

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040425\
 Data File : VN086228.D
 Acq On : 04 Apr 2025 12:50
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/07/2025
 Supervised By : Mahesh Dadoda 04/07/2025

Quant Time: Apr 04 23:46:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N040425W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 04 23:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	28576	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	157501	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	139269	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	83300	29.045	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.833%		
60) 4-Bromofluorobenzene	12.847	95	77311	29.794	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.300%		
63) Toluene-d8	10.565	98	236679	30.463	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.533%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	12353	6.379	ug/l	98
3) Chloromethane	2.359	50	14521	6.903	ug/l	98
4) Vinyl Chloride	2.518	62	13097	6.686	ug/l	95
5) Bromomethane	2.959	94	7250	7.136	ug/l	97
6) Chloroethane	3.118	64	8020	6.860	ug/l	97
7) Trichlorofluoromethane	3.501	101	19234	7.335	ug/l	85
8) Diethyl Ether	3.953	74	6170	7.060	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	10918	7.486	ug/l	73
10) 1,1-Dichloroethene	4.348	96	10305	7.239	ug/l	94
11) Methyl Iodide	4.583	142	12771	6.994	ug/l	94
12) Methyl Acetate	5.018	43	13890	7.384	ug/l #	86
13) Acrolein	4.177	56	9525	46.357	ug/l	84
14) Acrylonitrile	5.718	53	26607	36.285	ug/l	88
15) Acetone	4.424	58	8073	35.291	ug/l	85
16) Carbon Disulfide	4.706	76	34446	7.553	ug/l	99
17) Allyl chloride	5.018	41	13958	7.049	ug/l	89
18) Methylene Chloride	5.265	84	11702	6.856	ug/l #	90
19) trans-1,2-Dichloroethene	5.783	96	11726	7.627	ug/l #	85
20) Diisopropyl ether	6.665	45	30979	7.452	ug/l	91
21) 1,1-Dichloroethane	6.565	63	21597	7.623	ug/l #	92
22) cis-1,2-Dichloroethene	7.489	96	12934	7.093	ug/l	94
23) tert-Butyl Alcohol	5.506	59	9572	35.748	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	33307	7.162	ug/l	96
25) Chloroform	7.965	83	22800	7.669	ug/l	98
26) Cyclohexane	8.259	56	15623	6.850	ug/l #	99
29) 1,1-Dichloropropene	8.371	75	14562	7.368	ug/l	96
30) 2-Butanone	7.483	43	31934	36.754	ug/l	99
31) 2,2-Dichloropropane	7.489	77	18634	7.652	ug/l #	84
32) 1,1,1-Trichloroethane	8.171	97	20301	7.596	ug/l	99
33) Carbon Tetrachloride	8.359	117	17184	7.539	ug/l	94
34) Benzene	8.600	78	47900	7.299	ug/l #	88
35) Methacrylonitrile	7.771	41	6805	7.015	ug/l	91
36) 1,2-Dichloroethane	8.665	62	16429	7.538	ug/l	99
37) Trichloroethene	9.347	130	12690	8.074	ug/l	83
38) Methylcyclohexane	9.600	83	14929	7.199	ug/l	98
39) 1,2-Dichloropropane	9.618	63	11861	7.800	ug/l	98
40) Dibromomethane	9.706	93	8134	7.249	ug/l	92
41) Bromodichloromethane	9.888	83	17446	7.741	ug/l	99
42) Vinyl Acetate	6.600	43	106269	34.321	ug/l	99

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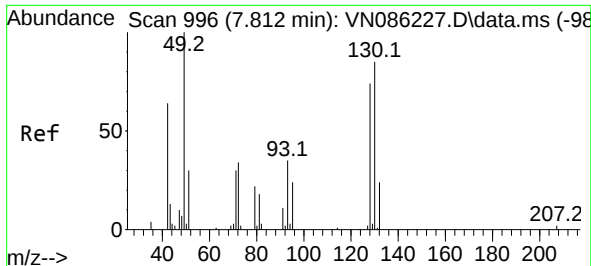
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 Supervised By : Mahesh Dadoda 04/07/2025

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	13066m	7.314	ug/l	
44) Isopropyl Acetate	8.683	43	22903	7.103	ug/l #	77
45) 1,4-Dioxane	9.688	88	4405	149.018	ug/l #	64
46) Methyl methacrylate	9.677	41	9093	6.885	ug/l	94
47) n-amyl Acetate	12.488	43	14928	6.776	ug/l	97
48) t-1,3-Dichloropropene	10.835	75	17374	7.481	ug/l	95
49) cis-1,3-Dichloropropene	10.306	75	18193	7.250	ug/l	97
50) 1,1,2-Trichloroethane	11.012	97	11198	7.633	ug/l	92
51) Ethyl methacrylate	10.871	69	14936	7.172	ug/l	95
52) 1,3-Dichloropropane	11.159	76	18734	7.330	ug/l	99
53) Dibromochloromethane	11.359	129	13227	7.744	ug/l	89
54) 1,2-Dibromoethane	11.465	107	10832	7.196	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	38388	40.197	ug/l	99
56) Bromoform	12.576	173	8549	7.398	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	61674	37.523	ug/l	98
59) 2-Hexanone	11.194	43	44483	37.705	ug/l	98
61) Tetrachloroethene	11.100	164	12164	7.484	ug/l	95
62) Toluene	10.630	91	48987	7.705	ug/l	99
64) Chlorobenzene	11.888	112	31406	7.917	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.959	131	11868	8.130	ug/l	99
66) Ethyl Benzene	11.959	91	47898	7.260	ug/l	95
67) m/p-Xylenes	12.071	106	38134	14.642	ug/l	99
68) o-Xylene	12.394	106	17182	6.835	ug/l	89
69) Styrene	12.406	104	28554	7.123	ug/l	98
70) Isopropylbenzene	12.694	105	43838	6.987	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	14121	7.760	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	15420m	8.776	ug/l	
73) Bromobenzene	12.976	156	12396	7.668	ug/l	96
74) n-propylbenzene	13.029	91	50517	7.033	ug/l	99
75) 2-Chlorotoluene	13.123	91	34680	7.251	ug/l	100
76) 1,3,5-Trimethylbenzene	13.171	105	36607	6.921	ug/l	99
77) t-1,4-Dichloro-2-butene	12.729	75	4970	7.092	ug/l	80
78) 4-Chlorotoluene	13.218	91	34310	7.233	ug/l	100
79) tert-butylbenzene	13.435	119	30057	6.896	ug/l	99
80) 1,2,4-Trimethylbenzene	13.476	105	36302	6.840	ug/l	95
81) sec-Butylbenzene	13.612	105	42677	7.149	ug/l	99
82) p-Isopropyltoluene	13.723	119	34002	6.961	ug/l	97
83) 1,3-Dichlorobenzene	13.729	146	22025	7.501	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	22559	7.871	ug/l	95
85) n-Butylbenzene	14.053	91	28866	7.319	ug/l	97
86) Hexachloroethane	14.329	117	6454	7.457	ug/l	92
87) 1,2-Dichlorobenzene	14.106	146	22329	7.764	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.712	75	3050	7.877	ug/l	93
89) 1,2,4-Trichlorobenzene	15.835	180	11161	7.977	ug/l	95
90) Hexachlorobutadiene	15.494	225	7164	9.340	ug/l	95
91) Naphthalene	15.635	128	33727	7.437	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	11161	7.977	ug/l	95

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



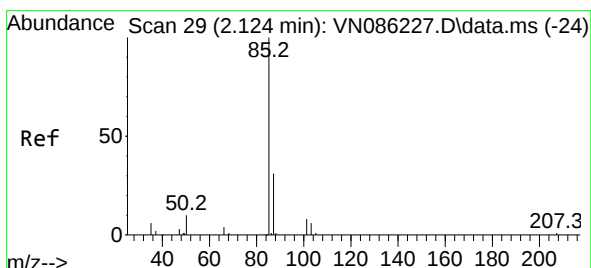
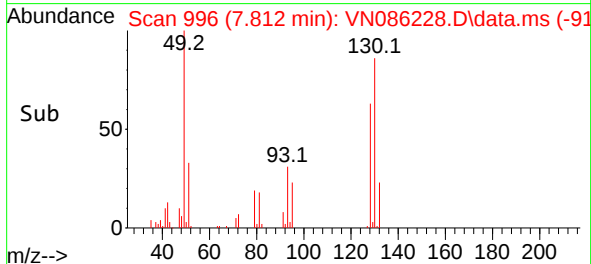
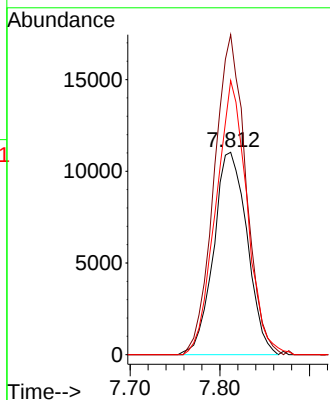
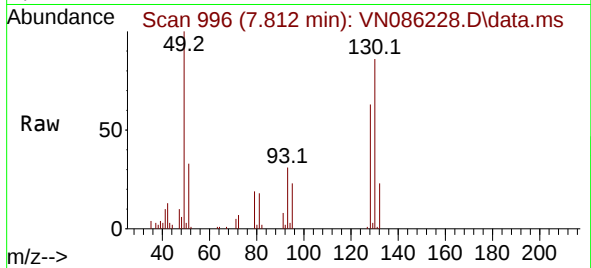
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 28570
Ion Ratio Lower Upper
128 100
49 149.8 0.0 384.5
130 126.7 0.0 324.3

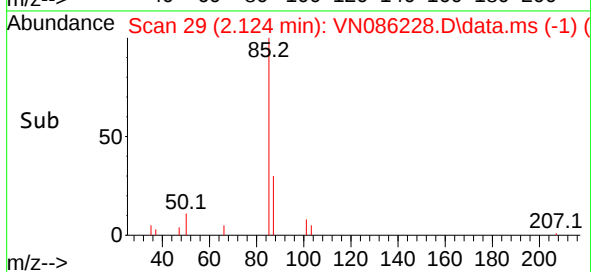
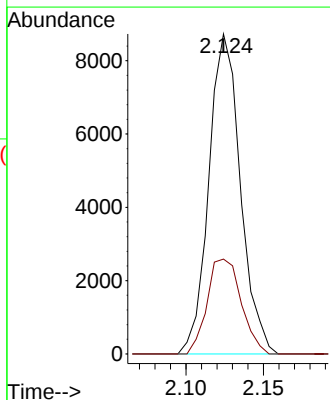
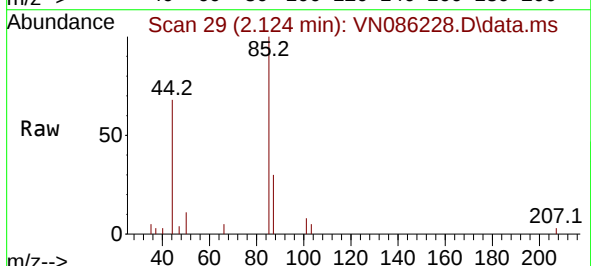
Manual Integrations
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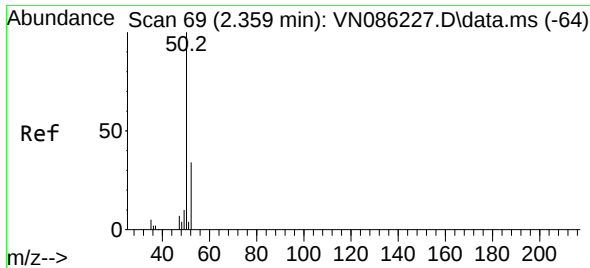
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#2
Dichlorodifluoromethane
Concen: 6.379 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

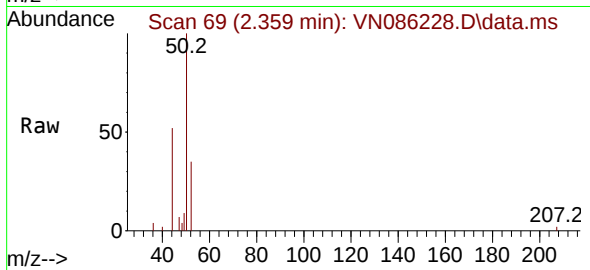
Tgt Ion: 85 Resp: 12353
Ion Ratio Lower Upper
85 100
87 29.6 15.4 46.2





#3
Chloromethane
Concen: 6.903 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

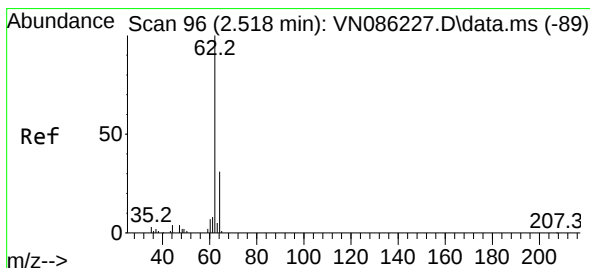
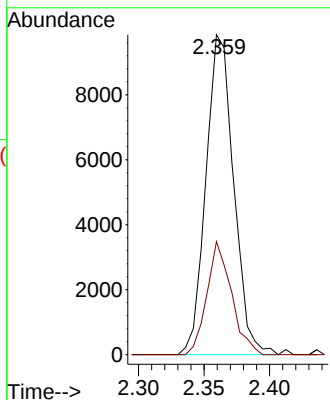
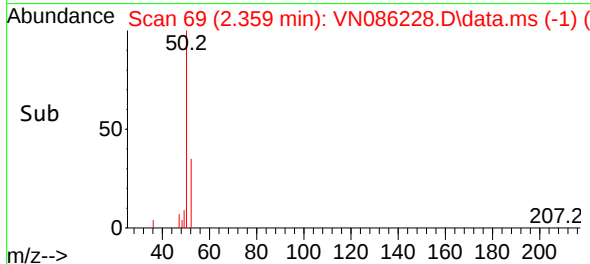
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



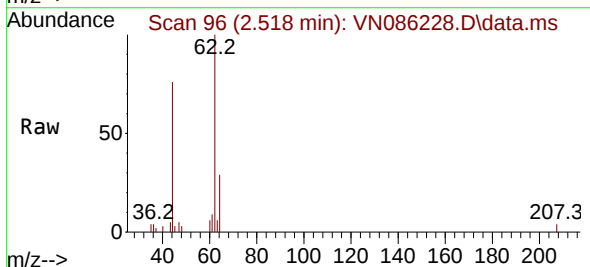
Tgt Ion: 50 Resp: 1452
Ion Ratio Lower Upper
50 100
52 35.4 27.5 41.3

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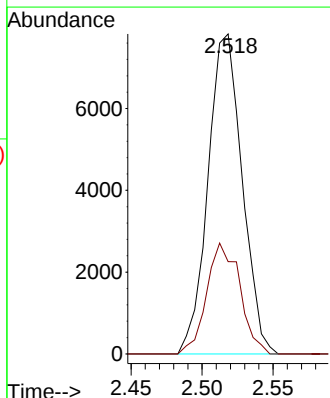
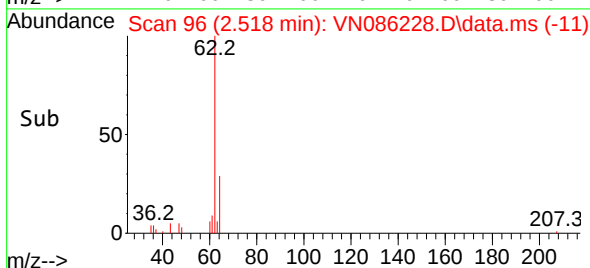
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

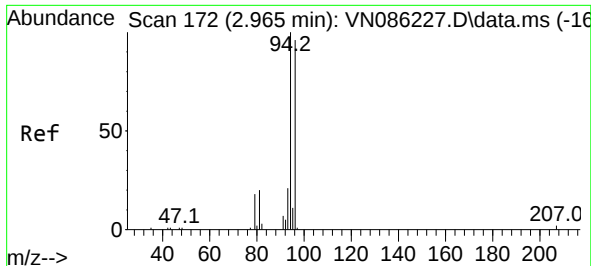


#4
Vinyl Chloride
Concen: 6.686 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50



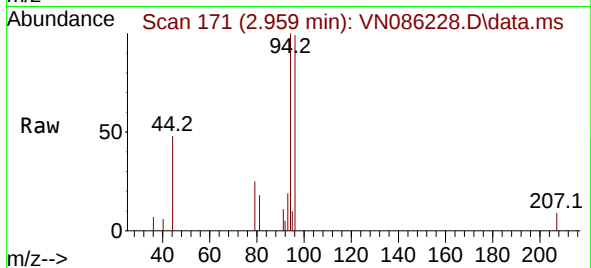
Tgt Ion: 62 Resp: 13097
Ion Ratio Lower Upper
62 100
64 28.9 25.1 37.7





#5
Bromomethane
Concen: 7.136 ug/l
RT: 2.959 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

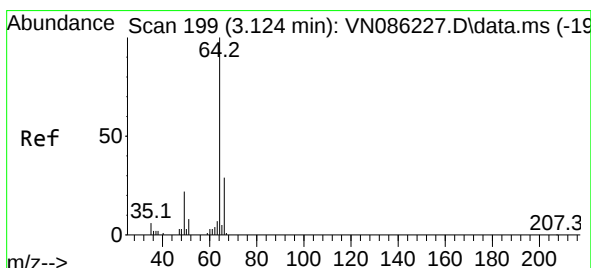
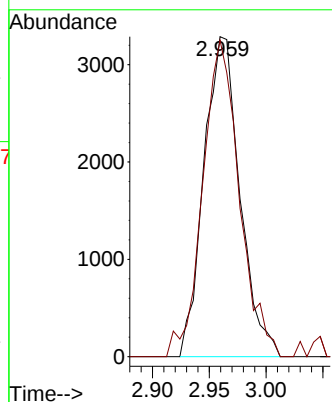
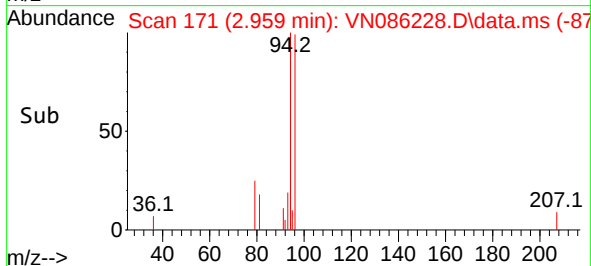
Instrument :
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ClientSampleId :
VSTDICC005



Tgt Ion: 94 Resp: 7250
Ion Ratio Lower Upper
94 100
96 98.8 77.0 115.4

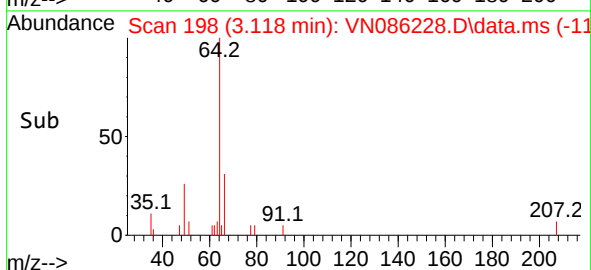
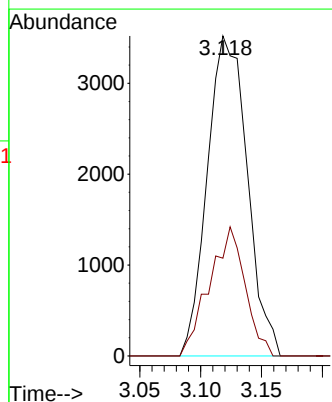
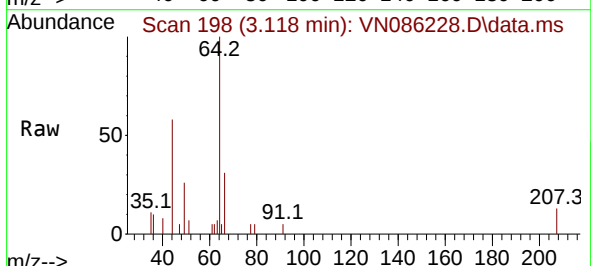
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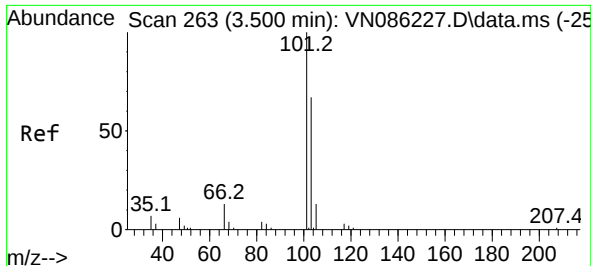
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#6
Chloroethane
Concen: 6.860 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

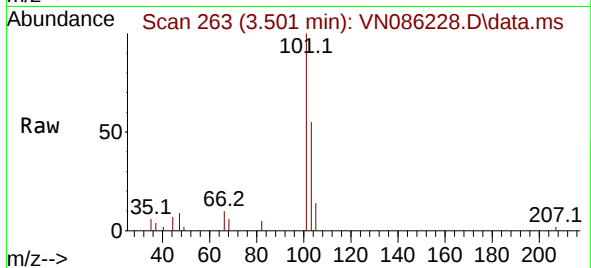
Tgt Ion: 64 Resp: 8020
Ion Ratio Lower Upper
64 100
66 30.6 23.4 35.0





#7
 Trichlorofluoromethane
 Concen: 7.335 ug/l
 RT: 3.501 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN086228.D
 Acq: 04 Apr 2025 12:50

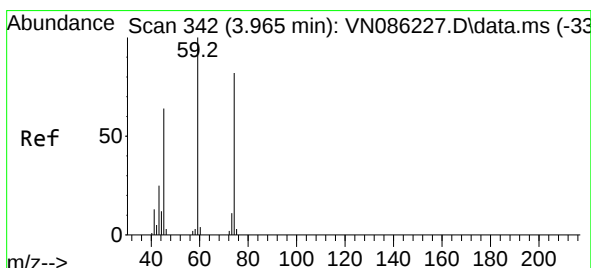
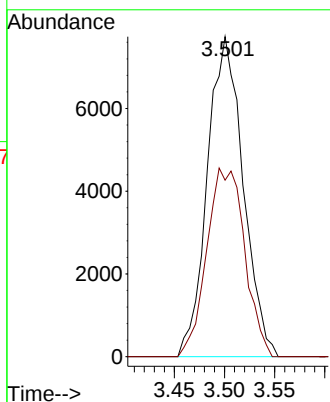
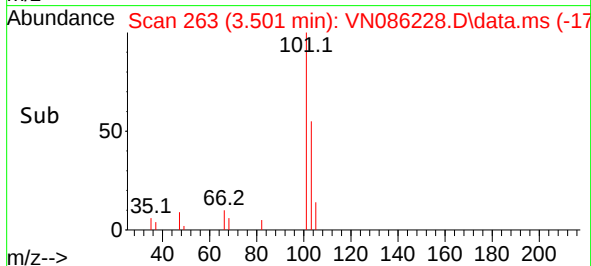
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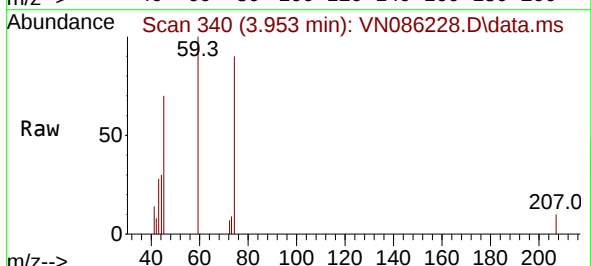
Tgt Ion: 101 Resp: 19234
 Ion Ratio Lower Upper
 101 100
 103 55.1 53.4 80.2

Manual Integrations
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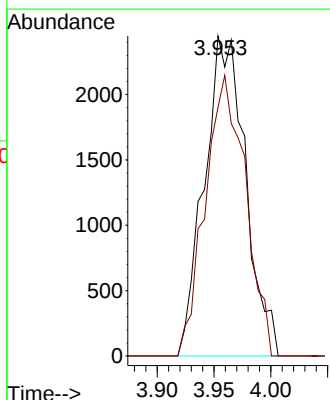
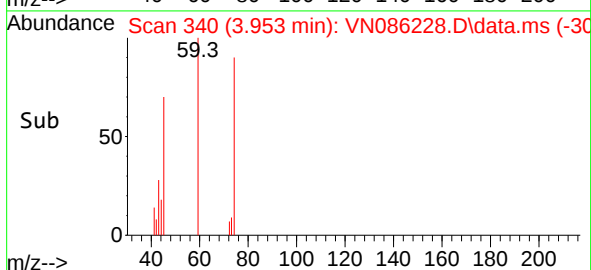
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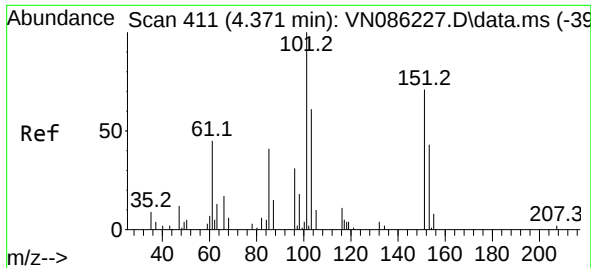


#8
 Diethyl Ether
 Concen: 7.060 ug/l
 RT: 3.953 min Scan# 340
 Delta R.T. -0.012 min
 Lab File: VN086228.D
 Acq: 04 Apr 2025 12:50



Tgt Ion: 74 Resp: 6170
 Ion Ratio Lower Upper
 74 100
 45 85.5 16.5 148.5





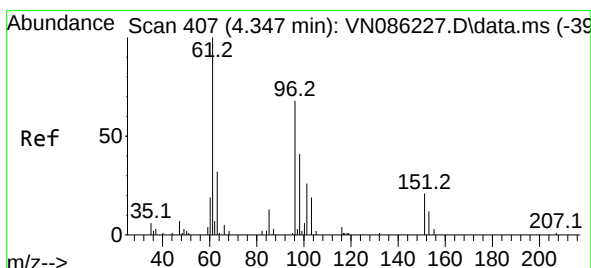
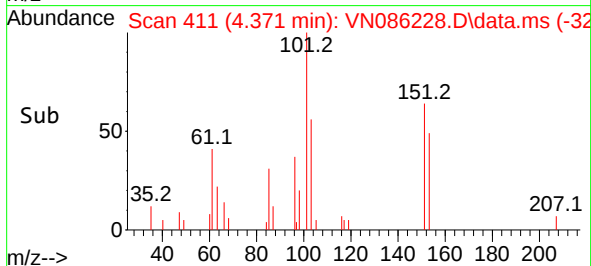
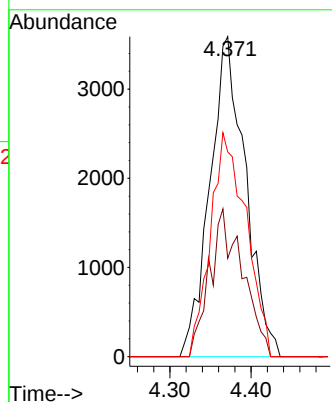
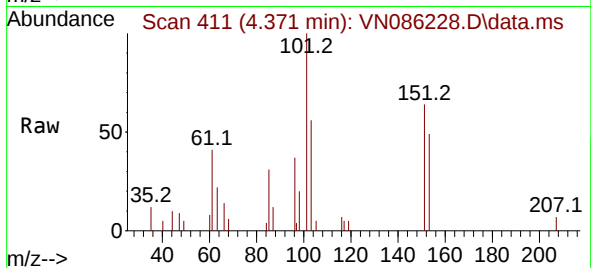
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 1,1,2-Trichlorotrifluoroethane
 Concen: 7.486 ug/l
 RT: 4.371 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VN086228.D
 Acq: 04 Apr 2025 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion:	101	Resp:	10918
Ion Ratio	Lower	Upper	
101	100		
85	23.6	0.0	89.2
151	55.3	0.0	152.2

