

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
 Data File : VN086374.D
 Acq On : 23 Apr 2025 10:09
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/24/2025
 Supervised By : Mahesh Dadoda 04/25/2025

Quant Time: Apr 24 04:21:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 03:57:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	14985	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	94342	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	83208	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	46482	32.173	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 107.233%			
60) 4-Bromofluorobenzene	12.847	95	47386	28.975	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.600%			
63) Toluene-d8	10.565	98	139428	30.458	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.533%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	23237	22.461	ug/l	94
3) Chloromethane	2.360	50	32735	22.275	ug/l	96
4) Vinyl Chloride	2.518	62	31706	22.526	ug/l	100
5) Bromomethane	2.965	94	17227	23.443	ug/l	96
6) Chloroethane	3.124	64	20344	21.681	ug/l	98
7) Trichlorofluoromethane	3.506	101	35120	21.139	ug/l	97
8) Diethyl Ether	3.954	74	15107	21.542	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	21550	21.099	ug/l	68
10) 1,1-Dichloroethene	4.342	96	22214	21.249	ug/l	92
11) Methyl Iodide	4.595	142	27244	22.273	ug/l	94
12) Methyl Acetate	5.024	43	33220	22.420	ug/l	100
13) Acrolein	4.177	56	4679	51.316	ug/l #	64
14) Acrylonitrile	5.712	53	61193	110.962	ug/l	100
15) Acetone	4.430	58	15647	102.967	ug/l	83
16) Carbon Disulfide	4.712	76	62940	22.848	ug/l	98
17) Allyl chloride	5.024	41	36824	22.030	ug/l	95
18) Methylene Chloride	5.277	84	26366	22.147	ug/l	96
19) trans-1,2-Dichloroethene	5.789	96	24289	21.798	ug/l	96
20) Diisopropyl ether	6.665	45	83886	21.106	ug/l	98
21) 1,1-Dichloroethane	6.565	63	47672	21.912	ug/l	95
22) cis-1,2-Dichloroethene	7.489	96	30349	21.782	ug/l	97
23) tert-Butyl Alcohol	5.506	59	25995	121.681	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	83899	21.722	ug/l	99
25) Chloroform	7.959	83	47626	21.630	ug/l	98
26) Cyclohexane	8.259	56	42204	21.971	ug/l #	99
29) 1,1-Dichloropropene	8.365	75	32771	19.704	ug/l	98
30) 2-Butanone	7.483	43	83711	103.698	ug/l	100
31) 2,2-Dichloropropane	7.489	77	42457	19.858	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	40622	20.439	ug/l	98
33) Carbon Tetrachloride	8.359	117	33025	20.185	ug/l	93
34) Benzene	8.600	78	109331	20.668	ug/l	97
35) Methacrylonitrile	7.777	41	18614	20.214	ug/l	96
36) 1,2-Dichloroethane	8.671	62	36373	21.178	ug/l	100
37) Trichloroethene	9.347	130	26541	20.042	ug/l	98
38) Methylcyclohexane	9.594	83	40193	20.925	ug/l	98
39) 1,2-Dichloropropane	9.618	63	26392	20.195	ug/l	98
40) Dibromomethane	9.706	93	17655	20.201	ug/l	95
41) Bromodichloromethane	9.883	83	38943	21.057	ug/l	98
42) Vinyl Acetate	6.600	43	294660	105.371	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	33800	21.158	ug/l	99
44) Isopropyl Acetate	8.683	43	64676	21.331	ug/l	98
45) 1,4-Dioxane	9.688	88	10816	457.212	ug/l	96
46) Methyl methacrylate	9.677	41	28646	20.482	ug/l	98
47) n-amyl Acetate	12.488	43	48225	18.661	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	40906	19.784	ug/l	99
49) cis-1,3-Dichloropropene	10.306	75	44083	20.217	ug/l	98
50) 1,1,2-Trichloroethane	11.012	97	24730	20.259	ug/l	98
51) Ethyl methacrylate	10.871	69	42091	19.798	ug/l	97
52) 1,3-Dichloropropane	11.159	76	42636	19.762	ug/l	99
53) Dibromochloromethane	11.359	129	26793	19.547	ug/l	99
54) 1,2-Dibromoethane	11.465	107	24702	19.902	ug/l	100
55) 2-Chloroethyl vinyl ether	10.153	63	19429	19.438	ug/l	99
56) Bromoform	12.576	173	17427	19.592	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	173992	108.057	ug/l	99
59) 2-Hexanone	11.188	43	126638	106.724	ug/l	98
61) Tetrachloroethene	11.100	164	26080	20.550	ug/l	96
62) Toluene	10.624	91	115551	20.747	ug/l	99
64) Chlorobenzene	11.888	112	70523	20.321	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.959	131	23497	20.249	ug/l	99
66) Ethyl Benzene	11.959	91	126637	20.200	ug/l	98
67) m/p-Xylenes	12.065	106	94219	39.609	ug/l	98
68) o-Xylene	12.394	106	47134	20.237	ug/l	99
69) Styrene	12.406	104	76280	19.323	ug/l	98
70) Isopropylbenzene	12.688	105	117022	20.128	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	32636	21.319	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	27690m	20.874	ug/l	
73) Bromobenzene	12.976	156	26179	19.586	ug/l	99
74) n-propylbenzene	13.029	91	137677	19.928	ug/l	100
75) 2-Chlorotoluene	13.124	91	86184	19.983	ug/l	99
76) 1,3,5-Trimethylbenzene	13.171	105	95657	20.052	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	12868	18.998	ug/l	96
78) 4-Chlorotoluene	13.218	91	83754	19.422	ug/l	99
79) tert-butylbenzene	13.435	119	83788	20.508	ug/l	97
80) 1,2,4-Trimethylbenzene	13.476	105	95917	19.688	ug/l	98
81) sec-Butylbenzene	13.612	105	117498	20.147	ug/l	99
82) p-Isopropyltoluene	13.723	119	95332	19.535	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	49157	19.455	ug/l	99
84) 1,4-Dichlorobenzene	13.806	146	47190	18.903	ug/l	98
85) n-Butylbenzene	14.053	91	83284	19.126	ug/l	100
86) Hexachloroethane	14.329	117	15481	19.401	ug/l	100
87) 1,2-Dichlorobenzene	14.100	146	47930	19.936	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.718	75	6078	19.533	ug/l	96
89) 1,2,4-Trichlorobenzene	15.835	180	22489	20.524	ug/l	99
90) Hexachlorobutadiene	15.494	225	9289	21.046	ug/l	97
91) Naphthalene	15.635	128	78425	19.992	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	22489	20.524	ug/l	99

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

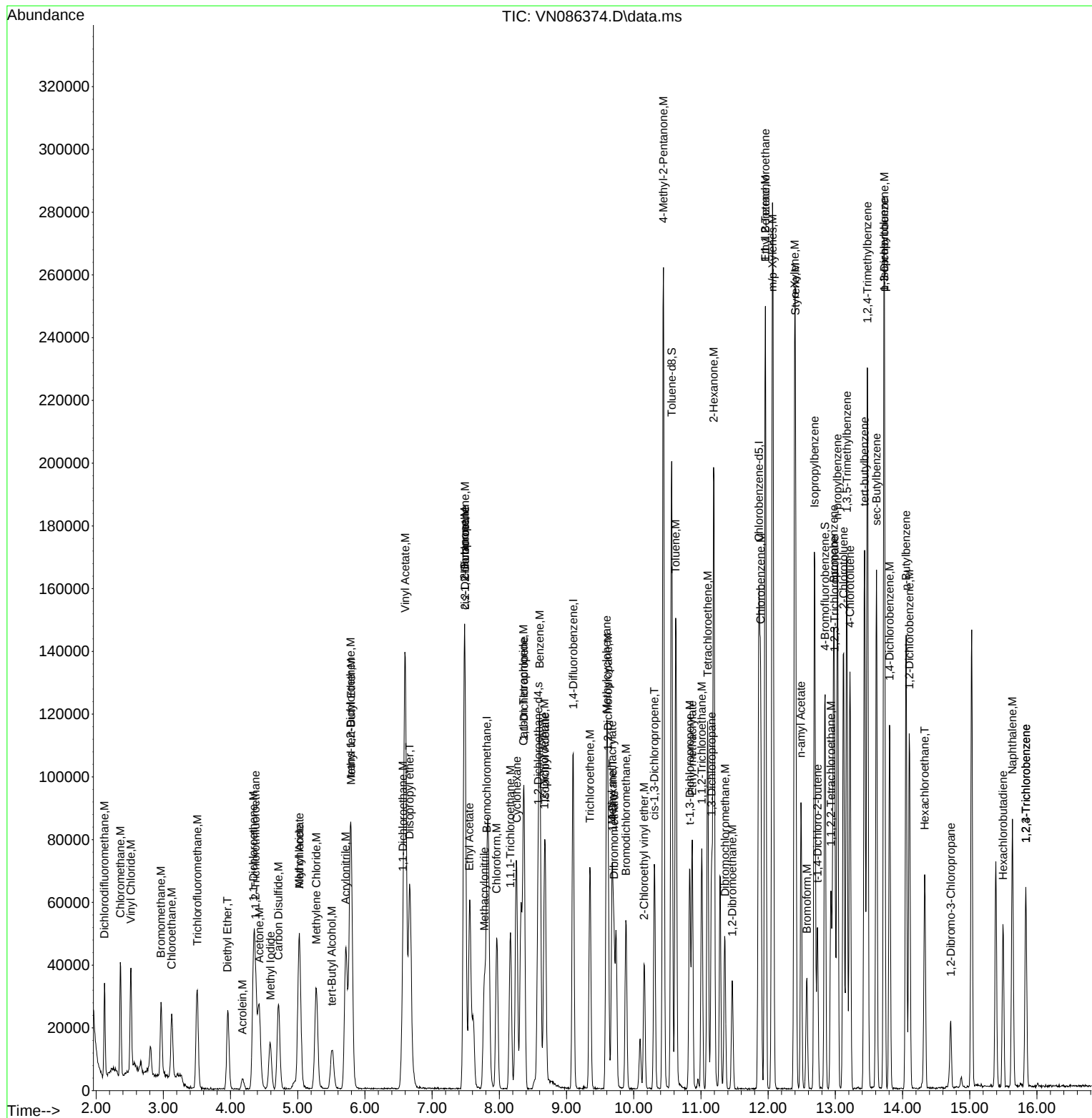
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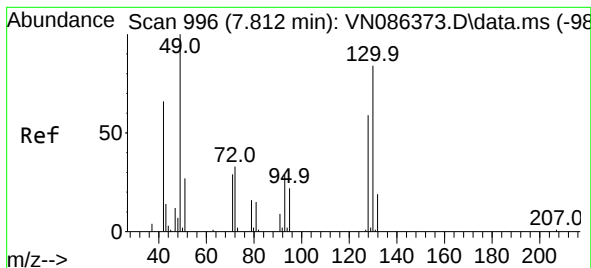
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MSVOA_N
ClientSampleId :
VSTDICC020

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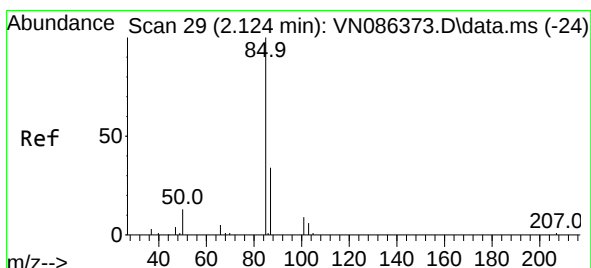
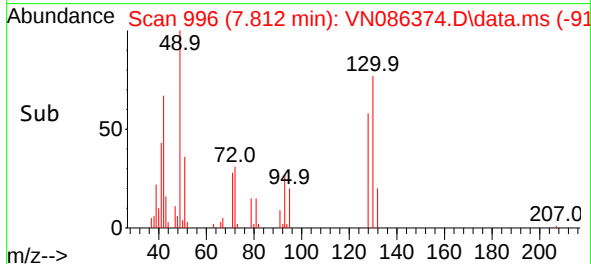
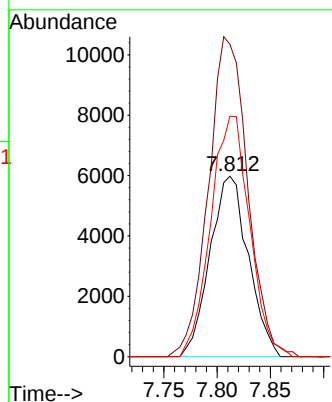
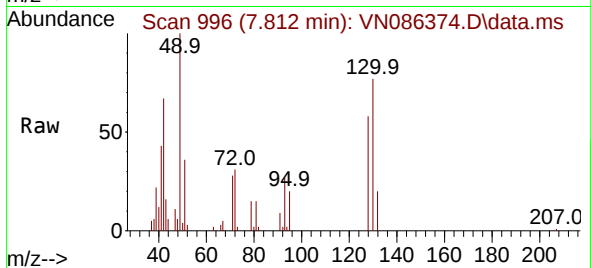
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 14985
Ion Ratio Lower Upper
128 100
49 180.7 0.0 433.8
130 135.8 0.0 325.0

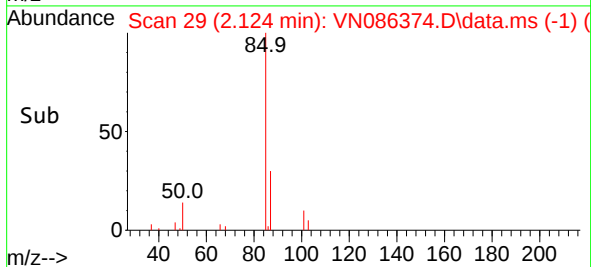
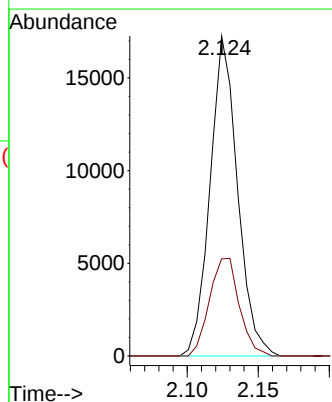
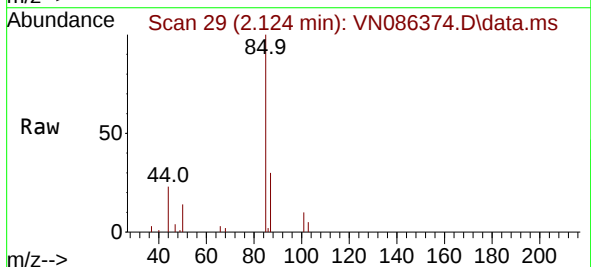
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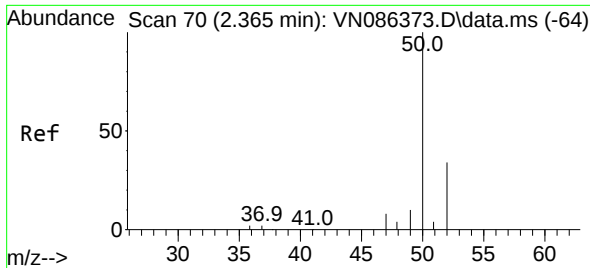
Reviewed By :John Carlone 04/24/2025
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#2
Dichlorodifluoromethane
Concen: 22.461 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Tgt Ion: 85 Resp: 23237
Ion Ratio Lower Upper
85 100
87 30.4 17.0 50.9





