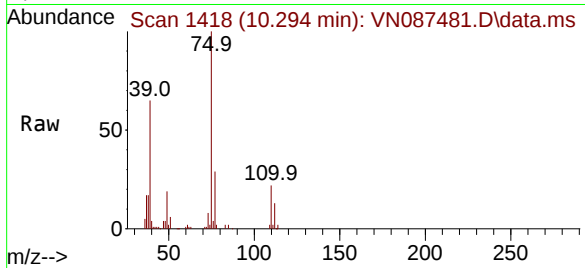
Tgt Ion: 75 Resp: 134609
Ion Ratio Lower Upper
75 100
77 32.6 25.3 37.9





#49
 cis-1,3-Dichloropropene
 Concen: 18.792 ug/l
 RT: 10.294 min Scan# 1418
 Delta R.T. -0.000 min
 Lab File: VN087481.D
 Acq: 06 Aug 2025 16:08

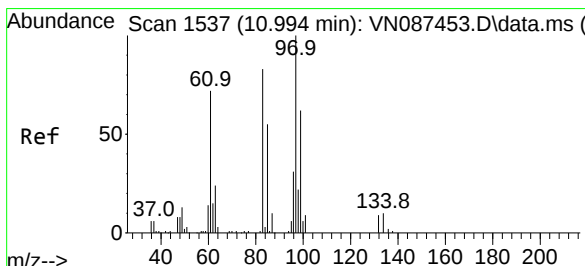
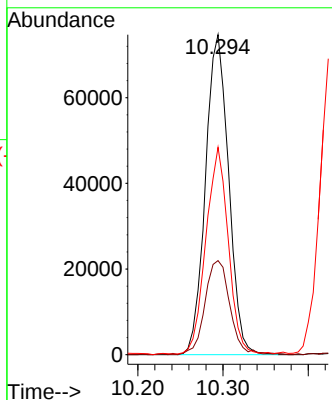
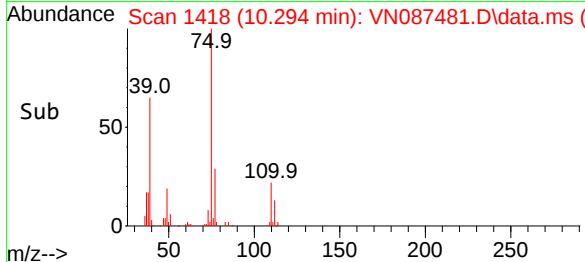
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion: 75 Resp: 141083
 Ion Ratio Lower Upper
 75 100
 77 29.4 24.6 36.8
 39 64.6 51.5 77.3

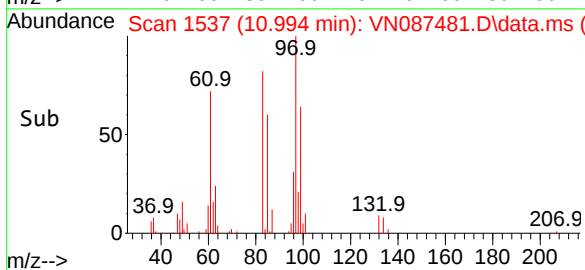
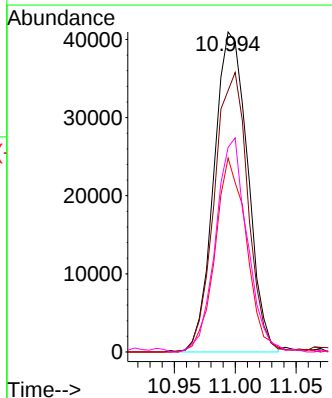
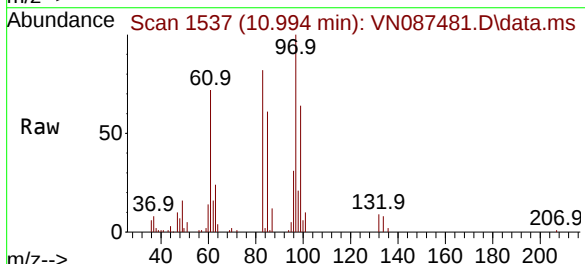
Manual Integrations
 APPROVED

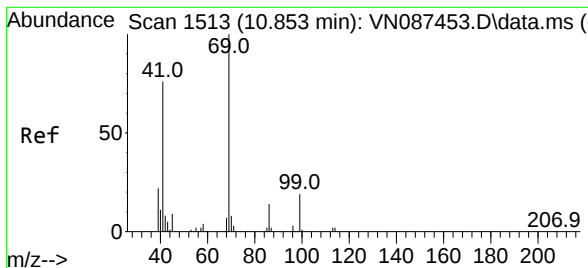
Reviewed By :John Carlone 08/07/2025
 Supervised By :Mahesh Dadoda 08/07/2025



#50
 1,1,2-Trichloroethane
 Concen: 18.920 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. -0.000 min
 Lab File: VN087481.D
 Acq: 06 Aug 2025 16:08

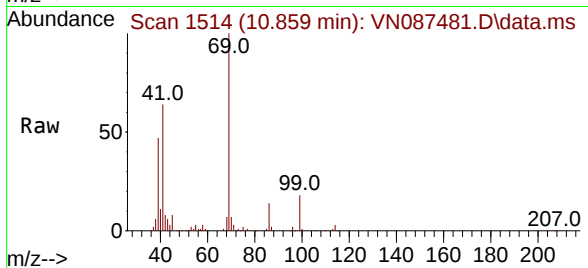
Tgt Ion: 97 Resp: 78883
 Ion Ratio Lower Upper
 97 100
 83 81.3 66.2 99.2
 85 60.6 43.9 65.9
 99 64.0 50.0 75.0





#51
Ethyl methacrylate
Concen: 18.915 ug/l
RT: 10.859 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

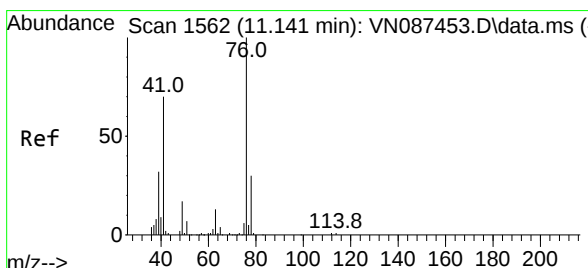
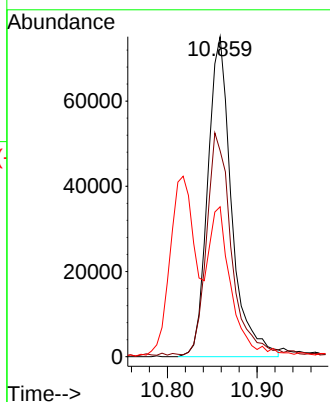
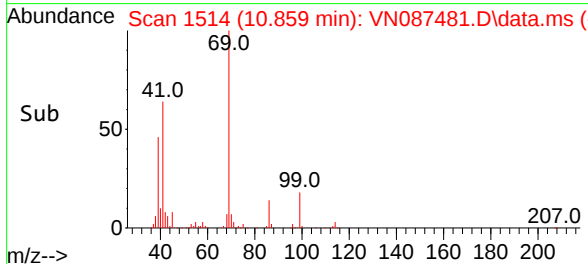
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 69 Resp: 138880
Ion Ratio Lower Upper
69 100
41 63.6 38.0 114.1
39 45.5 23.2 69.5

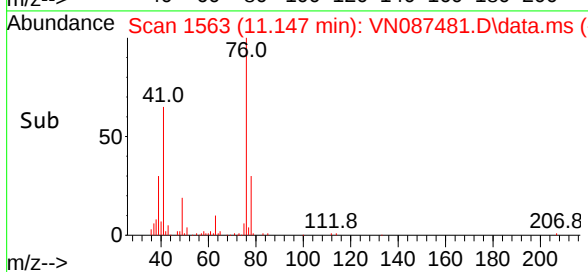
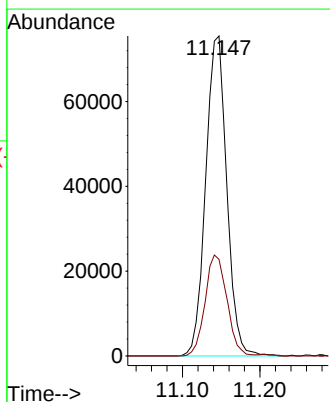
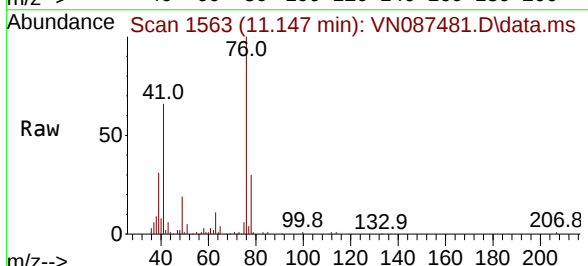
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#52
1,3-Dichloropropane
Concen: 18.949 ug/l
RT: 11.147 min Scan# 1563
Delta R.T. 0.006 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

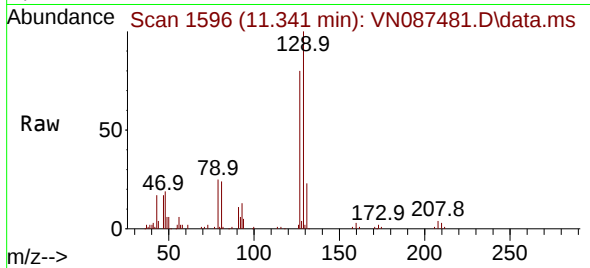
Tgt Ion: 76 Resp: 142334
Ion Ratio Lower Upper
76 100
78 32.7 0.0 63.0





#53
Dibromochloromethane
Concen: 18.199 ug/l
RT: 11.341 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

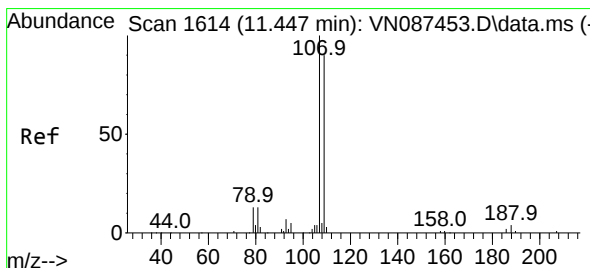
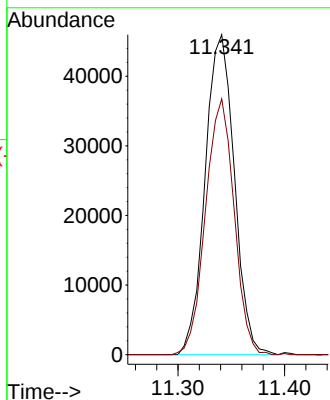
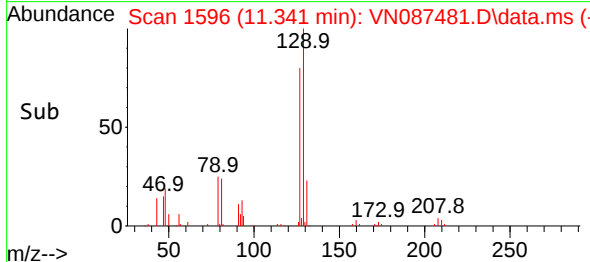
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



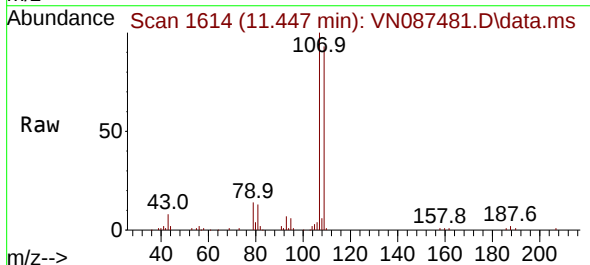
Tgt Ion:129 Resp: 87629
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.3

Manual Integrations
APPROVED

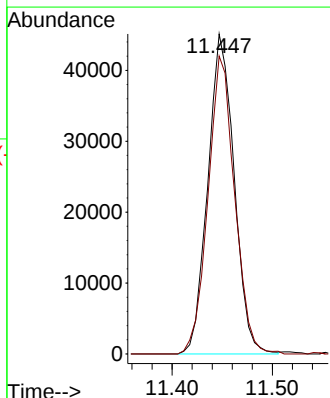
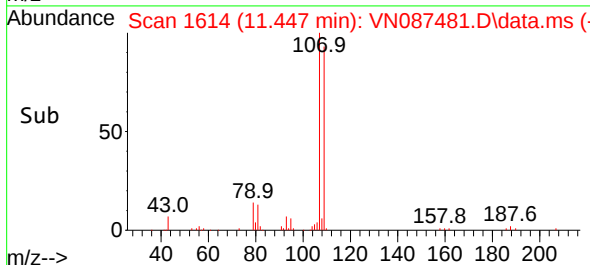
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