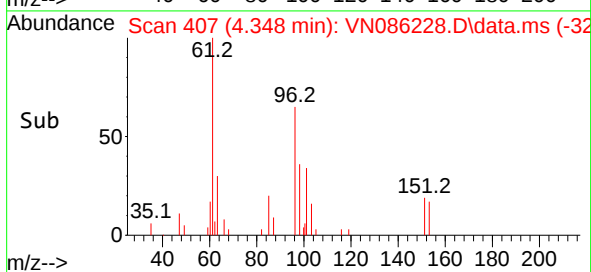
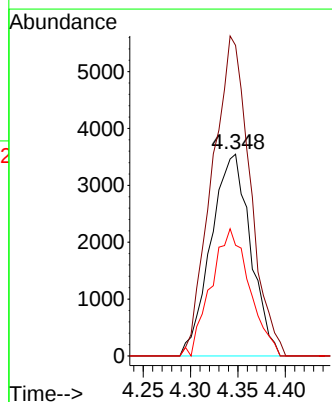
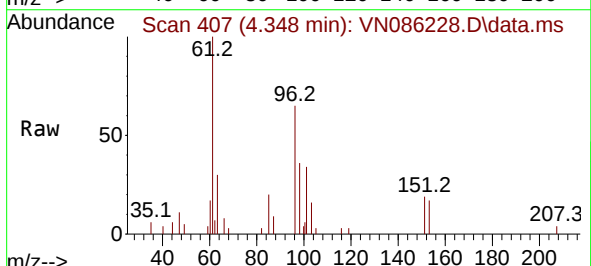
Manual Integrations
 APPROVED

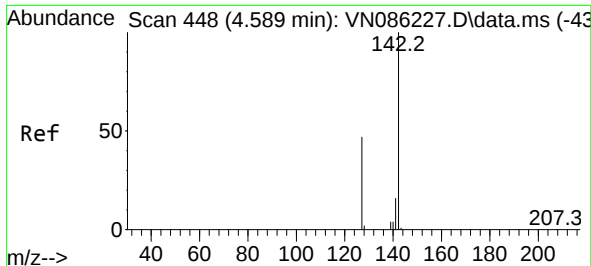
Reviewed By :John Carlone 04/07/2025
 Supervised By :Mahesh Dadoda 04/07/2025



#10
 1,1-Dichloroethene
 Concen: 7.239 ug/l
 RT: 4.348 min Scan# 407
 Delta R.T. 0.000 min
 Lab File: VN086228.D
 Acq: 04 Apr 2025 12:50

Tgt Ion:	96	Resp:	10305
Ion Ratio	Lower	Upper	
96	100		
61	153.9	117.0	175.6
98	54.8	47.8	71.8





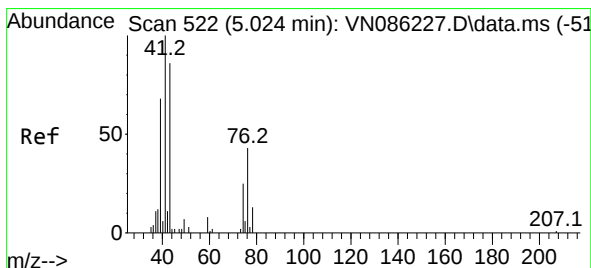
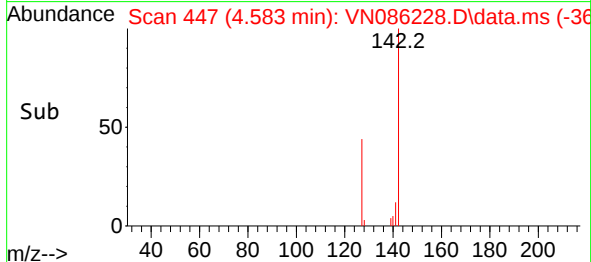
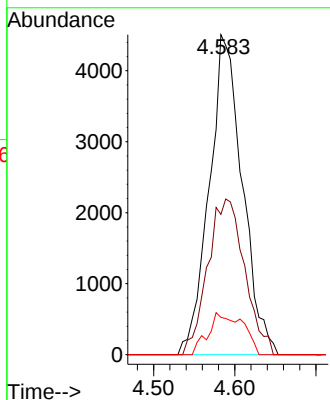
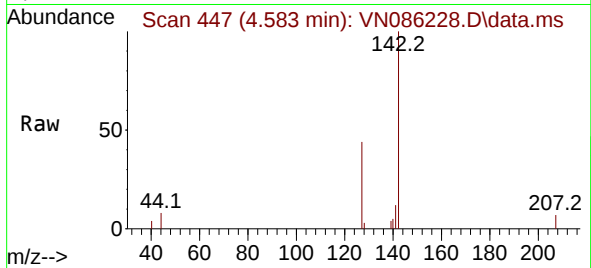
#11
Methyl Iodide
Concen: 6.994 ug/l
RT: 4.583 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:142 Resp: 1277
Ion Ratio Lower Upper
142 100
127 43.9 23.6 71.0
141 11.7 8.0 24.0

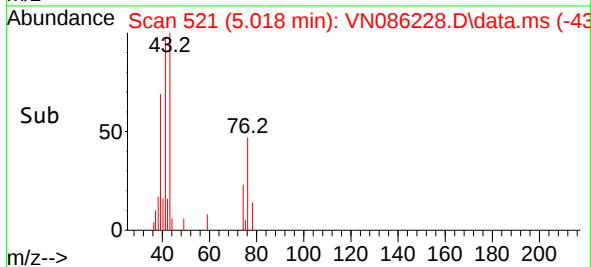
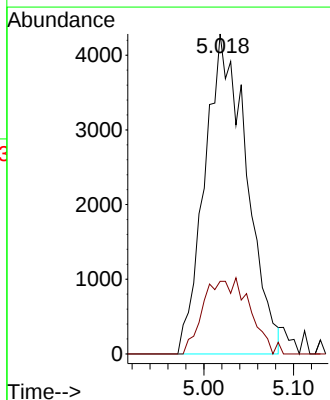
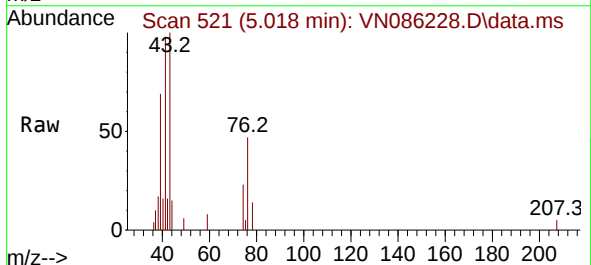
Manual Integrations
APPROVED

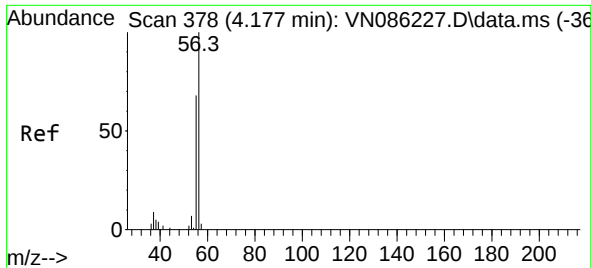
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#12
Methyl Acetate
Concen: 7.384 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

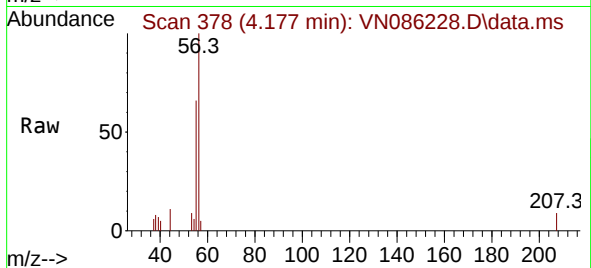
Tgt Ion: 43 Resp: 13890
Ion Ratio Lower Upper
43 100
74 21.8 23.2 34.8#





#13
Acrolein
Concen: 46.357 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

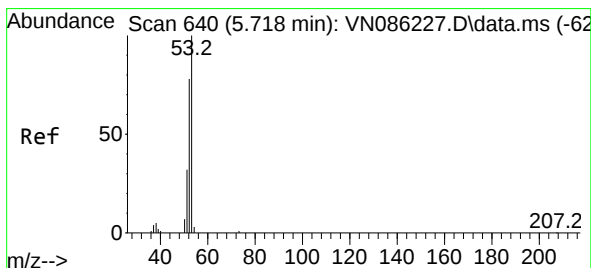
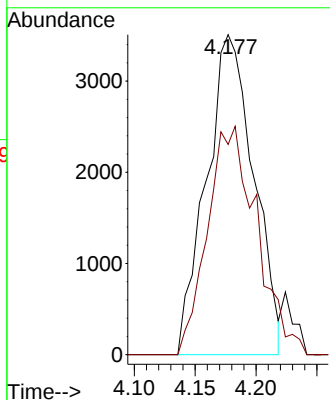
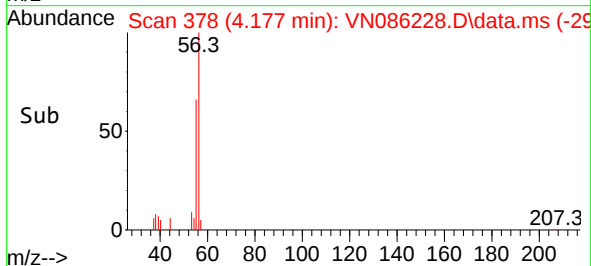
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



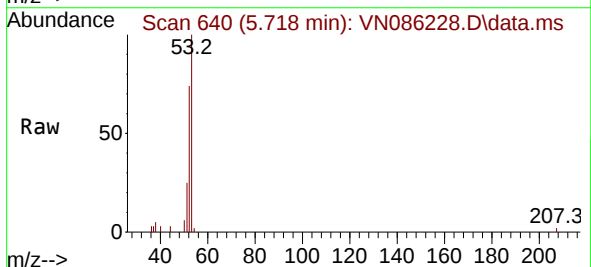
Tgt Ion: 56 Resp: 952
Ion Ratio Lower Upper
56 100
55 57.5 56.8 85.2

Manual Integrations
APPROVED

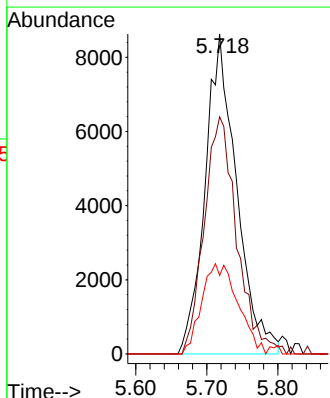
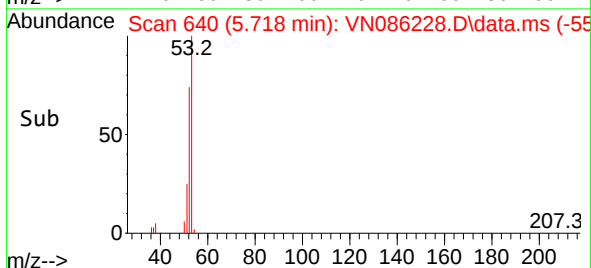
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

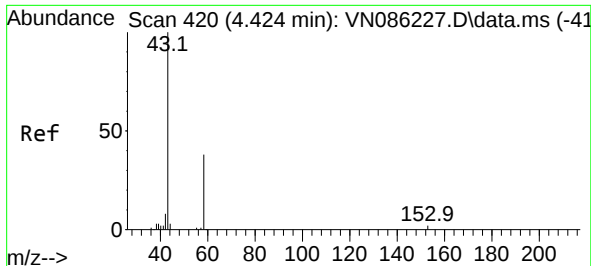


#14
Acrylonitrile
Concen: 36.285 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50



Tgt Ion: 53 Resp: 26607
Ion Ratio Lower Upper
53 100
52 76.6 40.6 121.8
51 17.0 16.9 50.7





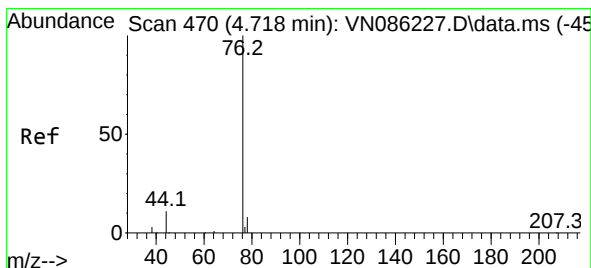
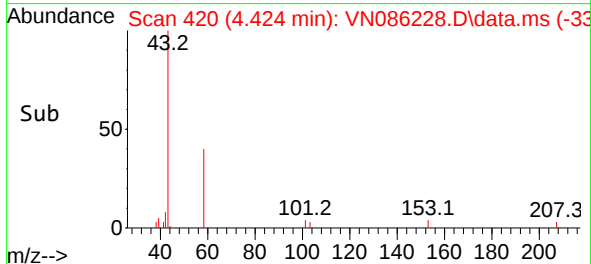
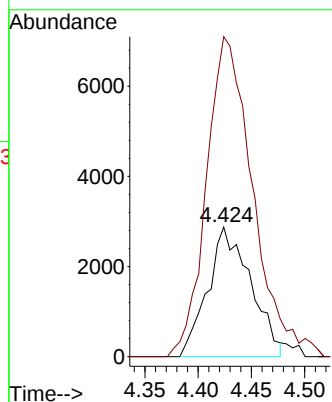
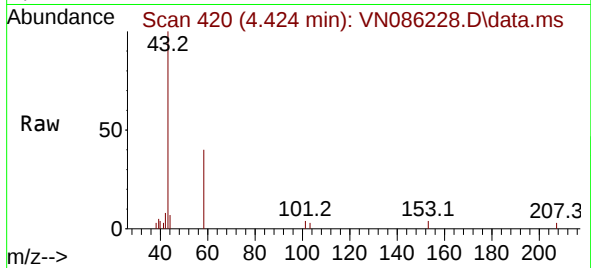
#15
Acetone
Concen: 35.291 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 58 Resp: 807
Ion Ratio Lower Upper
58 100
43 235.5 209.6 314.4

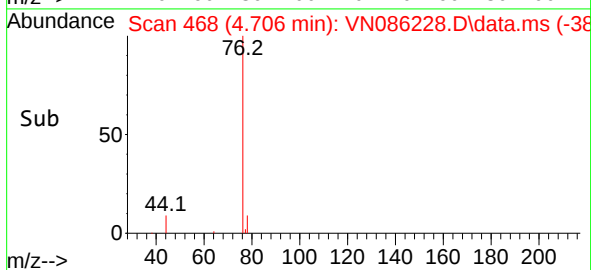
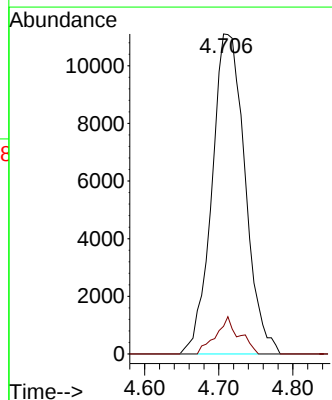
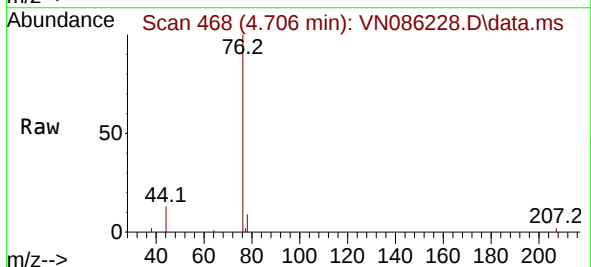
Manual Integrations
APPROVED

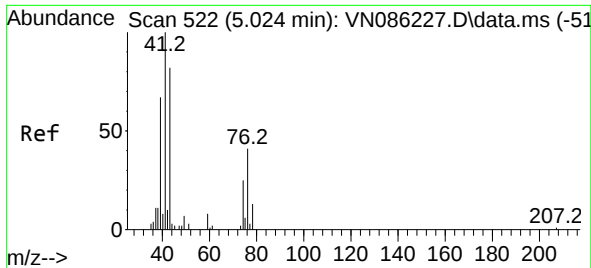
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#16
Carbon Disulfide
Concen: 7.553 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.012 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Tgt Ion: 76 Resp: 34446
Ion Ratio Lower Upper
76 100
78 8.7 6.6 9.8





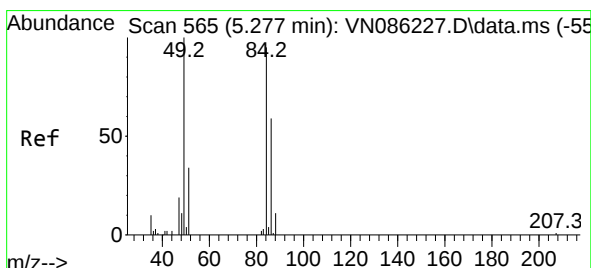
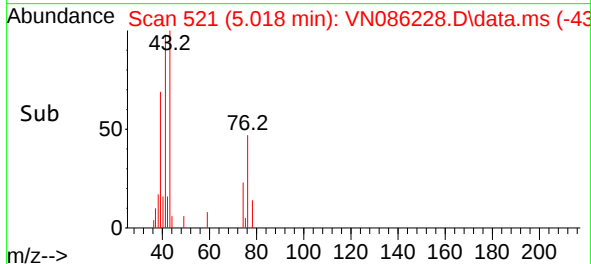
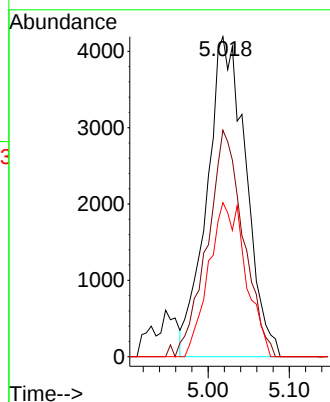
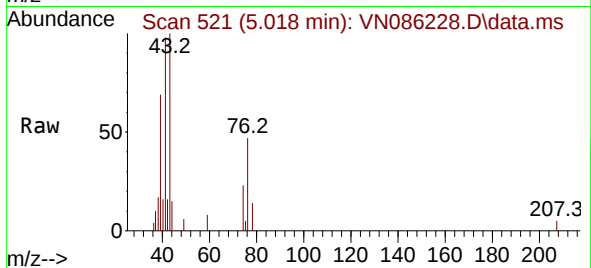
#17
 Allyl chloride
 Concen: 7.049 ug/l
 RT: 5.018 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN086228.D
 Acq: 04 Apr 2025 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 41	Resp: 1395
Ion Ratio	Lower Upper
41 100	
39 70.8	32.1 96.5
76 48.2	19.6 58.7

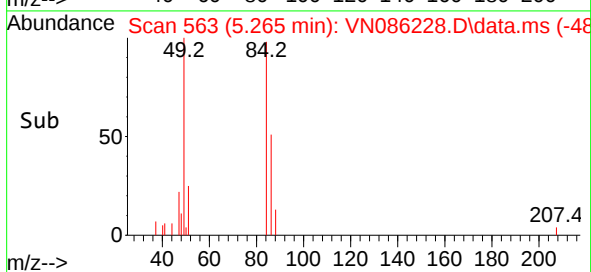
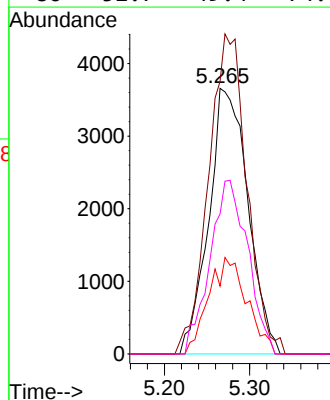
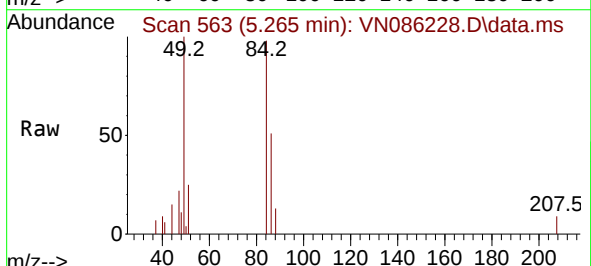
Manual Integrations
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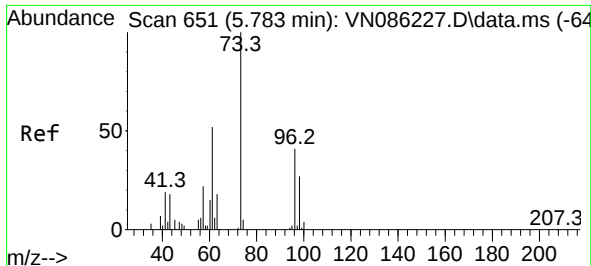
Reviewed By :John Carlone 04/07/2025
 Supervised By :Mahesh Dadoda 04/07/2025



#18
 Methylene Chloride
 Concen: 6.856 ug/l
 RT: 5.265 min Scan# 563
 Delta R.T. -0.012 min
 Lab File: VN086228.D
 Acq: 04 Apr 2025 12:50

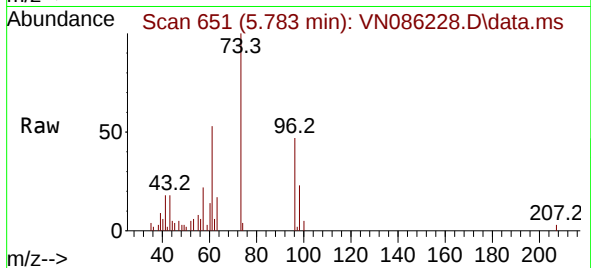
Tgt Ion: 84	Resp: 11702
Ion Ratio	Lower Upper
84 100	
49 97.9	84.1 126.1
51 25.5	28.9 43.3#
86 52.7	49.4 74.0





#19
trans-1,2-Dichloroethene
Concen: 7.627 ug/l
RT: 5.783 min Scan# 651
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

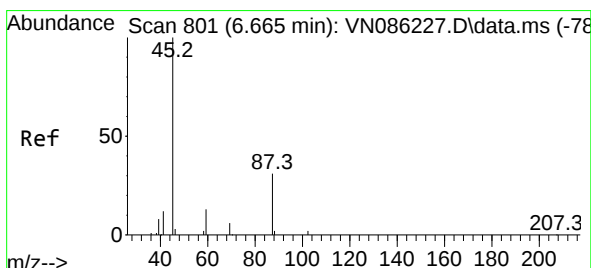
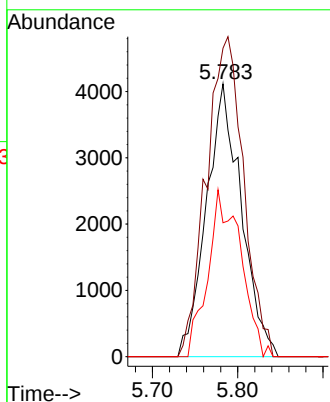
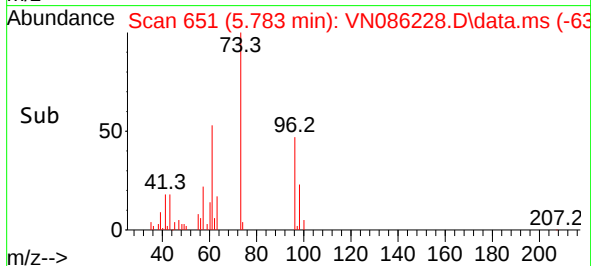
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 96 Resp: 11720
Ion Ratio Lower Upper
96 100
61 113.1 101.9 152.9
98 49.1 52.3 78.5

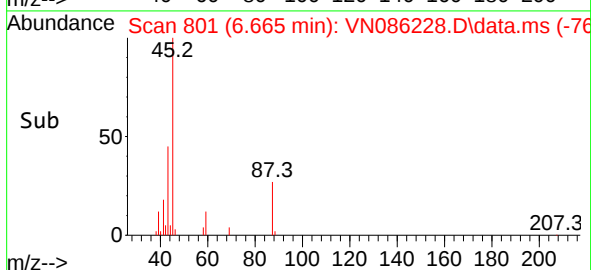
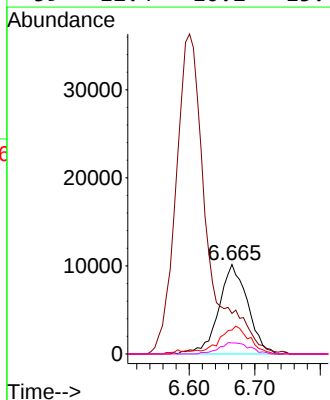
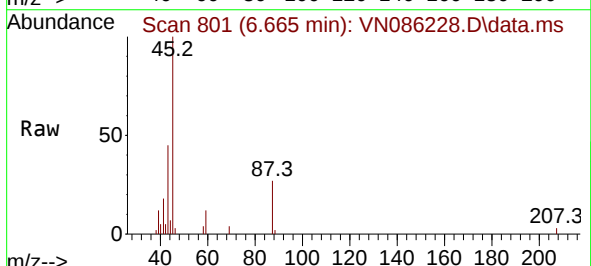
Manual Integrations
APPROVED

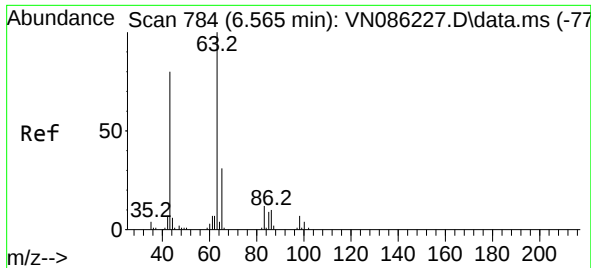
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#20
Diisopropyl ether
Concen: 7.452 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Tgt Ion: 45 Resp: 30979
Ion Ratio Lower Upper
45 100
43 43.2 40.3 60.5
87 26.8 26.5 39.7
59 12.4 10.2 15.4