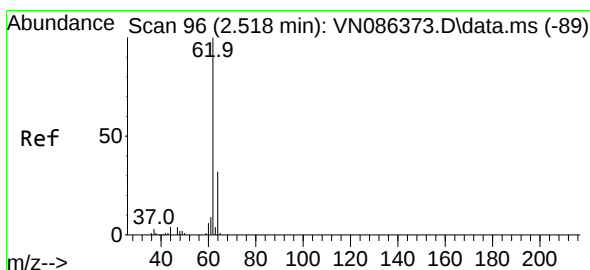
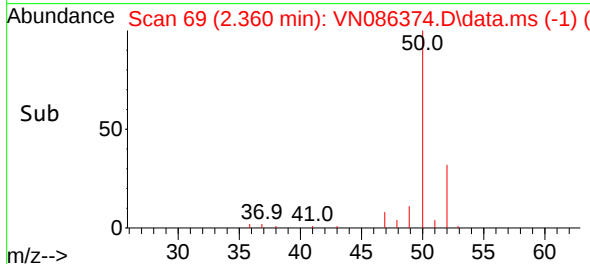
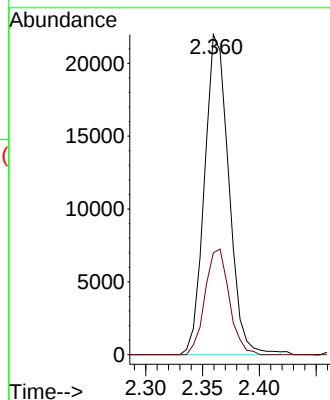
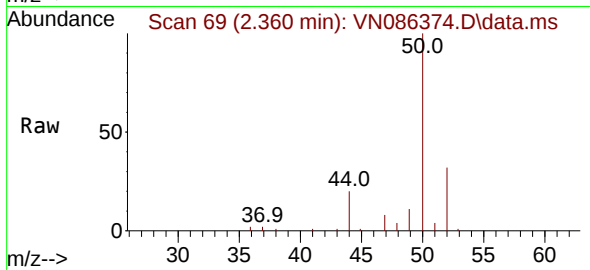
#3
Chloromethane
Concen: 22.275 ug/l
RT: 2.360 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Instrument :
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ClientSampleId :
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Tgt Ion: 50 Resp: 32735
Ion Ratio Lower Upper
50 100
52 31.8 27.3 40.9

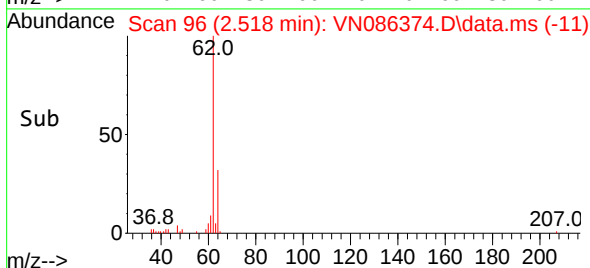
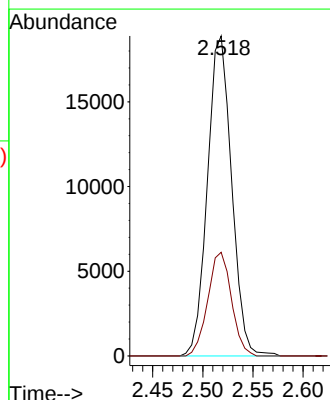
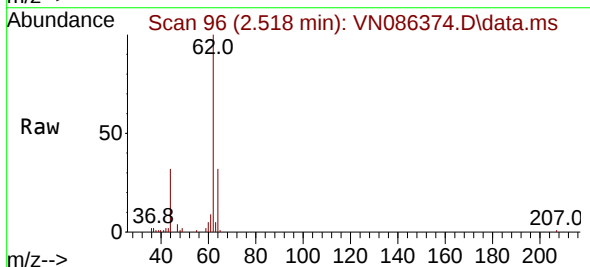
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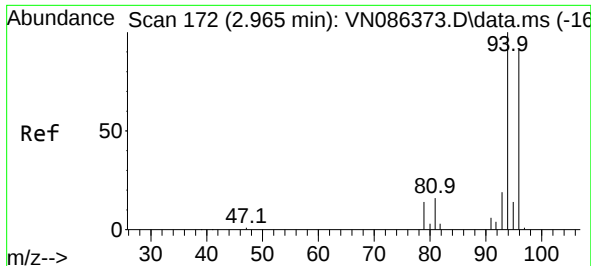
Reviewed By :John Carlone 04/24/2025
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#4
Vinyl Chloride
Concen: 22.526 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

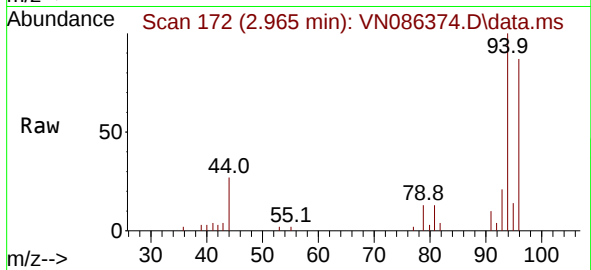
Tgt Ion: 62 Resp: 31706
Ion Ratio Lower Upper
62 100
64 32.4 25.8 38.8





#5
Bromomethane
Concen: 23.443 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

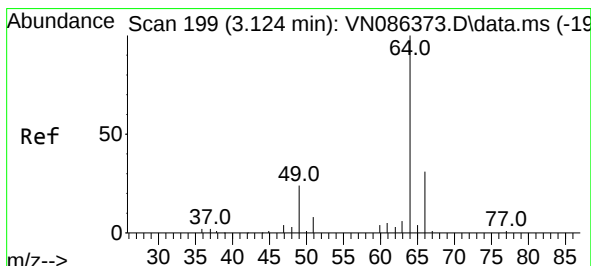
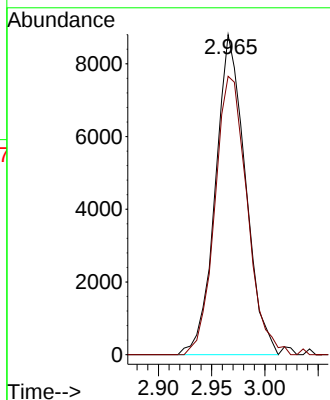
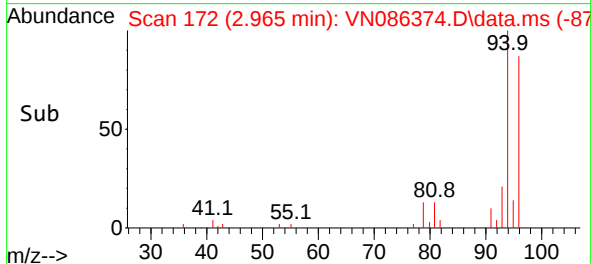
Instrument :
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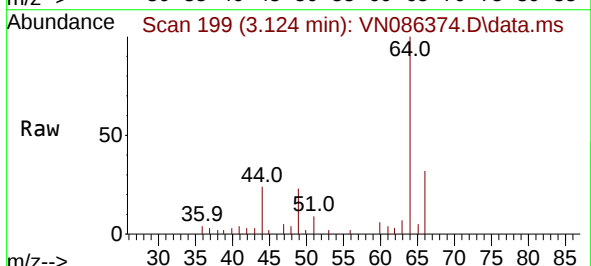
Tgt Ion: 94 Resp: 1722
Ion Ratio Lower Upper
94 100
96 87.0 72.4 108.6

Manual Integrations
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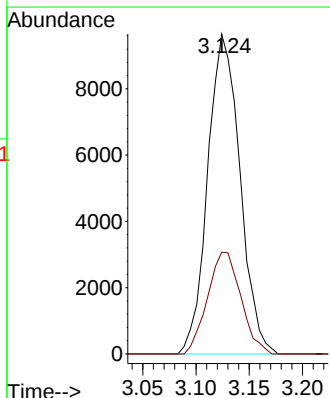
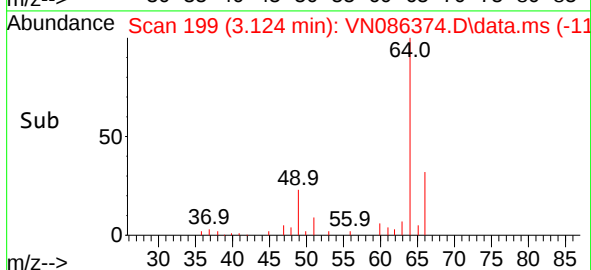
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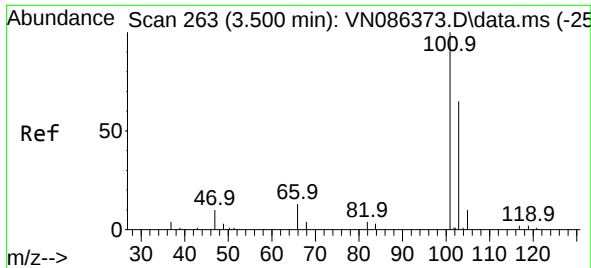


#6
Chloroethane
Concen: 21.681 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN086374.D
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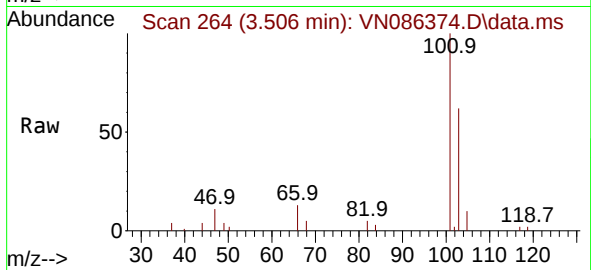
Tgt Ion: 64 Resp: 20344
Ion Ratio Lower Upper
64 100
66 31.8 24.5 36.7





#7
 Trichlorofluoromethane
 Concen: 21.139 ug/l
 RT: 3.506 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN086374.D
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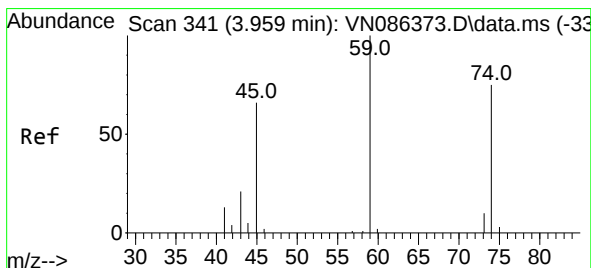
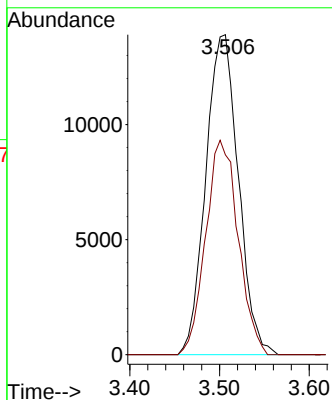
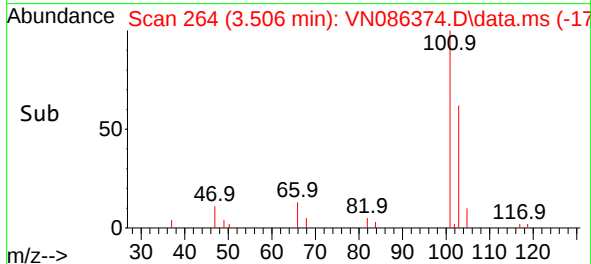
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020



Tgt Ion:101 Resp: 35120
 Ion Ratio Lower Upper
 101 100
 103 62.5 51.8 77.6

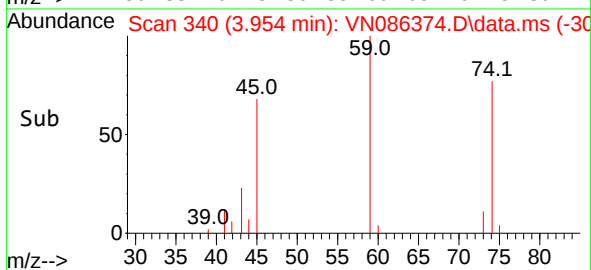
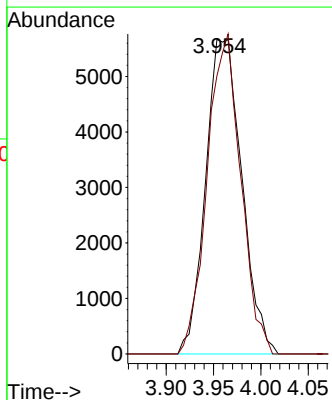
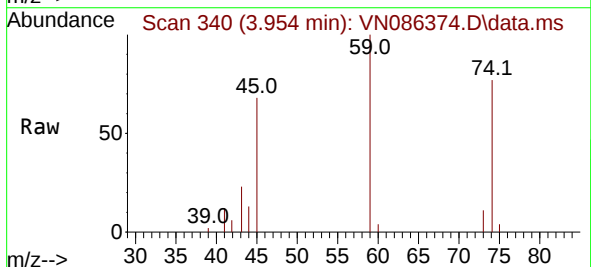
Manual Integrations
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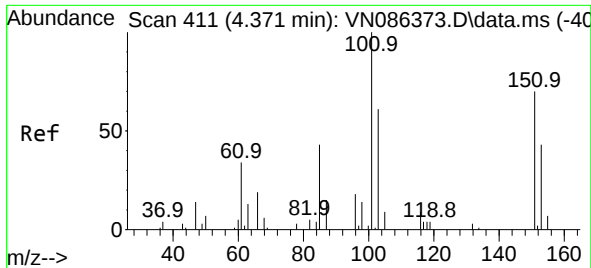
Reviewed By :John Carlone 04/24/2025
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#8
 Diethyl Ether
 Concen: 21.542 ug/l
 RT: 3.954 min Scan# 340
 Delta R.T. -0.006 min
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Tgt Ion: 74 Resp: 15107
 Ion Ratio Lower Upper
 74 100
 45 93.9 18.5 166.3





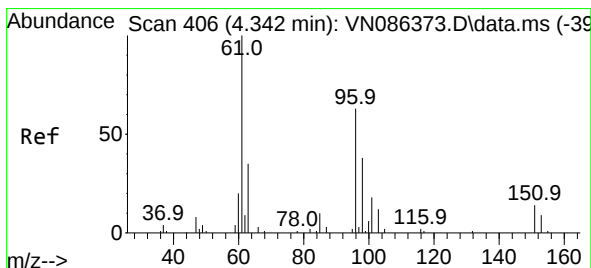
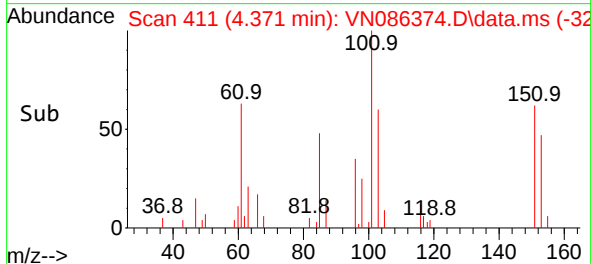
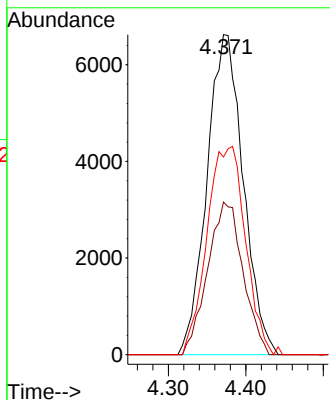
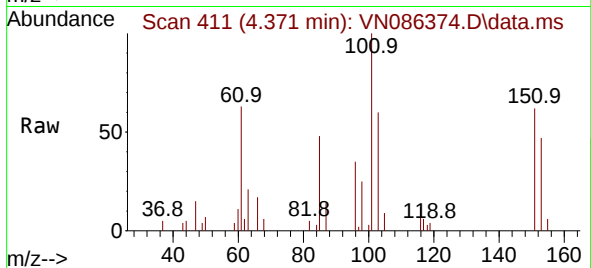
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 1,1,2-Trichlorotrifluoroethane
 Concen: 21.099 ug/l
 RT: 4.371 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VN086374.D
 Acq: 23 Apr 2025 10:09

Instrument :
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Tgt Ion: 101 Resp: 21550
 Ion Ratio Lower Upper
 101 100
 85 46.5 0.0 84.4
 151 33.7 0.0 145.8