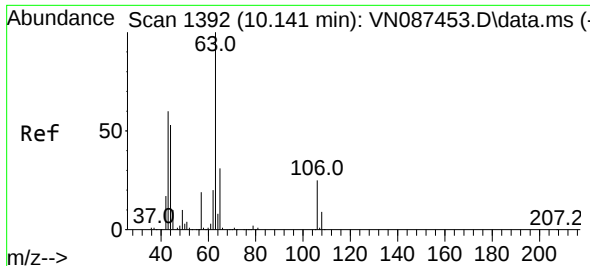


#54
1,2-Dibromoethane
Concen: 18.604 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08



Tgt Ion:107 Resp: 82340
Ion Ratio Lower Upper
107 100
109 93.9 74.2 111.4





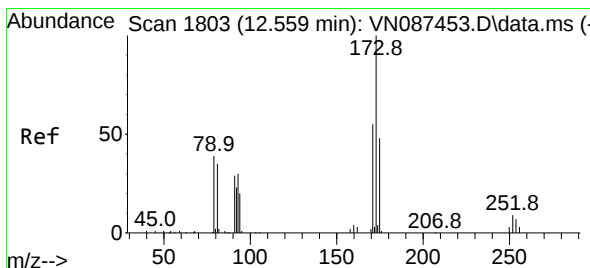
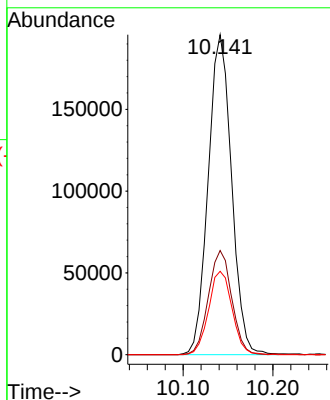
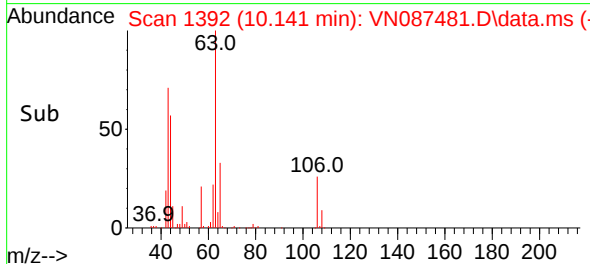
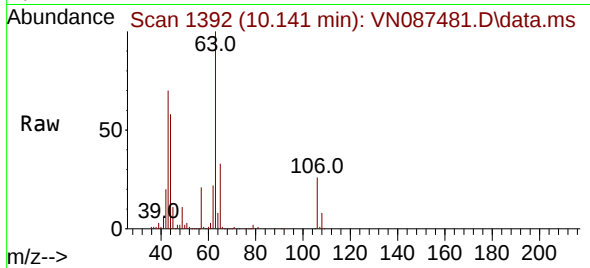
#55
2-Chloroethyl vinyl ether
Concen: 91.521 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 35376
Ion Ratio Lower Upper
63 100
65 32.4 25.7 38.5
106 26.2 20.7 31.1

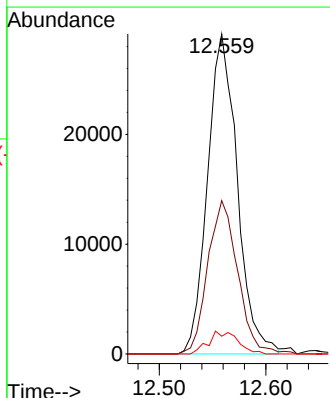
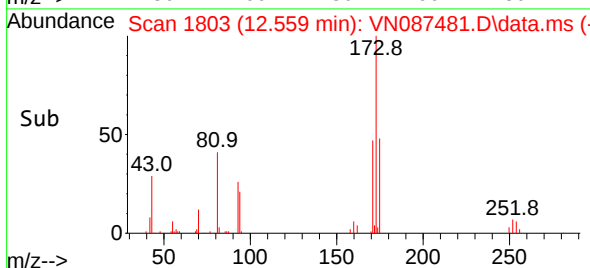
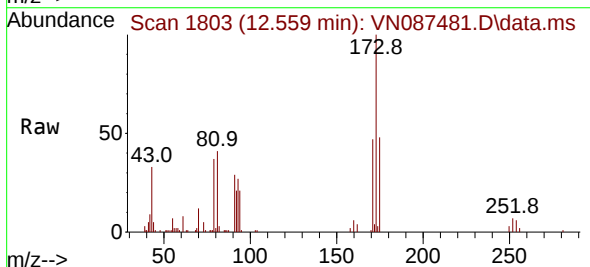
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#56
Bromoform
Concen: 17.756 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

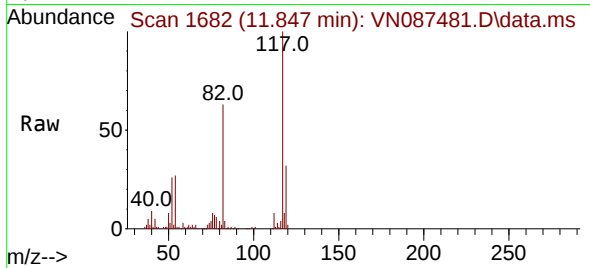
Tgt Ion:173 Resp: 56549
Ion Ratio Lower Upper
173 100
175 48.1 38.8 58.2
254 3.6 3.9 5.9#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1184
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

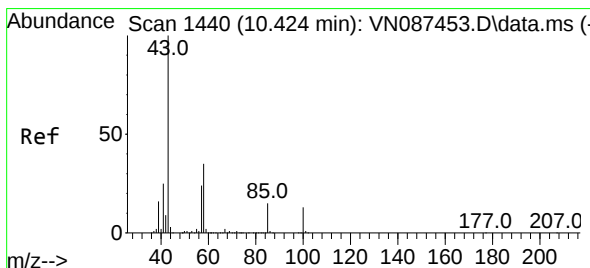
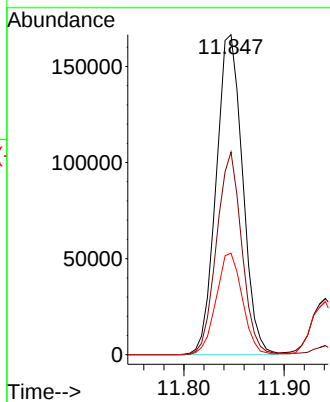
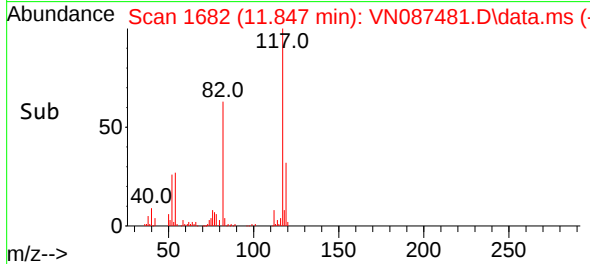
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



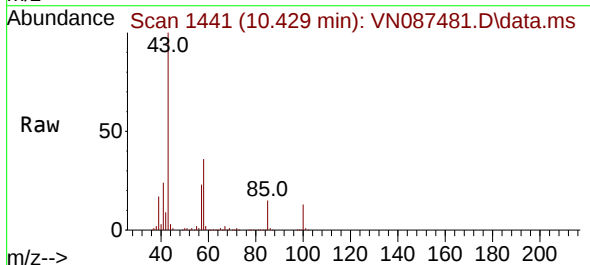
Tgt Ion: 117 Resp: 305874
Ion Ratio Lower Upper
117 100
82 60.3 49.2 73.8
119 31.4 25.7 38.5

Manual Integrations
APPROVED

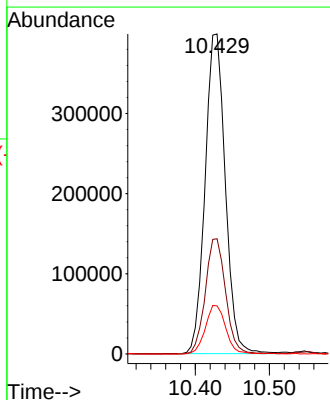
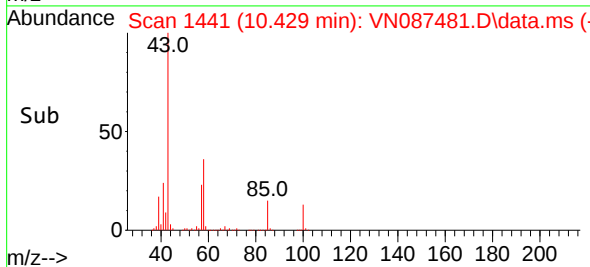
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

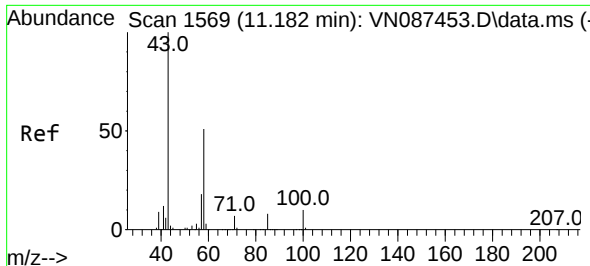


#58
4-Methyl-2-Pentanone
Concen: 95.904 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.006 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08



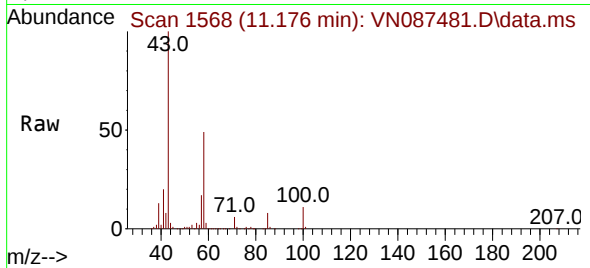
Tgt Ion: 43 Resp: 754622
Ion Ratio Lower Upper
43 100
58 36.3 29.0 43.6
85 15.3 12.7 19.1





#59
2-Hexanone
Concen: 91.726 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.006 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

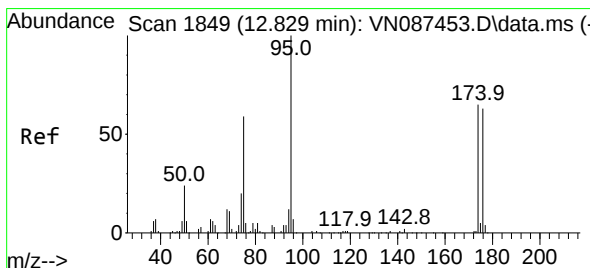
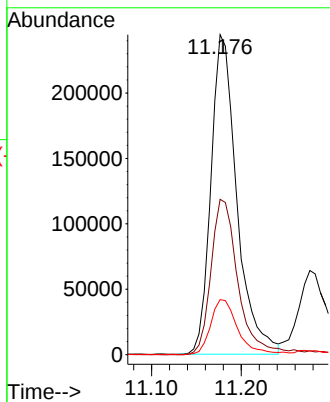
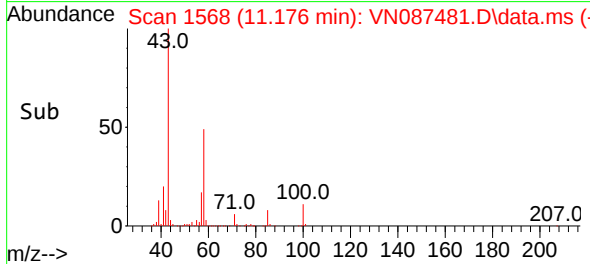
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 49039
Ion Ratio Lower Upper
43 100
58 50.3 41.0 61.6
57 17.9 14.6 21.8