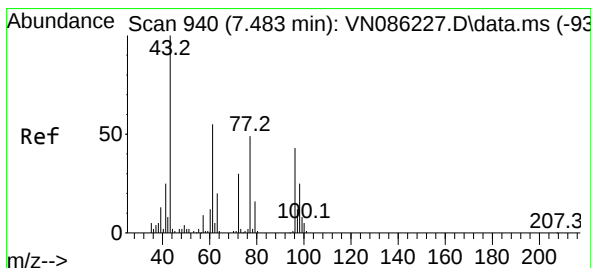
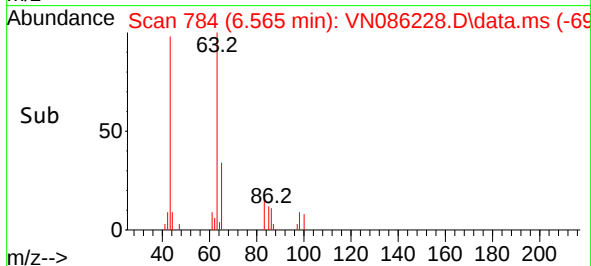
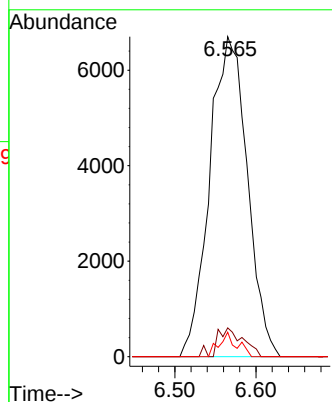
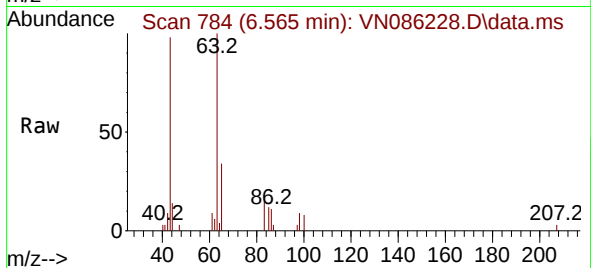
#21
1,1-Dichloroethane
Concen: 7.623 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 2159
Ion Ratio Lower Upper
63 100
98 9.0 3.3 9.9
100 7.7 2.1 6.2

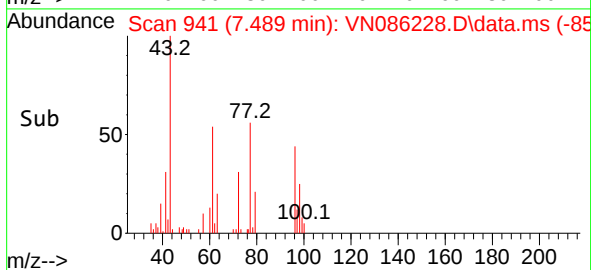
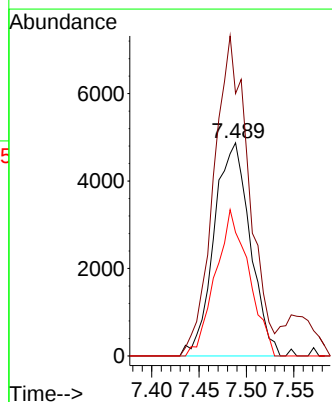
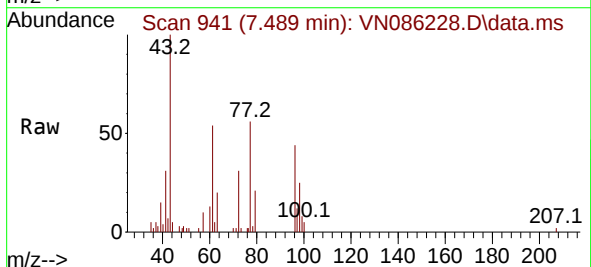
Manual Integrations
APPROVED

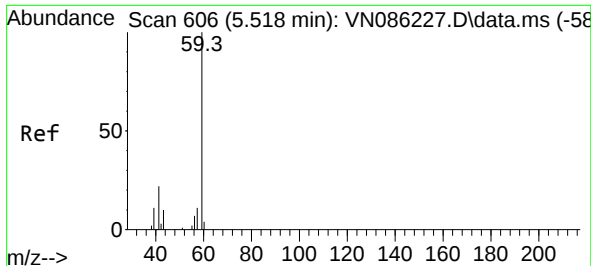
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#22
cis-1,2-Dichloroethene
Concen: 7.093 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

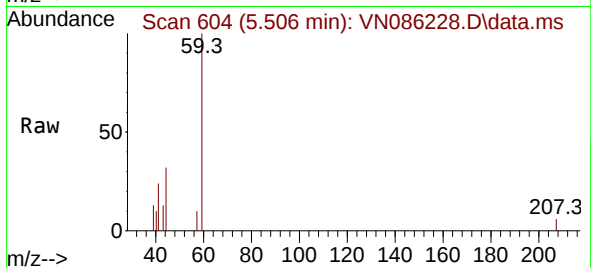
Tgt Ion: 96 Resp: 12934
Ion Ratio Lower Upper
96 100
61 145.8 109.7 164.5
98 63.7 49.7 74.5





#23
tert-Butyl Alcohol
Concen: 35.748 ug/l
RT: 5.506 min Scan# 606
Delta R.T. -0.012 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

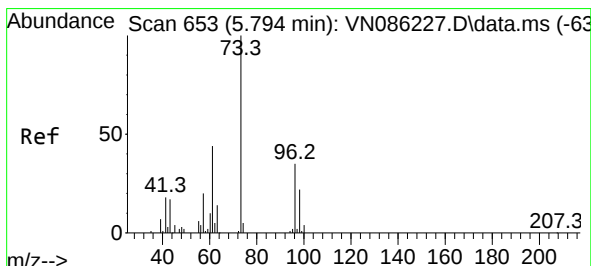
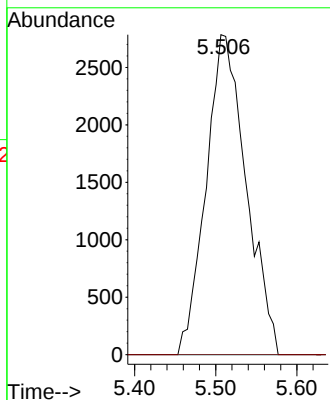
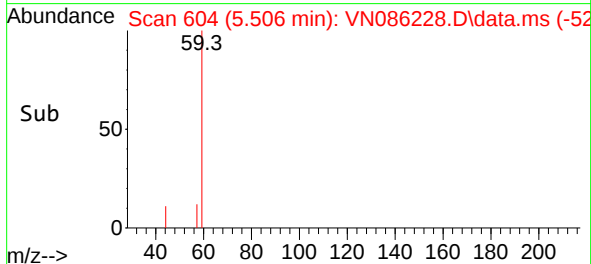
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



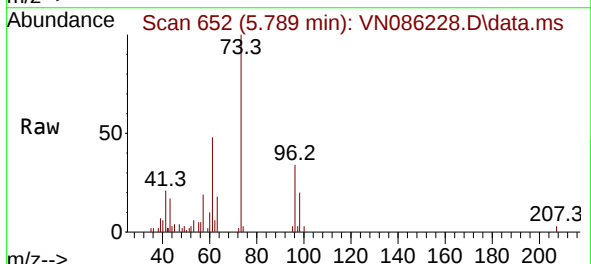
Tgt Ion: 59 Resp: 9572
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

Manual Integrations
APPROVED

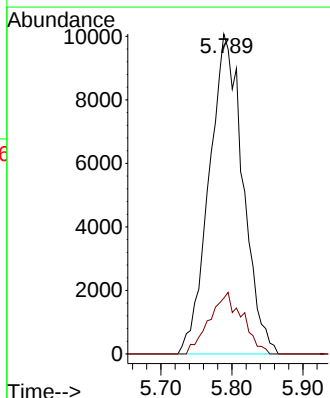
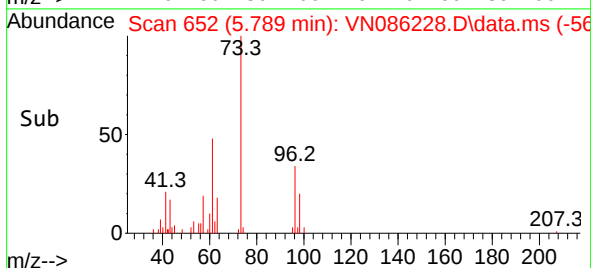
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

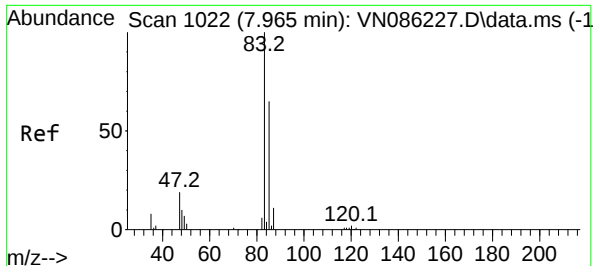


#24
Methyl tert-Butyl Ether
Concen: 7.162 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.006 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50



Tgt Ion: 73 Resp: 33307
Ion Ratio Lower Upper
73 100
43 18.9 13.9 20.9





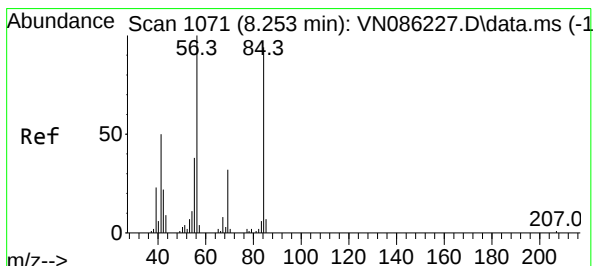
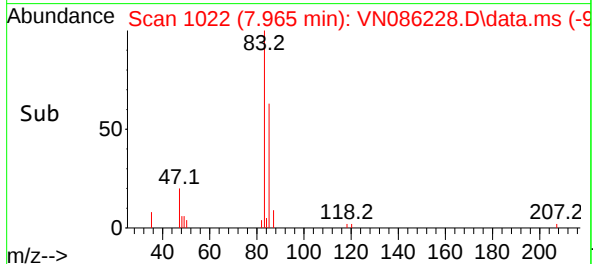
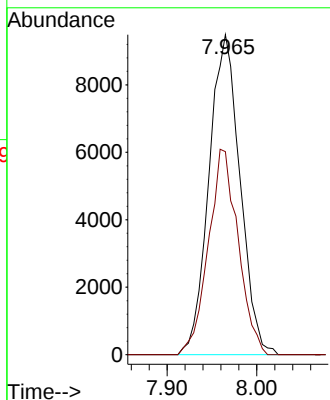
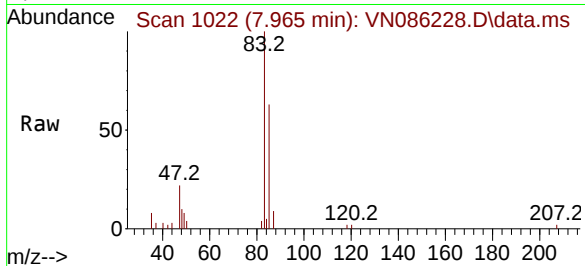
#25
Chloroform
Concen: 7.669 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 83 Resp: 22800
Ion Ratio Lower Upper
83 100
85 63.4 51.8 77.6

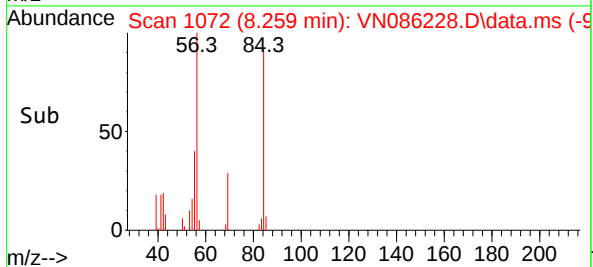
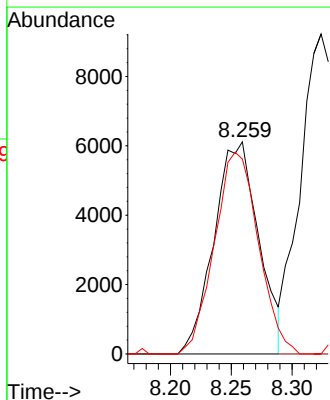
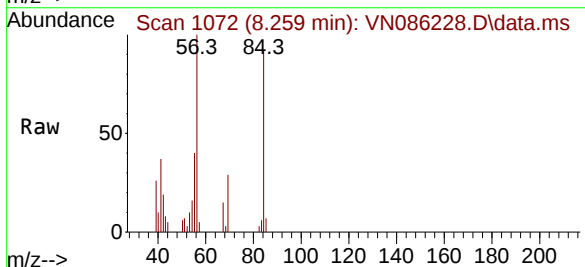
Manual Integrations
APPROVED

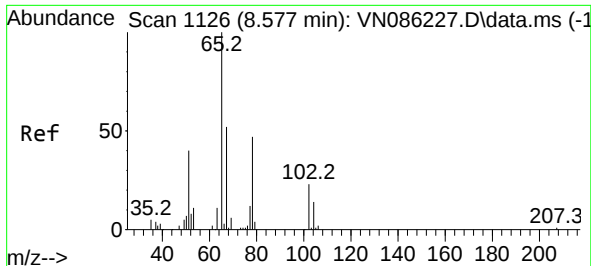
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#26
Cyclohexane
Concen: 6.850 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. 0.006 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Tgt Ion: 56 Resp: 15623
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 93.6 74.3 111.5





#27

1,2-Dichloroethane-d4

Concen: 29.045 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086228.D

Acq: 04 Apr 2025 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 83300

Ion Ratio Lower Upper

65 100

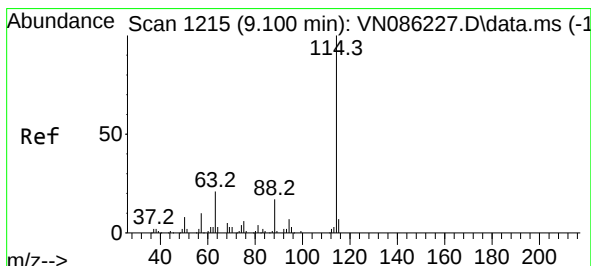
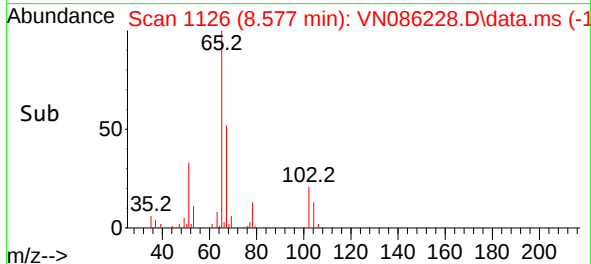
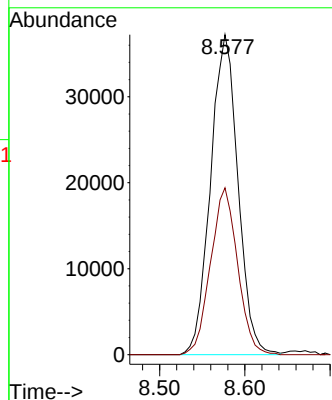
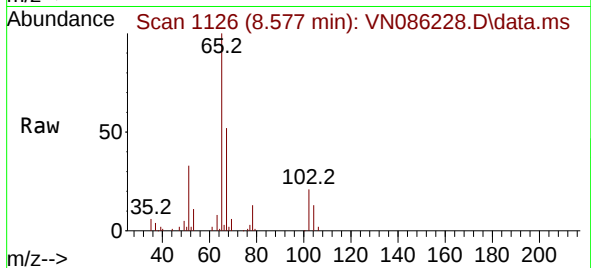
67 51.3 42.1 63.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/07/2025

Supervised By :Mahesh Dadoda 04/07/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN086228.D

Acq: 04 Apr 2025 12:50

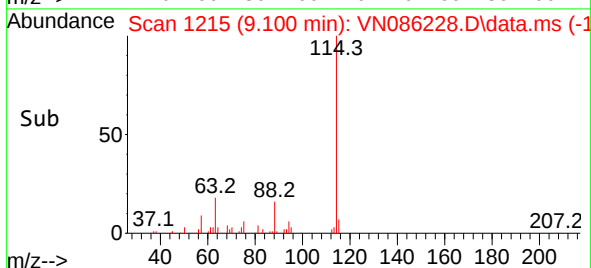
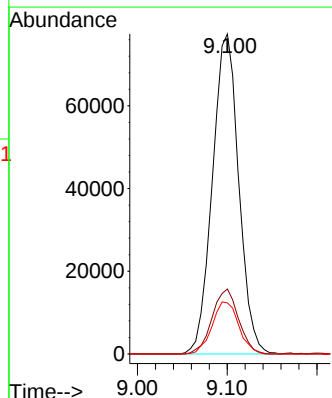
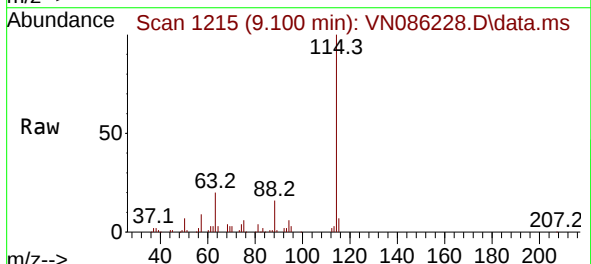
Tgt Ion:114 Resp: 157501

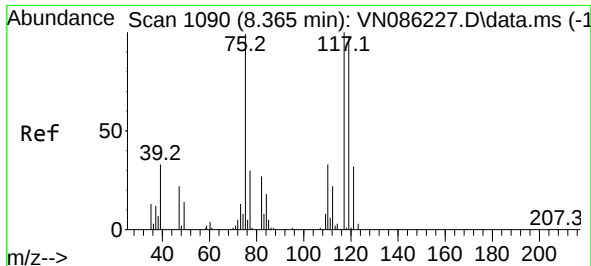
Ion Ratio Lower Upper

114 100

63 20.4 16.4 24.6

88 16.5 13.4 20.2





#29

1,1-Dichloropropene

Concen: 7.368 ug/l

RT: 8.371 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VN086228.D

Acq: 04 Apr 2025 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

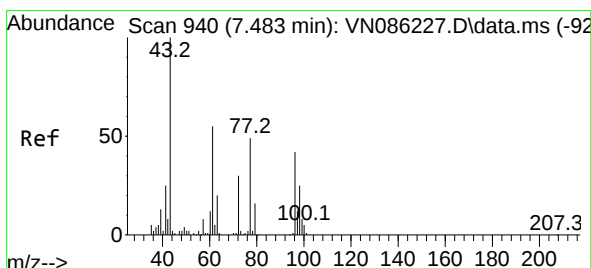
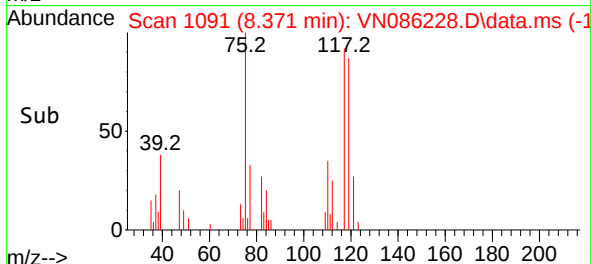
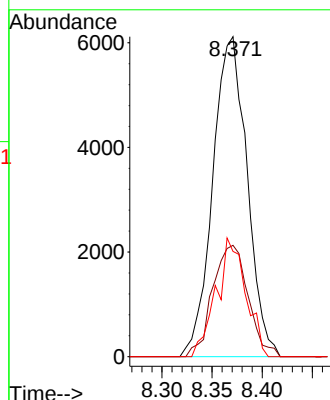
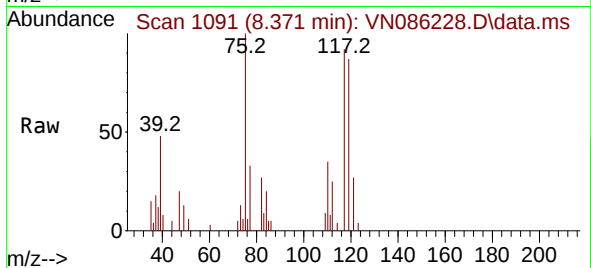
Tgt Ion: 75	Resp: 1456
Ion Ratio	Lower Upper
75 100	
110 35.6	0.0 66.8
77 31.9	0.0 58.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/07/2025

Supervised By :Mahesh Dadoda 04/07/2025



#30

2-Butanone

Concen: 36.754 ug/l

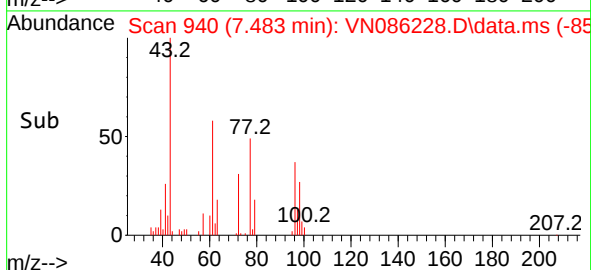
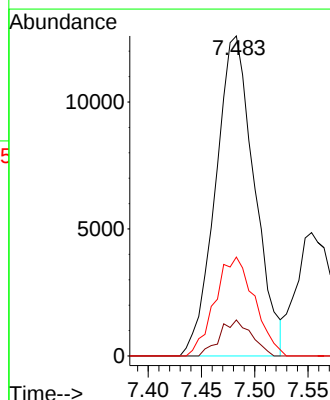
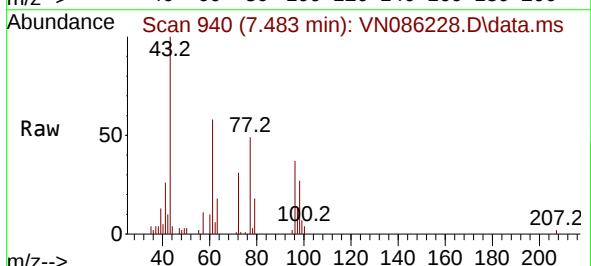
RT: 7.483 min Scan# 940

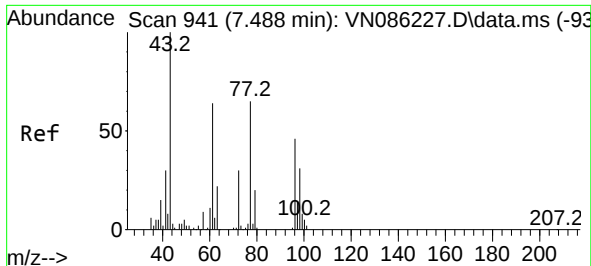
Delta R.T. 0.000 min

Lab File: VN086228.D

Acq: 04 Apr 2025 12:50

Tgt Ion: 43	Resp: 31934
Ion Ratio	Lower Upper
43 100	
57 9.2	7.3 10.9
72 31.4	24.3 36.5





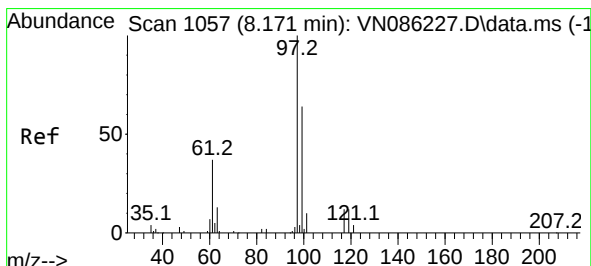
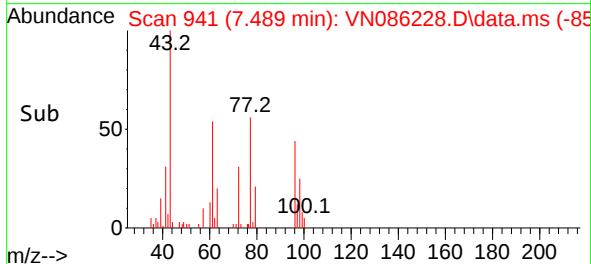
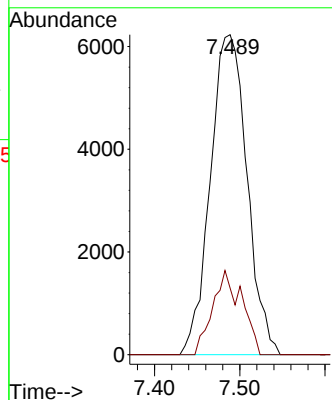
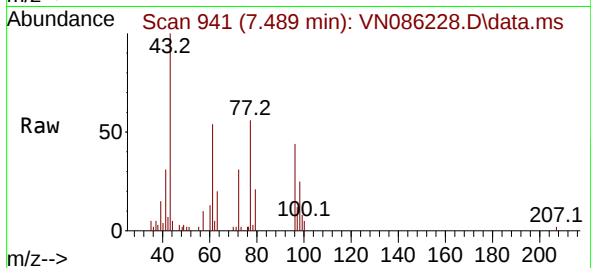
#31
2,2-Dichloropropane
Concen: 7.652 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 77 Resp: 18634
Ion Ratio Lower Upper
77 100
97 14.8 17.8 26.8

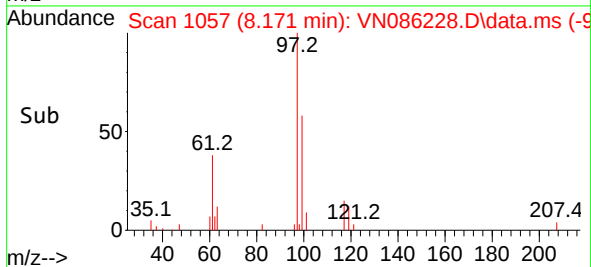
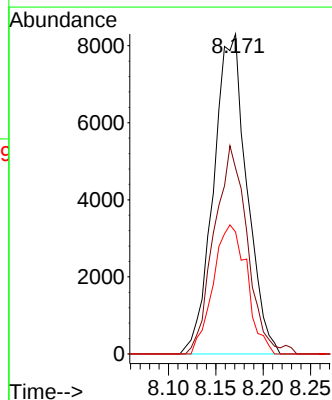
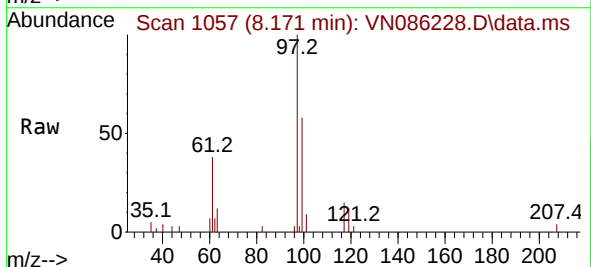
Manual Integrations
APPROVED

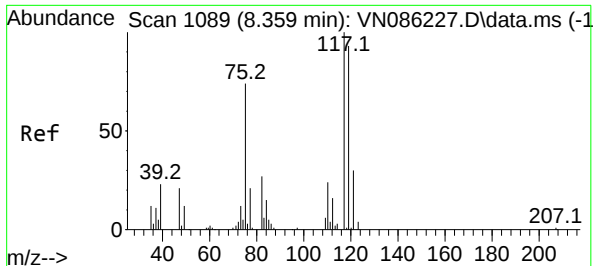
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#32
1,1,1-Trichloroethane
Concen: 7.596 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