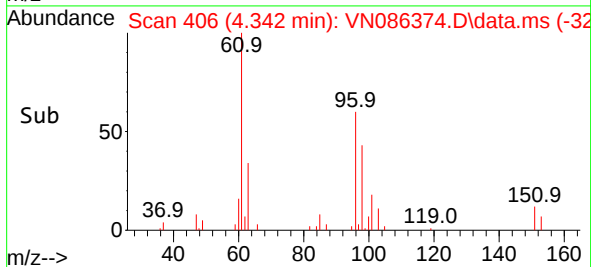
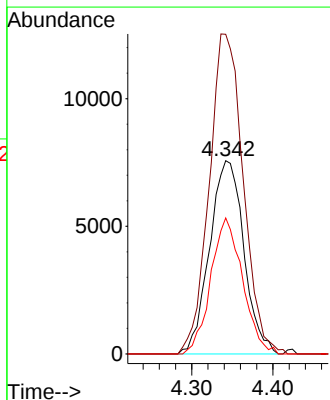
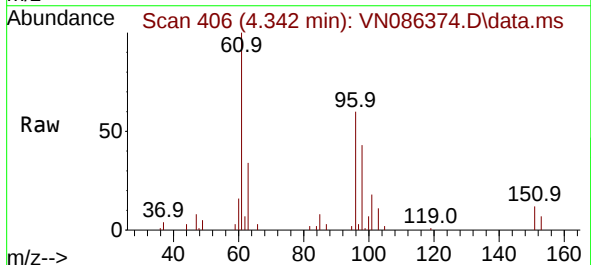
Manual Integrations
 APPROVED

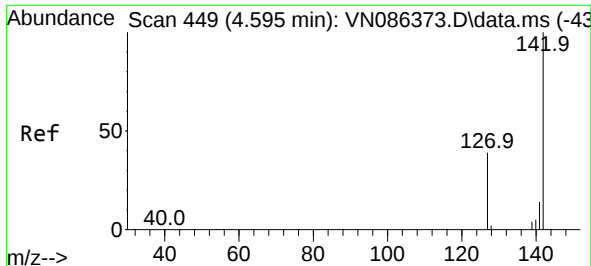
Reviewed By : John Carlone 04/24/2025
 Supervised By : Mahesh Dadoda 04/25/2025



#10
 1,1-Dichloroethene
 Concen: 21.249 ug/l
 RT: 4.342 min Scan# 406
 Delta R.T. 0.000 min
 Lab File: VN086374.D
 Acq: 23 Apr 2025 10:09

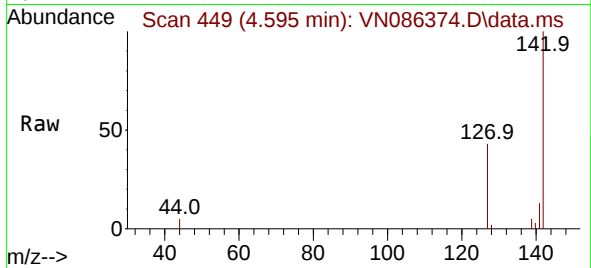
Tgt Ion: 96 Resp: 22214
 Ion Ratio Lower Upper
 96 100
 61 165.4 126.2 189.4
 98 70.4 48.5 72.7





#11
Methyl Iodide
Concen: 22.273 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

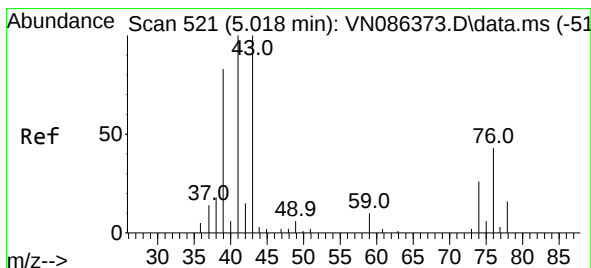
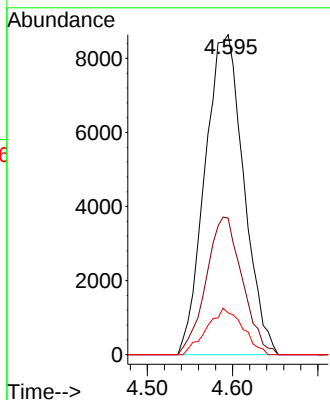
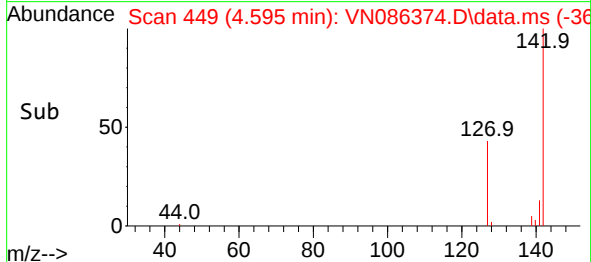
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



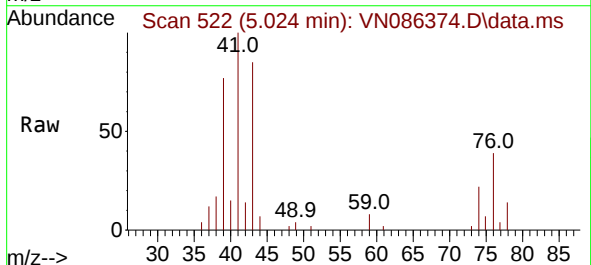
Tgt Ion:142 Resp: 2724
Ion Ratio Lower Upper
142 100
127 42.7 19.3 57.9
141 13.0 7.1 21.3

Manual Integrations
APPROVED

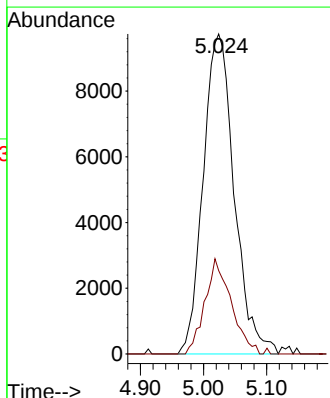
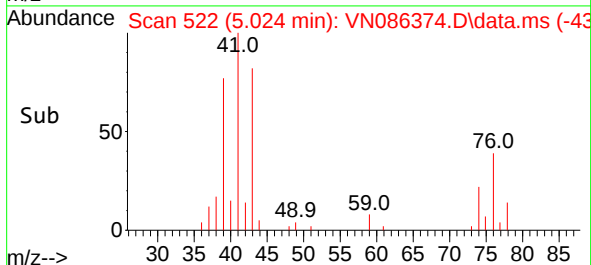
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

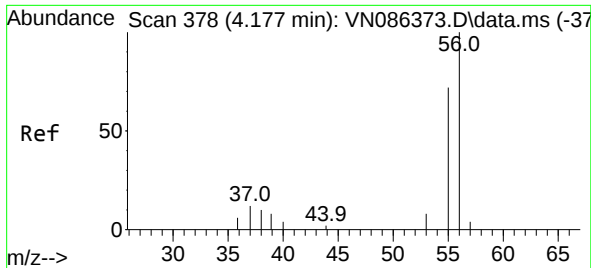


#12
Methyl Acetate
Concen: 22.420 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09



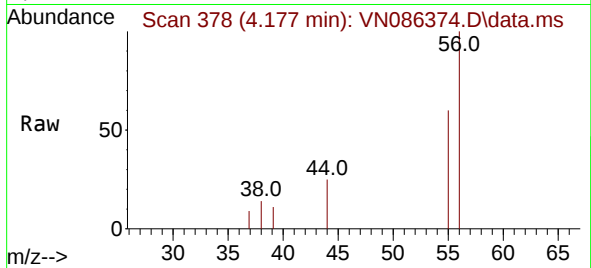
Tgt Ion: 43 Resp: 33220
Ion Ratio Lower Upper
43 100
74 26.1 20.8 31.2





#13
Acrolein
Concen: 51.316 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

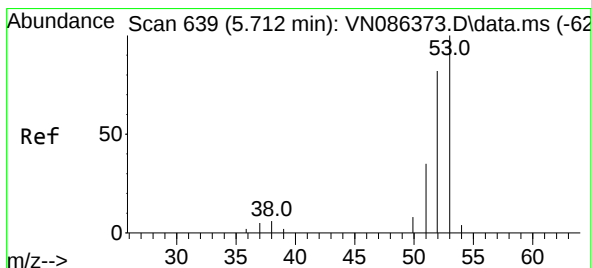
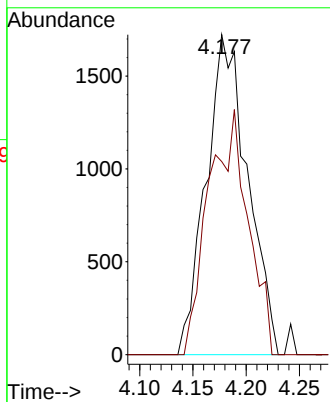
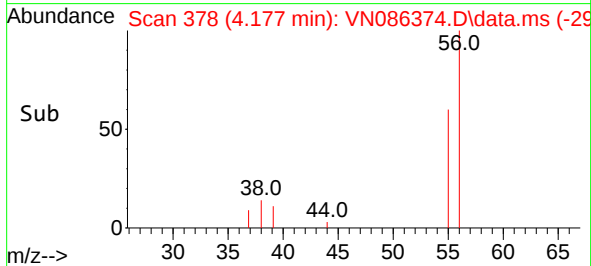
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



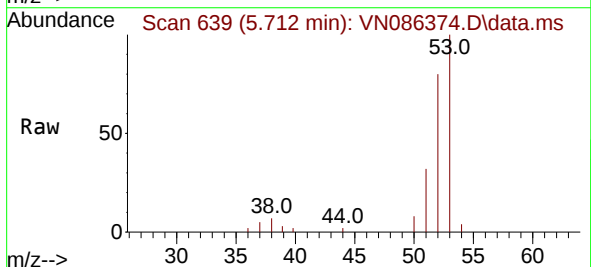
Tgt Ion: 56 Resp: 4679
Ion Ratio Lower Upper
56 100
55 40.2 56.1 84.1

Manual Integrations
APPROVED

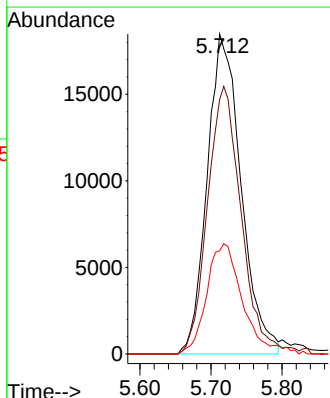
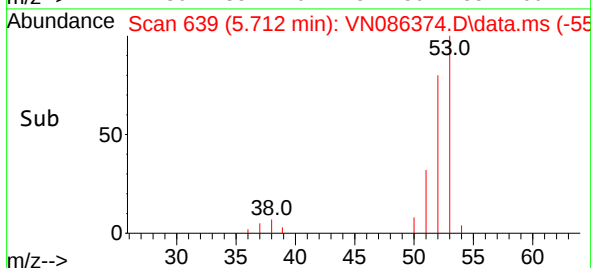
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

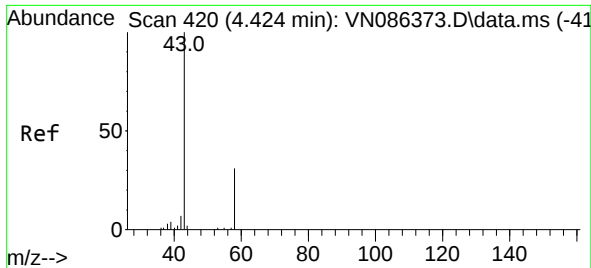


#14
Acrylonitrile
Concen: 110.962 ug/l
RT: 5.712 min Scan# 639
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09



Tgt Ion: 53 Resp: 61193
Ion Ratio Lower Upper
53 100
52 82.3 41.2 123.6
51 35.2 17.6 52.8





#15

Acetone

Concen: 102.967 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN086374.D

Acq: 23 Apr 2025 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 58 Resp: 1564

Ion Ratio Lower Upper

58 100

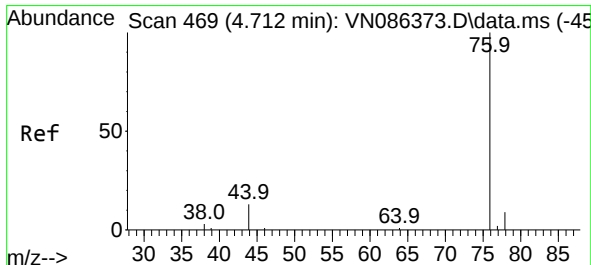
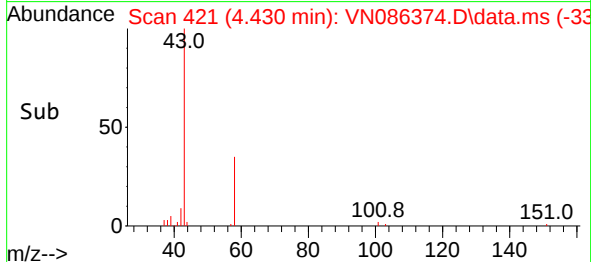
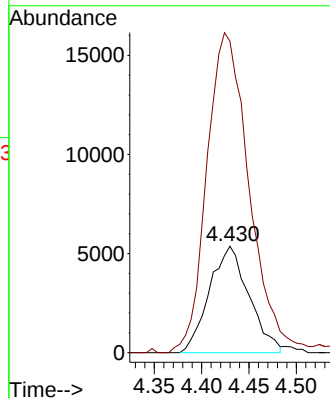
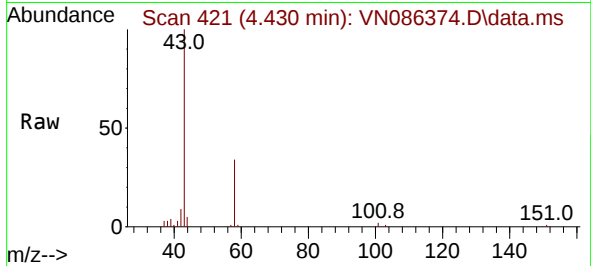
43 284.8 255.1 382.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#16

Carbon Disulfide

Concen: 22.848 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN086374.D

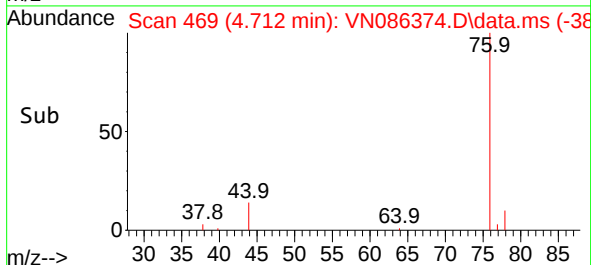
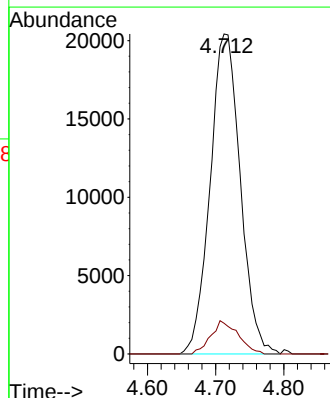
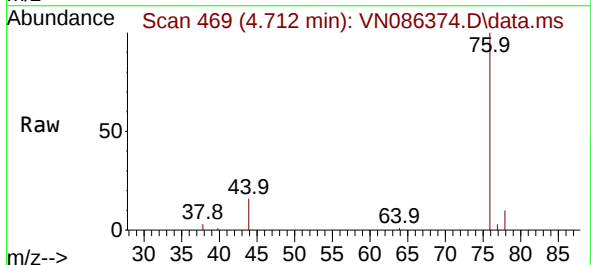
Acq: 23 Apr 2025 10:09

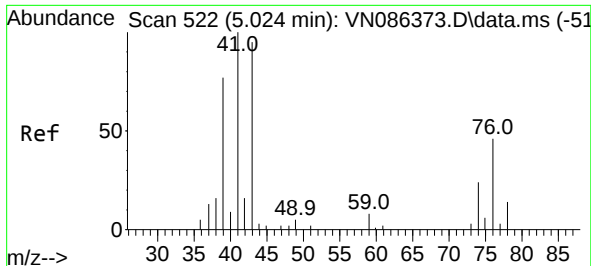
Tgt Ion: 76 Resp: 62940

Ion Ratio Lower Upper

76 100

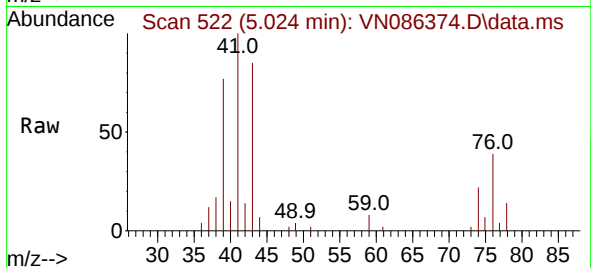
78 9.6 7.1 10.7





#17
 Allyl chloride
 Concen: 22.030 ug/l
 RT: 5.024 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN086374.D
 Acq: 23 Apr 2025 10:09