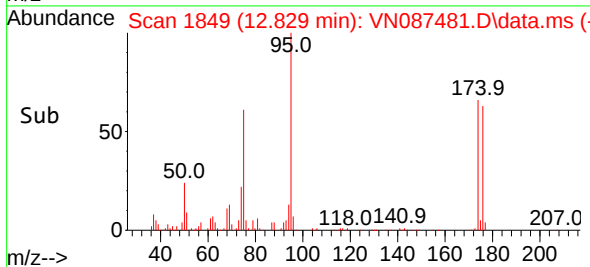
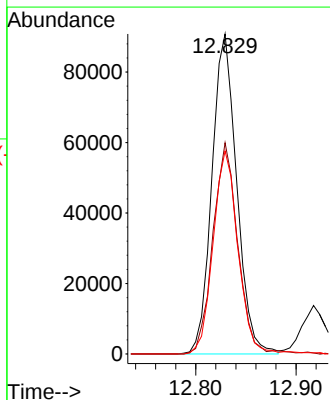
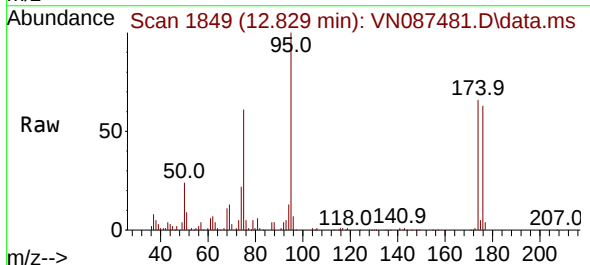
Manual Integrations
APPROVED

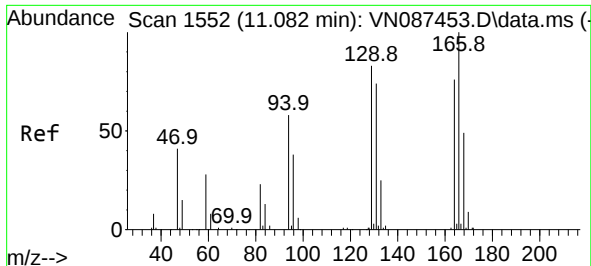
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#60
4-Bromofluorobenzene
Concen: 29.662 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

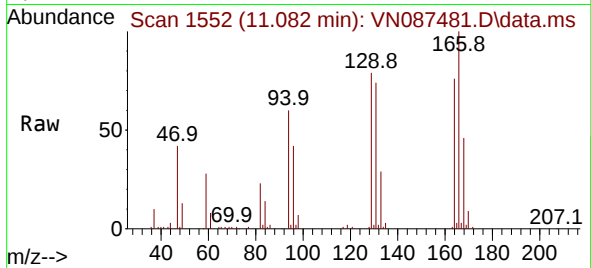
Tgt Ion: 95 Resp: 156138
Ion Ratio Lower Upper
95 100
174 65.3 52.3 78.5
176 63.1 49.8 74.8





#61
Tetrachloroethene
Concen: 18.592 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

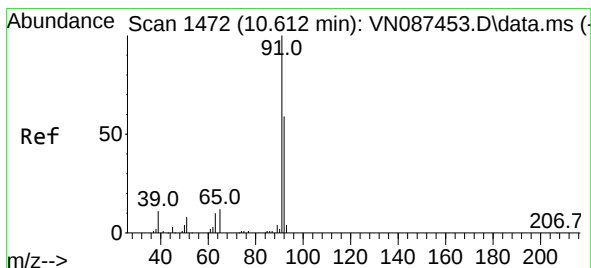
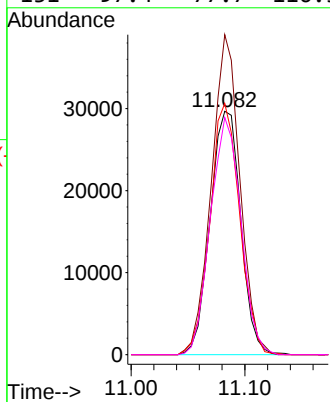
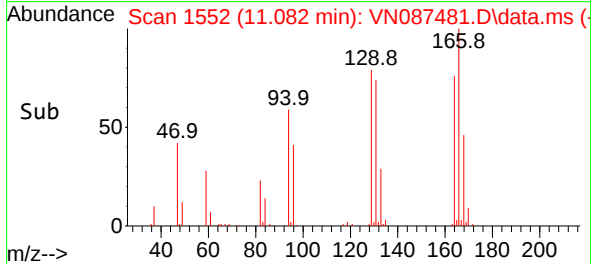
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



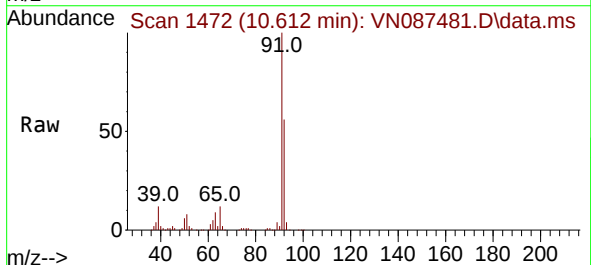
Tgt Ion:164 Resp: 55402
Ion Ratio Lower Upper
164 100
166 131.5 105.4 158.0
129 103.2 87.7 131.5
131 97.4 77.7 116.5

Manual Integrations
APPROVED

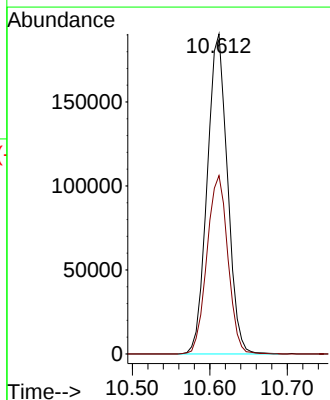
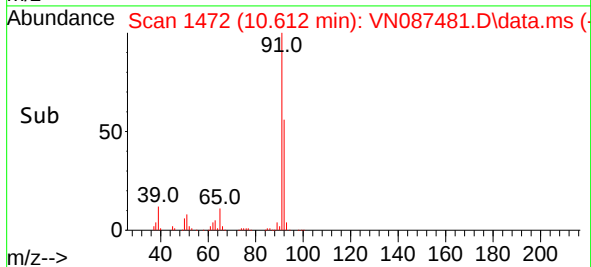
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

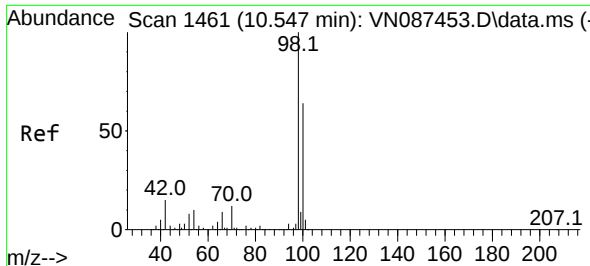


#62
Toluene
Concen: 18.345 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08



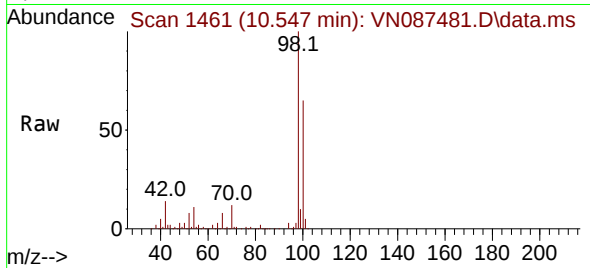
Tgt Ion: 91 Resp: 346329
Ion Ratio Lower Upper
91 100
92 57.5 45.8 68.6





#63
Toluene-d8
Concen: 29.785 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

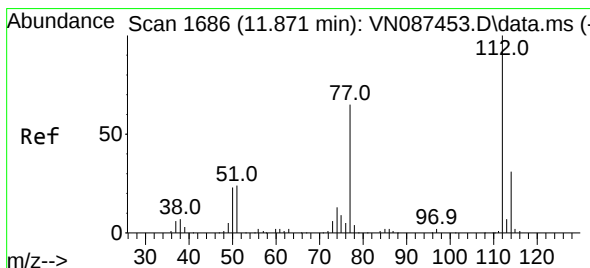
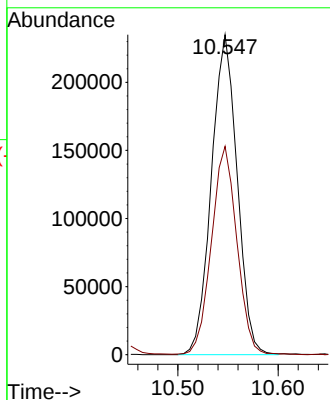
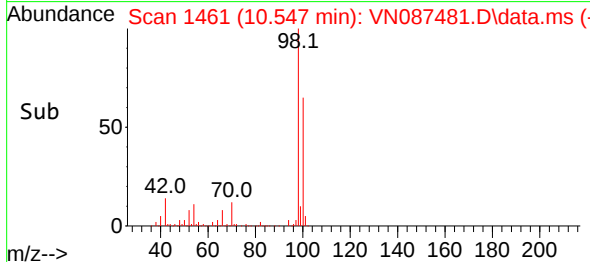
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



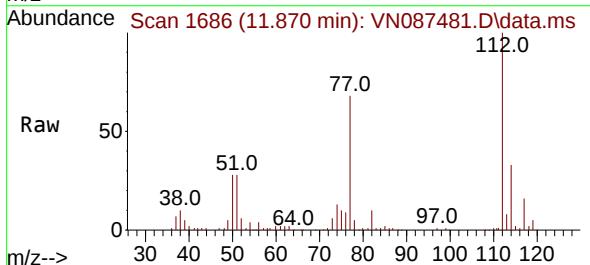
Tgt Ion: 98 Resp: 419192
Ion Ratio Lower Upper
98 100
100 64.5 50.5 75.7

Manual Integrations
APPROVED

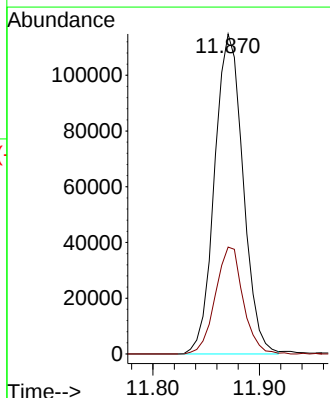
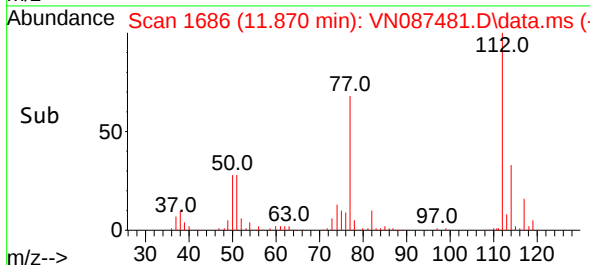
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

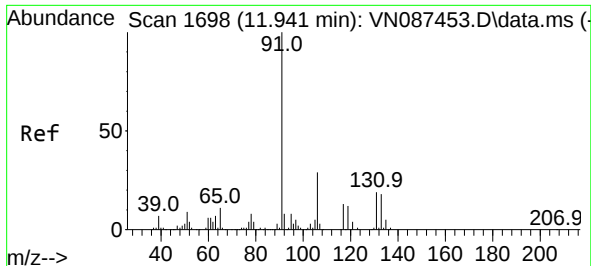


#64
Chlorobenzene
Concen: 18.382 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08



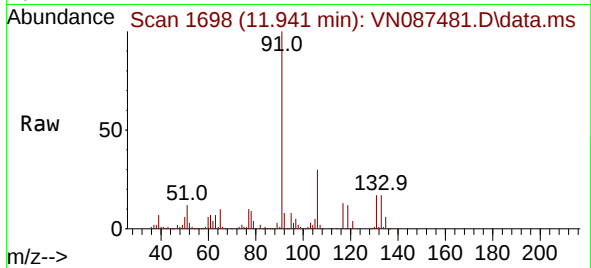
Tgt Ion:112 Resp: 213235
Ion Ratio Lower Upper
112 100
114 33.4 24.7 37.1





#65
1,1,1,2-Tetrachloroethane
Concen: 17.679 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