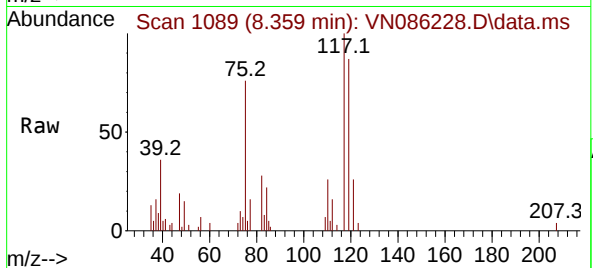
Tgt Ion: 97 Resp: 20301
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.6
61 40.9 31.7 47.5





#33
Carbon Tetrachloride
Concen: 7.539 ug/l
RT: 8.359 min Scan# 1108
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

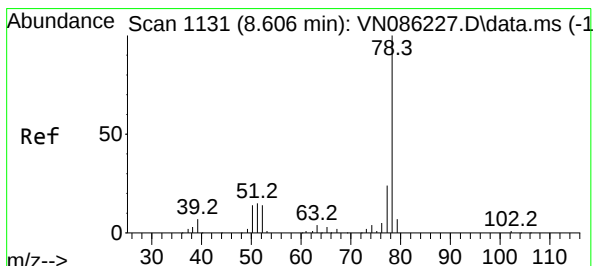
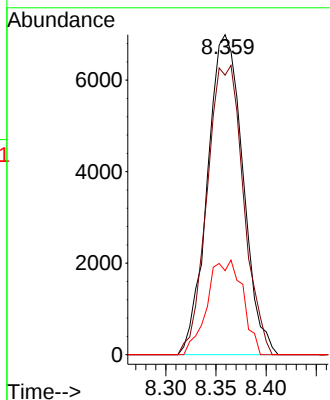
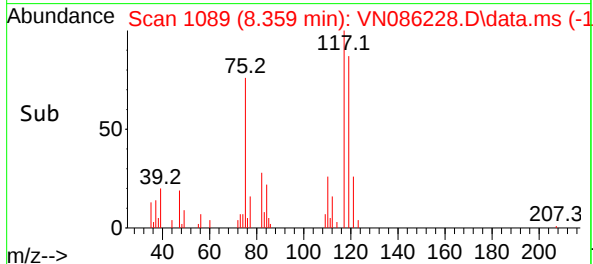
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



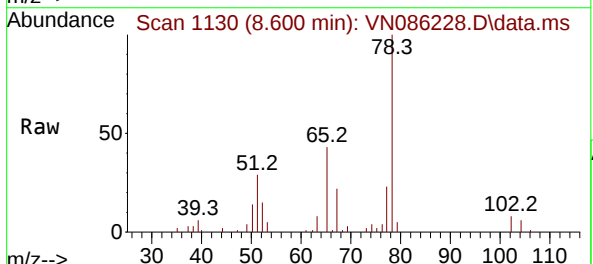
Tgt Ion: 117 Resp: 17184
Ion Ratio Lower Upper
117 100
119 87.3 74.6 112.0
121 26.3 23.8 35.8

Manual Integrations
APPROVED

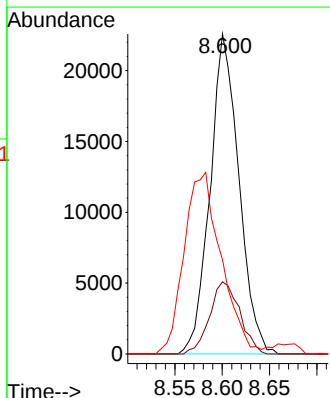
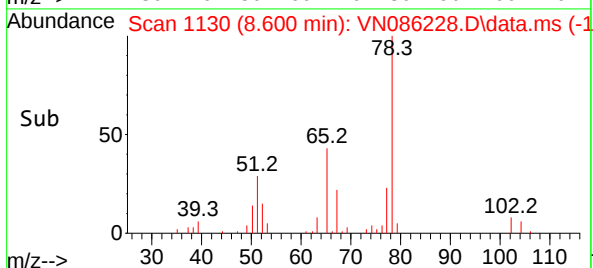
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

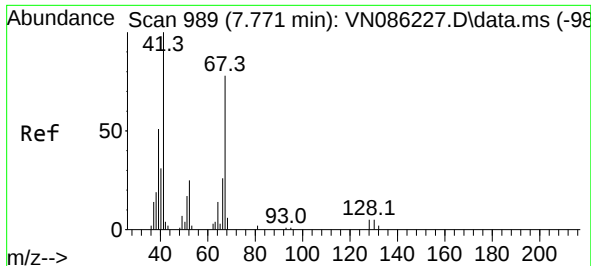


#34
Benzene
Concen: 7.299 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50



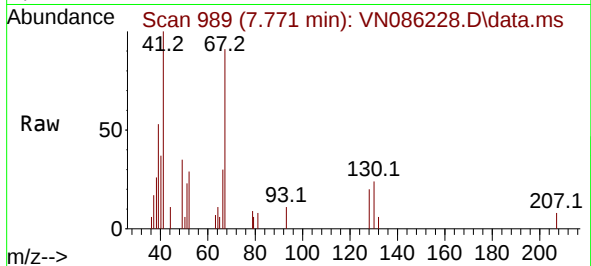
Tgt Ion: 78 Resp: 47900
Ion Ratio Lower Upper
78 100
77 22.5 18.8 28.2
51 26.3 11.9 17.9#





#35
Methacrylonitrile
Concen: 7.015 ug/l
RT: 7.771 min Scan# 989
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

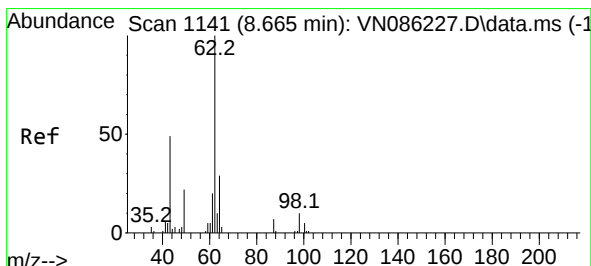
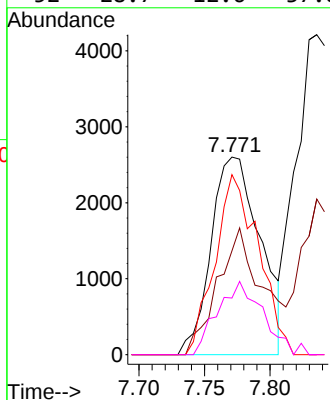
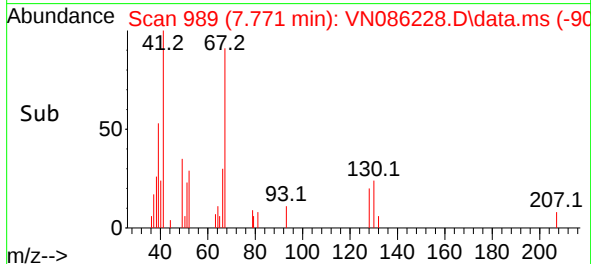
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



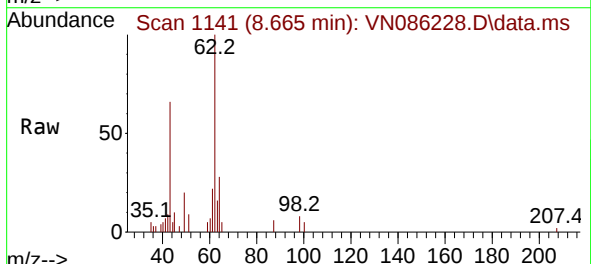
Tgt Ion: 41 Resp: 680
Ion Ratio Lower Upper
41 100
39 52.6 25.7 77.0
67 91.0 39.0 117.0
52 28.7 12.6 37.8

Manual Integrations
APPROVED

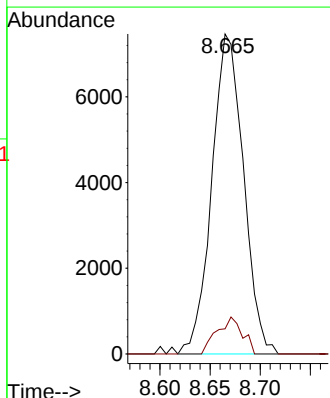
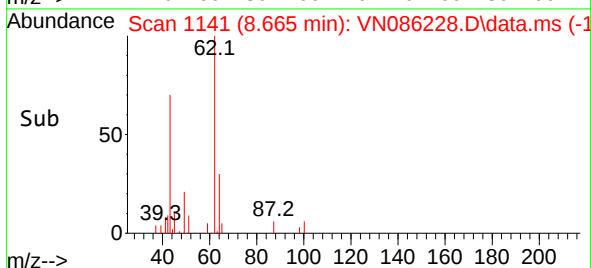
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

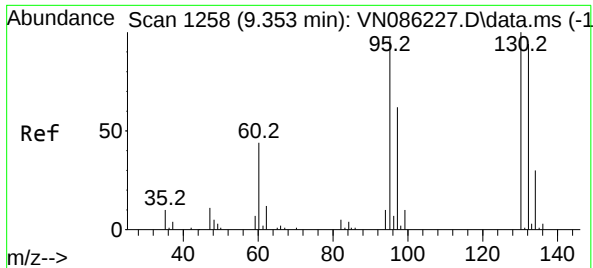


#36
1,2-Dichloroethane
Concen: 7.538 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50



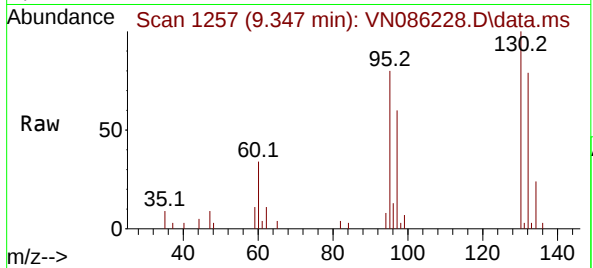
Tgt Ion: 62 Resp: 16429
Ion Ratio Lower Upper
62 100
98 9.3 7.8 11.8





#37
Trichloroethene
Concen: 8.074 ug/l
RT: 9.347 min Scan# 1258
Delta R.T. -0.006 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

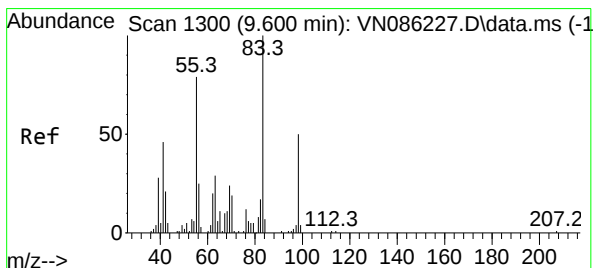
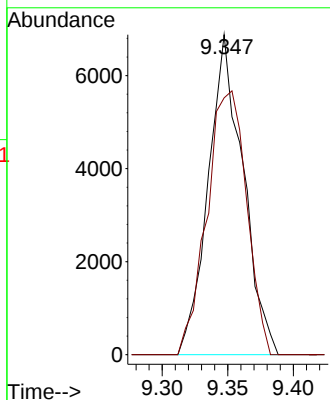
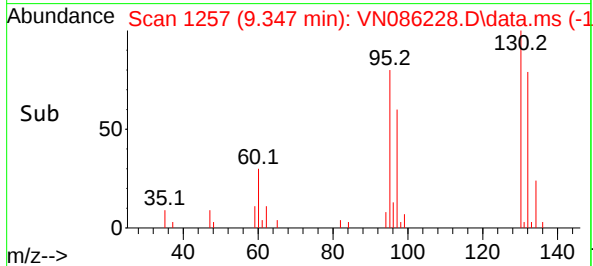
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



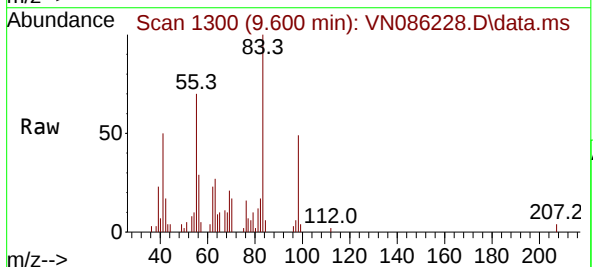
Tgt Ion:130 Resp: 12690
Ion Ratio Lower Upper
130 100
95 80.3 77.8 116.8

Manual Integrations
APPROVED

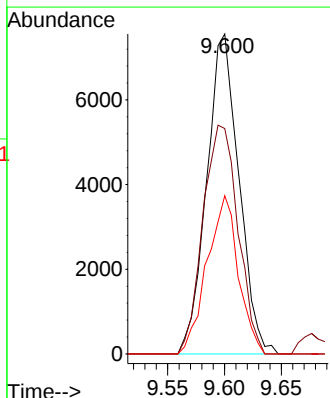
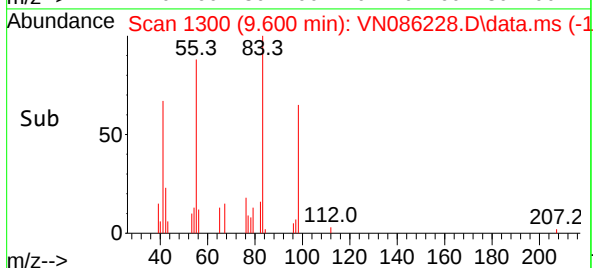
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

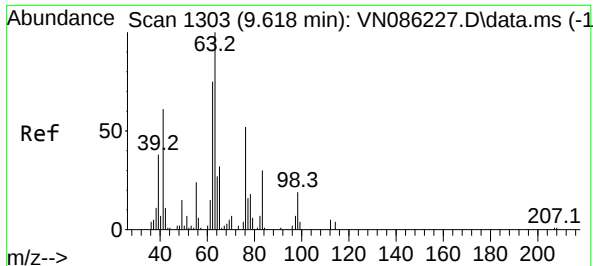


#38
Methylcyclohexane
Concen: 7.199 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50



Tgt Ion: 83 Resp: 14929
Ion Ratio Lower Upper
83 100
55 77.6 38.0 113.9
98 47.9 24.2 72.6





#39

1,2-Dichloropropane

Concen: 7.800 ug/l

RT: 9.618 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN086228.D

Acq: 04 Apr 2025 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 63 Resp: 1186

Ion Ratio Lower Upper

63 100

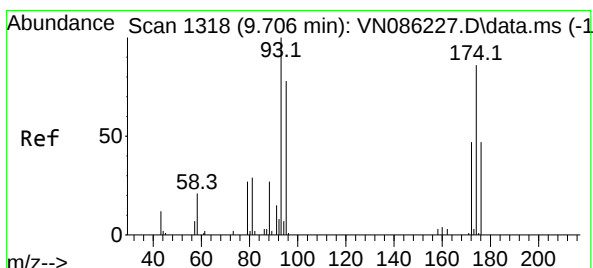
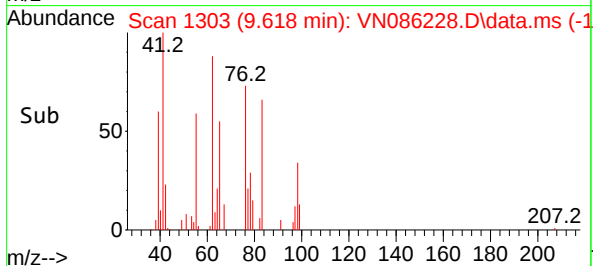
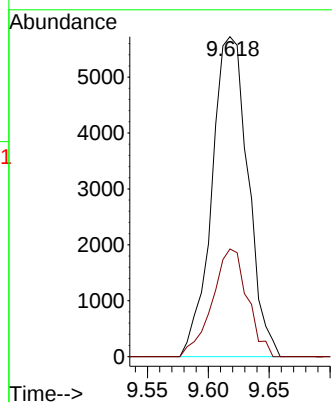
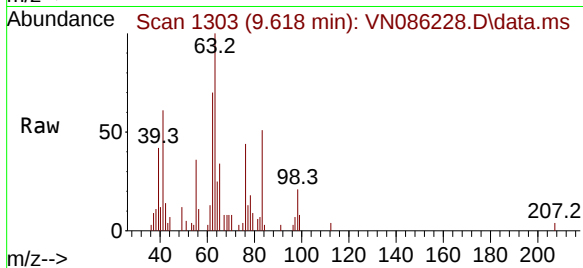
65 33.7 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/07/2025

Supervised By :Mahesh Dadoda 04/07/2025



#40

Dibromomethane

Concen: 7.249 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN086228.D

Acq: 04 Apr 2025 12:50

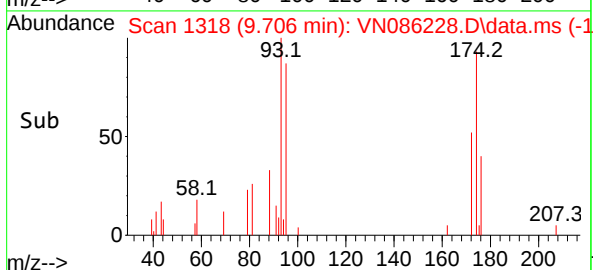
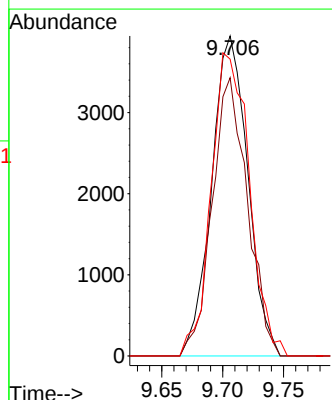
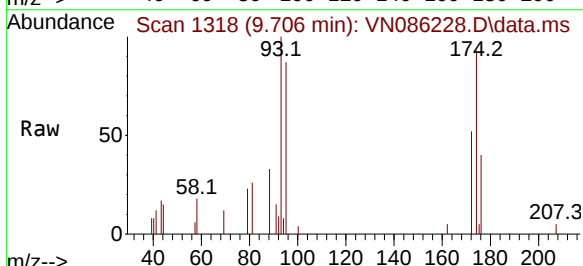
Tgt Ion: 93 Resp: 8134

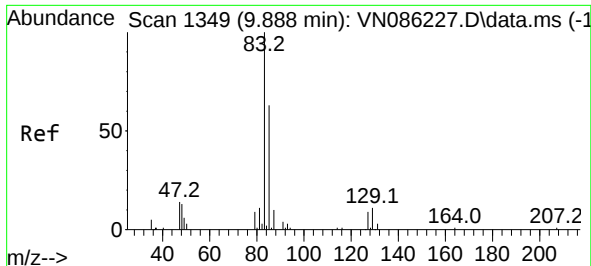
Ion Ratio Lower Upper

93 100

95 84.9 0.0 160.8

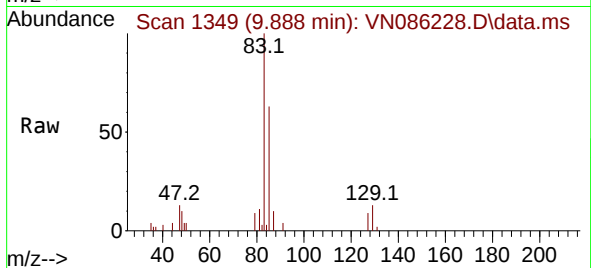
174 99.8 0.0 181.4





#41
Bromodichloromethane
Concen: 7.741 ug/l
RT: 9.888 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

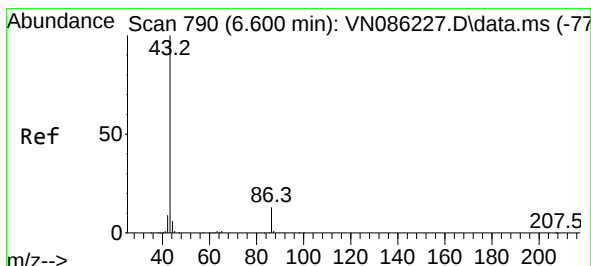
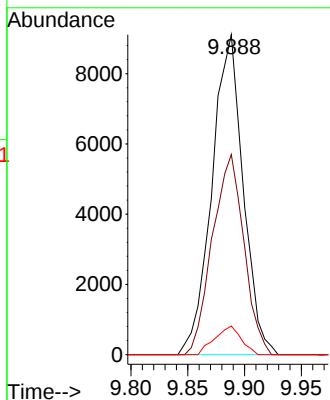
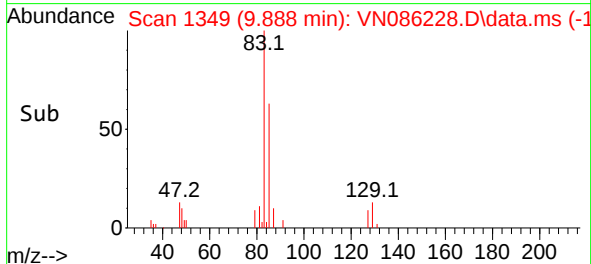
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 83 Resp: 17440
Ion Ratio Lower Upper
83 100
85 62.6 50.6 75.8
127 9.0 6.8 10.2

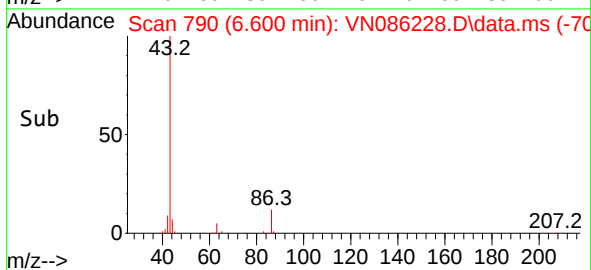
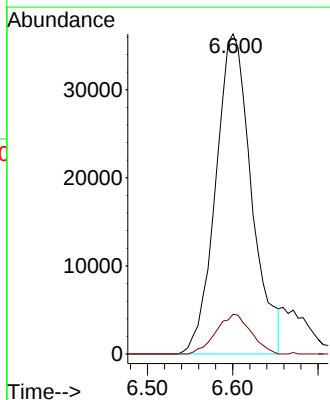
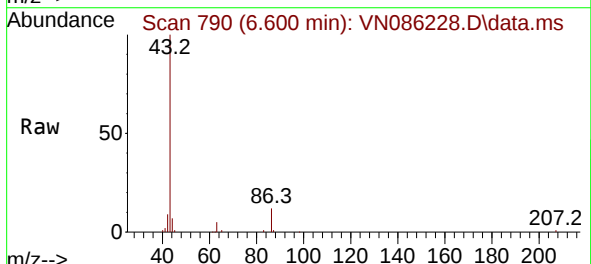
Manual Integrations
APPROVED

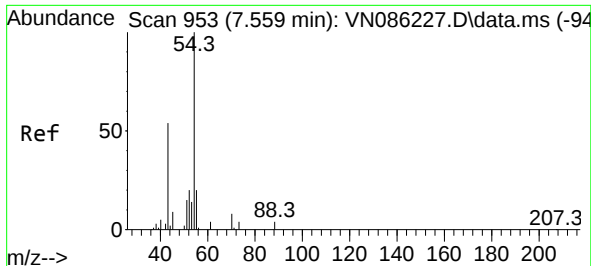
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#42
Vinyl Acetate
Concen: 34.321 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

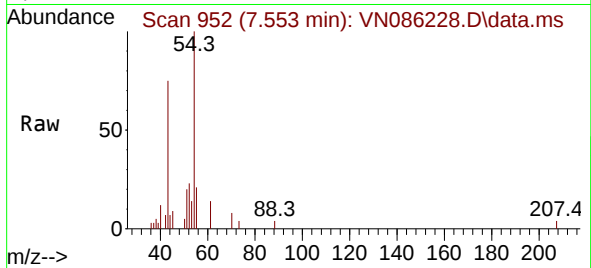
Tgt Ion: 43 Resp: 106269
Ion Ratio Lower Upper
43 100
86 12.0 9.9 14.9





#43
Ethyl Acetate
Concen: 7.314 ug/l m
RT: 7.553 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

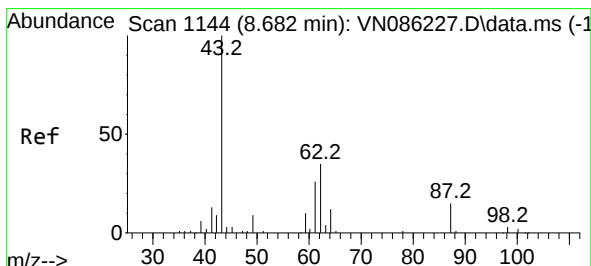
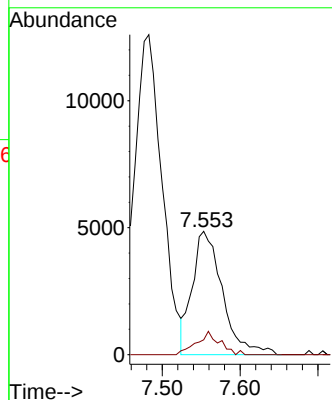
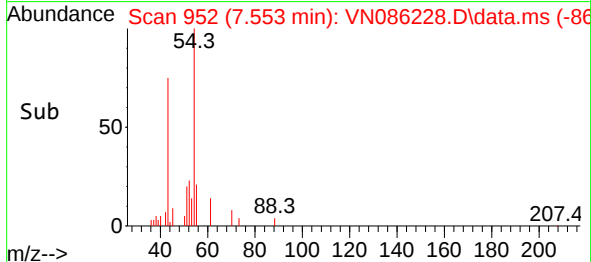
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 43 Resp: 13060
Ion Ratio Lower Upper
43 100
45 11.3 0.2 0.4

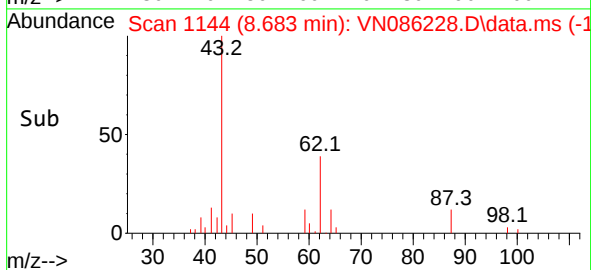
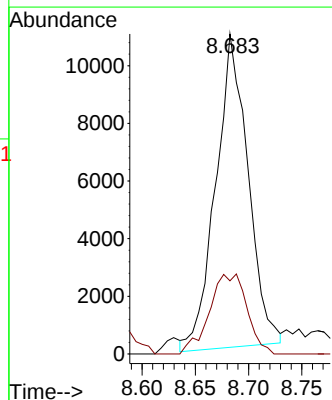
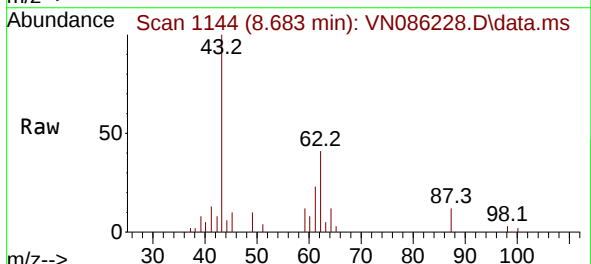
Manual Integrations
APPROVED

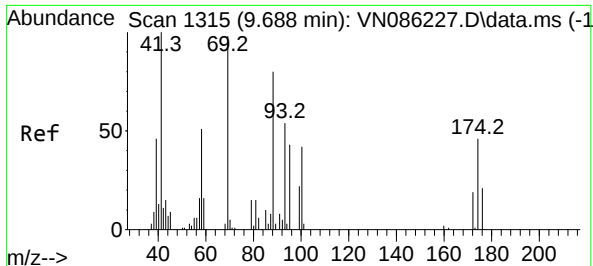
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#44
Isopropyl Acetate
Concen: 7.103 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Tgt Ion: 43 Resp: 22903
Ion Ratio Lower Upper
43 100
61 18.0 24.3 36.5