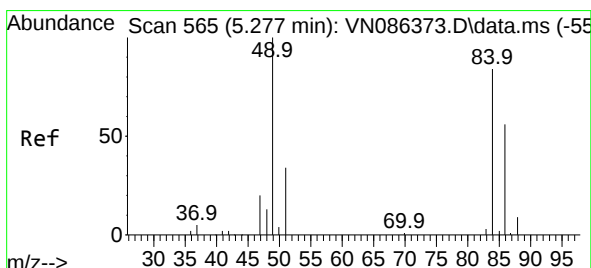
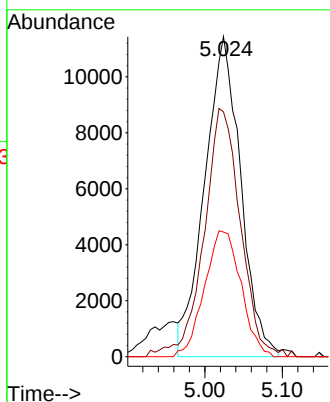
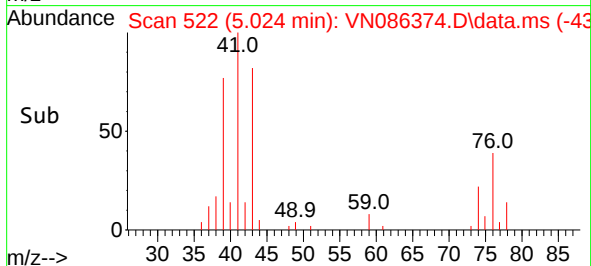
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020



Tgt Ion: 41 Resp: 36824
 Ion Ratio Lower Upper
 41 100
 39 76.6 36.7 110.1
 76 39.6 21.8 65.4

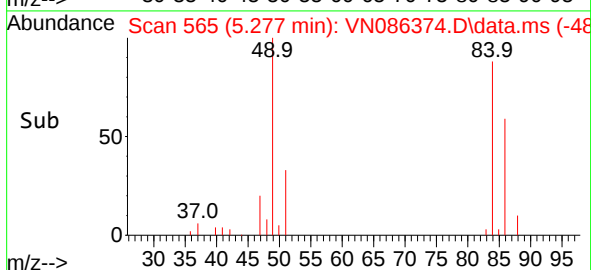
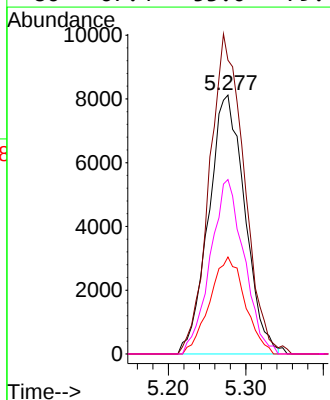
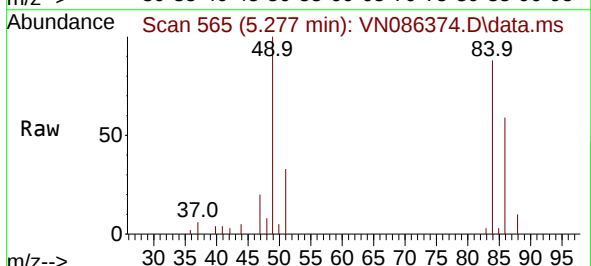
Manual Integrations
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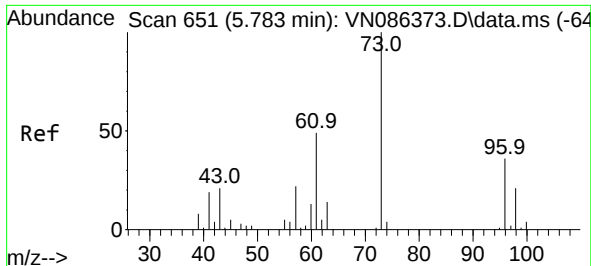
Reviewed By :John Carlone 04/24/2025
 Supervised By :Mahesh Dadoda 04/25/2025



#18
 Methylene Chloride
 Concen: 22.147 ug/l
 RT: 5.277 min Scan# 565
 Delta R.T. 0.000 min
 Lab File: VN086374.D
 Acq: 23 Apr 2025 10:09

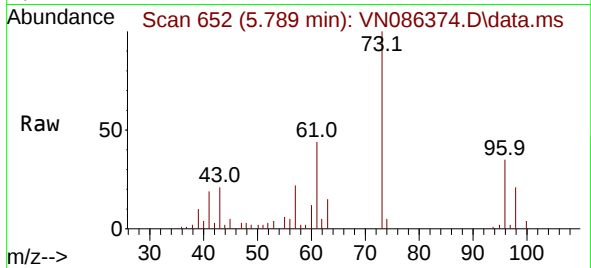
Tgt Ion: 84 Resp: 26366
 Ion Ratio Lower Upper
 84 100
 49 113.4 95.4 143.0
 51 37.4 32.8 49.2
 86 67.4 53.0 79.4





#19
trans-1,2-Dichloroethene
Concen: 21.798 ug/l
RT: 5.789 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

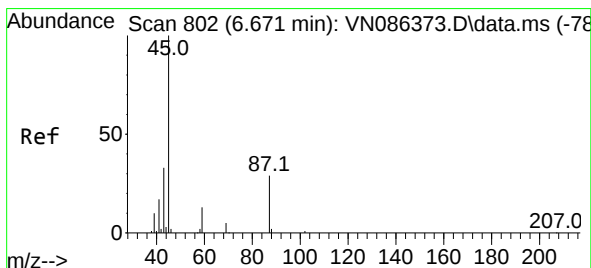
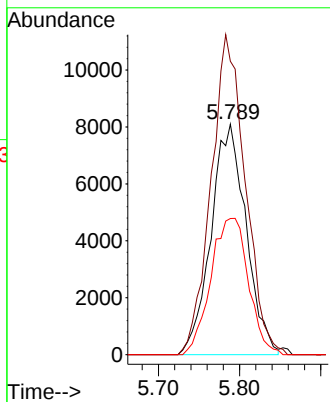
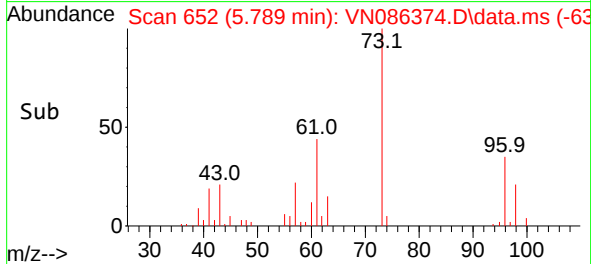
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 96 Resp: 24289
Ion Ratio Lower Upper
96 100
61 127.3 107.3 160.9
98 59.1 46.7 70.1

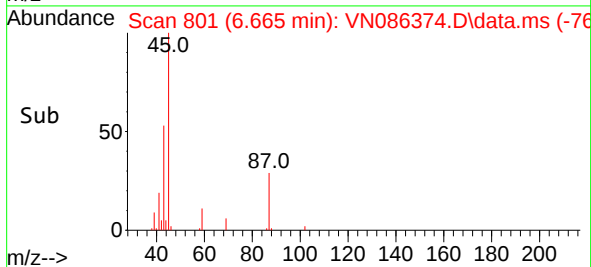
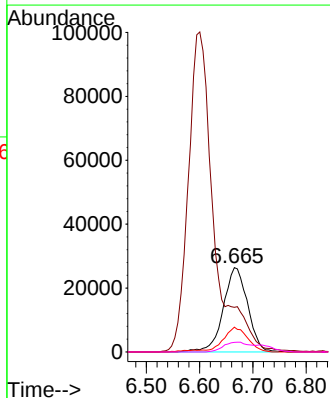
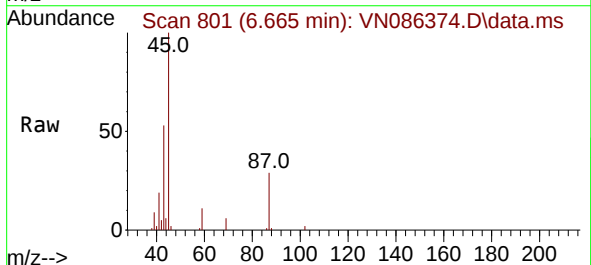
Manual Integrations
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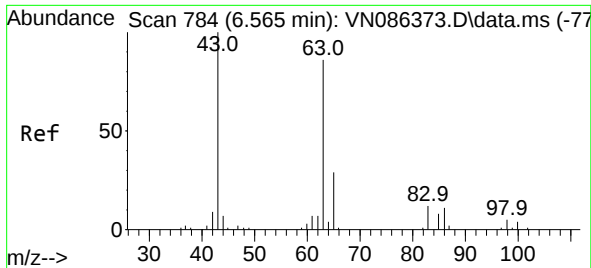
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#20
Diisopropyl ether
Concen: 21.106 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Tgt Ion: 45 Resp: 83886
Ion Ratio Lower Upper
45 100
43 50.3 38.8 58.2
87 29.3 23.5 35.3
59 11.3 10.0 15.0





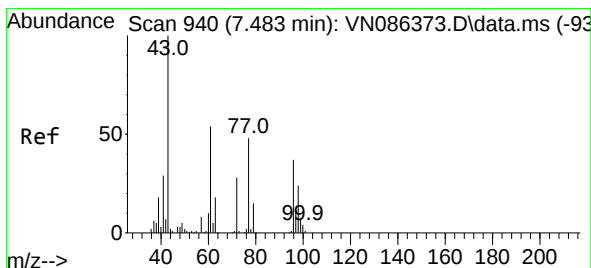
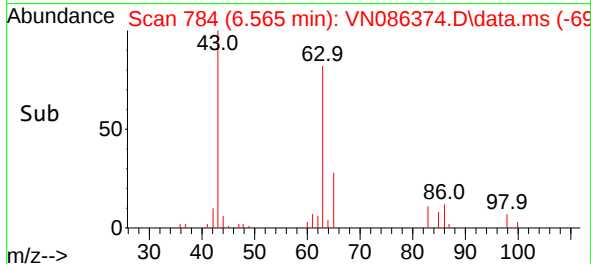
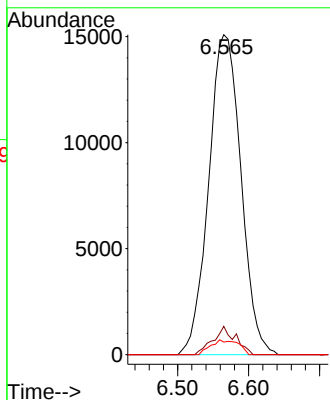
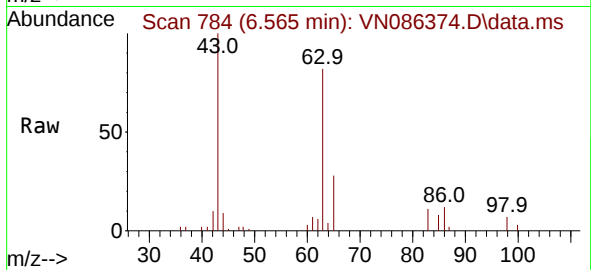
#21
1,1-Dichloroethane
Concen: 21.912 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 47672
Ion Ratio Lower Upper
63 100
98 8.8 3.0 9.2
100 3.9 2.3 6.8

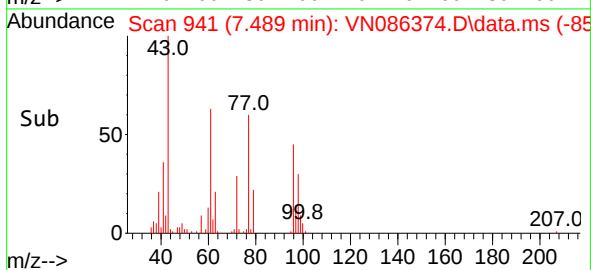
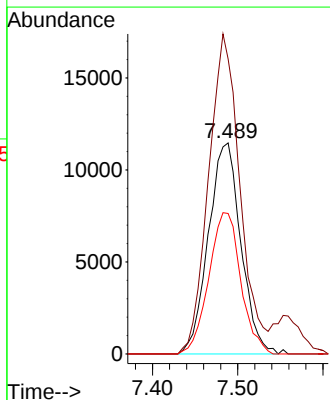
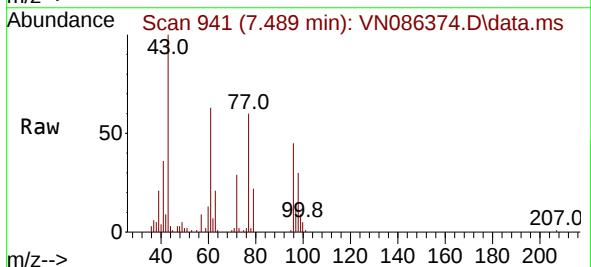
Manual Integrations
APPROVED

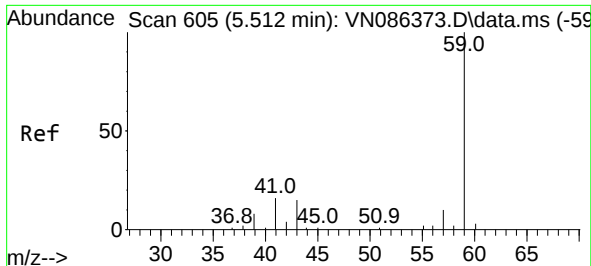
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#22
cis-1,2-Dichloroethene
Concen: 21.782 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

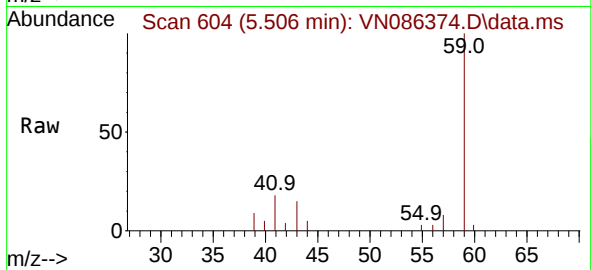
Tgt Ion: 96 Resp: 30349
Ion Ratio Lower Upper
96 100
61 146.9 120.6 181.0
98 66.0 51.8 77.6





#23
tert-Butyl Alcohol
Concen: 121.681 ug/l
RT: 5.506 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

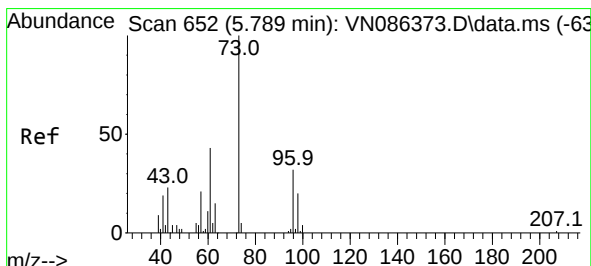
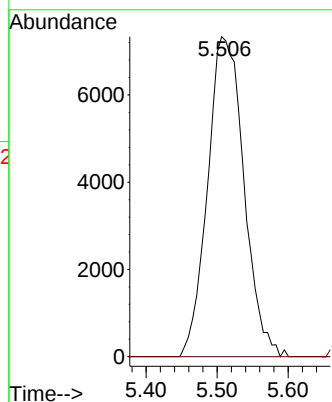
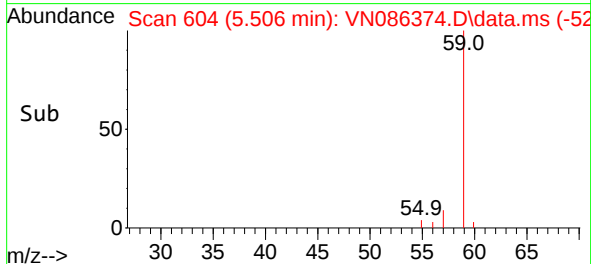
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