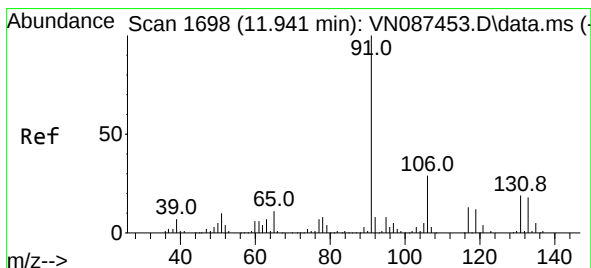
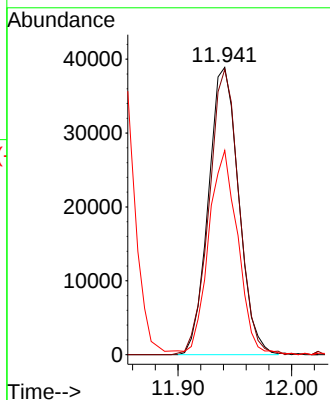
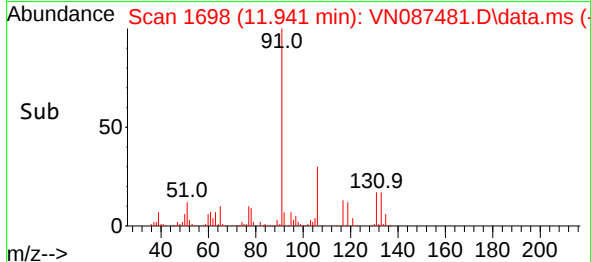
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:131 Resp: 72104
Ion Ratio Lower Upper
131 100
133 97.6 0.0 189.8
119 68.2 0.0 133.2

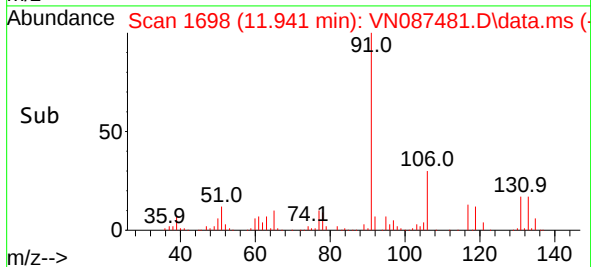
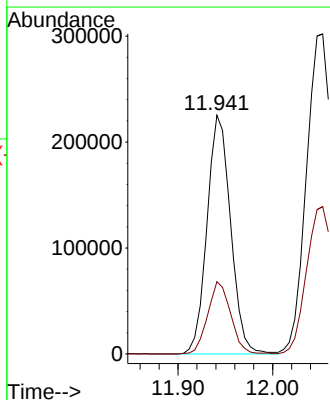
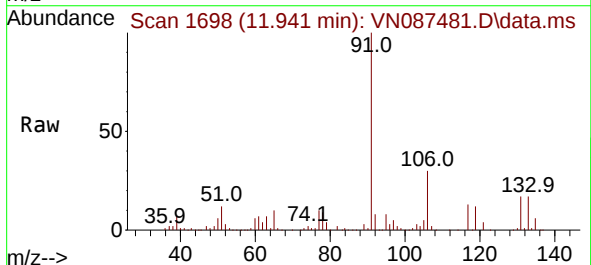
Manual Integrations
APPROVED

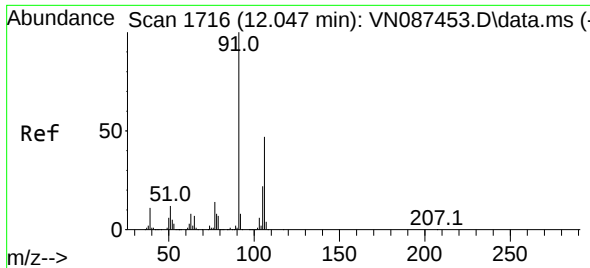
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#66
Ethyl Benzene
Concen: 18.565 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

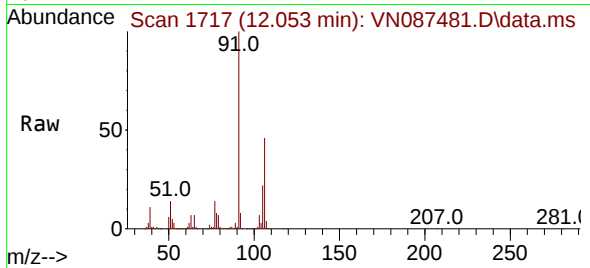
Tgt Ion: 91 Resp: 390637
Ion Ratio Lower Upper
91 100
106 30.3 22.9 34.3





#67
m/p-Xylenes
Concen: 36.542 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

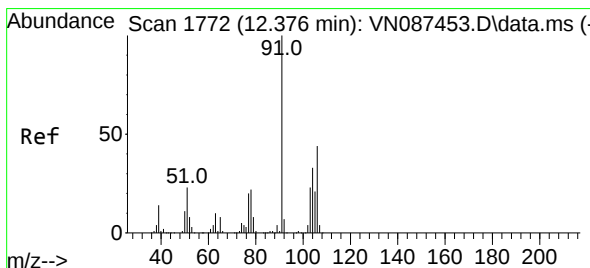
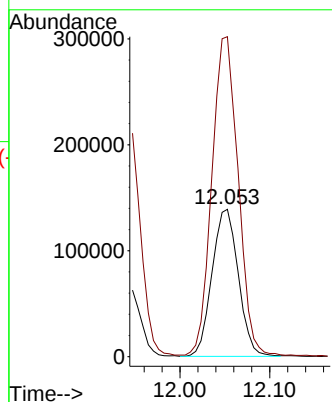
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:106 Resp: 282239
Ion Ratio Lower Upper
106 100
91 217.9 174.2 261.2

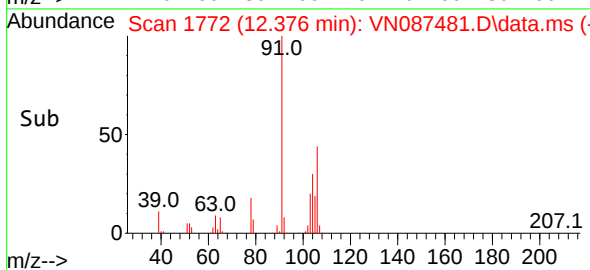
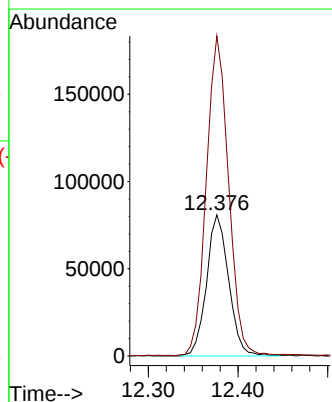
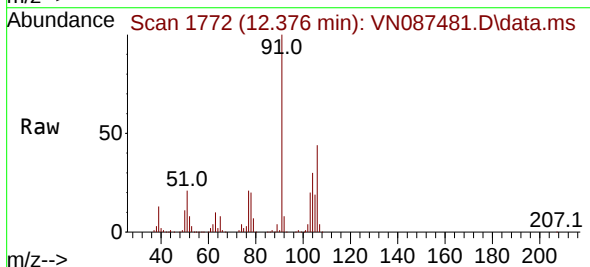
Manual Integrations
APPROVED

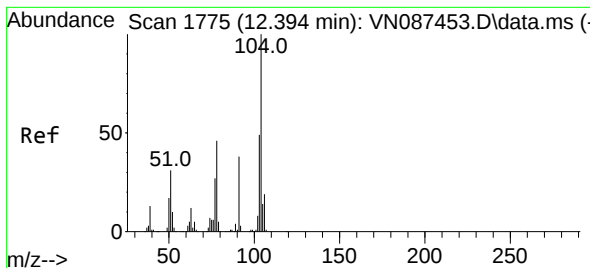
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#68
o-Xylene
Concen: 18.213 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

Tgt Ion:106 Resp: 138391
Ion Ratio Lower Upper
106 100
91 227.2 114.5 343.5





#69

Styrene

Concen: 17.996 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN087481.D

Acq: 06 Aug 2025 16:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

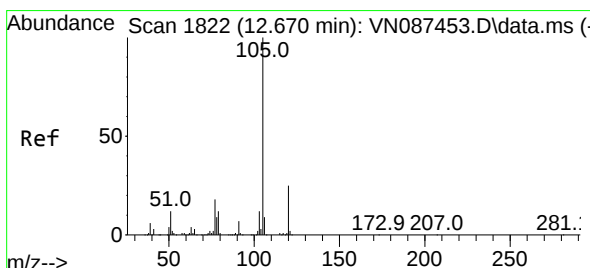
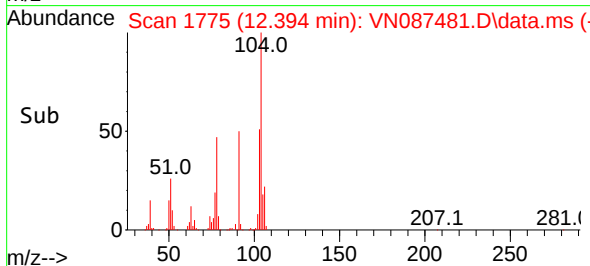
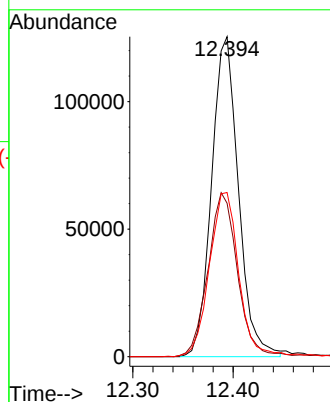
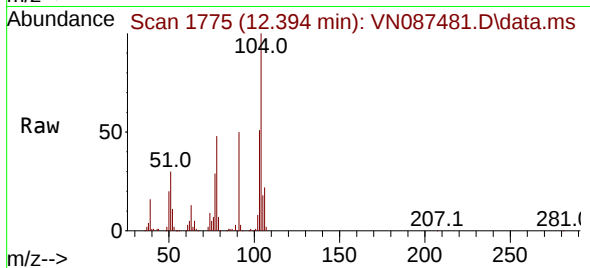
Tgt Ion:104 Resp: 23348
 Ion Ratio Lower Upper
 104 100
 78 56.1 43.8 65.8
 103 55.9 43.1 64.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/07/2025

Supervised By :Mahesh Dadoda 08/07/2025



#70

Isopropylbenzene

Concen: 18.215 ug/l

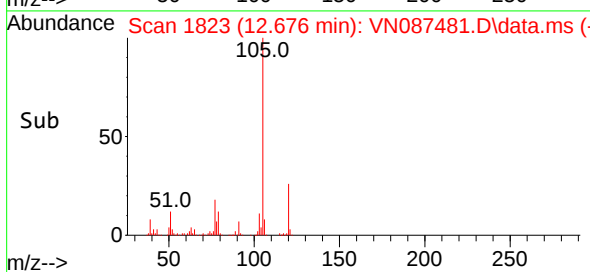
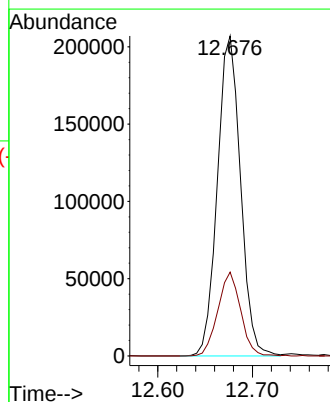
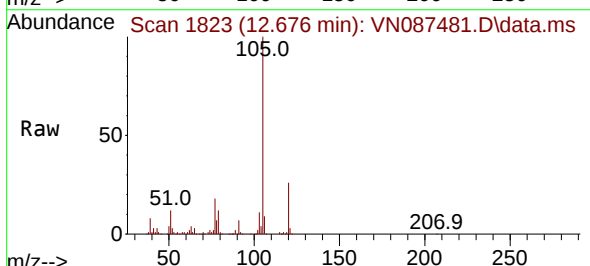
RT: 12.676 min Scan# 1823

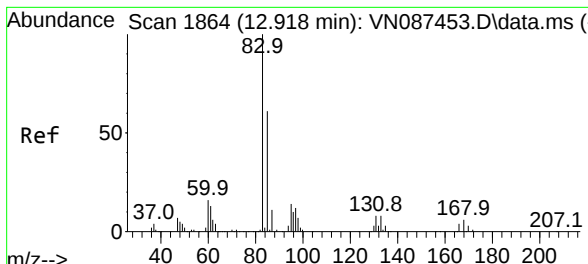
Delta R.T. 0.006 min

Lab File: VN087481.D

Acq: 06 Aug 2025 16:08

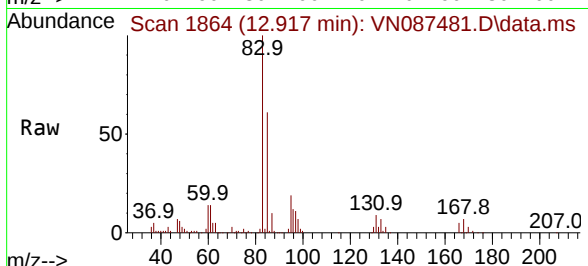
Tgt Ion:105 Resp: 351643
 Ion Ratio Lower Upper
 105 100
 120 25.7 17.5 32.5