#45

1,4-Dioxane

Concen: 149.018 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN086228.D

Acq: 04 Apr 2025 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

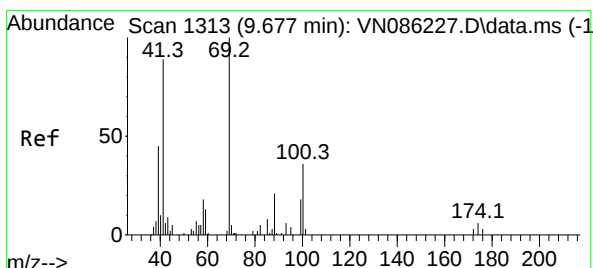
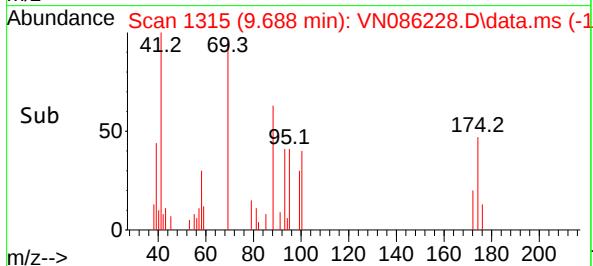
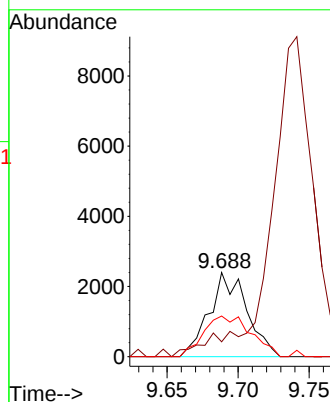
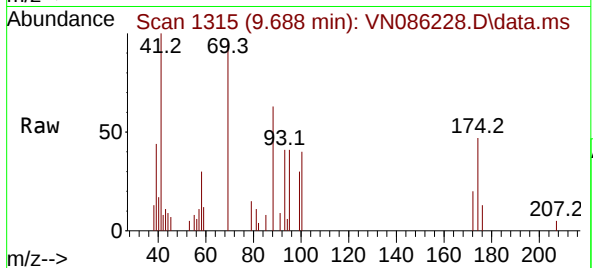
Tgt Ion: 88	Resp: 440
Ion Ratio	Lower Upper
88	100
43	27.6 19.8 29.8
58	36.5 60.6 91.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/07/2025

Supervised By :Mahesh Dadoda 04/07/2025



#46

Methyl methacrylate

Concen: 6.885 ug/l

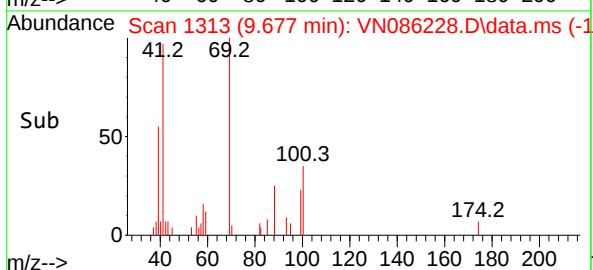
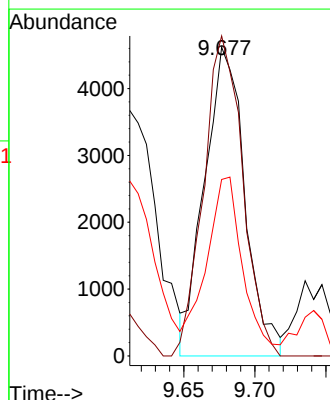
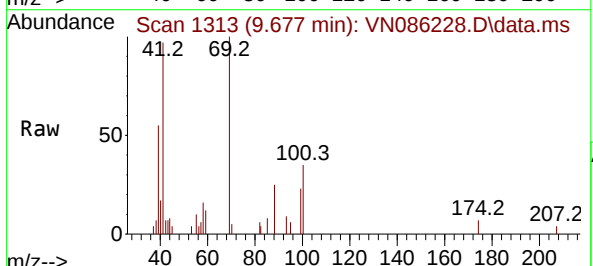
RT: 9.677 min Scan# 1313

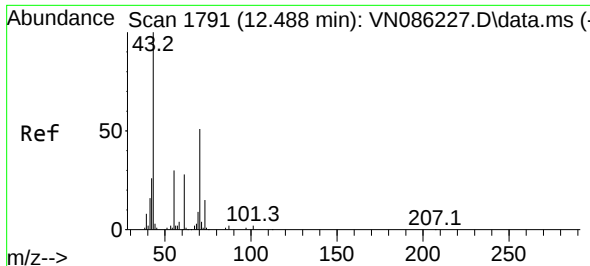
Delta R.T. 0.000 min

Lab File: VN086228.D

Acq: 04 Apr 2025 12:50

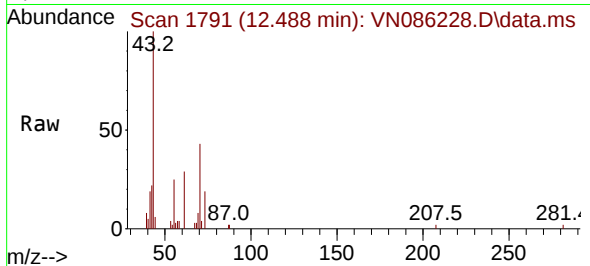
Tgt Ion: 41	Resp: 9093
Ion Ratio	Lower Upper
41	100
69	110.1 53.1 159.4
39	56.9 25.2 75.6





#47
n-amy1 Acetate
Concen: 6.776 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

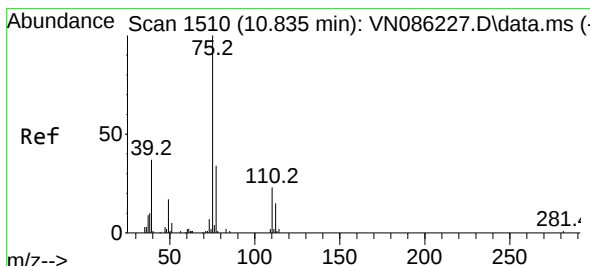
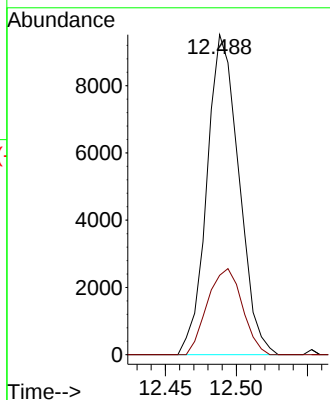
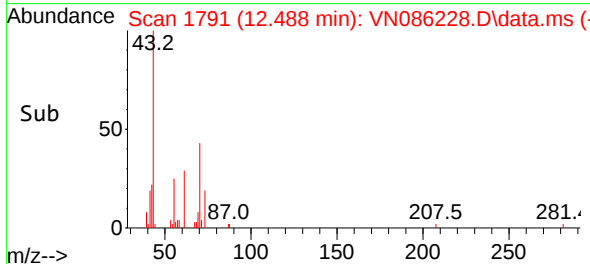
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 43 Resp: 14928
Ion Ratio Lower Upper
43 100
55 29.2 24.6 36.8

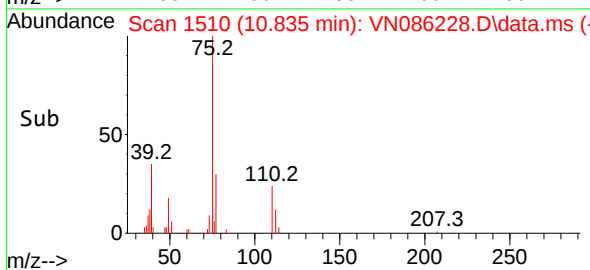
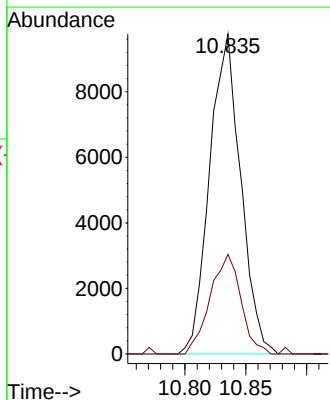
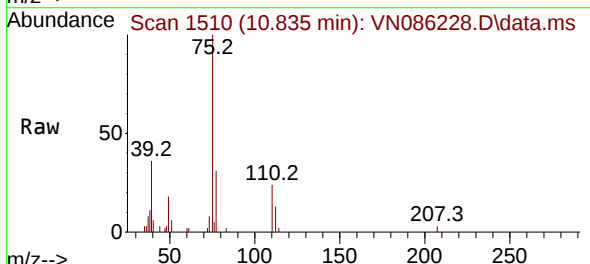
Manual Integrations
APPROVED

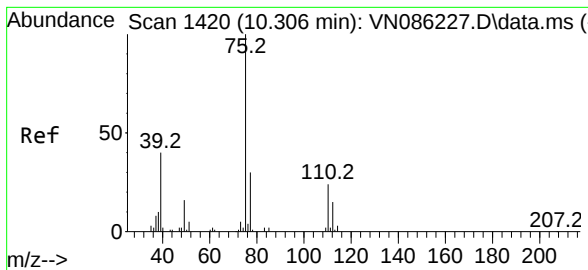
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#48
t-1,3-Dichloropropene
Concen: 7.481 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

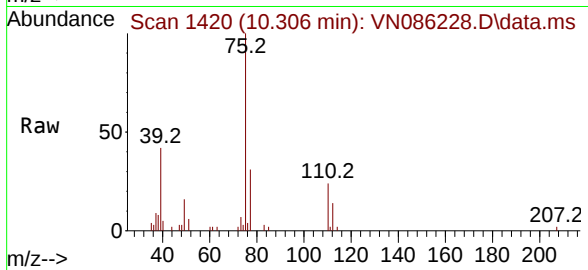
Tgt Ion: 75 Resp: 17374
Ion Ratio Lower Upper
75 100
77 31.1 27.2 40.8





#49
 cis-1,3-Dichloropropene
 Concen: 7.250 ug/l
 RT: 10.306 min Scan# 1420
 Delta R.T. 0.000 min
 Lab File: VN086228.D
 Acq: 04 Apr 2025 12:50

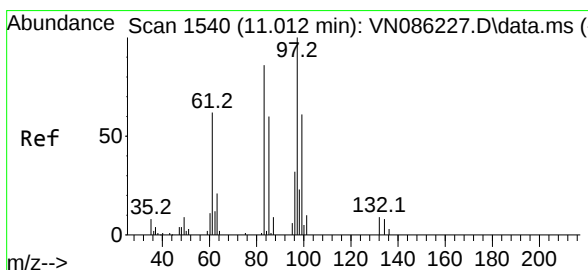
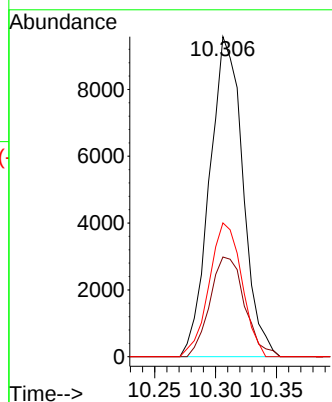
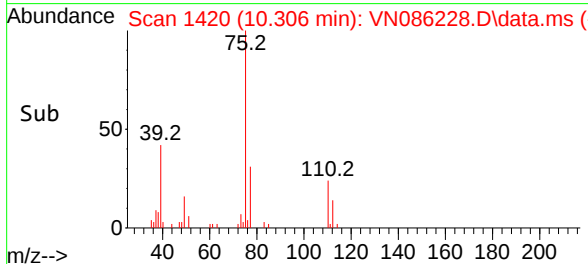
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005



Tgt Ion: 75 Resp: 1819
 Ion Ratio Lower Upper
 75 100
 77 31.2 23.8 35.6
 39 41.8 31.9 47.9

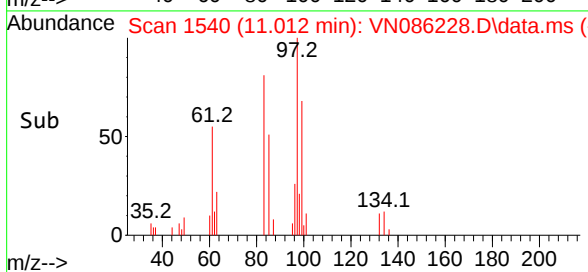
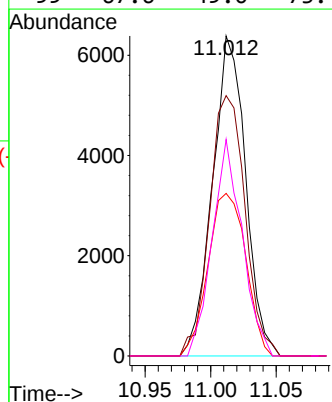
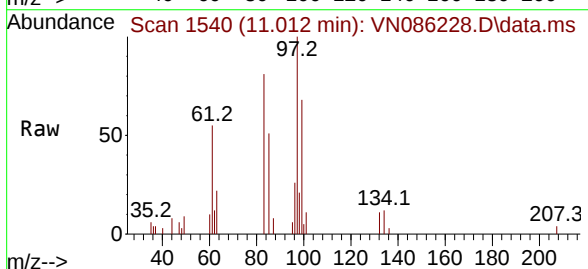
Manual Integrations
 APPROVED

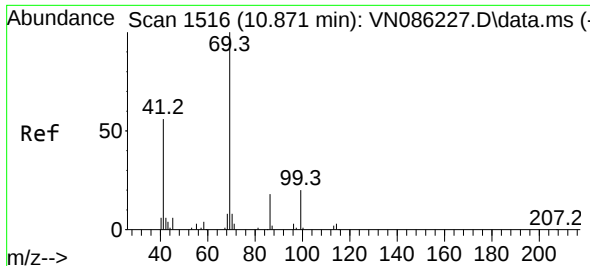
Reviewed By :John Carlone 04/07/2025
 Supervised By :Mahesh Dadoda 04/07/2025



#50
 1,1,2-Trichloroethane
 Concen: 7.633 ug/l
 RT: 11.012 min Scan# 1540
 Delta R.T. 0.000 min
 Lab File: VN086228.D
 Acq: 04 Apr 2025 12:50

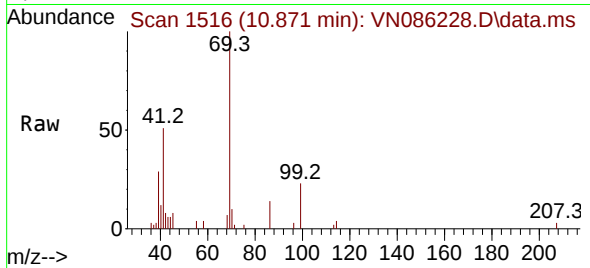
Tgt Ion: 97 Resp: 11198
 Ion Ratio Lower Upper
 97 100
 83 81.3 68.4 102.6
 85 50.8 47.7 71.5
 99 67.6 49.0 73.4





#51
Ethyl methacrylate
Concen: 7.172 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

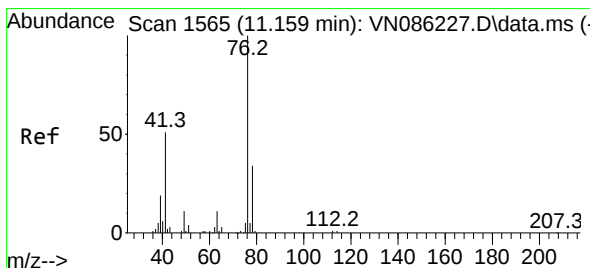
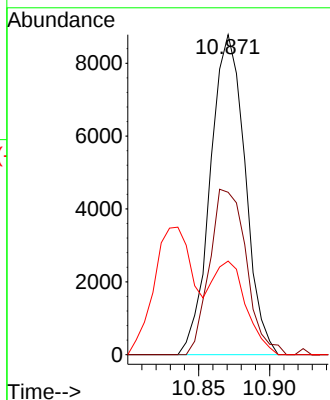
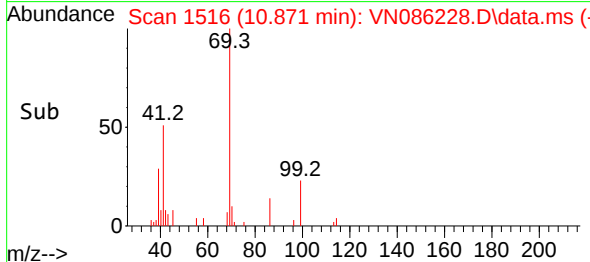
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 69 Resp: 14930
Ion Ratio Lower Upper
69 100
41 50.8 27.8 83.3
39 29.2 14.1 42.3

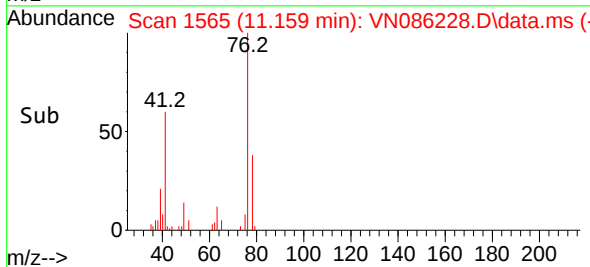
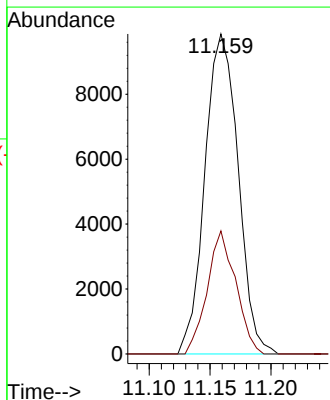
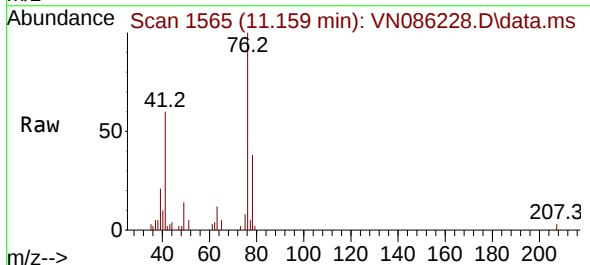
Manual Integrations
APPROVED

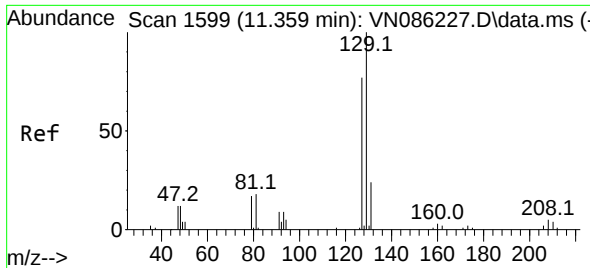
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#52
1,3-Dichloropropane
Concen: 7.330 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

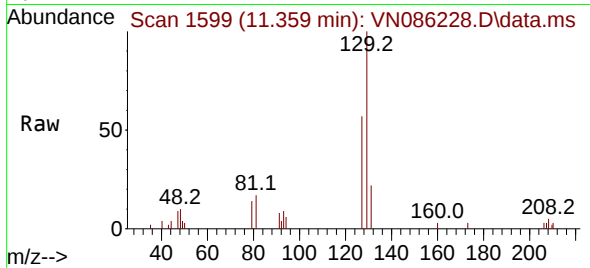
Tgt Ion: 76 Resp: 18734
Ion Ratio Lower Upper
76 100
78 33.0 0.0 65.4





#53
Dibromochloromethane
Concen: 7.744 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

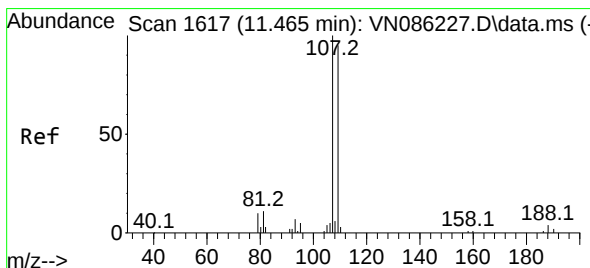
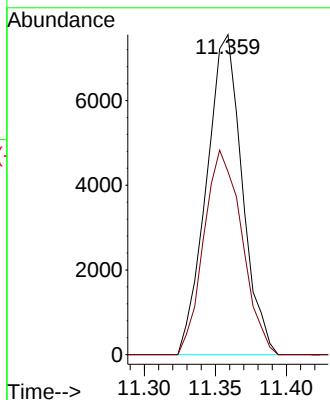
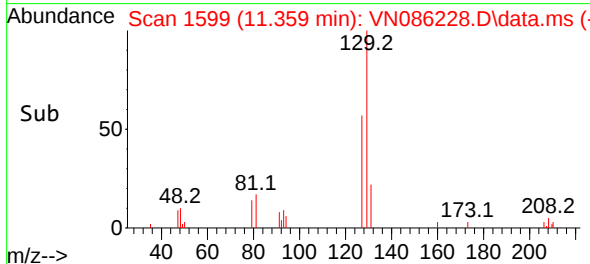
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



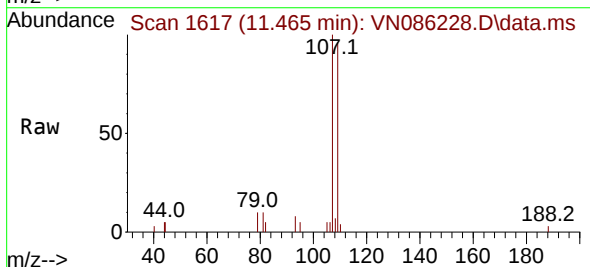
Tgt Ion:129 Resp: 1322
Ion Ratio Lower Upper
129 100
127 68.1 38.8 116.4

Manual Integrations
APPROVED

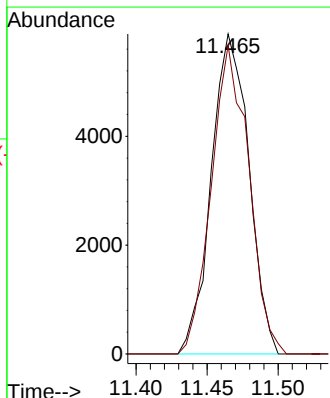
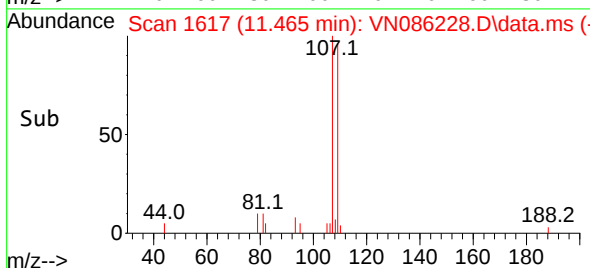
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

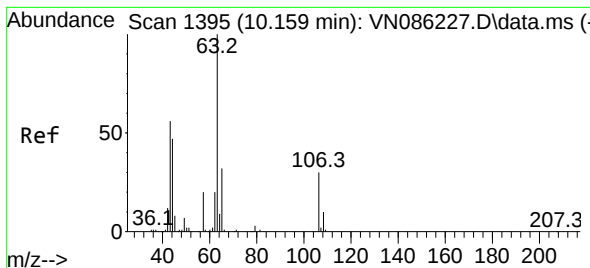


#54
1,2-Dibromoethane
Concen: 7.196 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50



Tgt Ion:107 Resp: 10832
Ion Ratio Lower Upper
107 100
109 95.8 75.6 113.4





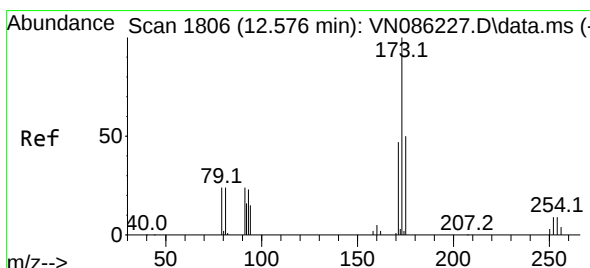
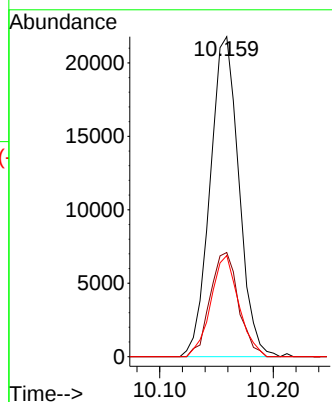
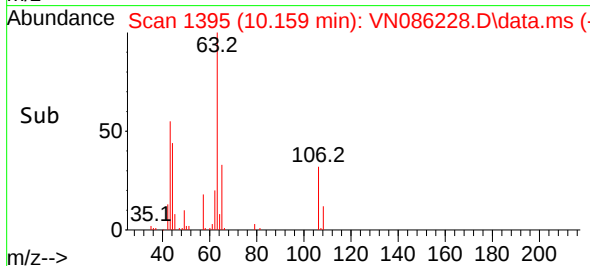
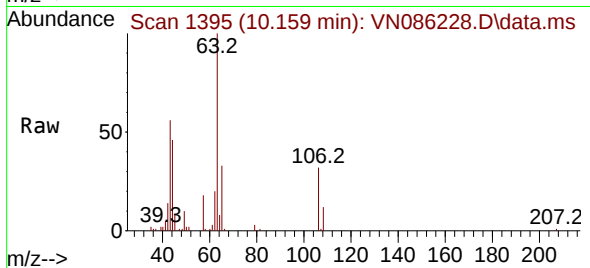
#55
2-Chloroethyl vinyl ether
Concen: 40.197 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 63 Resp: 3838
Ion Ratio Lower Upper
63 100
65 32.1 25.7 38.5
106 30.6 23.5 35.3

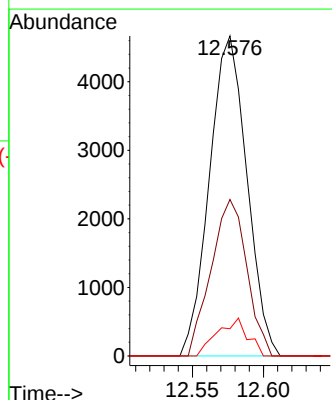
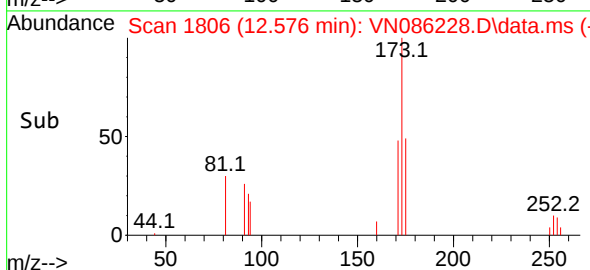
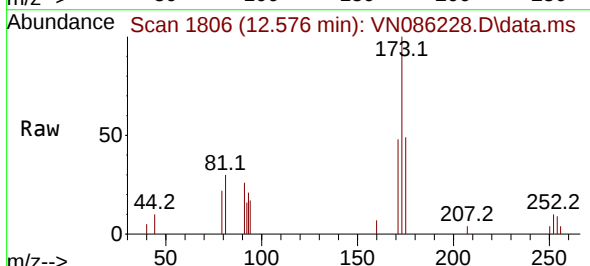
Manual Integrations
APPROVED