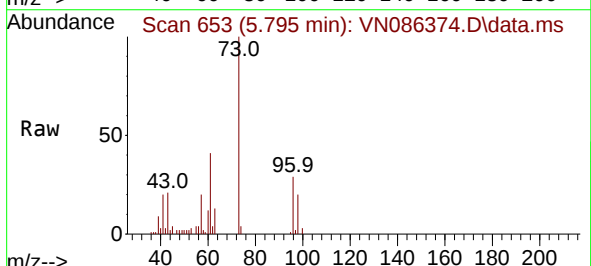
Tgt Ion: 59 Resp: 2599
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1

Manual Integrations
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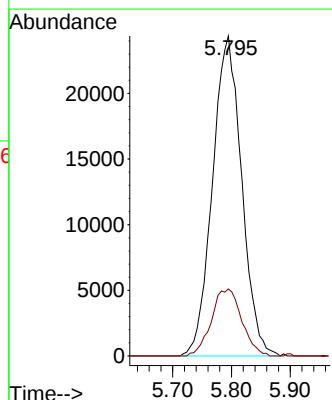
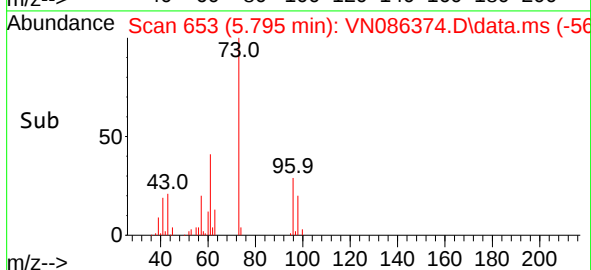
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

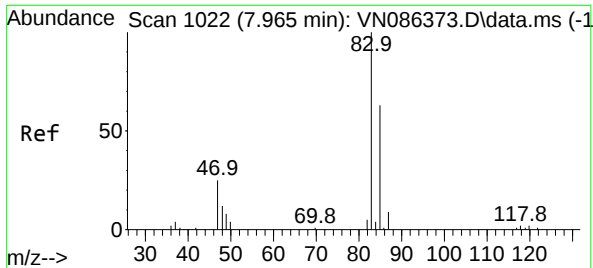


#24
Methyl tert-Butyl Ether
Concen: 21.722 ug/l
RT: 5.795 min Scan# 653
Delta R.T. 0.006 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09



Tgt Ion: 73 Resp: 83899
Ion Ratio Lower Upper
73 100
43 21.8 17.1 25.7





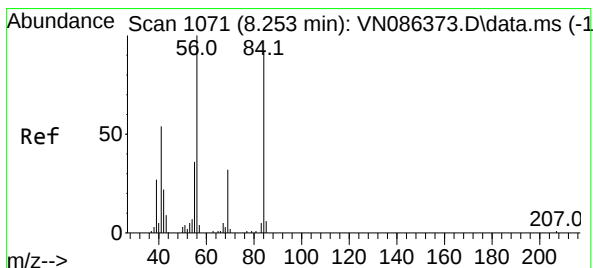
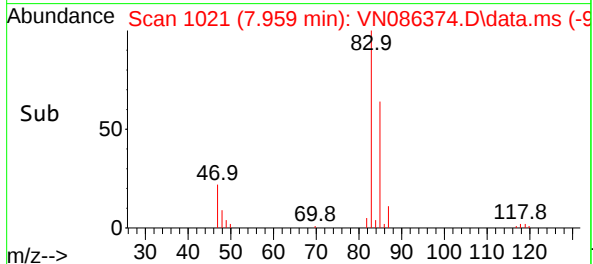
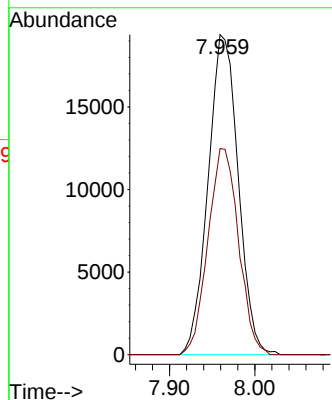
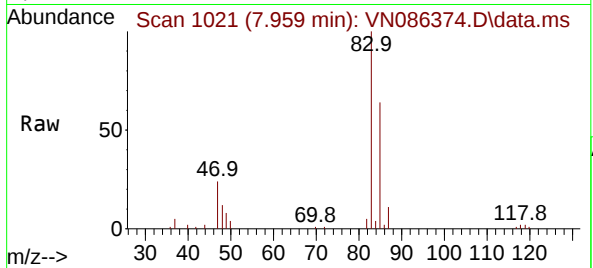
#25
Chloroform
Concen: 21.630 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 47620
Ion Ratio Lower Upper
83 100
85 64.4 50.2 75.2

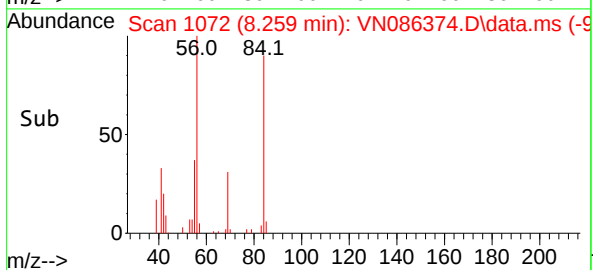
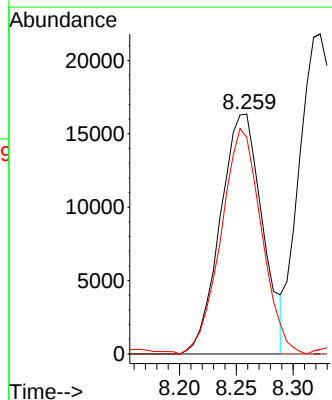
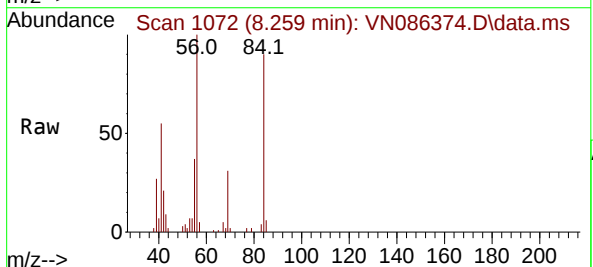
Manual Integrations
APPROVED

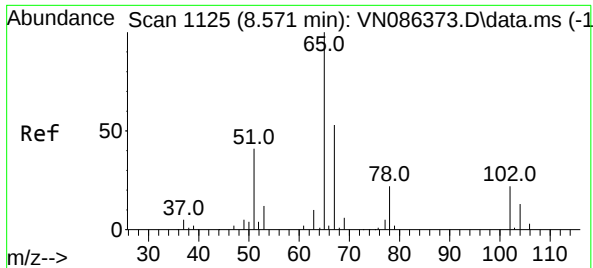
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#26
Cyclohexane
Concen: 21.971 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. 0.006 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Tgt Ion: 56 Resp: 42204
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 89.9 71.5 107.3





#27

1,2-Dichloroethane-d4

Concen: 32.173 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN086374.D

Acq: 23 Apr 2025 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 4648

Ion Ratio Lower Upper

65 100

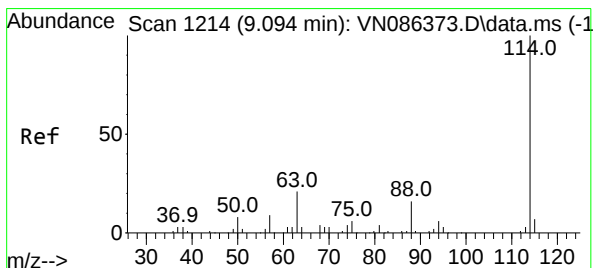
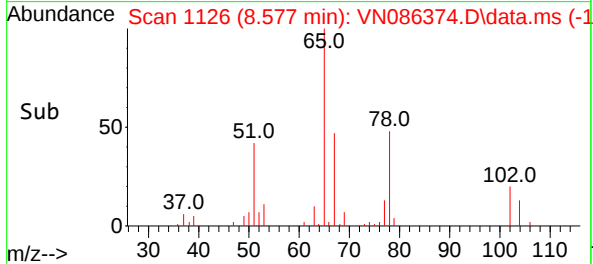
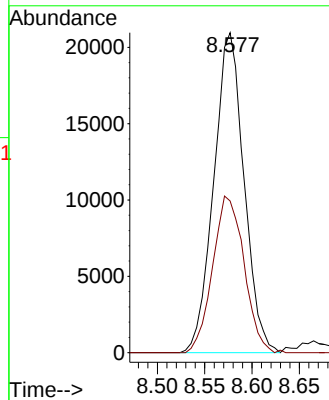
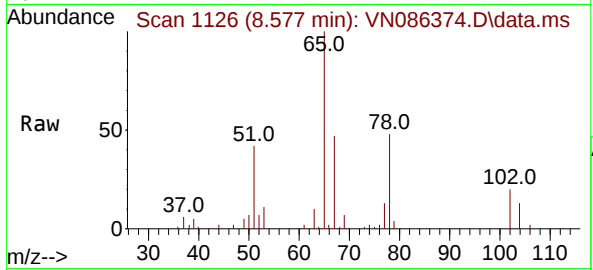
67 50.7 42.5 63.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN086374.D

Acq: 23 Apr 2025 10:09

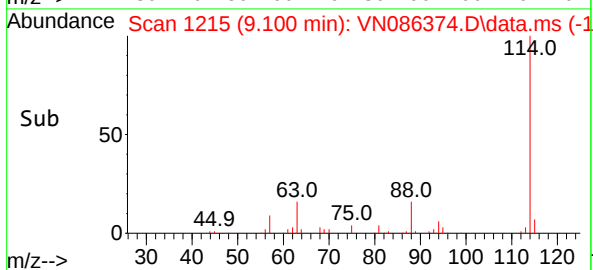
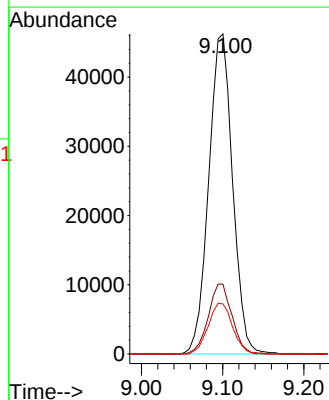
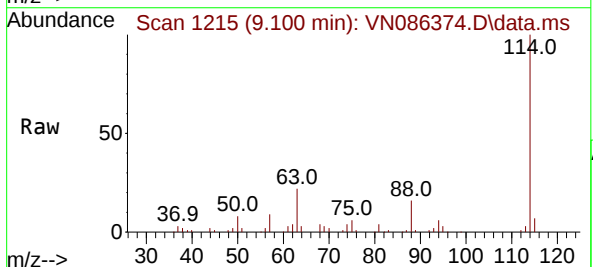
Tgt Ion:114 Resp: 94342

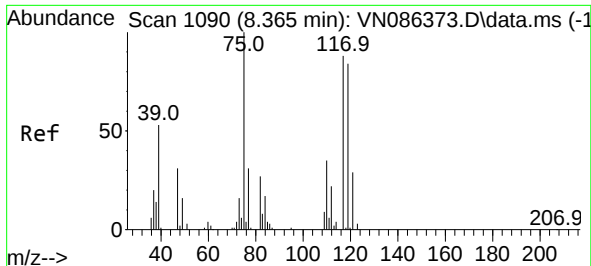
Ion Ratio Lower Upper

114 100

63 21.6 16.7 25.1

88 16.2 12.6 19.0





#29

1,1-Dichloropropene

Concen: 19.704 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. 0.000 min

Lab File: VN086374.D

Acq: 23 Apr 2025 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

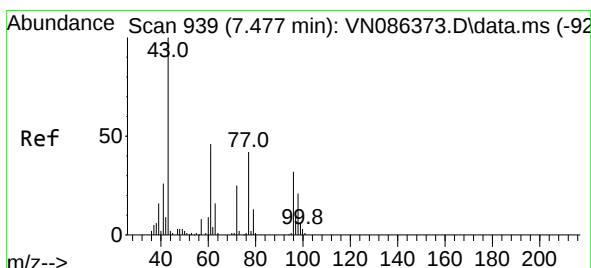
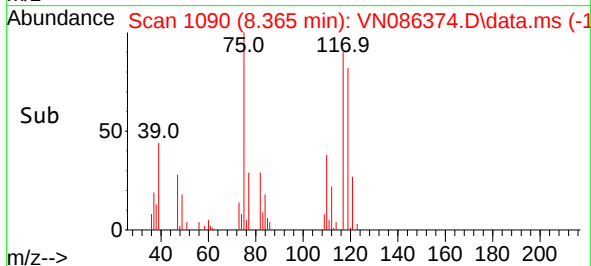
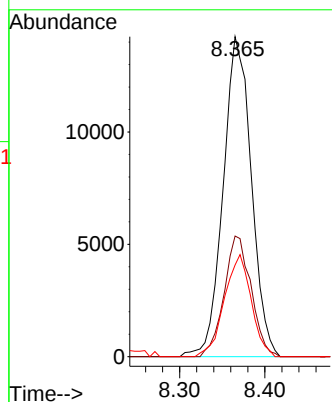
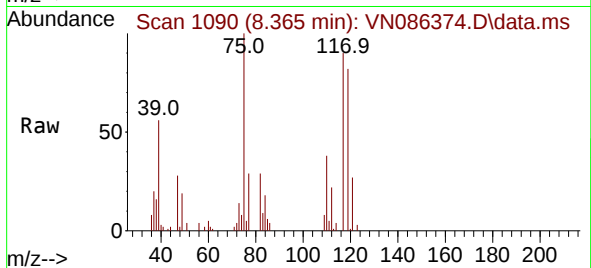
Tgt Ion: 75	Resp: 3277
Ion Ratio	Lower Upper
75 100	
110 36.0	0.0 68.0
77 30.4	0.0 61.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#30

2-Butanone

Concen: 103.698 ug/l

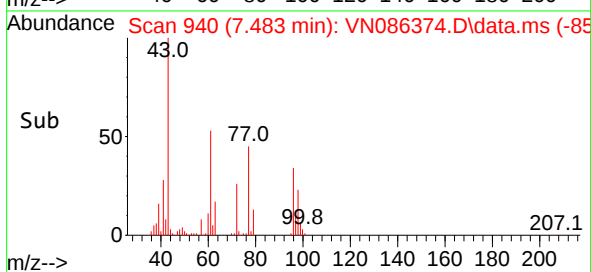
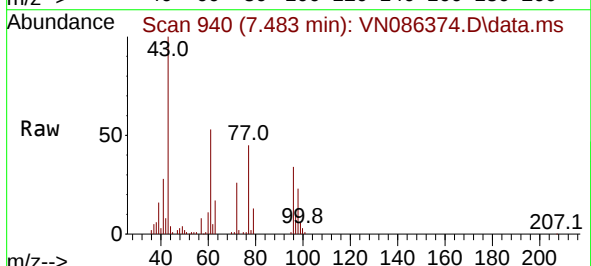
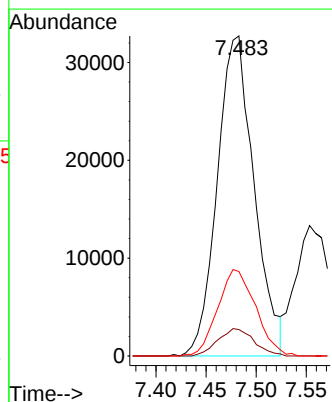
RT: 7.483 min Scan# 940

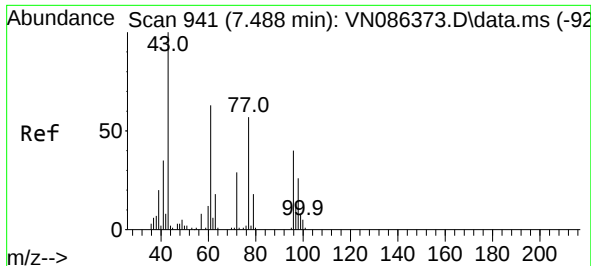
Delta R.T. 0.006 min

Lab File: VN086374.D

Acq: 23 Apr 2025 10:09

Tgt Ion: 43	Resp: 83711
Ion Ratio	Lower Upper
43 100	
57 8.4	6.6 10.0
72 27.7	22.2 33.4