#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.698 ug/l
 RT: 12.917 min Scan# 1864
 Delta R.T. -0.000 min
 Lab File: VN087481.D
 Acq: 06 Aug 2025 16:08

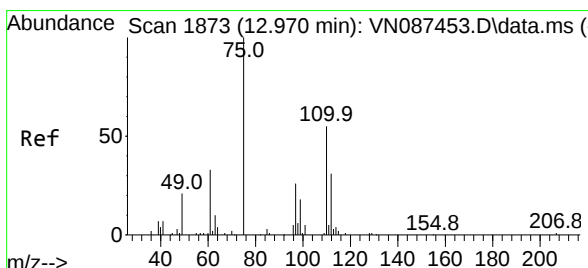
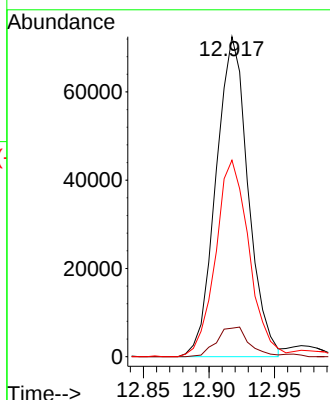
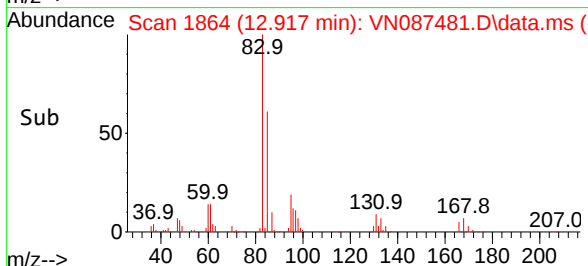
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion: 83 Resp: 123674
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.8 14.3
 85 63.8 31.7 95.1

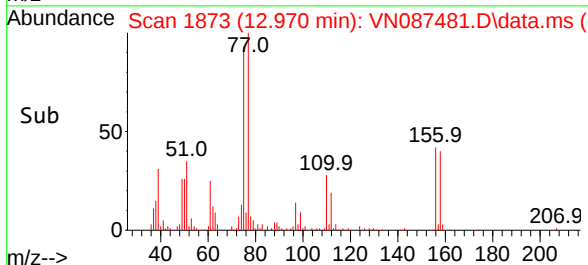
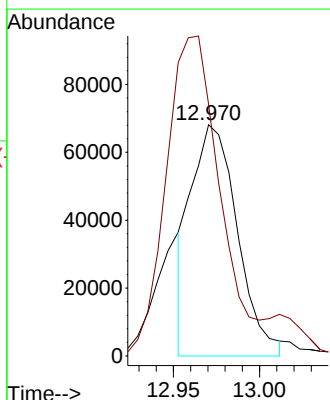
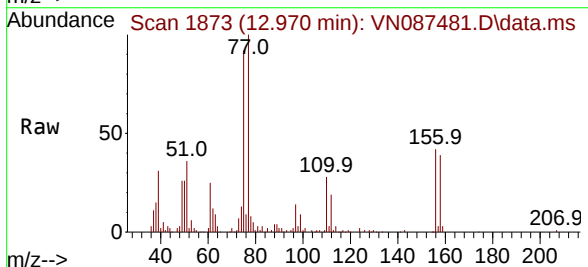
Manual Integrations
 APPROVED

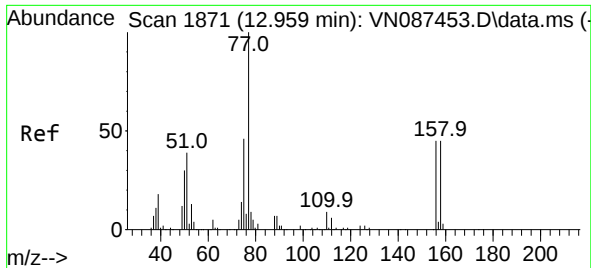
Reviewed By :John Carlone 08/07/2025
 Supervised By :Mahesh Dadoda 08/07/2025



#72
 1,2,3-Trichloropropane
 Concen: 20.659 ug/l m
 RT: 12.970 min Scan# 1873
 Delta R.T. -0.000 min
 Lab File: VN087481.D
 Acq: 06 Aug 2025 16:08

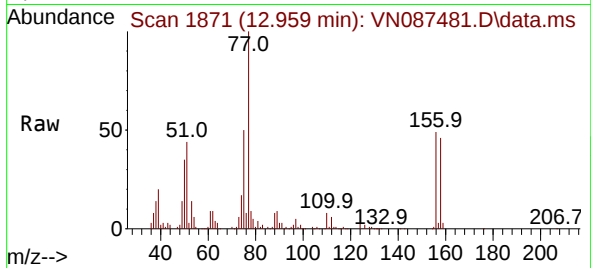
Tgt Ion: 75 Resp: 127296
 Ion Ratio Lower Upper
 75 100
 77 160.0 0.0 385.0





#73
Bromobenzene
Concen: 17.816 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

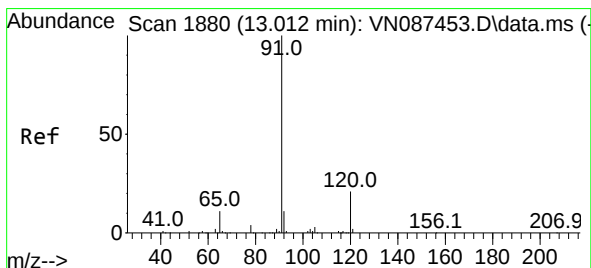
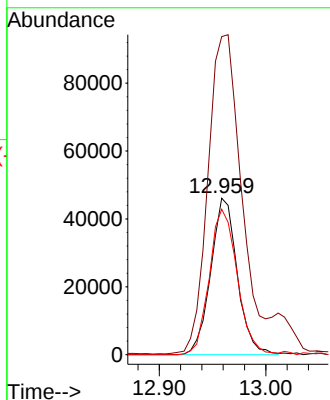
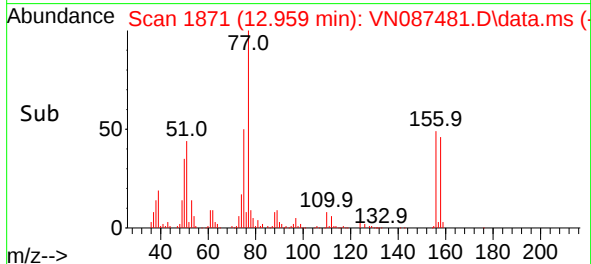
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:156 Resp: 79732
Ion Ratio Lower Upper
156 100
77 255.5 0.0 506.6
158 97.8 0.0 193.6

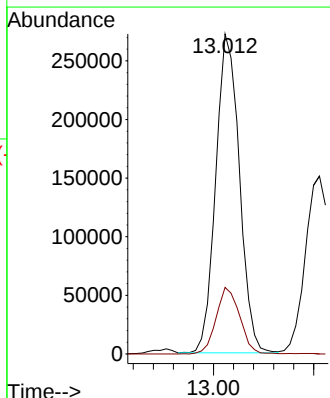
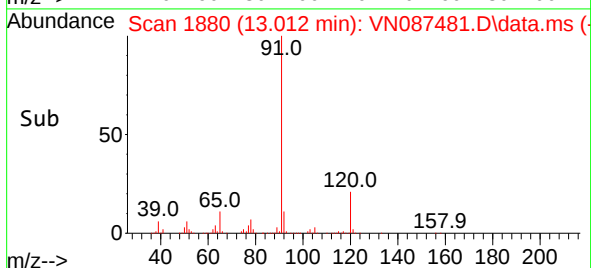
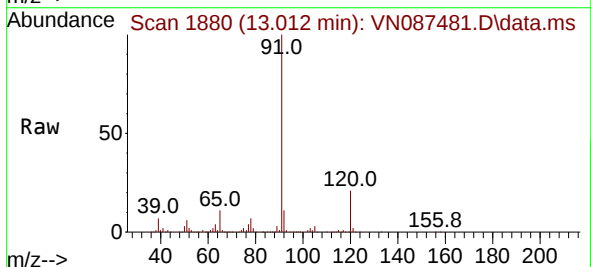
Manual Integrations
APPROVED

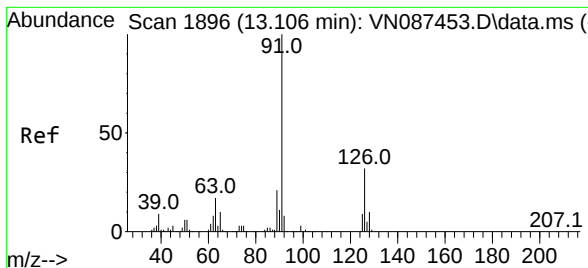
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#74
n-propylbenzene
Concen: 18.484 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

Tgt Ion: 91 Resp: 445638
Ion Ratio Lower Upper
91 100
120 20.7 0.0 41.8





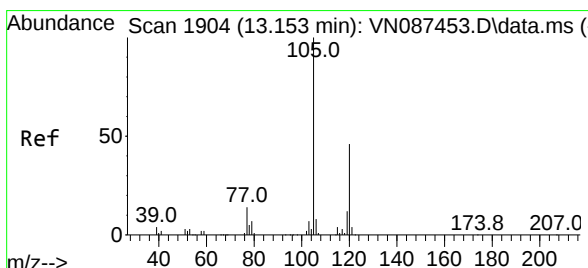
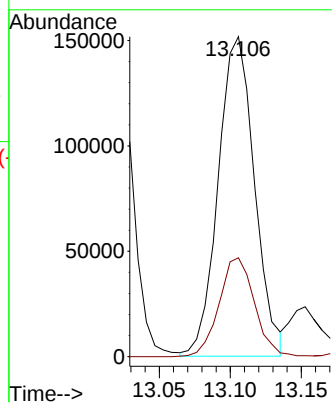
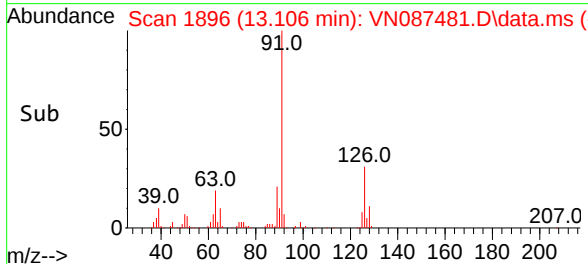
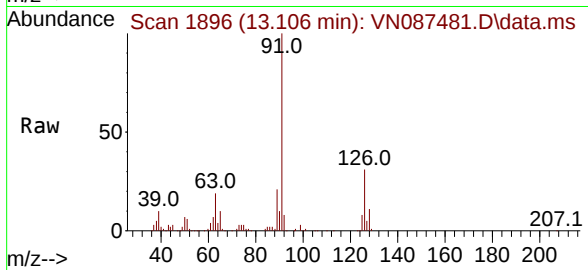
#75
2-Chlorotoluene
Concen: 18.188 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 26972
Ion Ratio Lower Upper
91 100
126 30.2 0.0 60.4

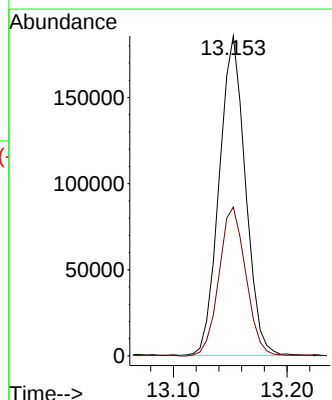
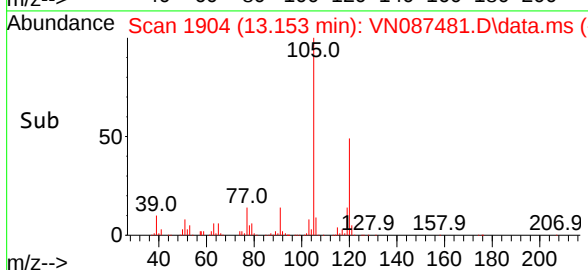
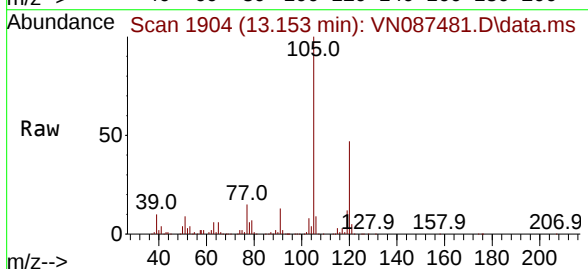
Manual Integrations
APPROVED