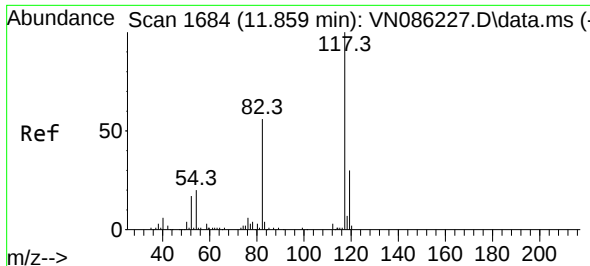
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#56
Bromoform
Concen: 7.398 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

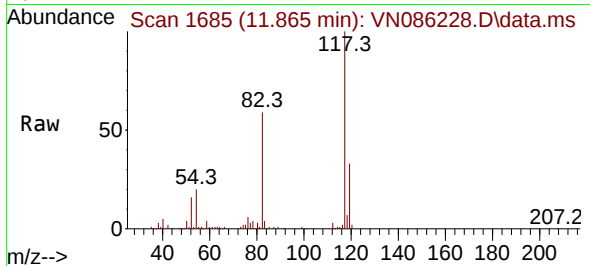
Tgt Ion:173 Resp: 8549
Ion Ratio Lower Upper
173 100
175 46.6 38.2 57.4
254 9.5 7.5 11.3





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 11865
Delta R.T. 0.006 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

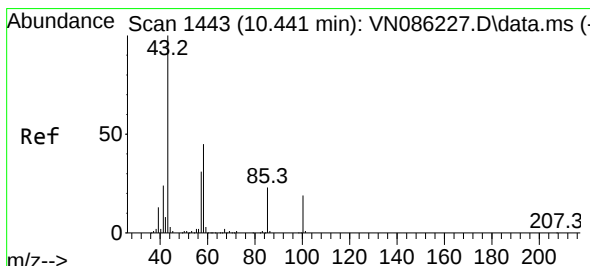
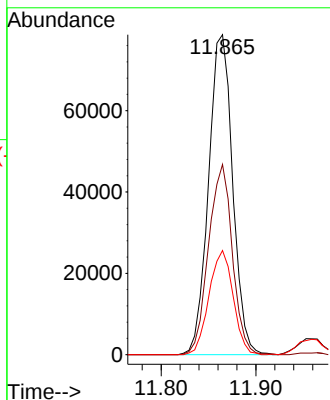
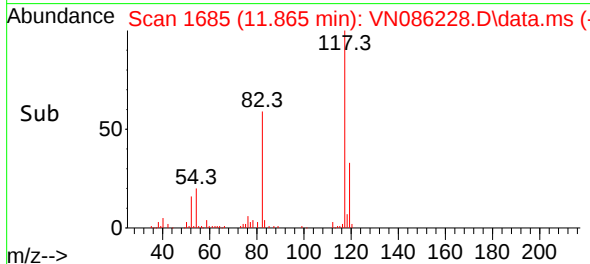
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 117 Resp: 139269
Ion Ratio Lower Upper
117 100
82 58.6 46.0 69.0
119 32.5 25.4 38.0

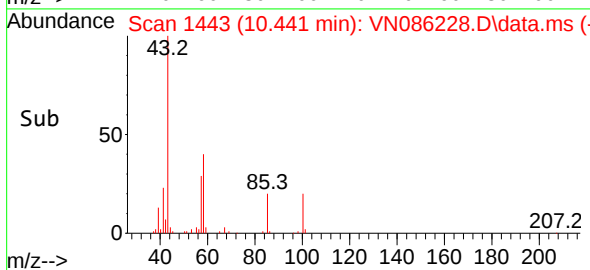
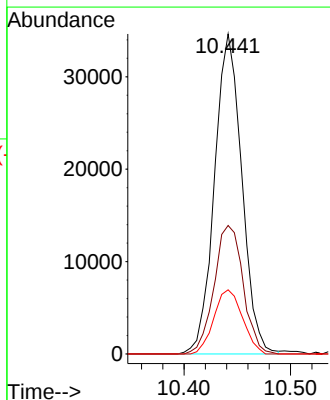
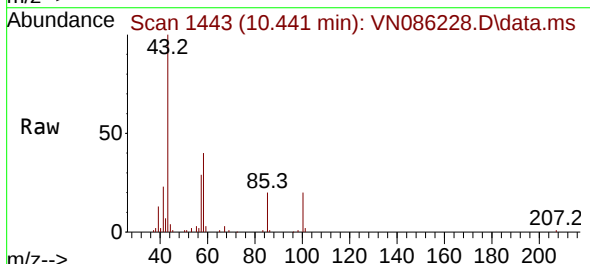
Manual Integrations
APPROVED

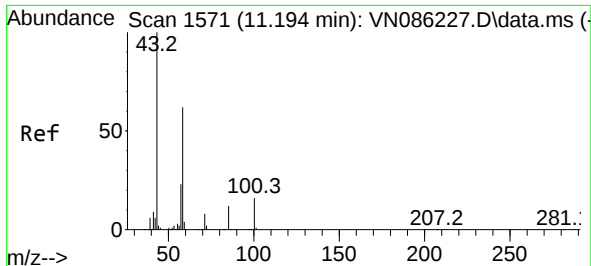
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#58
4-Methyl-2-Pentanone
Concen: 37.523 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

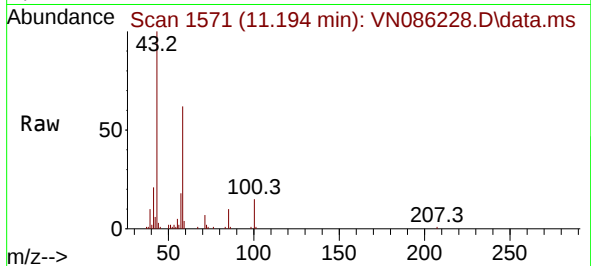
Tgt Ion: 43 Resp: 61674
Ion Ratio Lower Upper
43 100
58 42.7 35.4 53.2
85 21.0 17.6 26.4





#59
2-Hexanone
Concen: 37.705 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

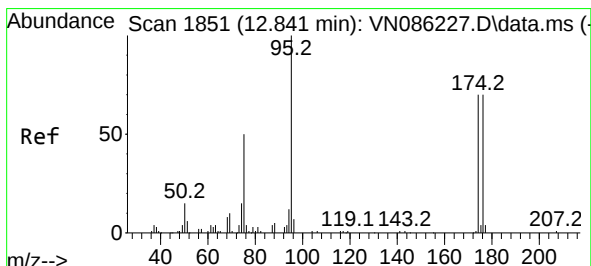
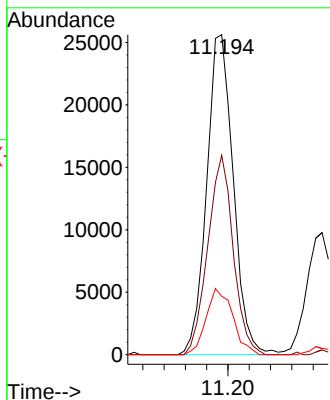
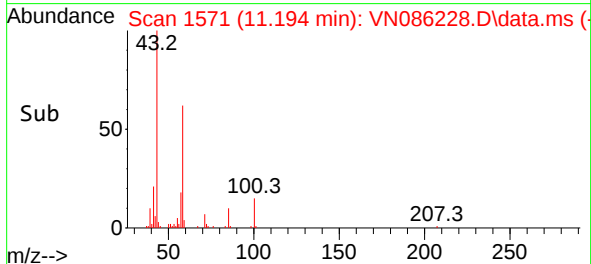
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



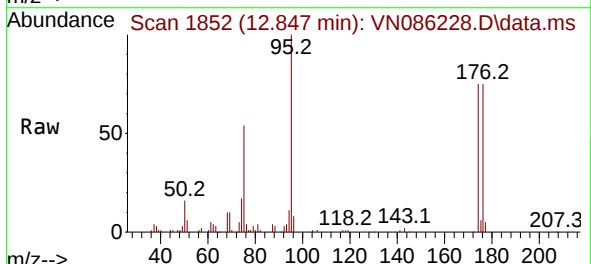
Tgt Ion: 43 Resp: 4448
Ion Ratio Lower Upper
43 100
58 59.5 48.5 72.7
57 20.7 17.7 26.5

Manual Integrations
APPROVED

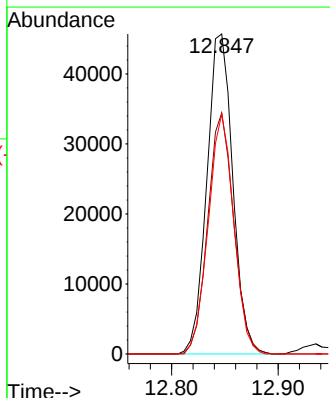
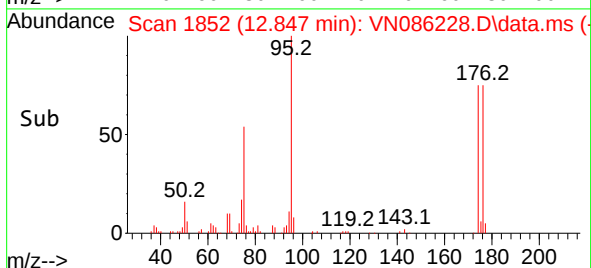
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

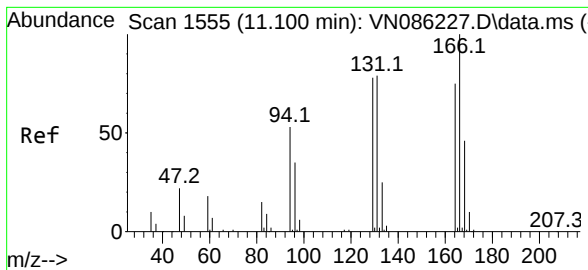


#60
4-Bromofluorobenzene
Concen: 29.794 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50



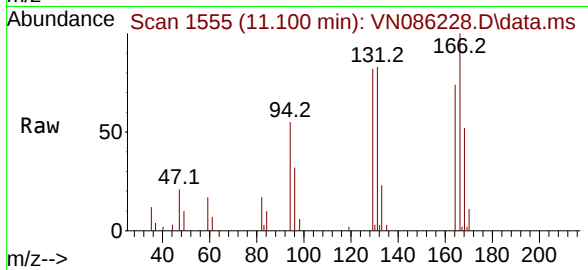
Tgt Ion: 95 Resp: 77311
Ion Ratio Lower Upper
95 100
174 75.6 59.7 89.5
176 73.6 56.8 85.2





#61
Tetrachloroethene
Concen: 7.484 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

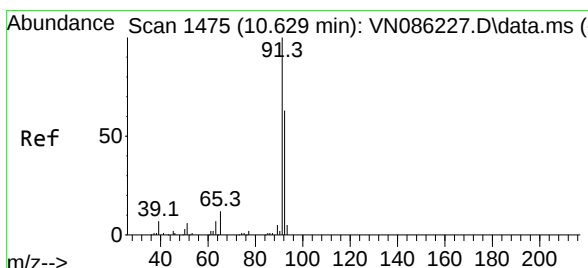
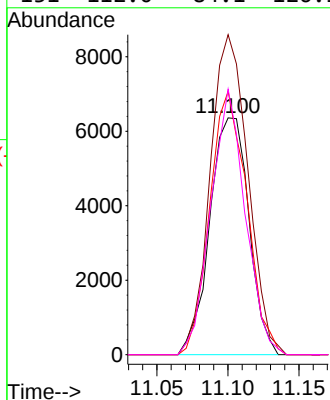
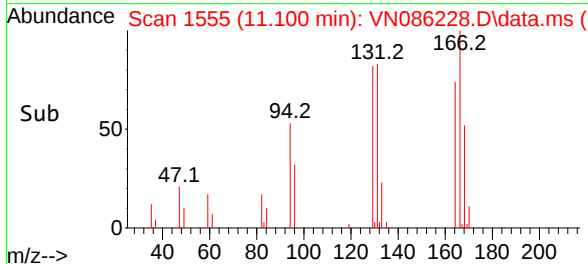
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion:164 Resp: 12164
Ion Ratio Lower Upper
164 100
166 135.1 106.3 159.5
129 111.2 83.3 124.9
131 112.0 84.1 126.1

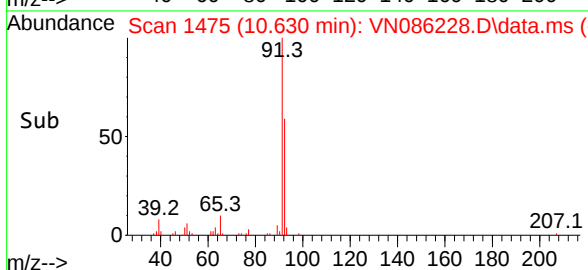
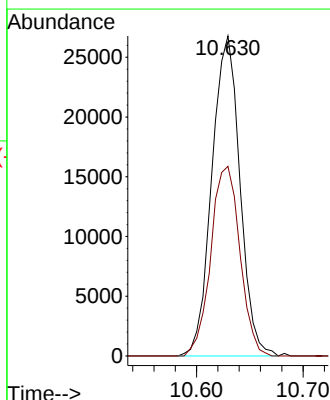
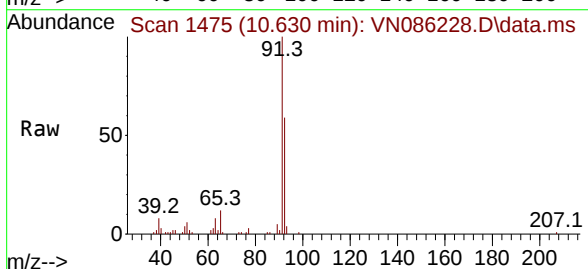
Manual Integrations
APPROVED

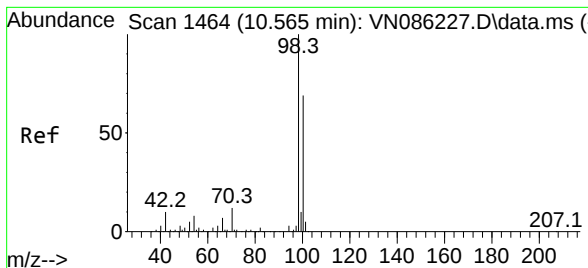
Reviewed By :John Carbone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#62
Toluene
Concen: 7.705 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

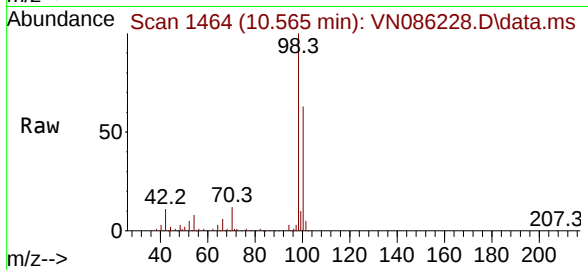
Tgt Ion: 91 Resp: 48987
Ion Ratio Lower Upper
91 100
92 61.4 48.2 72.4





#63
Toluene-d8
Concen: 30.463 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

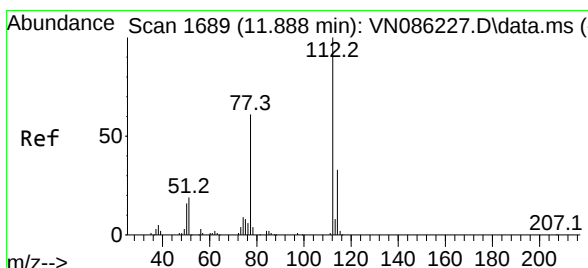
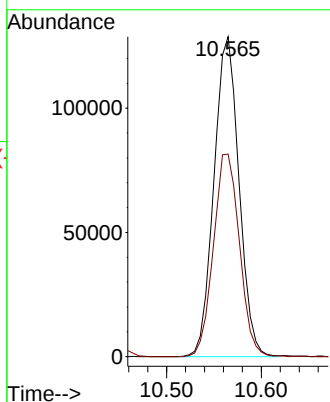
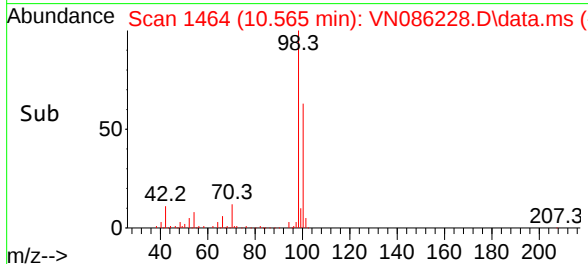
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 98 Resp: 236679
Ion Ratio Lower Upper
98 100
100 65.7 53.9 80.9

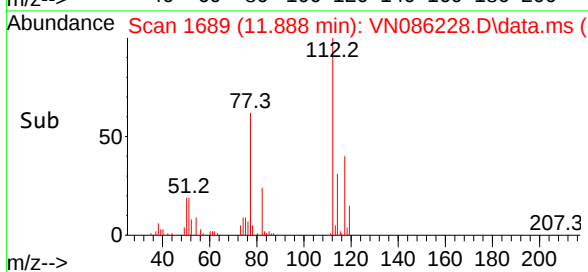
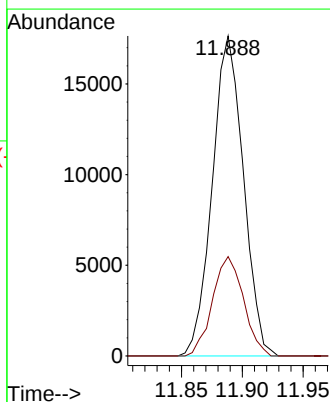
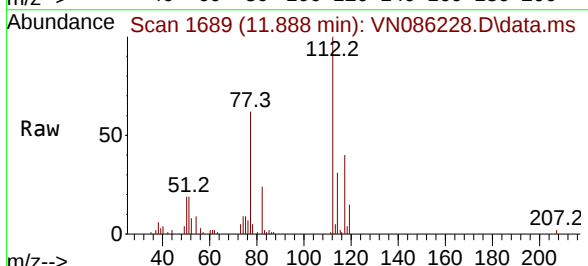
Manual Integrations
APPROVED

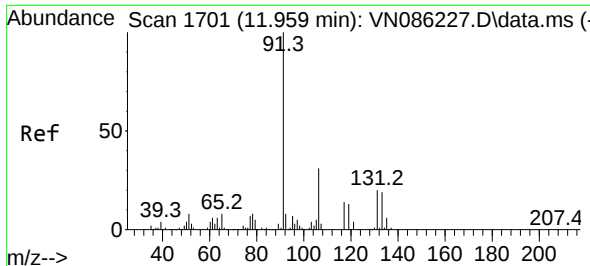
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#64
Chlorobenzene
Concen: 7.917 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

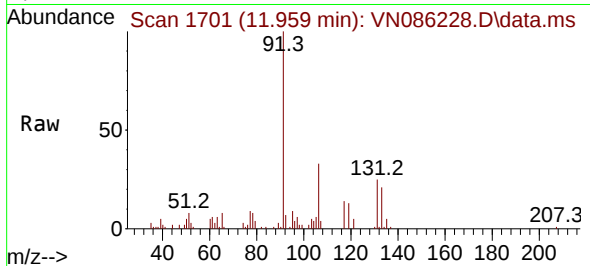
Tgt Ion:112 Resp: 31406
Ion Ratio Lower Upper
112 100
114 31.1 26.5 39.7





#65
1,1,1,2-Tetrachloroethane
Concen: 8.130 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

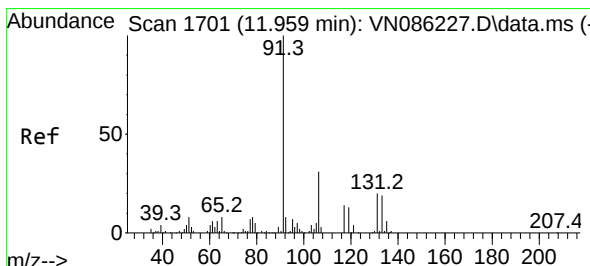
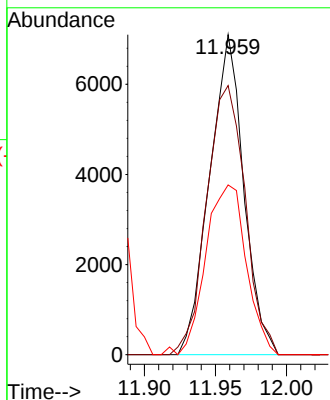
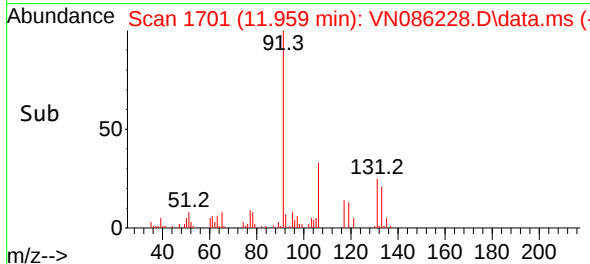
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



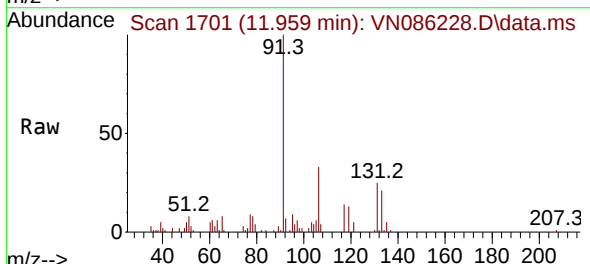
Tgt Ion:131 Resp: 1186
Ion Ratio Lower Upper
131 100
133 94.9 0.0 187.0
119 62.6 0.0 125.2

Manual Integrations
APPROVED

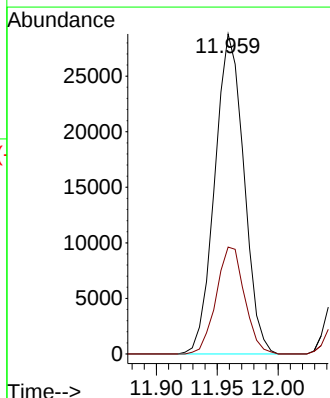
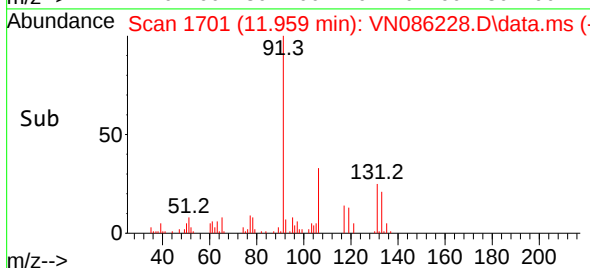
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

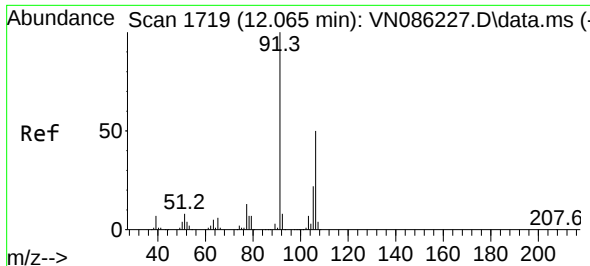


#66
Ethyl Benzene
Concen: 7.260 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50



Tgt Ion: 91 Resp: 47898
Ion Ratio Lower Upper
91 100
106 33.4 24.7 37.1





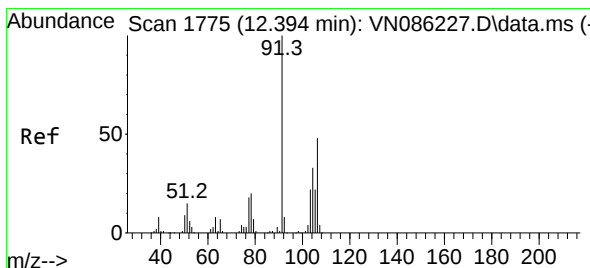
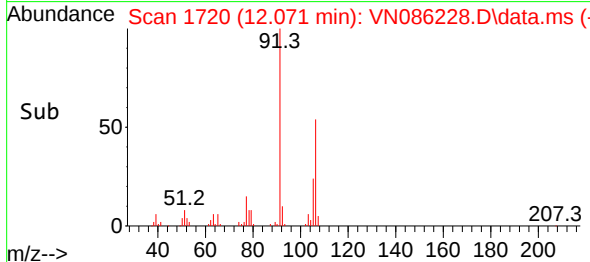
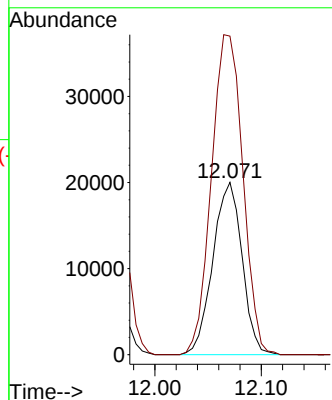
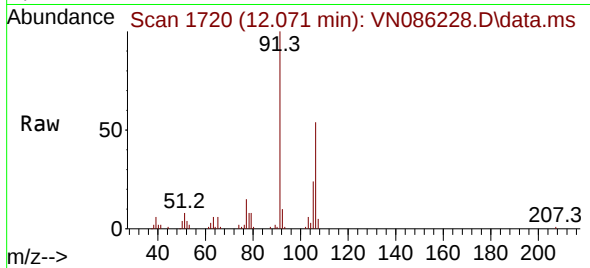
#67
m/p-Xylenes
Concen: 14.642 ug/l
RT: 12.071 min Scan# 1719
Delta R.T. 0.006 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 38134
Ion Ratio Lower Upper
106 100
91 199.6 161.4 242.0

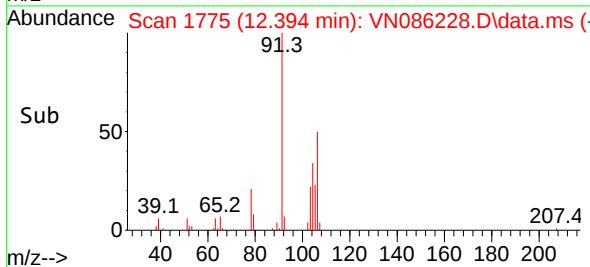
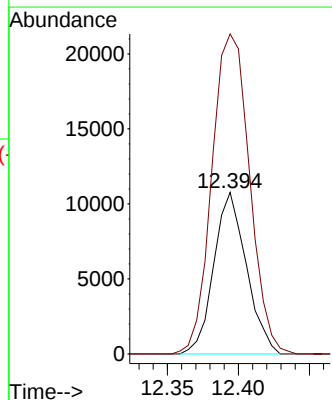
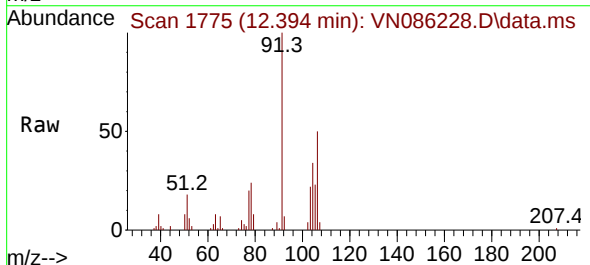
Manual Integrations
APPROVED