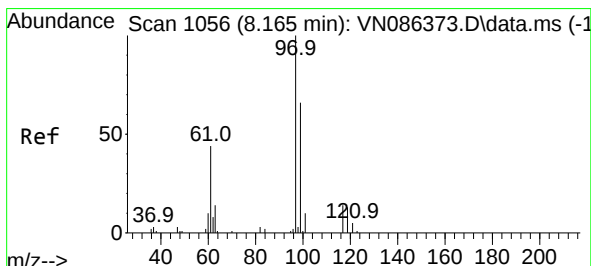
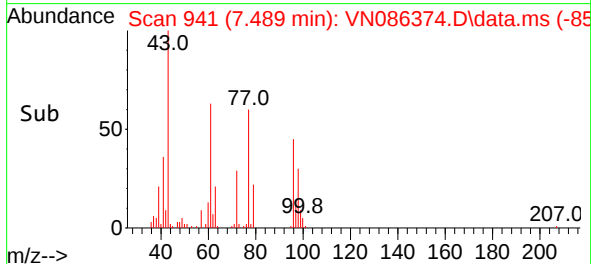
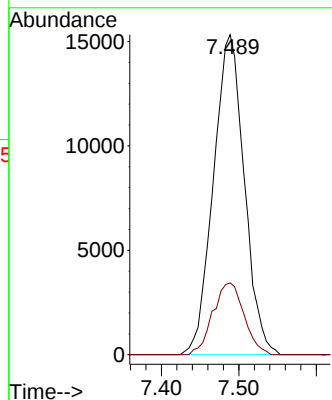
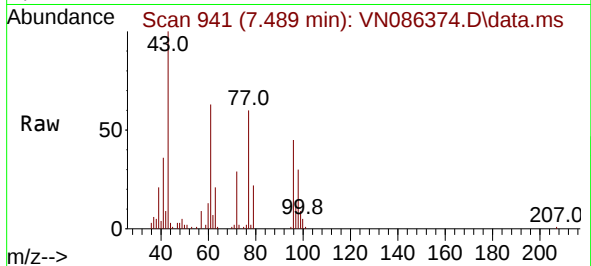
#31
2,2-Dichloropropane
Concen: 19.858 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 77 Resp: 4245
Ion Ratio Lower Upper
77 100
97 22.7 18.2 27.2

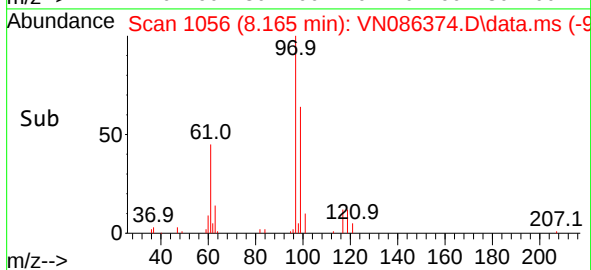
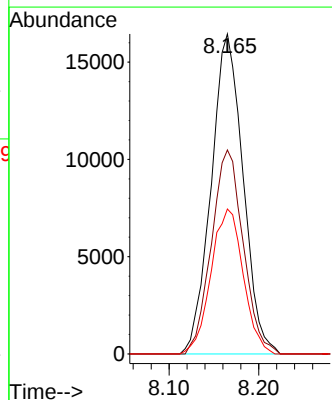
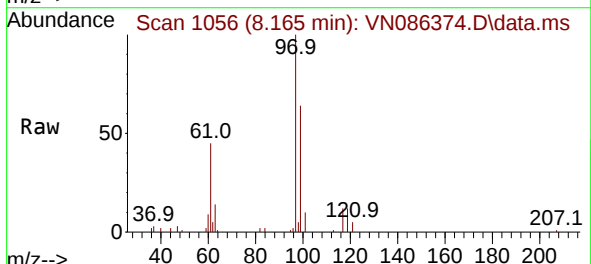
Manual Integrations
APPROVED

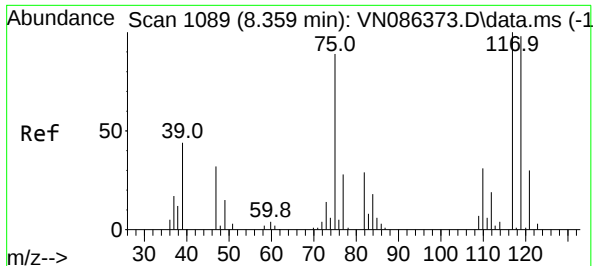
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#32
1,1,1-Trichloroethane
Concen: 20.439 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

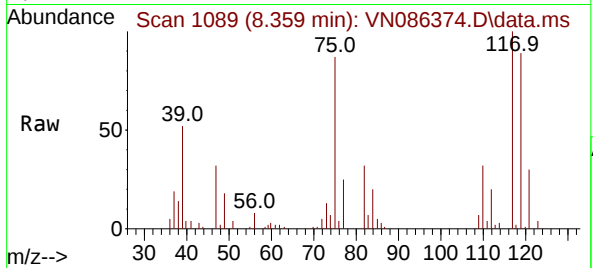
Tgt Ion: 97 Resp: 40622
Ion Ratio Lower Upper
97 100
99 63.5 52.6 79.0
61 45.8 36.4 54.6





#33
Carbon Tetrachloride
Concen: 20.185 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

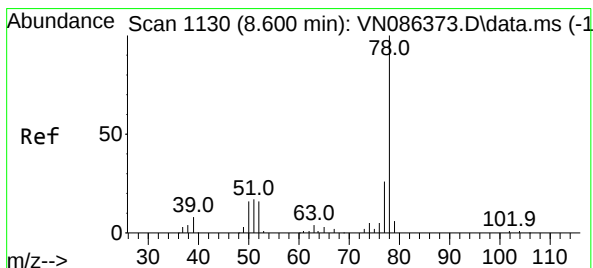
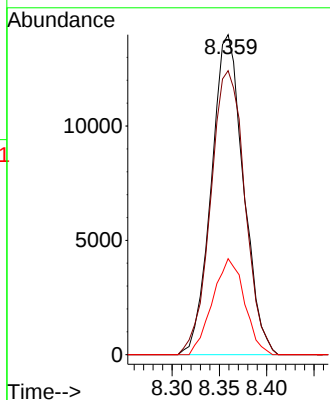
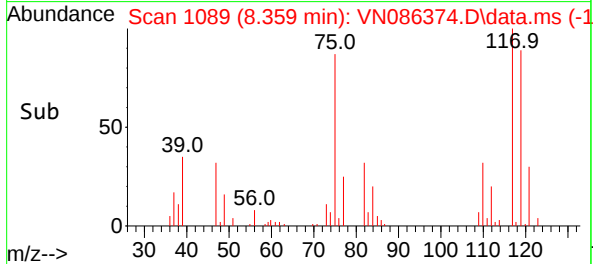
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



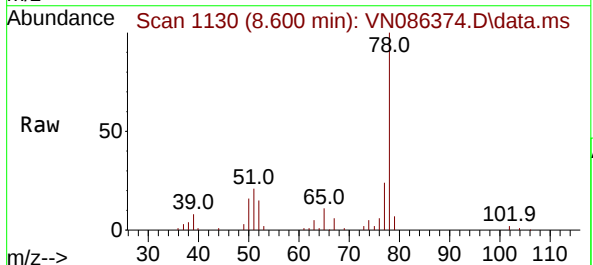
Tgt Ion:117 Resp: 33025
Ion Ratio Lower Upper
117 100
119 88.7 78.6 117.8
121 30.0 24.0 36.0

Manual Integrations
APPROVED

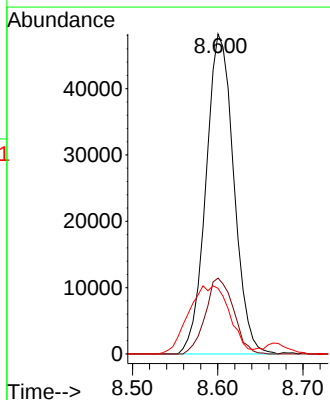
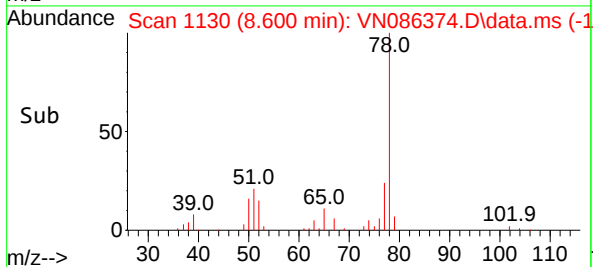
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

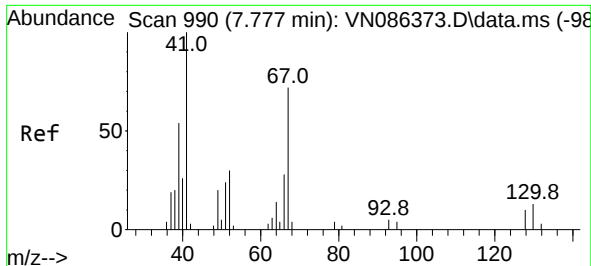


#34
Benzene
Concen: 20.668 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09



Tgt Ion: 78 Resp: 109331
Ion Ratio Lower Upper
78 100
77 23.7 20.8 31.2
51 17.2 14.0 21.0





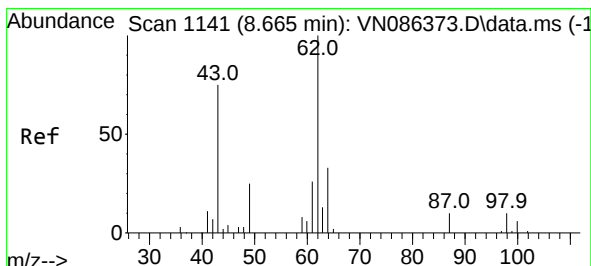
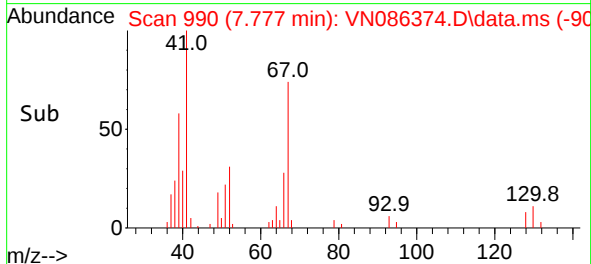
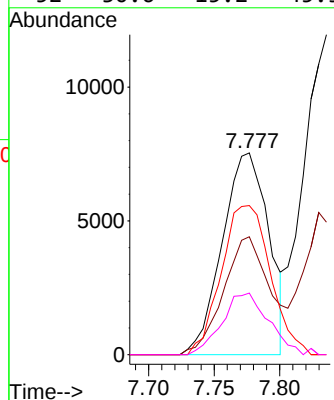
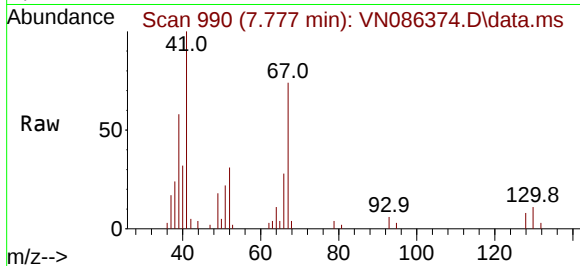
#35
Methacrylonitrile
Concen: 20.214 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 41	Resp: 18614
Ion Ratio	Lower Upper
41 100	
39 58.4	27.0 80.8
67 73.9	35.8 107.3
52 30.6	15.2 45.5

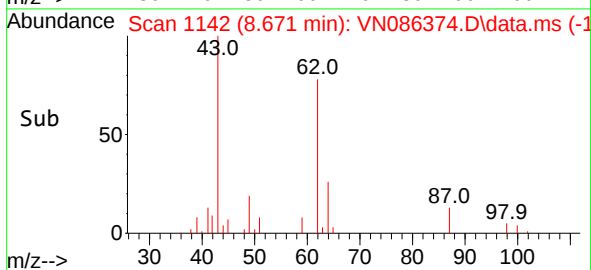
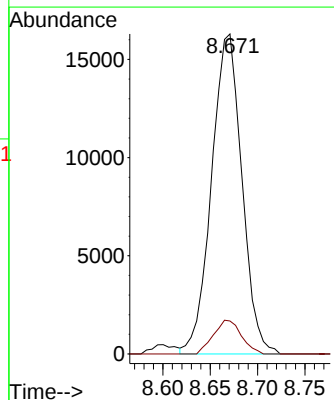
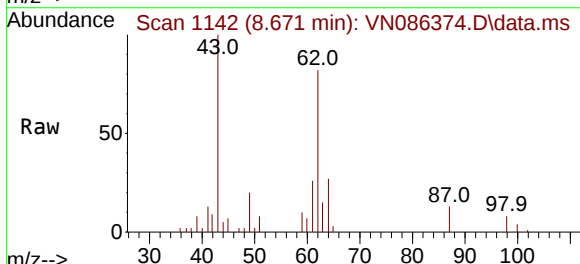
Manual Integrations
APPROVED

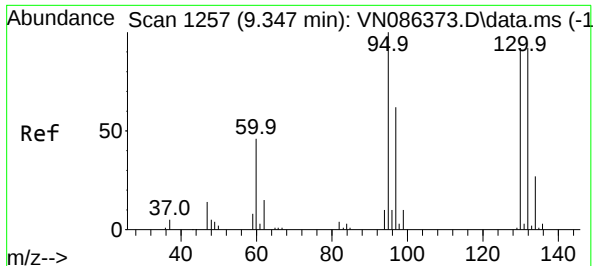
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#36
1,2-Dichloroethane
Concen: 21.178 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Tgt Ion: 62	Resp: 36373
Ion Ratio	Lower Upper
62 100	
98 9.7	7.6 11.4





#37

Trichloroethene

Concen: 20.042 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. 0.000 min

Lab File: VN086374.D

Acq: 23 Apr 2025 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion:130 Resp: 2654

Ion Ratio Lower Upper

130 100

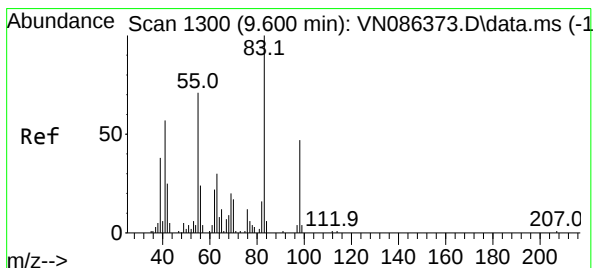
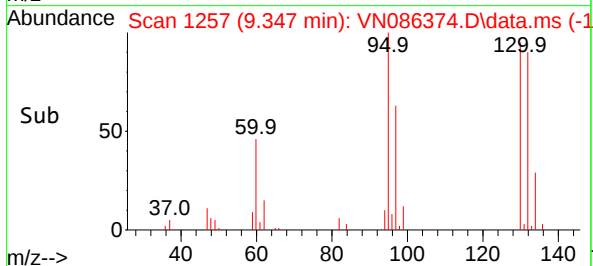
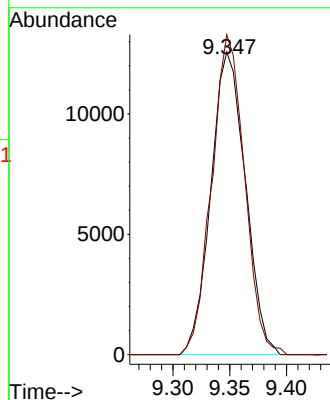
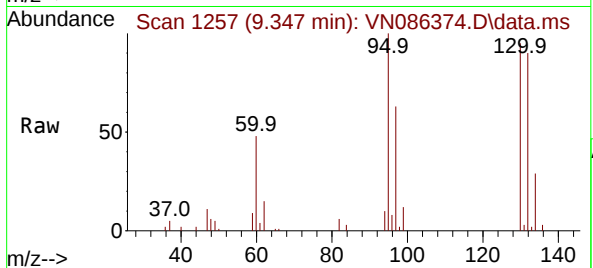
95 105.7 86.6 130.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#38