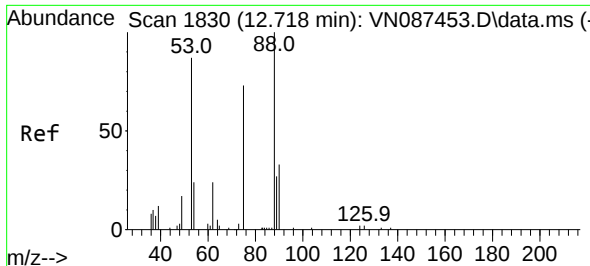
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#76
1,3,5-Trimethylbenzene
Concen: 17.938 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

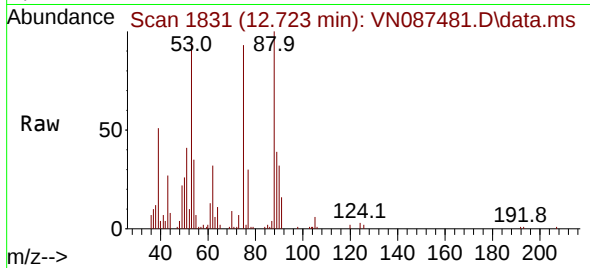
Tgt Ion:105 Resp: 296489
Ion Ratio Lower Upper
105 100
120 47.8 0.0 91.2





#77
t-1,4-Dichloro-2-butene
Concen: 17.158 ug/l
RT: 12.723 min Scan# 1830
Delta R.T. 0.006 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

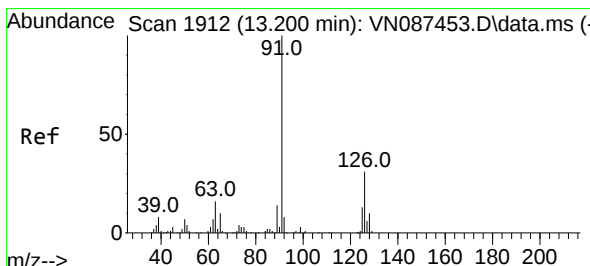
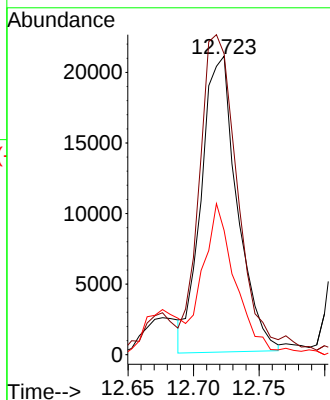
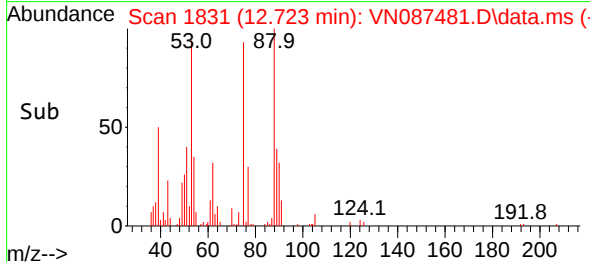
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 4002
Ion Ratio Lower Upper
75 100
53 99.0 59.0 176.8
89 41.3 22.1 66.5

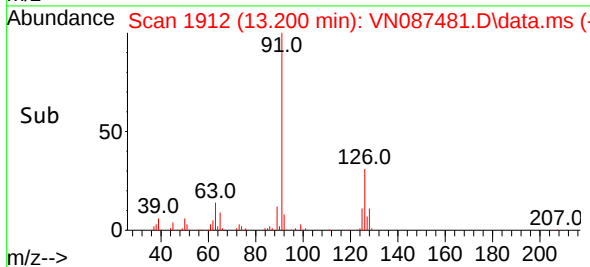
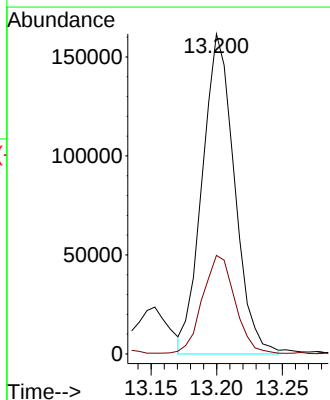
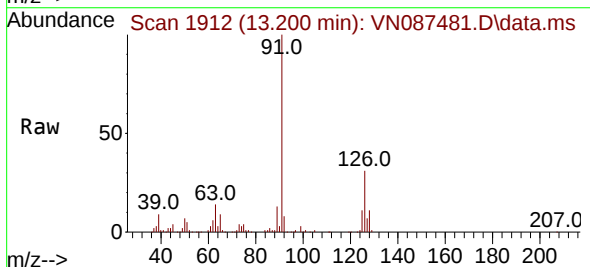
Manual Integrations
APPROVED

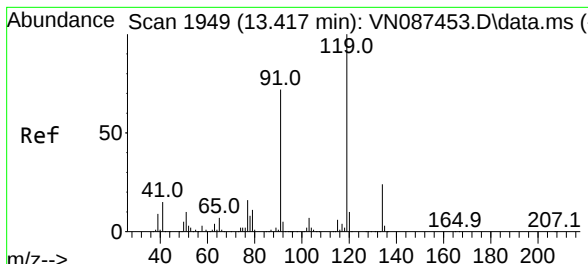
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#78
4-Chlorotoluene
Concen: 18.391 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

Tgt Ion: 91 Resp: 276402
Ion Ratio Lower Upper
91 100
126 31.3 0.0 63.2





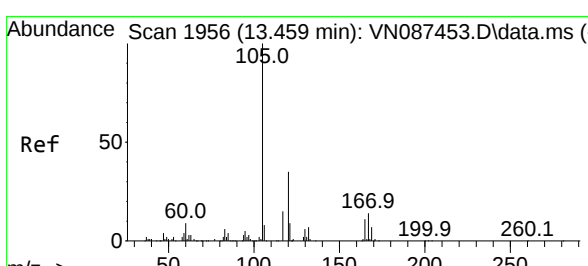
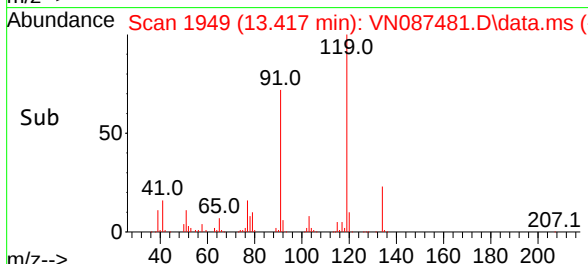
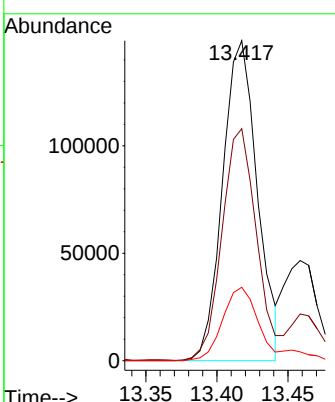
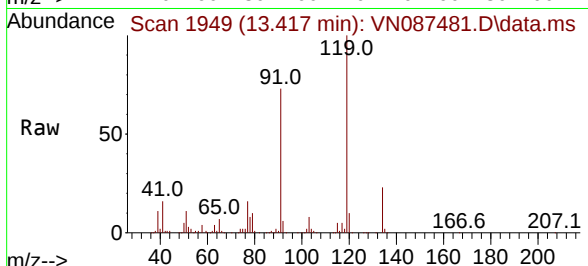
#79
 tert-butylbenzene
 Concen: 18.208 ug/l
 RT: 13.417 min Scan# 1949
 Delta R.T. -0.000 min
 Lab File: VN087481.D
 Acq: 06 Aug 2025 16:08

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC020EC

Tgt Ion:	119	Resp:	25374
Ion Ratio	Lower	Upper	
119	100		
91	71.1	0.0	141.6
134	22.9	0.0	45.6

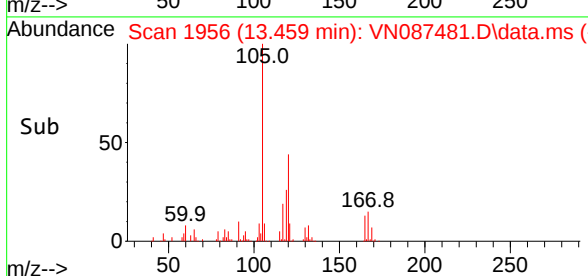
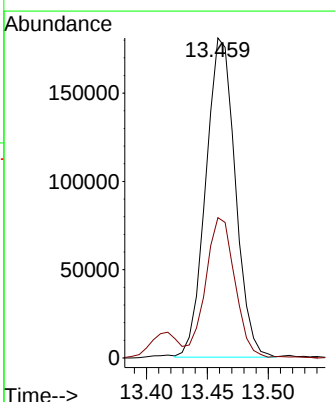
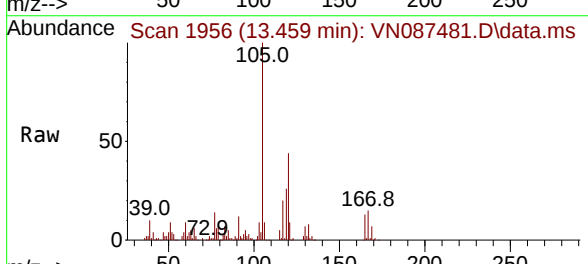
Manual Integrations
 APPROVED

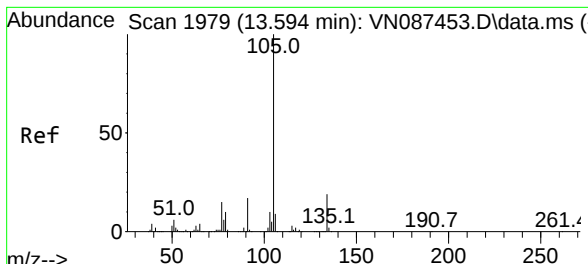
Reviewed By :John Carlone 08/07/2025
 Supervised By :Mahesh Dadoda 08/07/2025



#80
 1,2,4-Trimethylbenzene
 Concen: 18.480 ug/l
 RT: 13.459 min Scan# 1956
 Delta R.T. -0.000 min
 Lab File: VN087481.D
 Acq: 06 Aug 2025 16:08

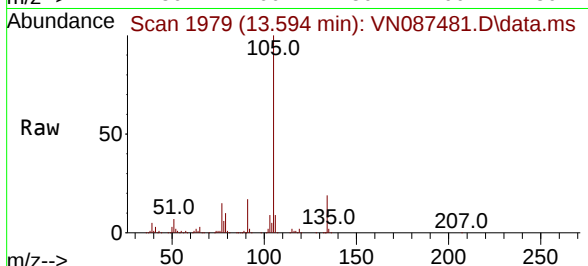
Tgt Ion:	105	Resp:	305215
Ion Ratio	Lower	Upper	
105	100		
120	43.6	0.0	87.2





#81
 sec-Butylbenzene
 Concen: 18.390 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VN087481.D
 Acq: 06 Aug 2025 16:08

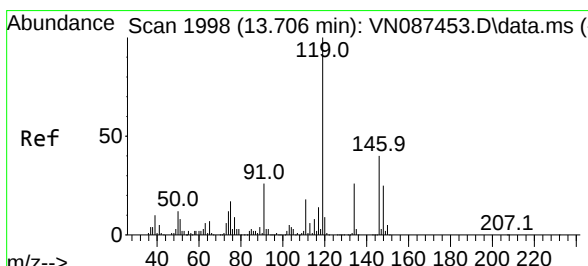
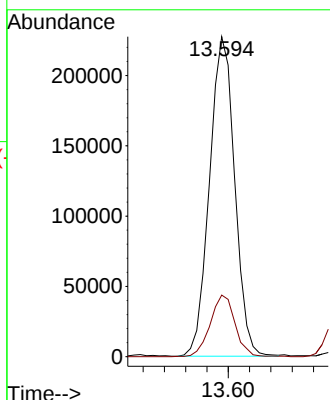
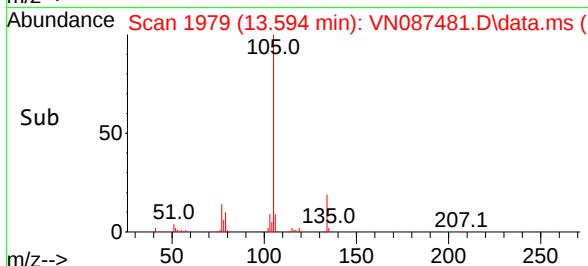
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