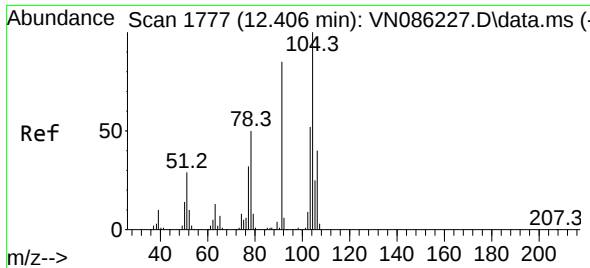
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#68
o-Xylene
Concen: 6.835 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Tgt Ion:106 Resp: 17182
Ion Ratio Lower Upper
106 100
91 229.1 106.1 318.1





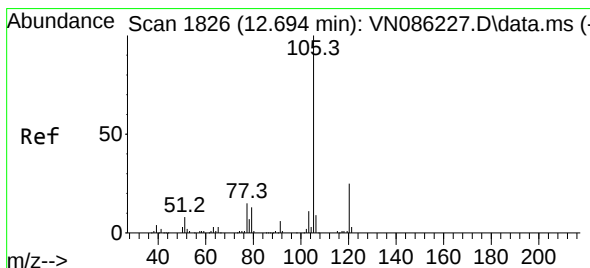
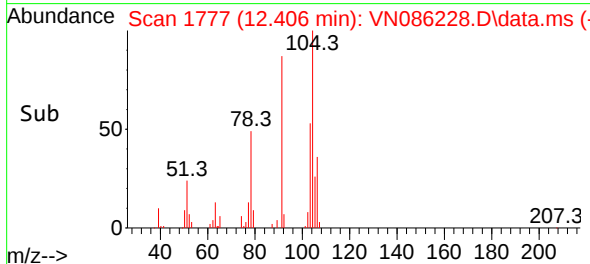
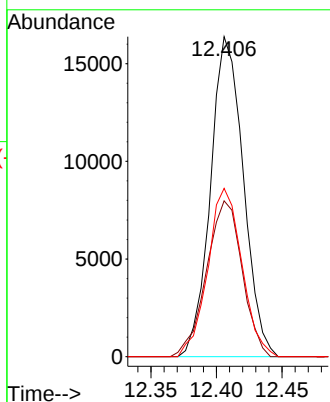
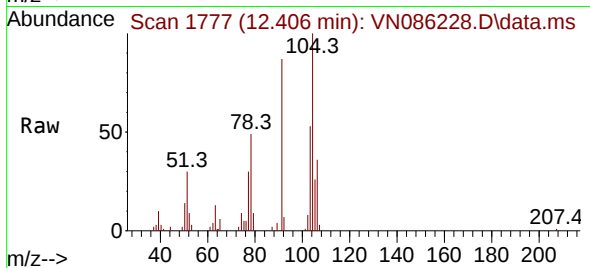
#69
Styrene
Concen: 7.123 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:104 Resp: 28554
Ion Ratio Lower Upper
104 100
78 52.7 40.9 61.3
103 54.4 42.6 63.8

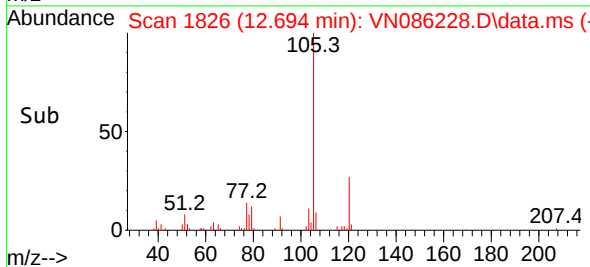
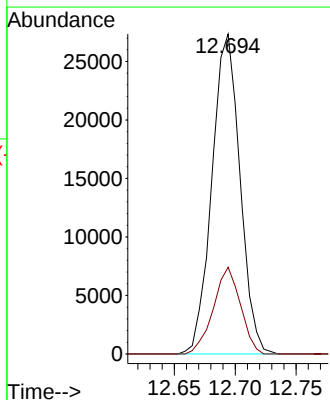
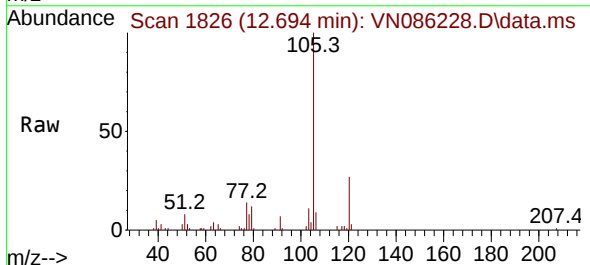
Manual Integrations
APPROVED

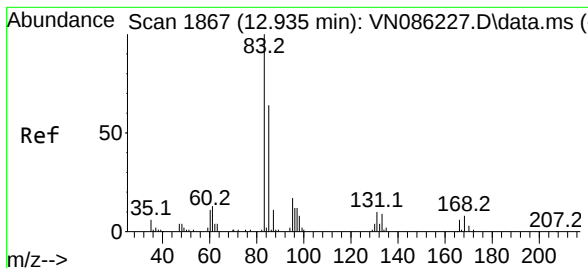
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#70
Isopropylbenzene
Concen: 6.987 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Tgt Ion:105 Resp: 43838
Ion Ratio Lower Upper
105 100
120 26.2 18.0 33.4





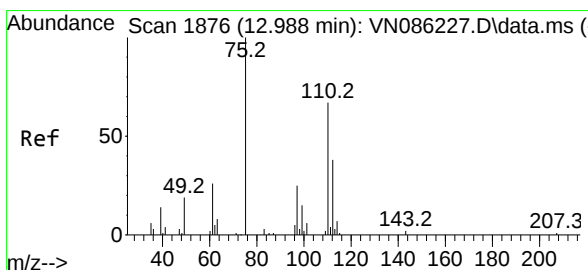
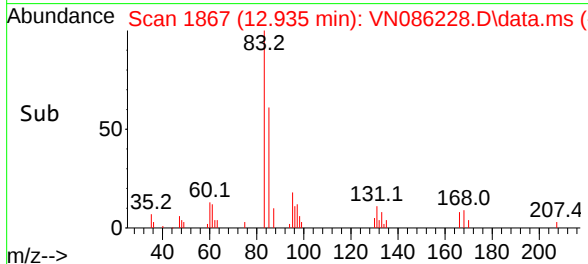
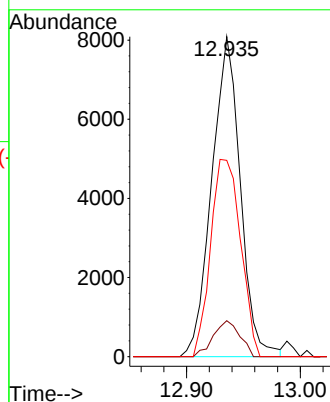
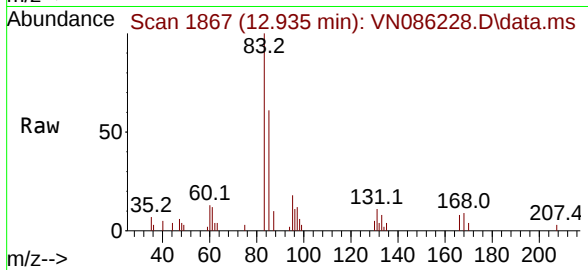
#71
1,1,2,2-Tetrachloroethane
Concen: 7.760 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 83 Resp: 1412
Ion Ratio Lower Upper
83 100
131 10.4 5.3 15.9
85 64.5 32.6 97.8

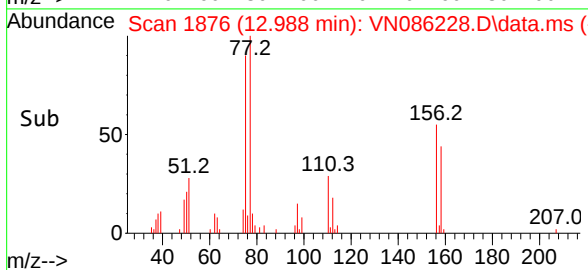
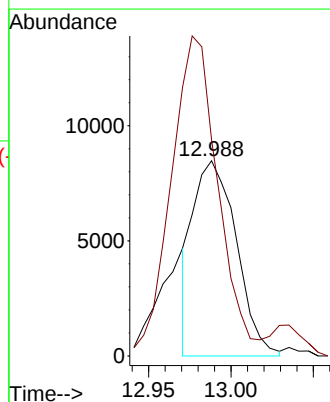
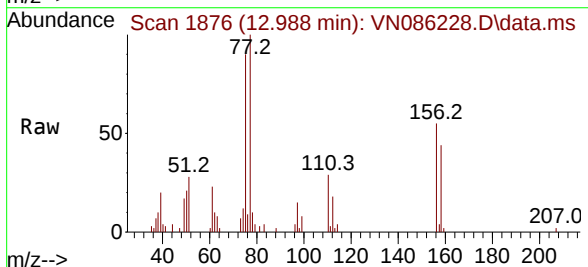
Manual Integrations
APPROVED

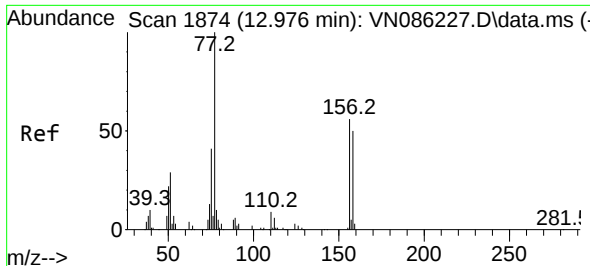
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#72
1,2,3-Trichloropropane
Concen: 8.776 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Tgt Ion: 75 Resp: 15420
Ion Ratio Lower Upper
75 100
77 178.5 0.0 412.2





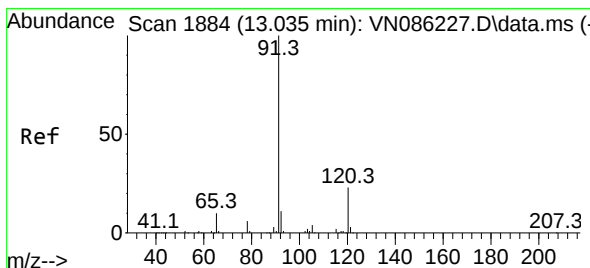
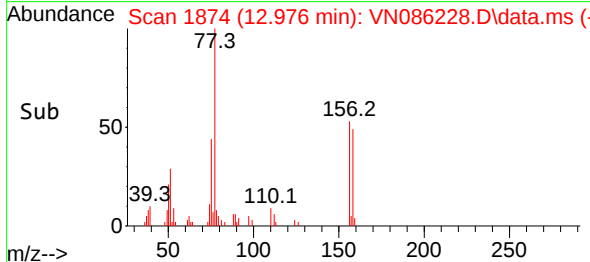
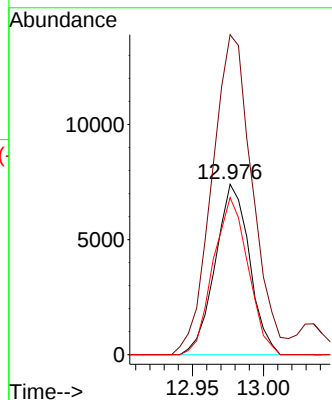
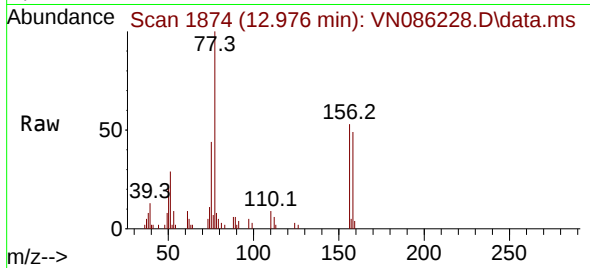
#73
Bromobenzene
Concen: 7.668 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:156 Resp: 12390
Ion Ratio Lower Upper
156 100
77 222.1 0.0 431.8
158 93.7 0.0 197.0

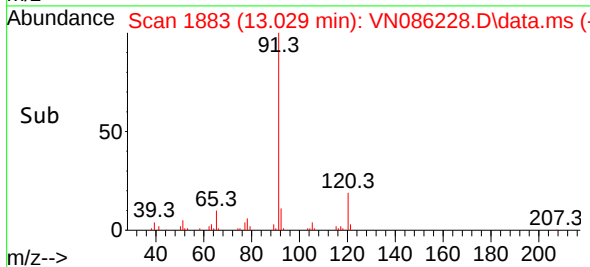
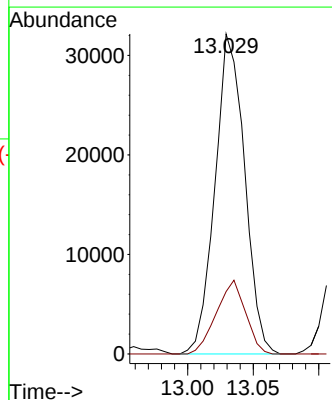
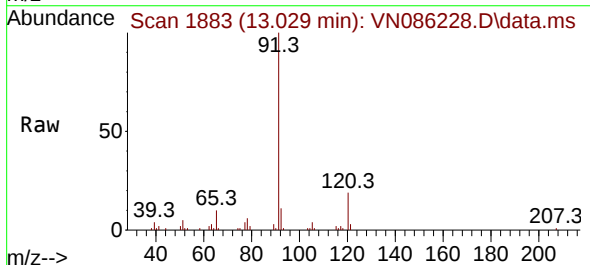
Manual Integrations
APPROVED

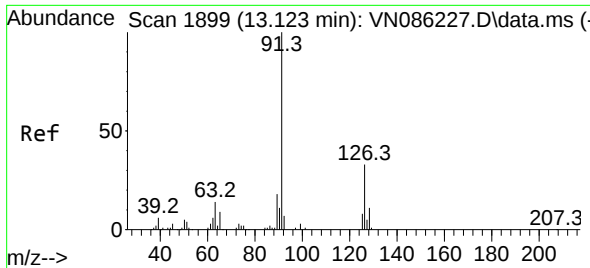
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#74
n-propylbenzene
Concen: 7.033 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Tgt Ion: 91 Resp: 50517
Ion Ratio Lower Upper
91 100
120 22.7 0.0 46.0





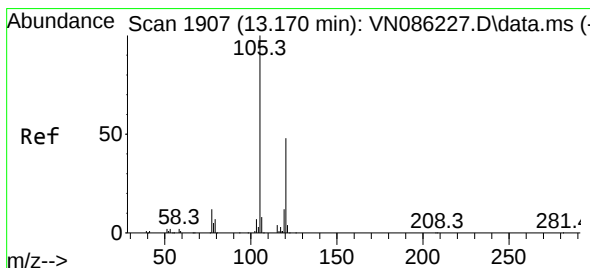
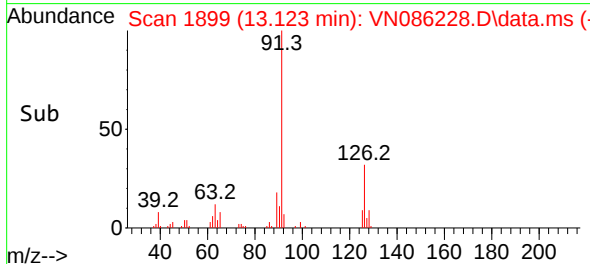
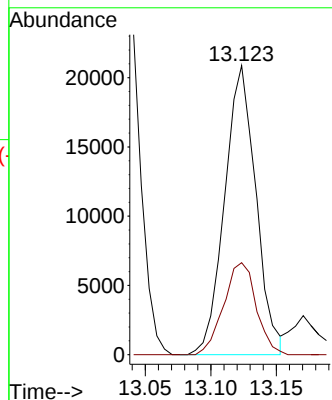
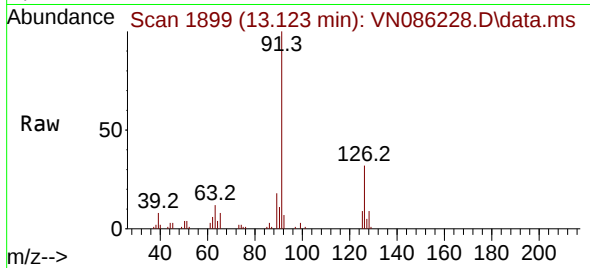
#75
2-Chlorotoluene
Concen: 7.251 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 34680
Ion Ratio Lower Upper
91 100
126 33.0 0.0 65.6

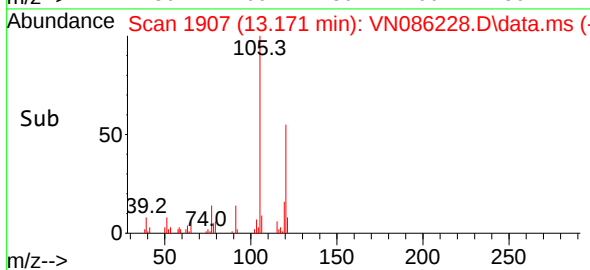
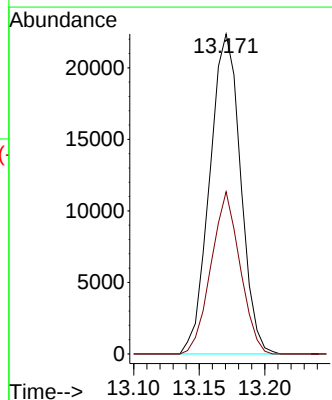
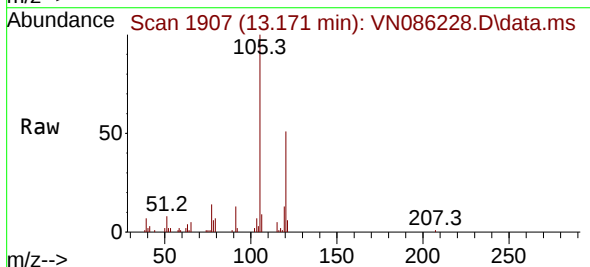
Manual Integrations
APPROVED

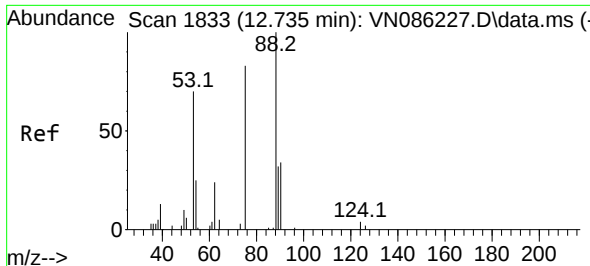
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#76
1,3,5-Trimethylbenzene
Concen: 6.921 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Tgt Ion:105 Resp: 36607
Ion Ratio Lower Upper
105 100
120 47.5 0.0 95.8





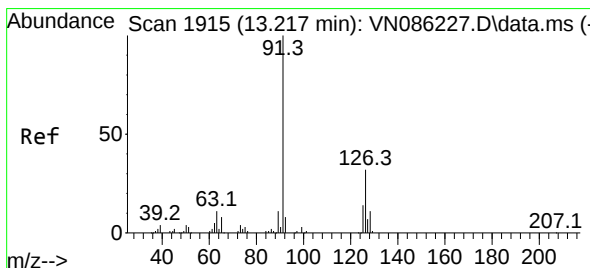
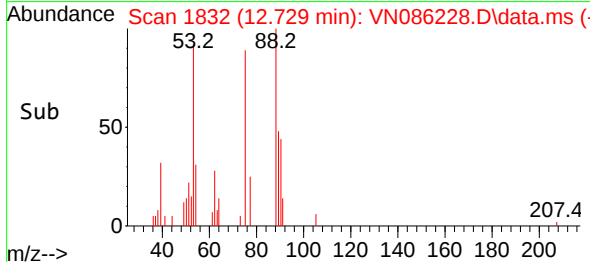
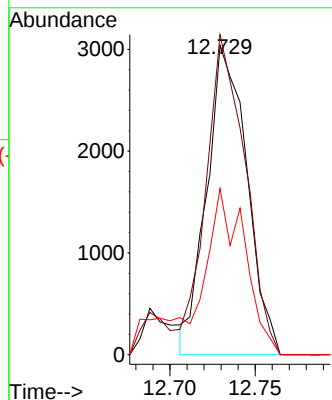
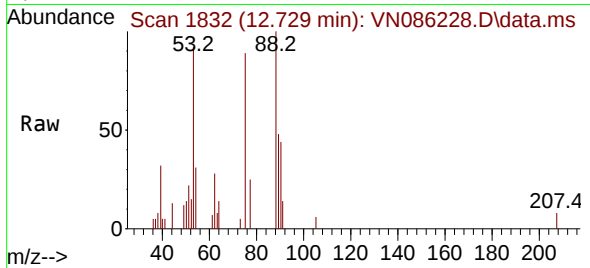
#77
t-1,4-Dichloro-2-butene
Concen: 7.092 ug/l
RT: 12.729 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 4970
Ion Ratio Lower Upper
75 100
53 103.4 42.0 126.0
89 53.7 21.6 65.0

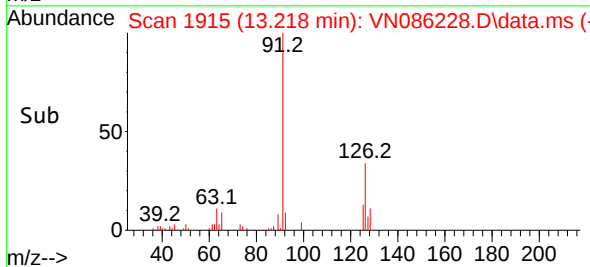
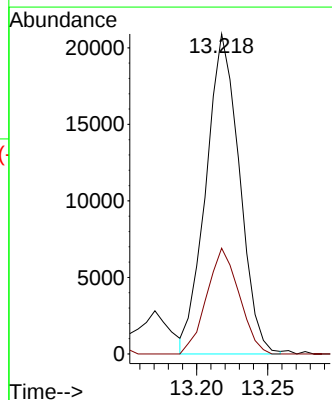
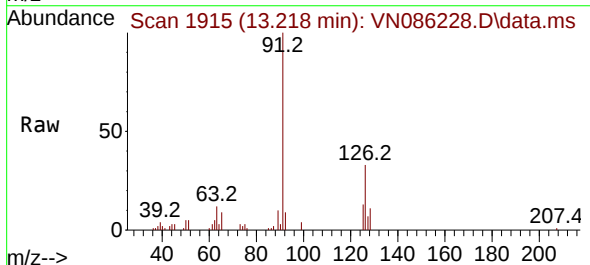
Manual Integrations
APPROVED

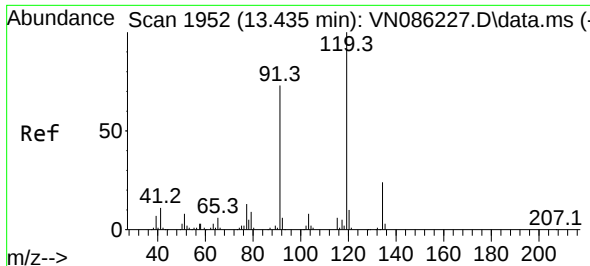
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#78
4-Chlorotoluene
Concen: 7.233 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Tgt Ion: 91 Resp: 34310
Ion Ratio Lower Upper
91 100
126 32.0 0.0 64.4





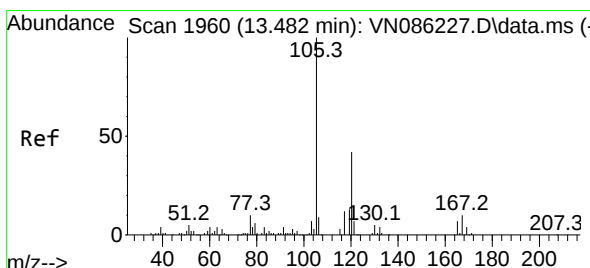
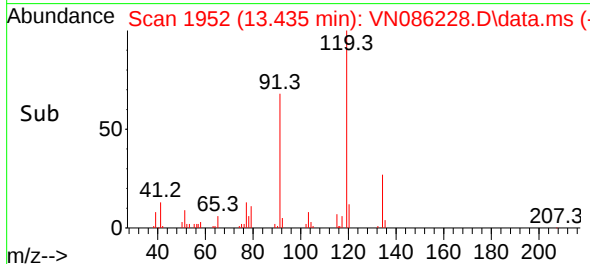
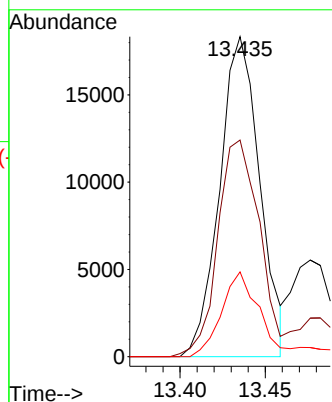
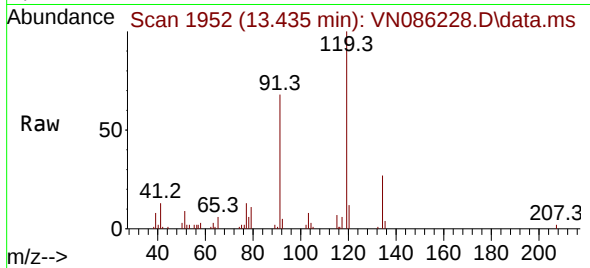
#79
tert-butylbenzene
Concen: 6.896 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
119	100		
91	69.9	0.0	138.6
134	24.5	0.0	49.2

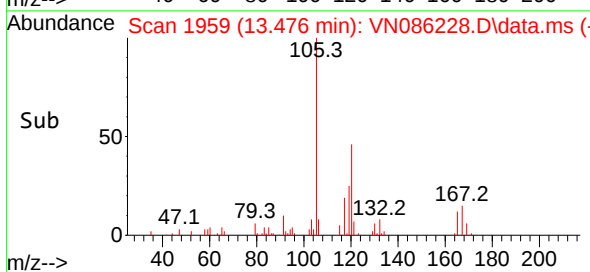
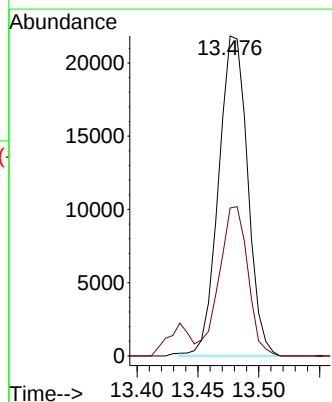
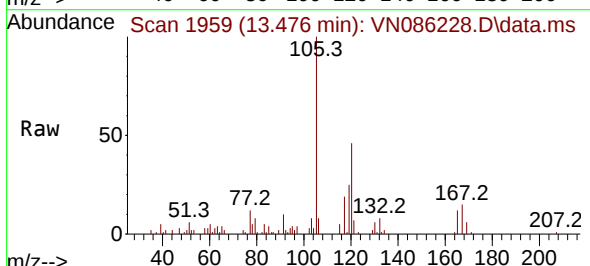
Manual Integrations
APPROVED