Methylcyclohexane

Concen: 20.925 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.006 min

Lab File: VN086374.D

Acq: 23 Apr 2025 10:09

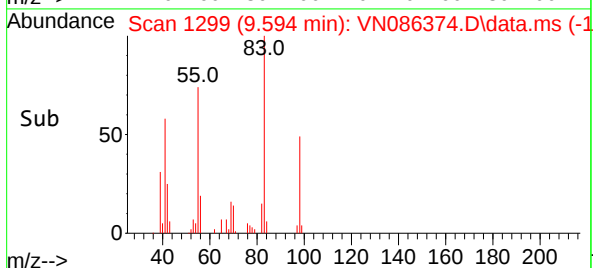
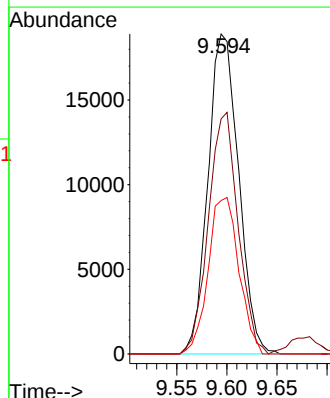
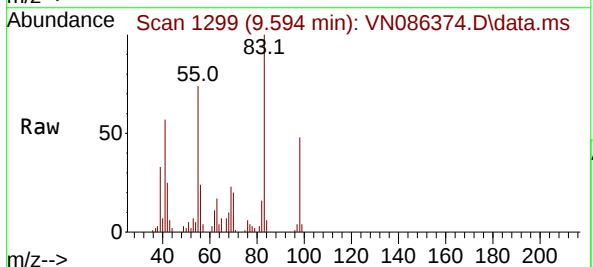
Tgt Ion: 83 Resp: 40193

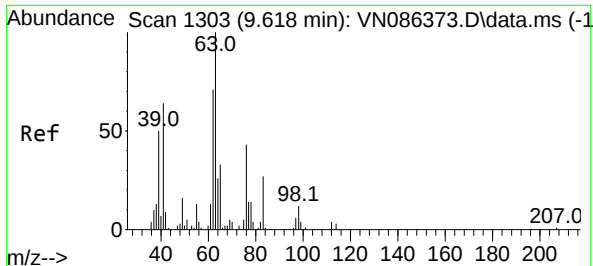
Ion Ratio Lower Upper

83 100

55 73.2 37.3 111.9

98 49.0 23.8 71.5





#39

1,2-Dichloropropane

Concen: 20.195 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN086374.D

Acq: 23 Apr 2025 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 63 Resp: 2639

Ion Ratio Lower Upper

63 100

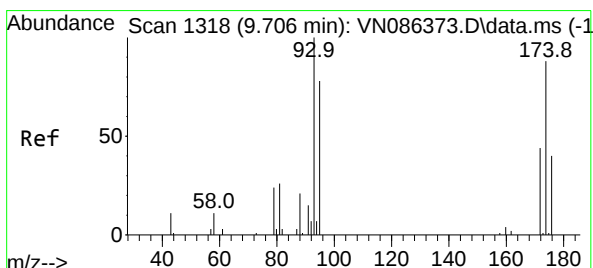
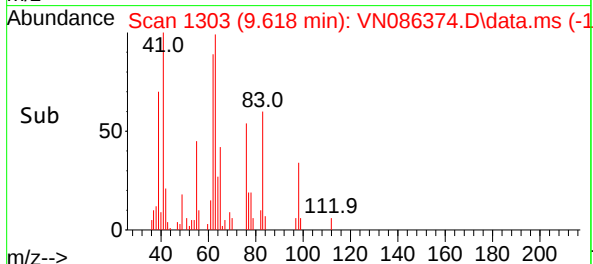
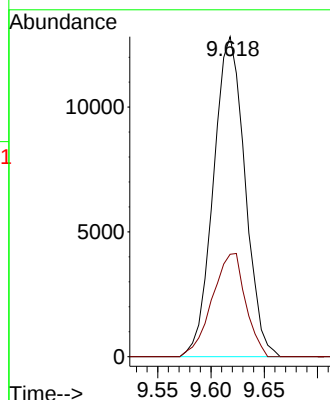
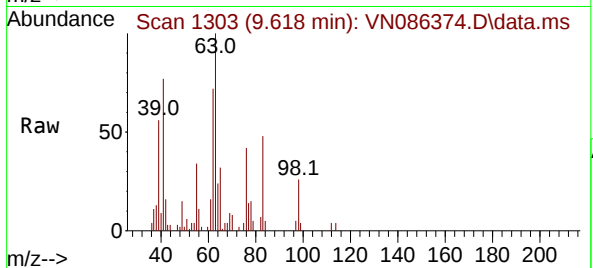
65 32.0 26.7 40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#40

Dibromomethane

Concen: 20.201 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN086374.D

Acq: 23 Apr 2025 10:09

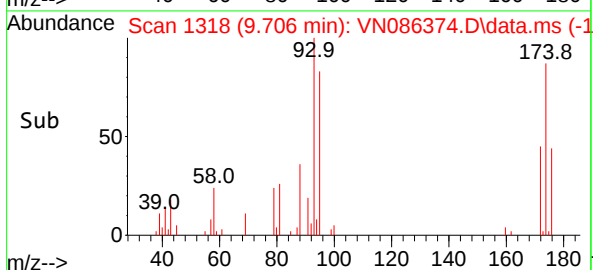
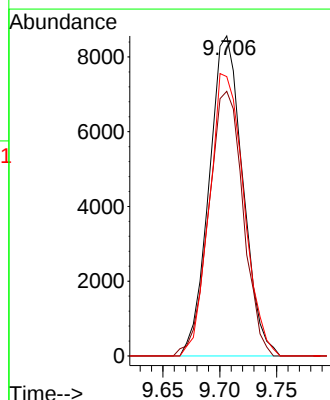
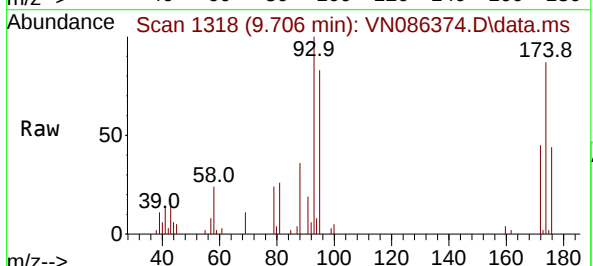
Tgt Ion: 93 Resp: 17655

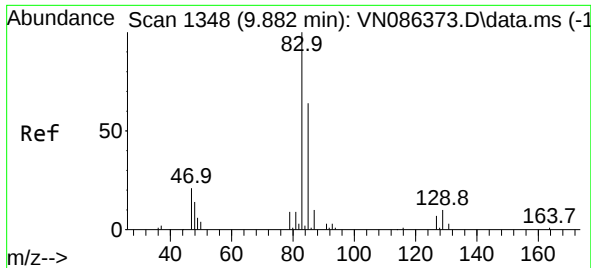
Ion Ratio Lower Upper

93 100

95 84.3 0.0 159.2

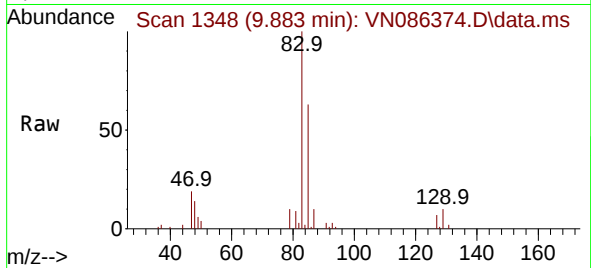
174 90.3 0.0 171.4





#41
Bromodichloromethane
Concen: 21.057 ug/l
RT: 9.883 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

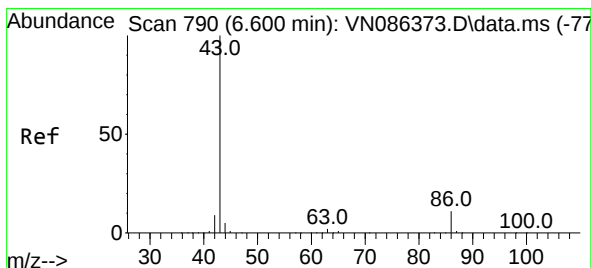
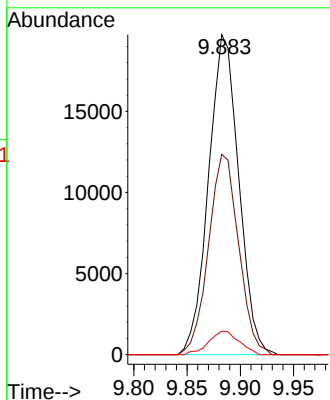
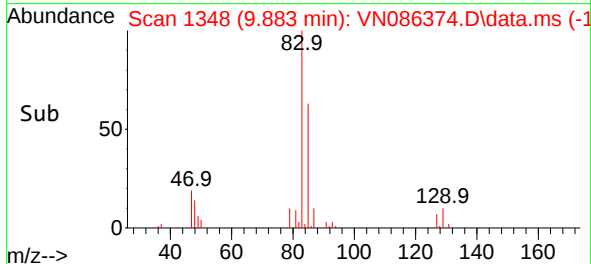
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion: 83 Resp: 3894
Ion Ratio Lower Upper
83 100
85 62.6 51.1 76.7
127 7.4 5.9 8.9

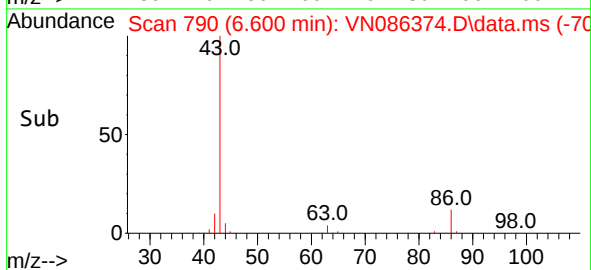
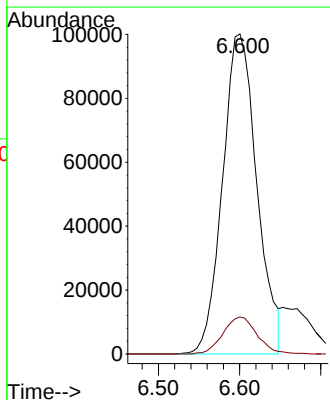
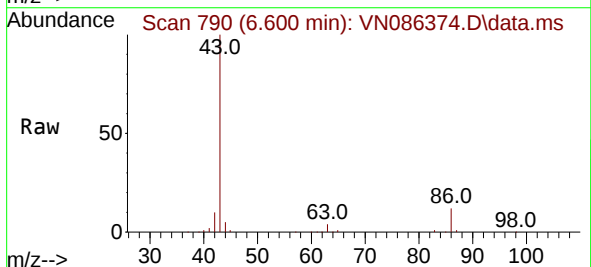
Manual Integrations
APPROVED

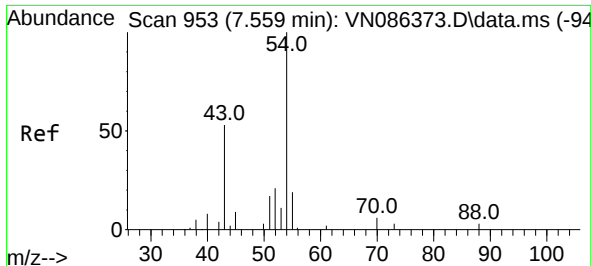
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#42
Vinyl Acetate
Concen: 105.371 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Tgt Ion: 43 Resp: 294660
Ion Ratio Lower Upper
43 100
86 11.4 8.9 13.3





#43

Ethyl Acetate

Concen: 21.158 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN086374.D

Acq: 23 Apr 2025 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 33800

Ion Ratio Lower Upper

43 100

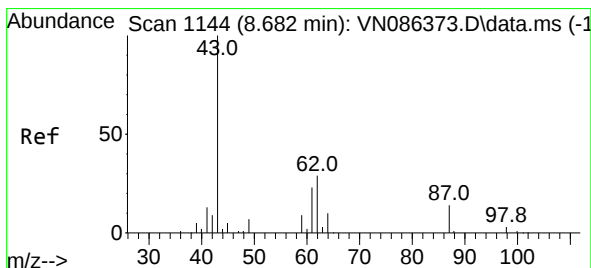
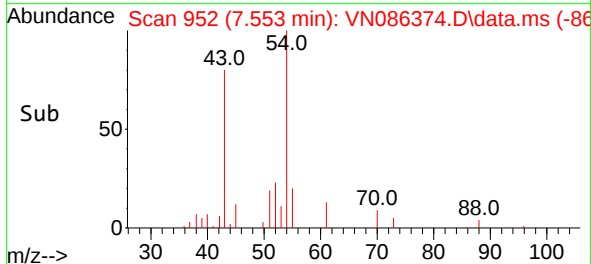
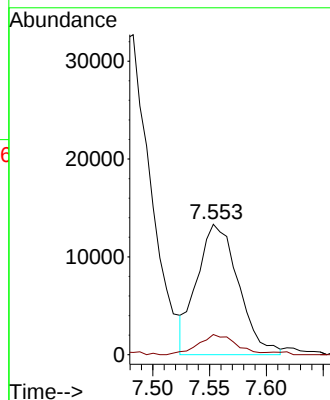
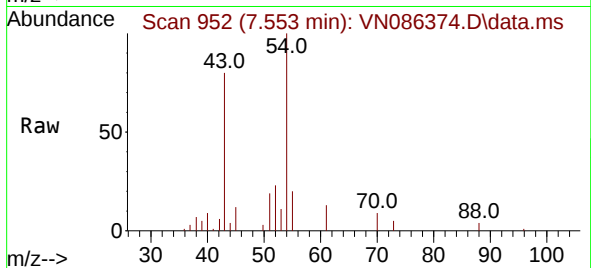
45 13.8 11.4 17.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#44

Isopropyl Acetate

Concen: 21.331 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VN086374.D

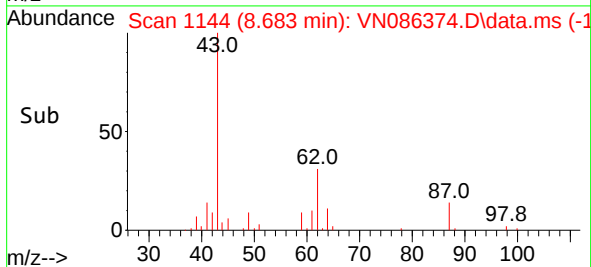
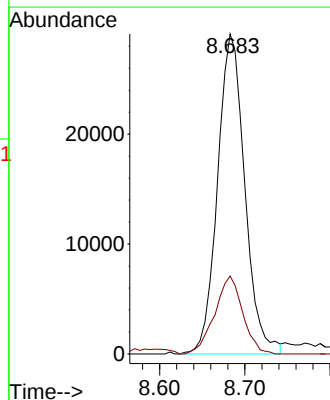
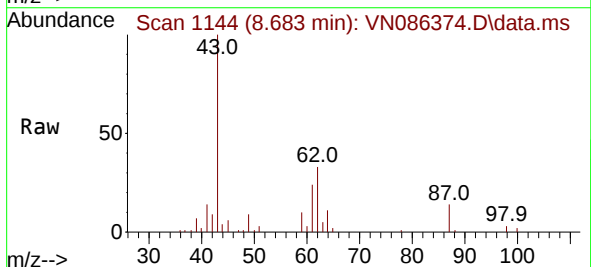
Acq: 23 Apr 2025 10:09