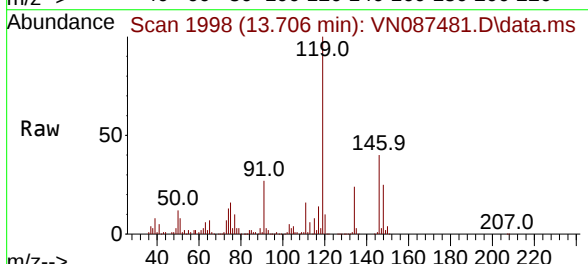
Tgt Ion:105 Resp: 373090
 Ion Ratio Lower Upper
 105 100
 134 19.0 0.0 37.6

Manual Integrations
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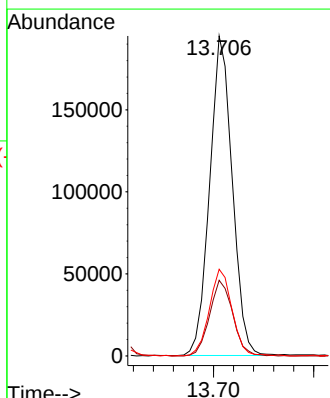
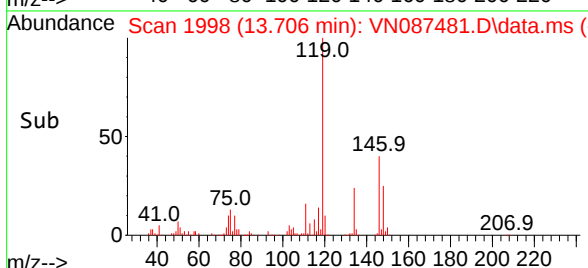
Reviewed By :John Carlone 08/07/2025
 Supervised By :Mahesh Dadoda 08/07/2025

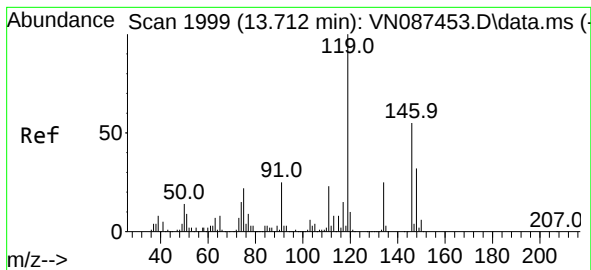


#82
 p-Isopropyltoluene
 Concen: 18.075 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: VN087481.D
 Acq: 06 Aug 2025 16:08



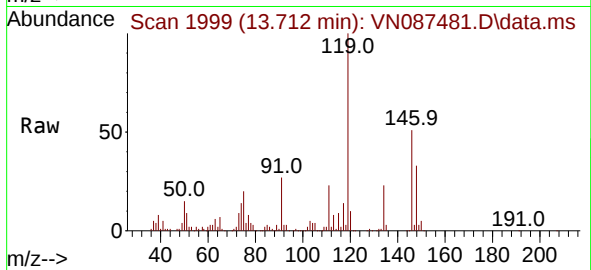
Tgt Ion:119 Resp: 304476
 Ion Ratio Lower Upper
 119 100
 134 24.3 0.0 51.4
 91 27.2 0.0 52.0





#83
1,3-Dichlorobenzene
Concen: 18.432 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

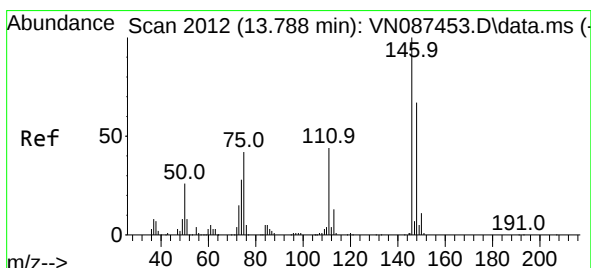
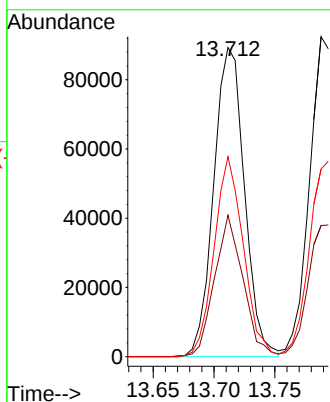
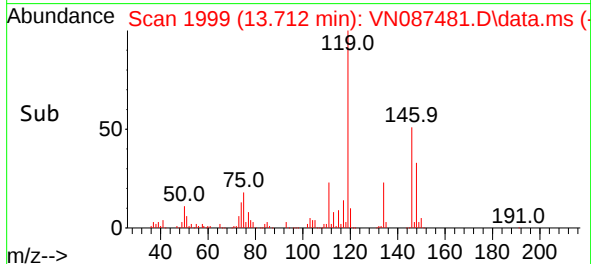
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



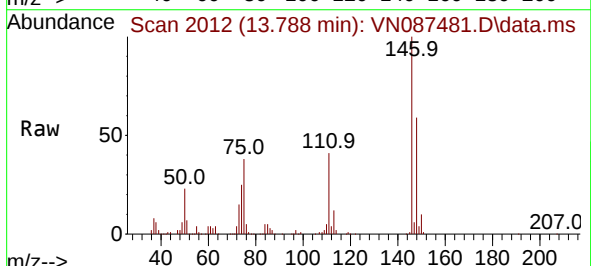
Tgt Ion:146 Resp: 157070
Ion Ratio Lower Upper
146 100
111 42.5 21.9 65.5
148 61.5 31.3 93.9

Manual Integrations
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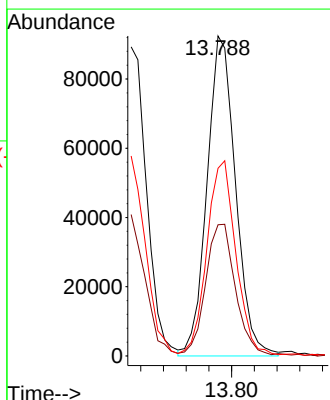
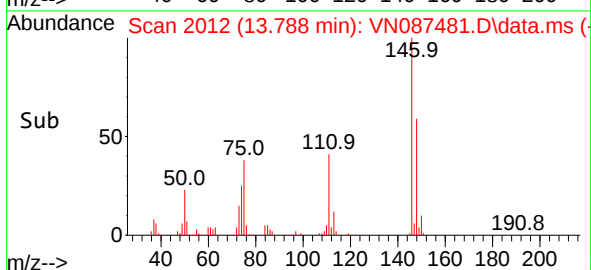
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

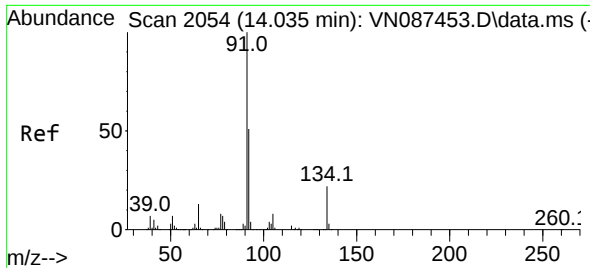


#84
1,4-Dichlorobenzene
Concen: 18.683 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08



Tgt Ion:146 Resp: 161417
Ion Ratio Lower Upper
146 100
111 43.1 21.1 63.1
148 62.2 31.4 94.3





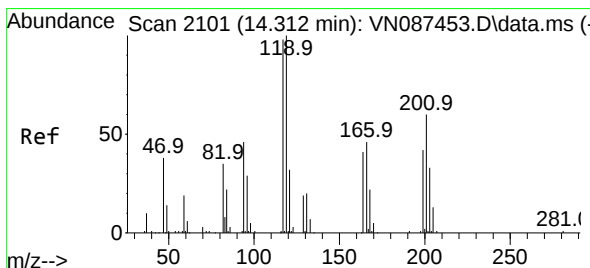
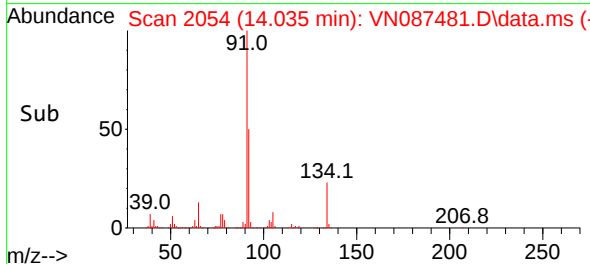
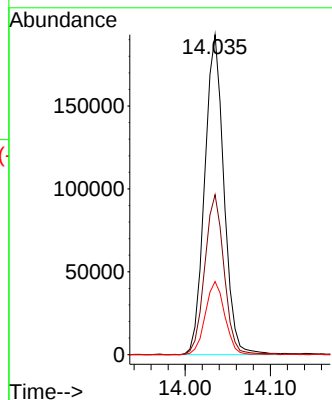
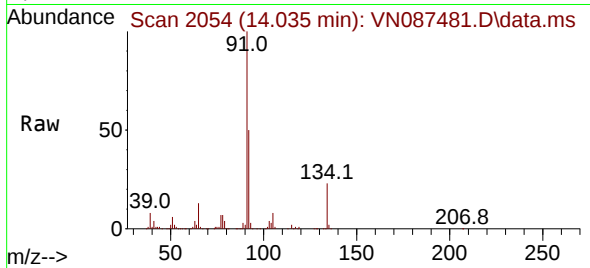
#85
n-Butylbenzene
Concen: 18.393 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 30313
Ion Ratio Lower Upper
91 100
92 50.2 0.0 106.6
134 23.1 0.0 44.4

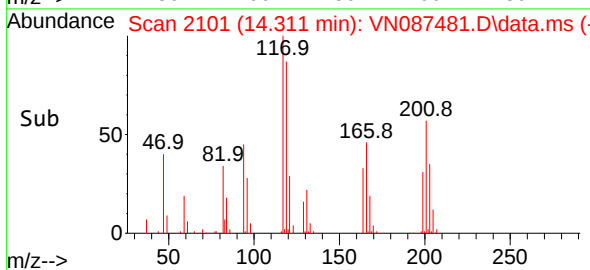
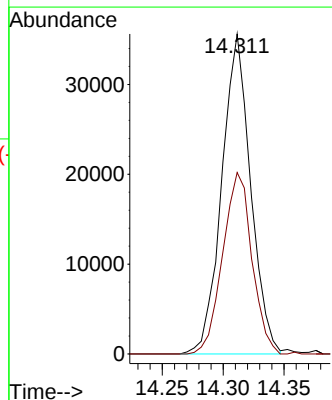
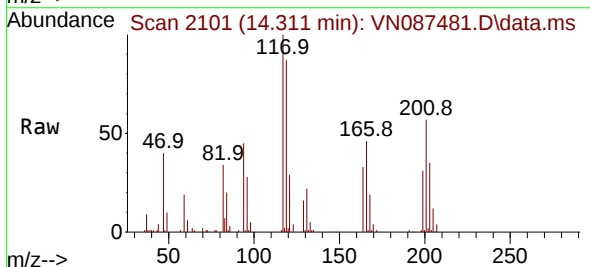
Manual Integrations
APPROVED

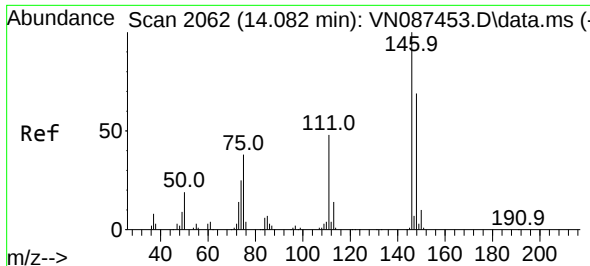
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#86
Hexachloroethane
Concen: 17.822 ug/l
RT: 14.311 min Scan# 2101
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