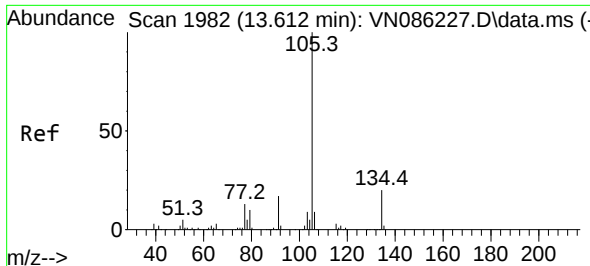
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#80
1,2,4-Trimethylbenzene
Concen: 6.840 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.006 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	0.0	86.6





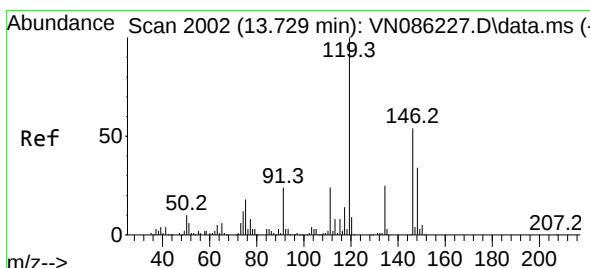
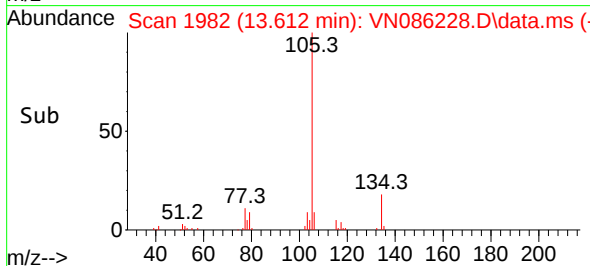
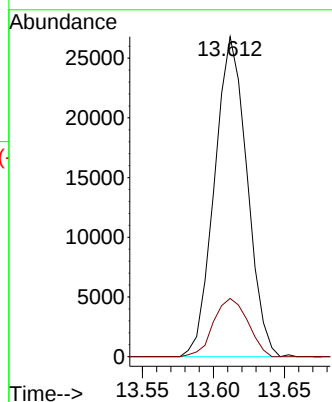
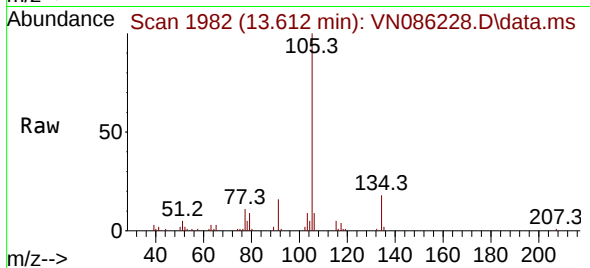
#81
 sec-Butylbenzene
 Concen: 7.149 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN086228.D
 Acq: 04 Apr 2025 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion:105 Resp: 4267
 Ion Ratio Lower Upper
 105 100
 134 19.2 0.0 39.0

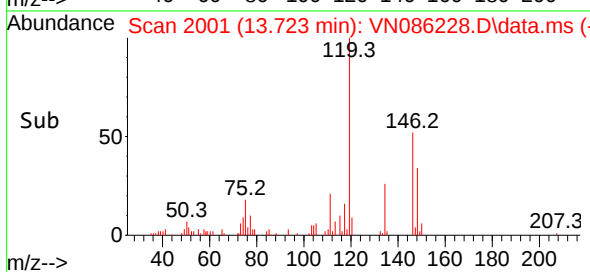
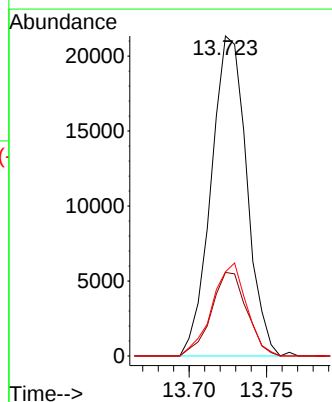
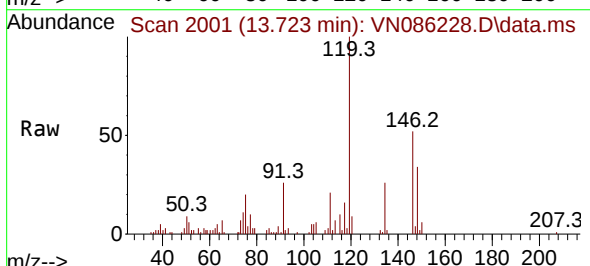
Manual Integrations
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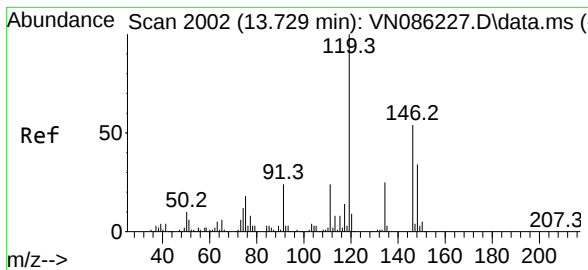
Reviewed By :John Carlone 04/07/2025
 Supervised By :Mahesh Dadoda 04/07/2025



#82
 p-Isopropyltoluene
 Concen: 6.961 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. -0.006 min
 Lab File: VN086228.D
 Acq: 04 Apr 2025 12:50

Tgt Ion:119 Resp: 34002
 Ion Ratio Lower Upper
 119 100
 134 26.1 0.0 52.2
 91 28.2 0.0 50.4





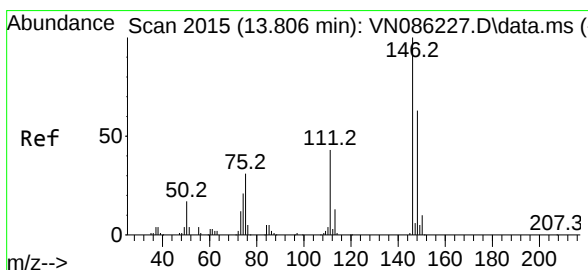
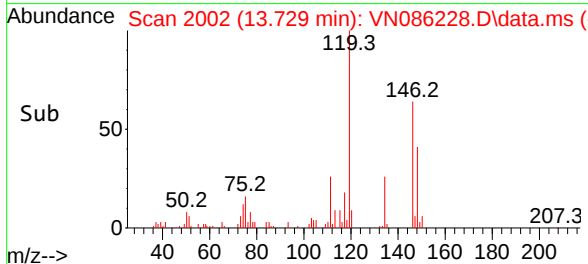
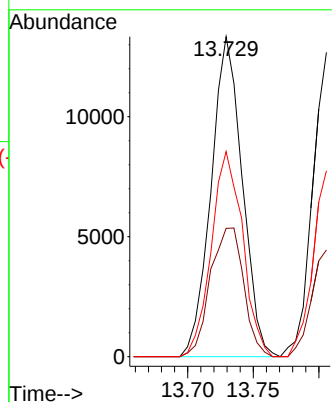
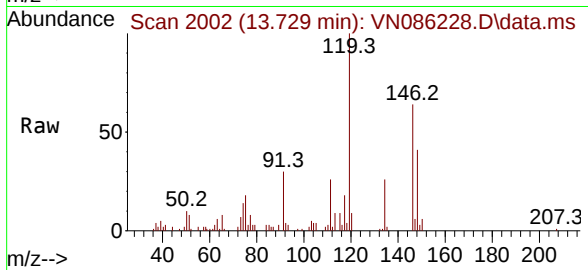
#83
1,3-Dichlorobenzene
Concen: 7.501 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 22025
Ion Ratio Lower Upper
146 100
111 43.1 21.1 63.4
148 64.4 32.3 96.8

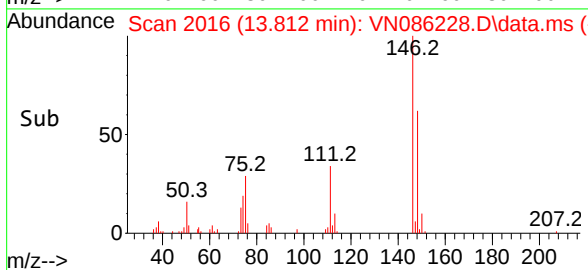
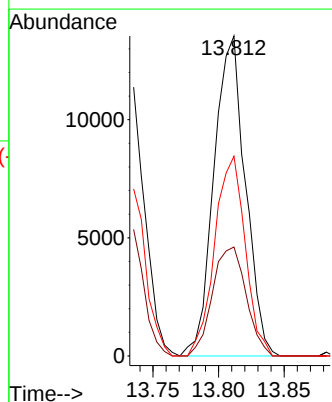
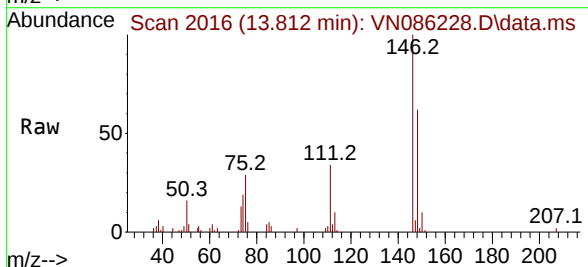
Manual Integrations
APPROVED

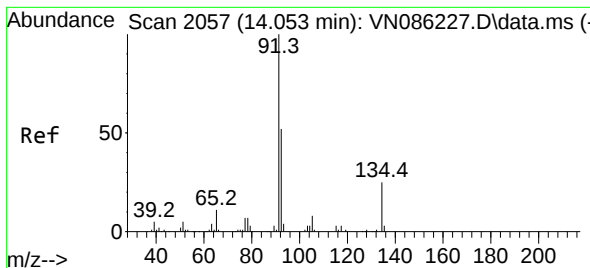
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#84
1,4-Dichlorobenzene
Concen: 7.871 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.006 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Tgt Ion:146 Resp: 22559
Ion Ratio Lower Upper
146 100
111 36.5 20.4 61.3
148 60.7 31.6 94.8





#85

n-Butylbenzene

Concen: 7.319 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN086228.D

Acq: 04 Apr 2025 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

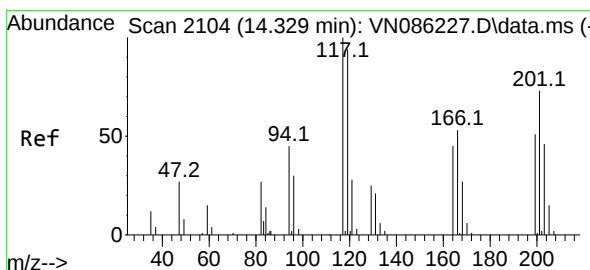
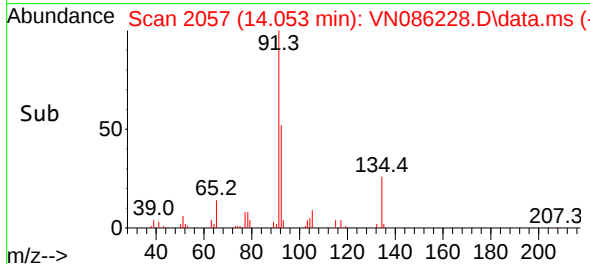
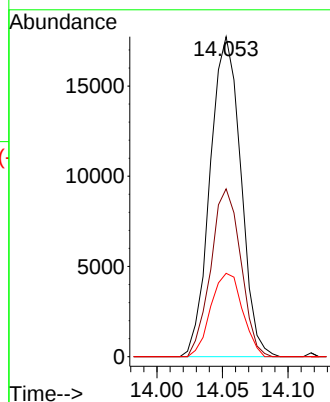
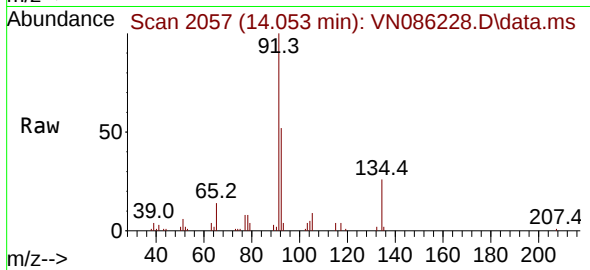
Tgt Ion:	91	Resp:	2886
Ion Ratio	Lower	Upper	
91	100		
92	51.2	0.0	106.2
134	26.8	0.0	49.8

Manual Integrations

APPROVED

Reviewed By :John Carbone 04/07/2025

Supervised By :Mahesh Dadoda 04/07/2025



#86

Hexachloroethane

Concen: 7.457 ug/l

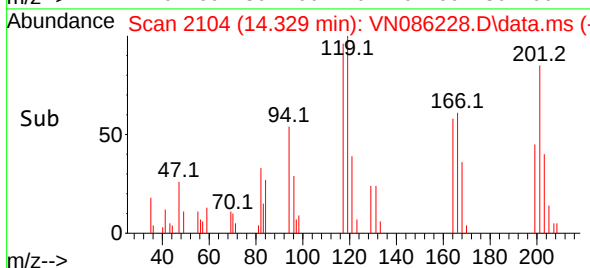
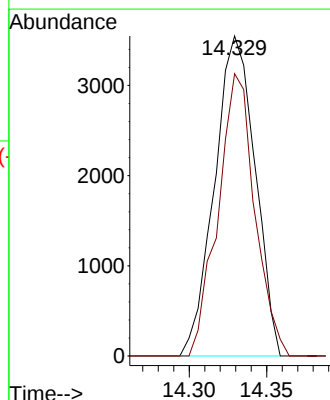
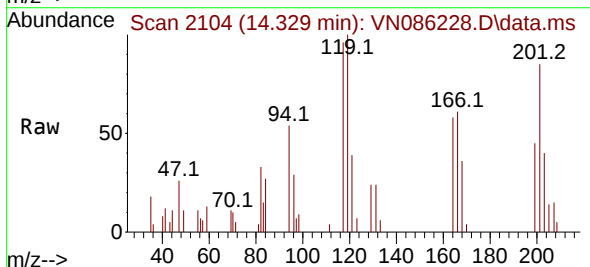
RT: 14.329 min Scan# 2104

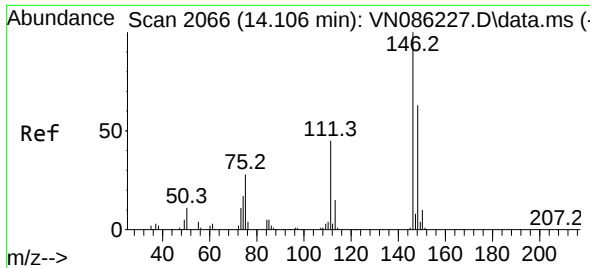
Delta R.T. 0.000 min

Lab File: VN086228.D

Acq: 04 Apr 2025 12:50

Tgt Ion:	117	Resp:	6454
Ion Ratio	Lower	Upper	
117	100		
201	79.8	36.4	109.2





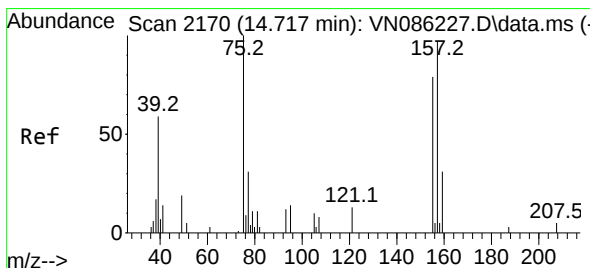
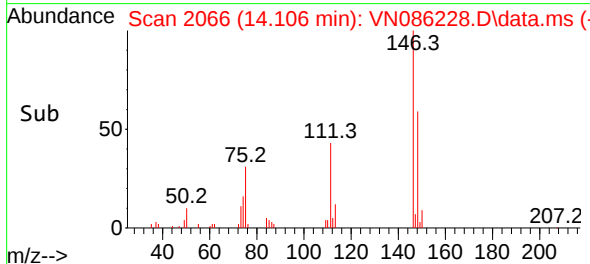
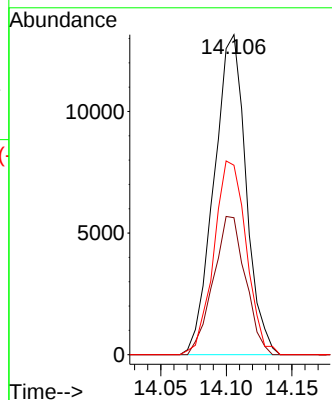
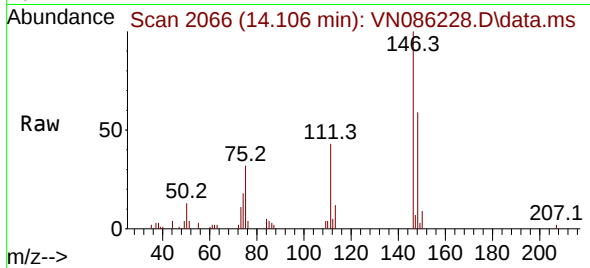
#87
1,2-Dichlorobenzene
Concen: 7.764 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 22329
Ion Ratio Lower Upper
146 100
111 43.3 22.4 67.2
148 61.5 31.8 95.3

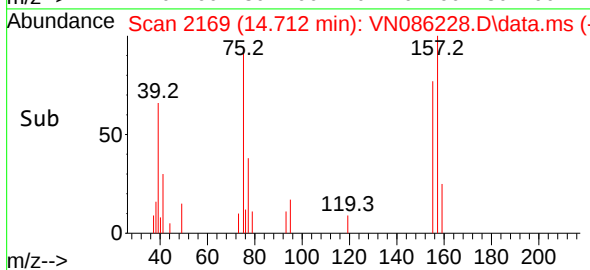
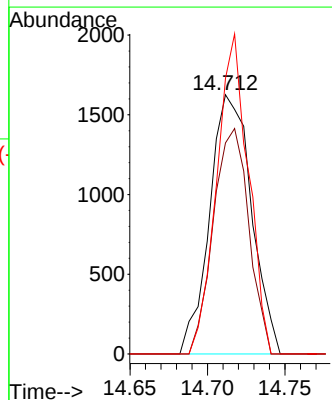
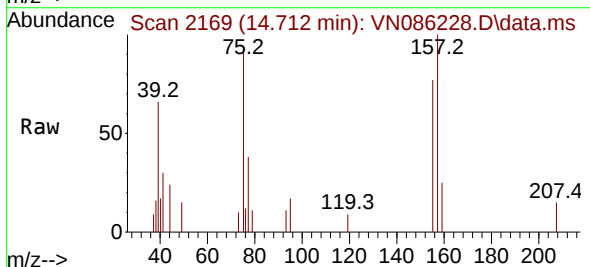
Manual Integrations
APPROVED

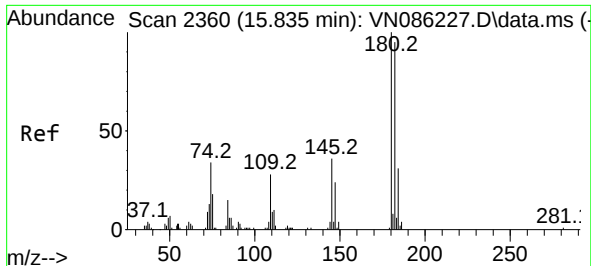
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 7.877 ug/l
RT: 14.712 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

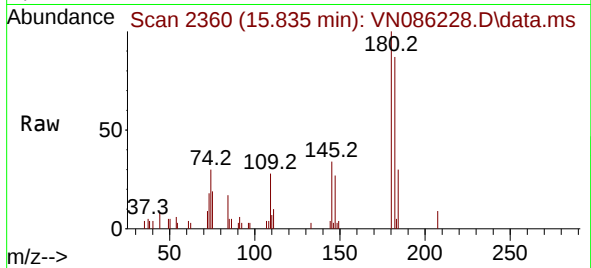
Tgt Ion: 75 Resp: 3050
Ion Ratio Lower Upper
75 100
155 73.9 63.3 94.9
157 93.2 81.3 121.9





#89
1,2,4-Trichlorobenzene
Concen: 7.977 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

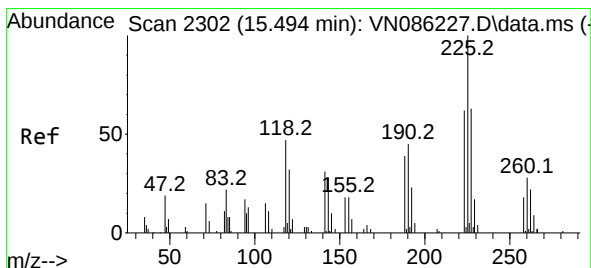
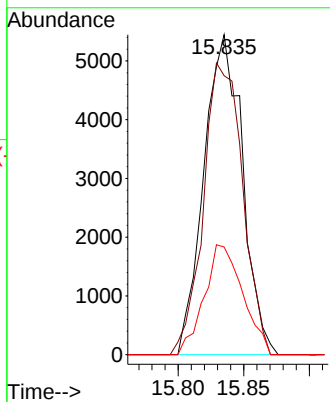
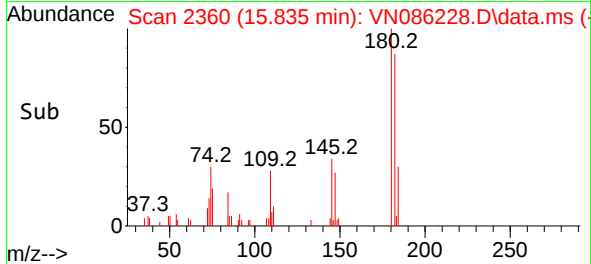
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



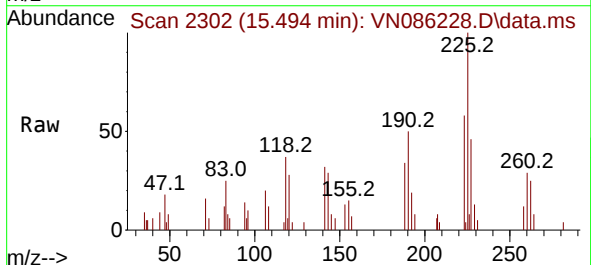
Tgt Ion:180 Resp: 1116
Ion Ratio Lower Upper
180 100
182 92.4 78.6 117.8
145 34.2 27.8 41.6

Manual Integrations
APPROVED

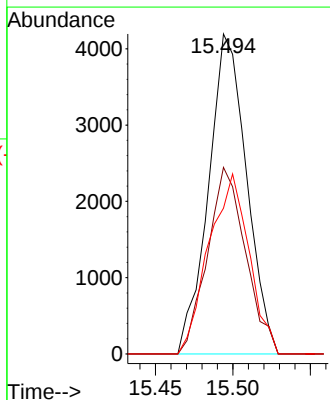
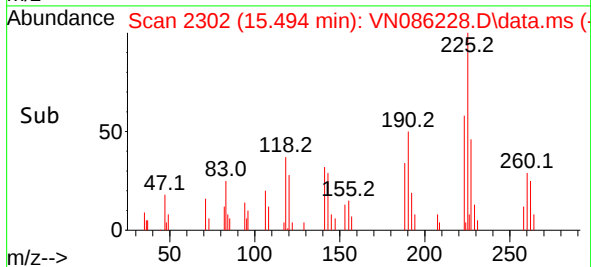
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

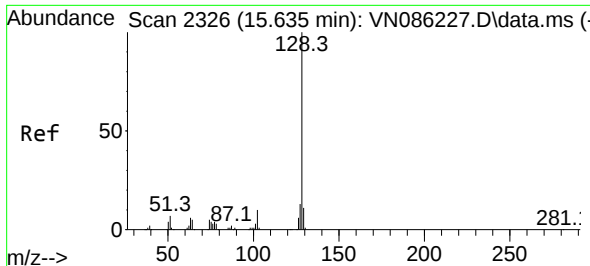


#90
Hexachlorobutadiene
Concen: 9.340 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50



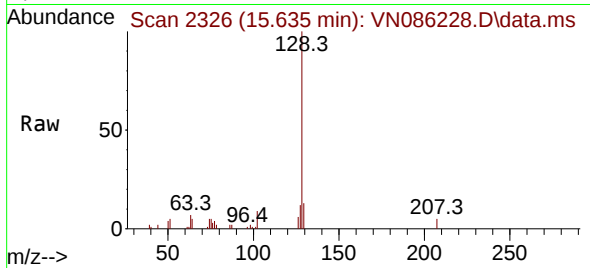
Tgt Ion:225 Resp: 7164
Ion Ratio Lower Upper
225 100
223 58.3 0.0 126.2
227 59.3 0.0 124.6





#91
Naphthalene
Concen: 7.437 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50

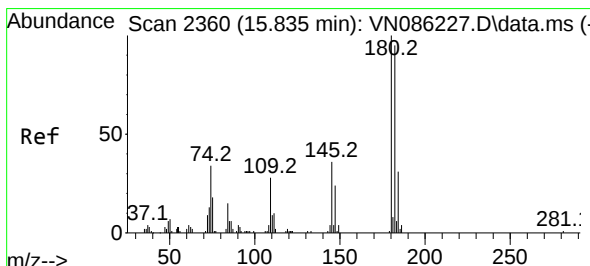
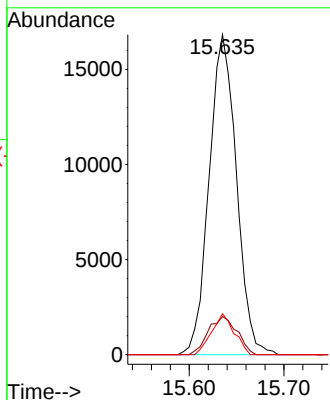
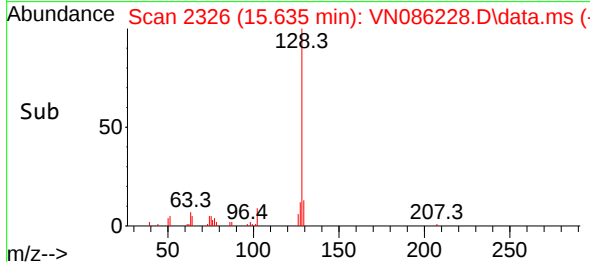
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



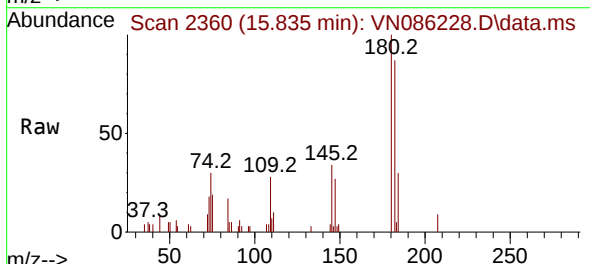
Tgt Ion:128 Resp: 3372
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 10.6 8.5 12.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#92
1,2,3-Trichlorobenzene
Concen: 7.977 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086228.D
Acq: 04 Apr 2025 12:50



Tgt Ion:180 Resp: 11161
Ion Ratio Lower Upper
180 100
182 92.4 0.0 196.4
145 34.2 0.0 69.4