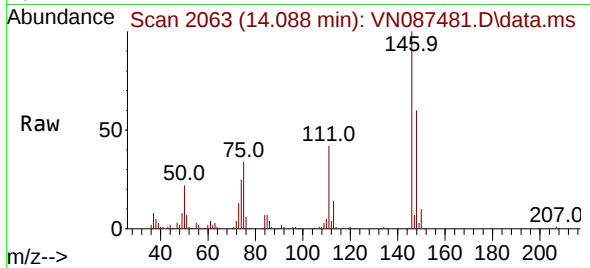
Tgt Ion:117 Resp: 58625
Ion Ratio Lower Upper
117 100
201 57.4 29.1 87.4





#87
1,2-Dichlorobenzene
Concen: 18.733 ug/l
RT: 14.088 min Scan# 2062
Delta R.T. 0.006 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

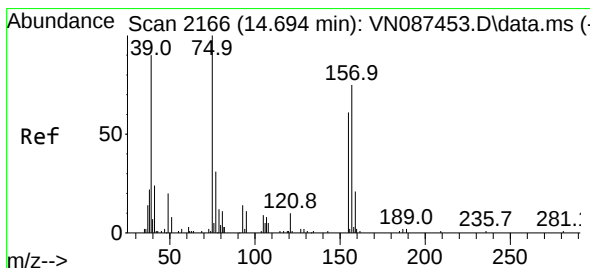
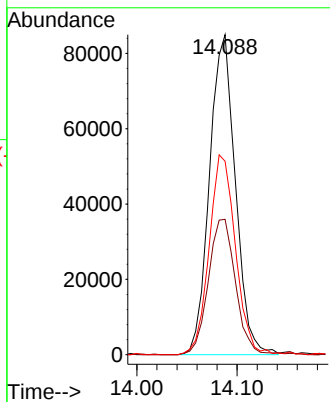
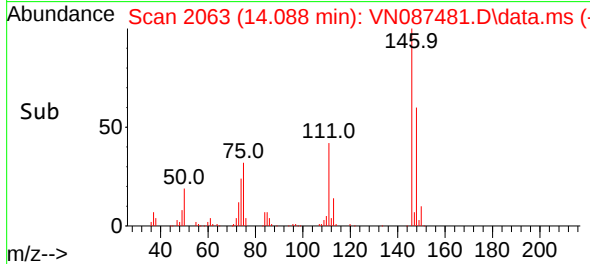
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



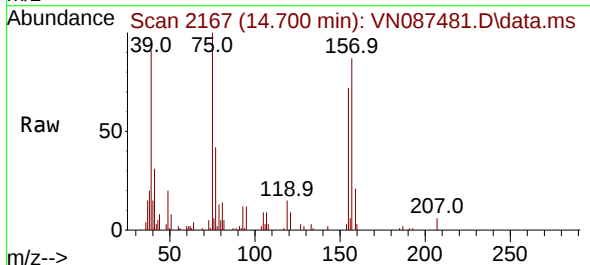
Tgt Ion:146 Resp: 15238
Ion Ratio Lower Upper
146 100
111 44.3 22.9 68.7
148 63.0 31.6 94.7

Manual Integrations
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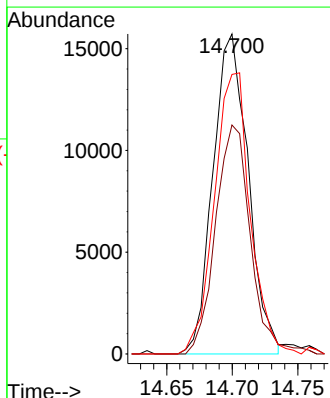
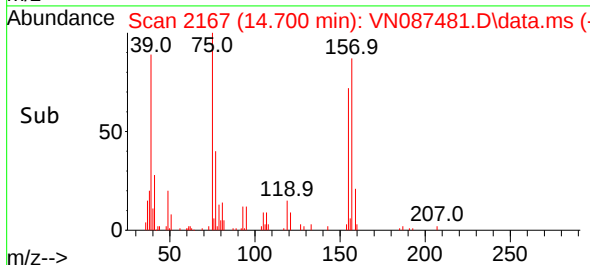
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

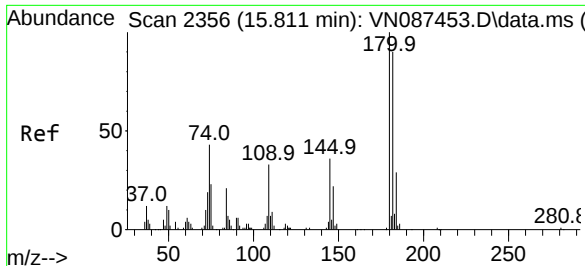


#88
1,2-Dibromo-3-Chloropropane
Concen: 17.491 ug/l
RT: 14.700 min Scan# 2167
Delta R.T. 0.006 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08



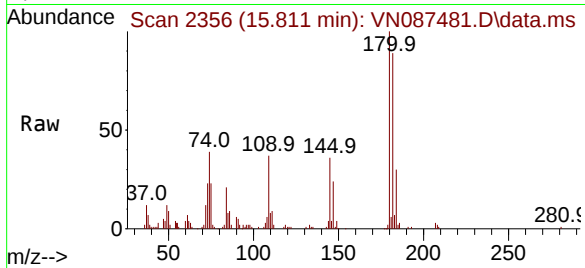
Tgt Ion: 75 Resp: 29308
Ion Ratio Lower Upper
75 100
155 71.1 55.7 83.5
157 89.5 65.8 98.6





#89
1,2,4-Trichlorobenzene
Concen: 17.831 ug/l
RT: 15.811 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

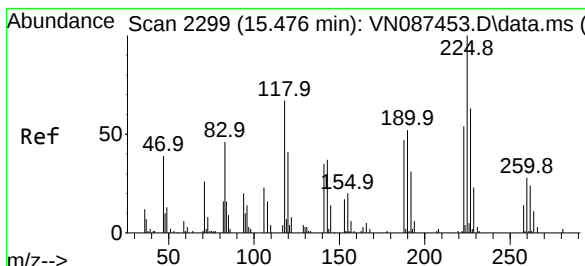
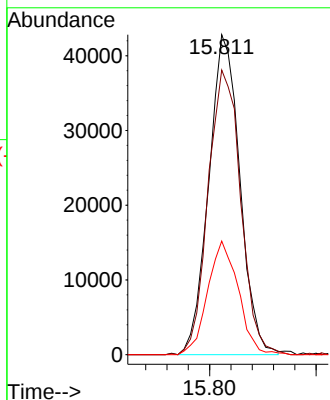
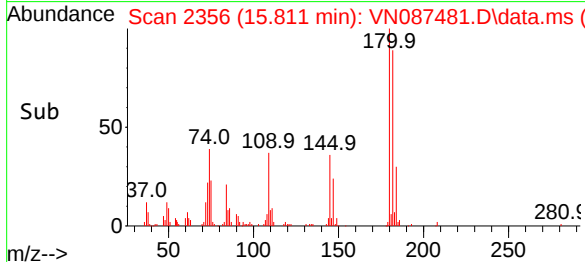
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



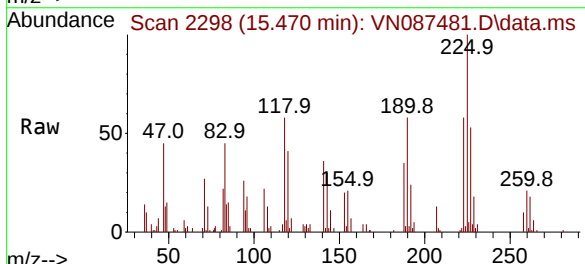
Tgt Ion:180 Resp: 8668
Ion Ratio Lower Upper
180 100
182 92.9 75.0 112.4
145 35.1 28.6 43.0

Manual Integrations
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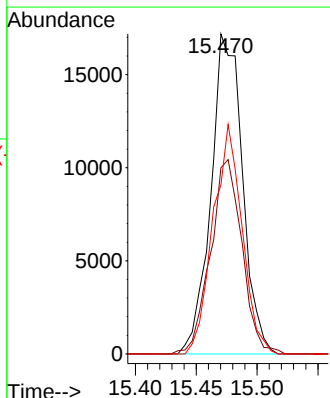
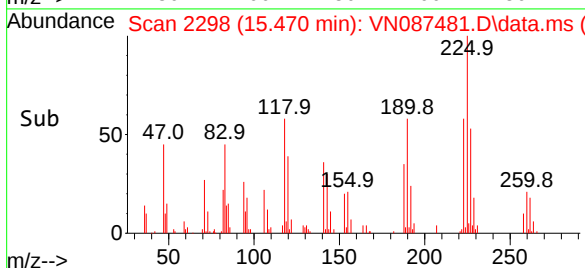
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

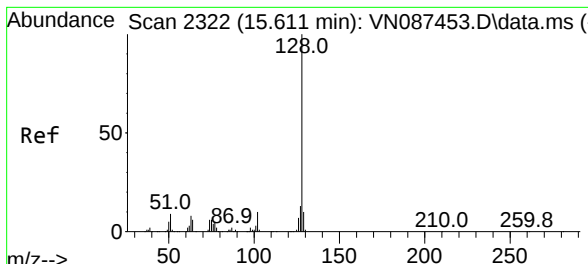


#90
Hexachlorobutadiene
Concen: 16.371 ug/l
RT: 15.470 min Scan# 2298
Delta R.T. -0.006 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08



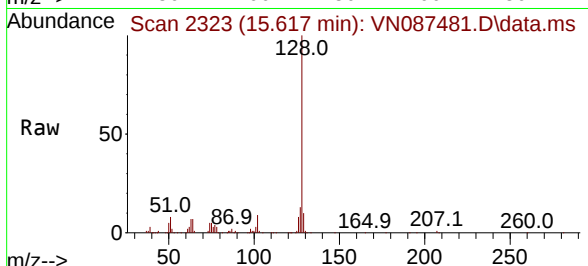
Tgt Ion:225 Resp: 30948
Ion Ratio Lower Upper
225 100
223 60.4 0.0 116.0
227 66.0 0.0 127.0





#91
Naphthalene
Concen: 17.713 ug/l
RT: 15.617 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08

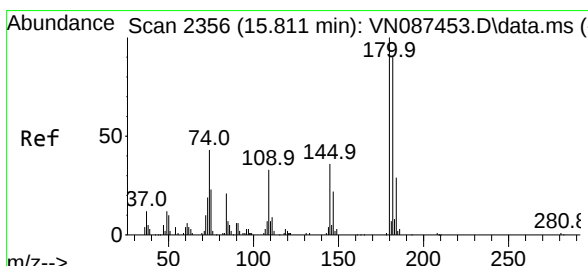
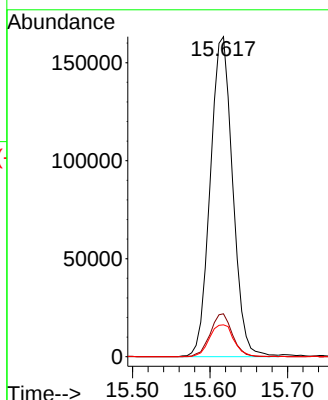
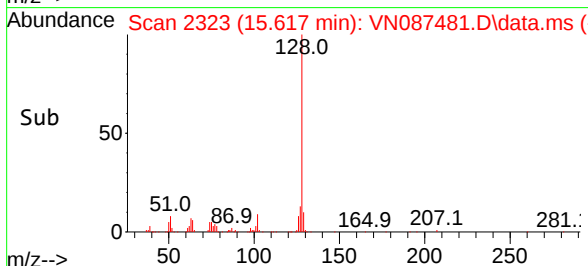
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



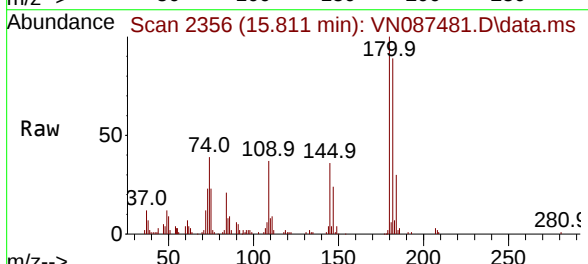
Tgt Ion:128 Resp: 328334
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 10.9 8.9 13.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025



#92
1,2,3-Trichlorobenzene
Concen: 17.831 ug/l
RT: 15.811 min Scan# 2356
Delta R.T. -0.000 min
Lab File: VN087481.D
Acq: 06 Aug 2025 16:08



Tgt Ion:180 Resp: 86683
Ion Ratio Lower Upper
180 100
182 92.9 0.0 187.4
145 35.1 0.0 71.6