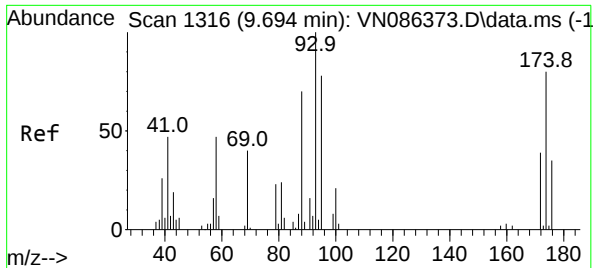
Tgt Ion: 43 Resp: 64676

Ion Ratio Lower Upper

43 100

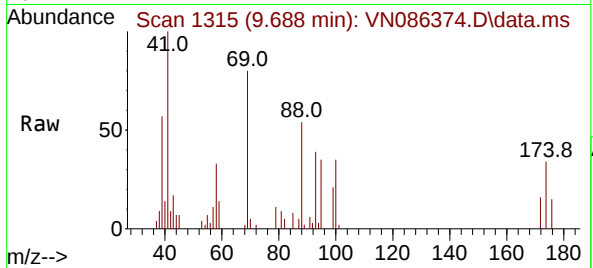
61 25.0 21.0 31.4





#45
1,4-Dioxane
Concen: 457.212 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. -0.006 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

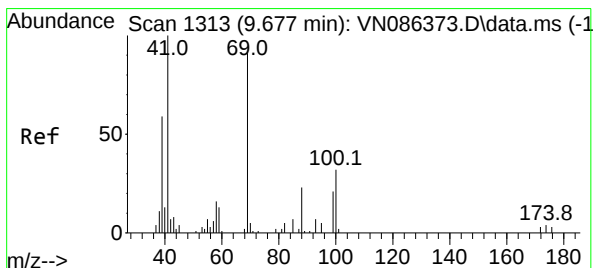
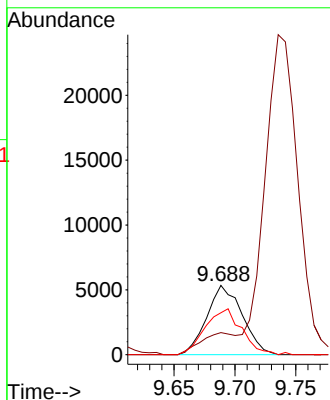
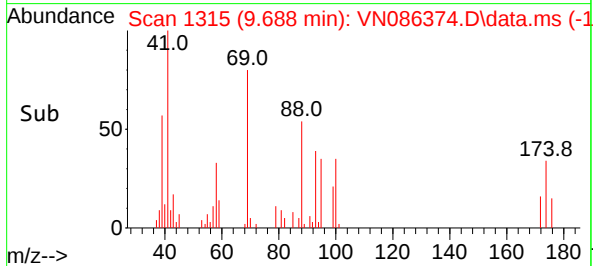
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



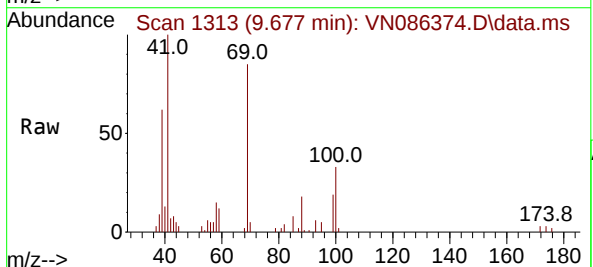
Tgt Ion: 88 Resp: 10810
Ion Ratio Lower Upper
88 100
43 30.8 24.9 37.3
58 67.7 57.8 86.8

Manual Integrations
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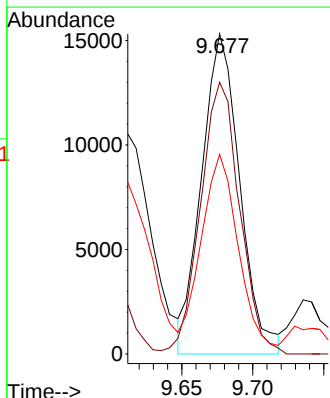
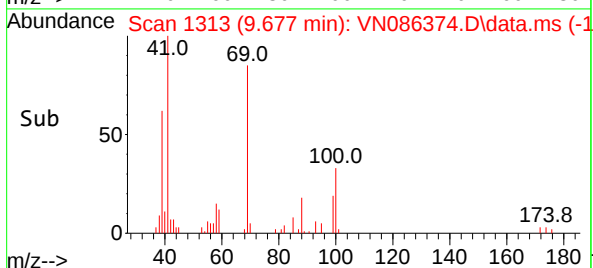
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

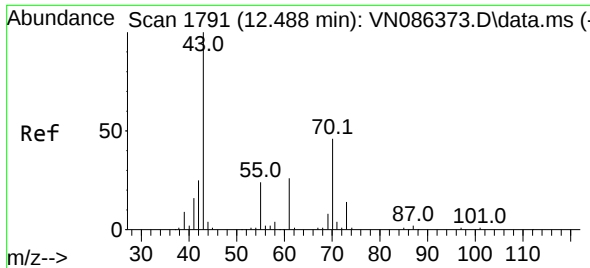


#46
Methyl methacrylate
Concen: 20.482 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09



Tgt Ion: 41 Resp: 28646
Ion Ratio Lower Upper
41 100
69 88.4 44.1 132.3
39 63.6 30.0 90.1





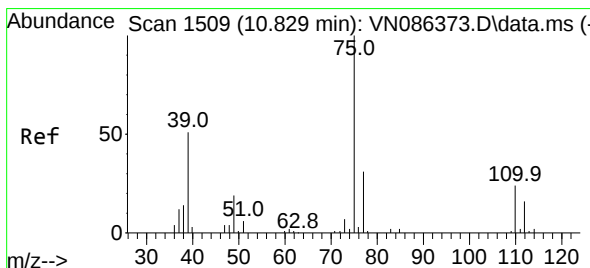
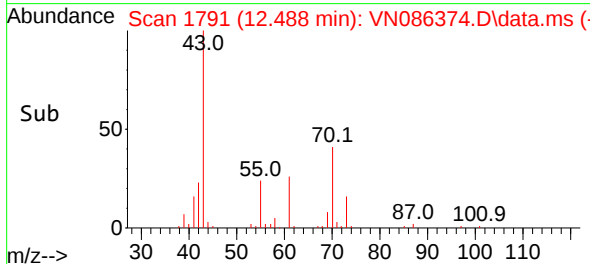
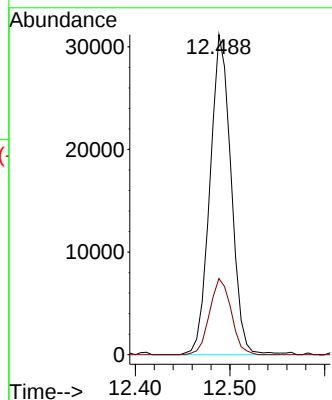
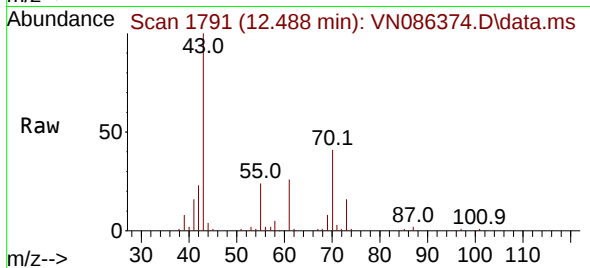
#47
n-amy1 Acetate
Concen: 18.661 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 48225
Ion Ratio Lower Upper
43 100
55 24.3 19.4 29.0

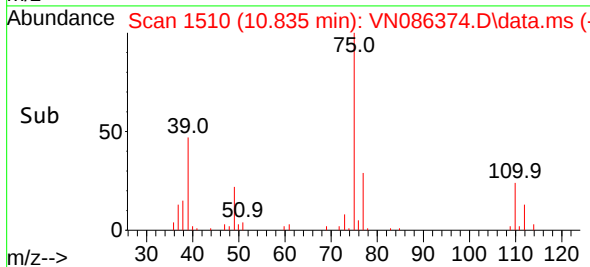
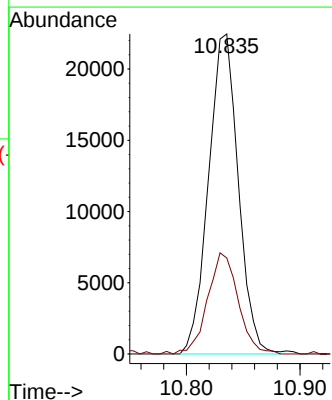
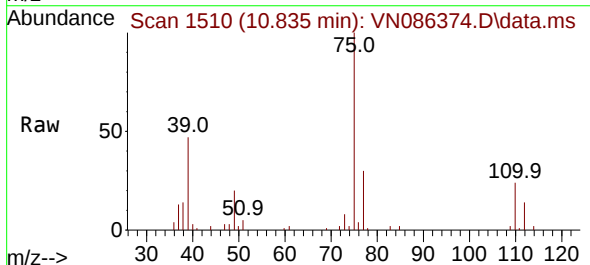
Manual Integrations
APPROVED

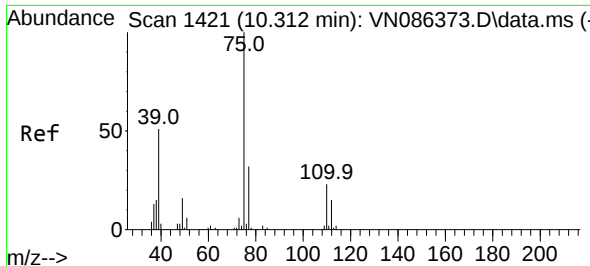
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#48
t-1,3-Dichloropropene
Concen: 19.784 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.006 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Tgt Ion: 75 Resp: 40906
Ion Ratio Lower Upper
75 100
77 30.0 24.4 36.6





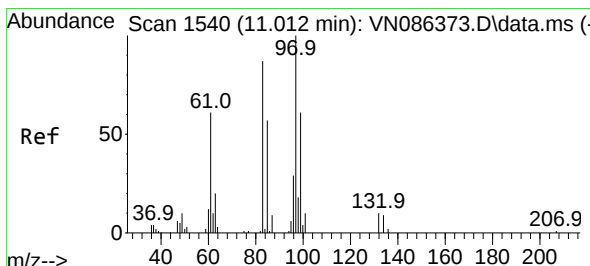
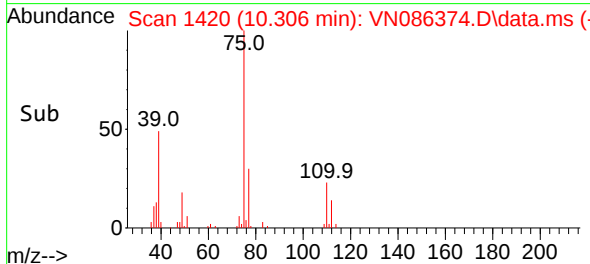
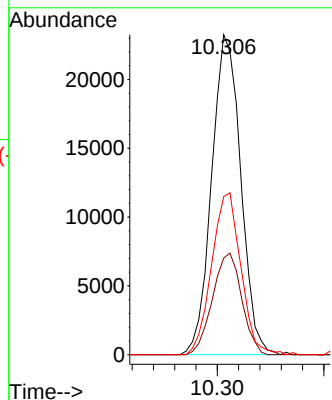
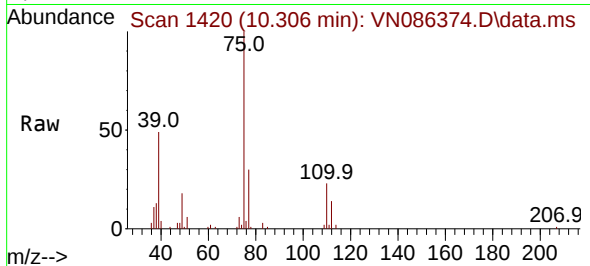
#49
 cis-1,3-Dichloropropene
 Concen: 20.217 ug/l
 RT: 10.306 min Scan# 1420
 Delta R.T. -0.006 min
 Lab File: VN086374.D
 Acq: 23 Apr 2025 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 75 Resp: 4408
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.6 38.4
 39 49.4 40.6 60.8

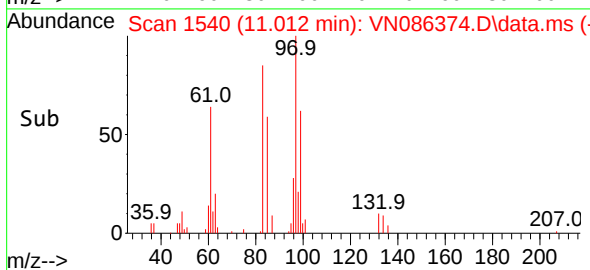
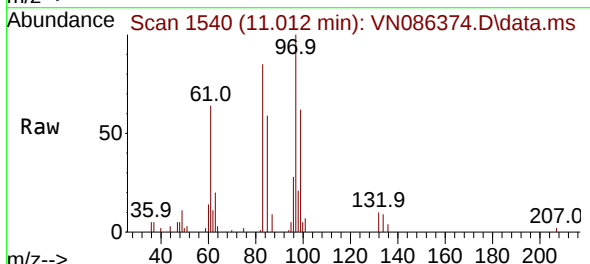
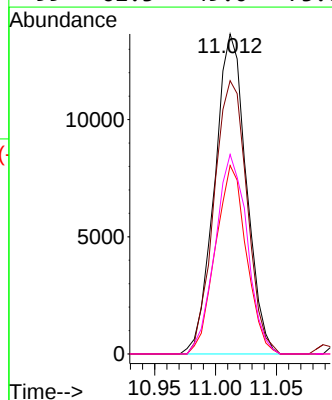
Manual Integrations
 APPROVED

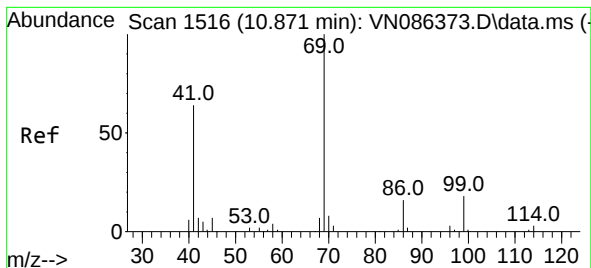
Reviewed By :John Carlone 04/24/2025
 Supervised By :Mahesh Dadoda 04/25/2025



#50
 1,1,2-Trichloroethane
 Concen: 20.259 ug/l
 RT: 11.012 min Scan# 1540
 Delta R.T. 0.000 min
 Lab File: VN086374.D
 Acq: 23 Apr 2025 10:09

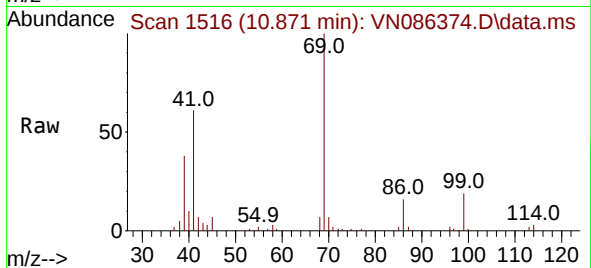
Tgt Ion: 97 Resp: 24730
 Ion Ratio Lower Upper
 97 100
 83 85.4 69.3 103.9
 85 58.9 45.5 68.3
 99 62.3 49.0 73.6





#51
Ethyl methacrylate
Concen: 19.798 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

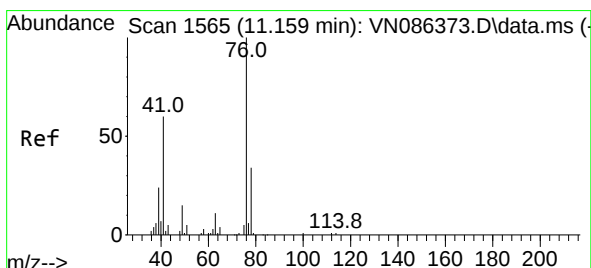
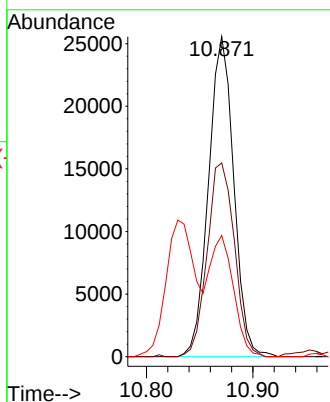
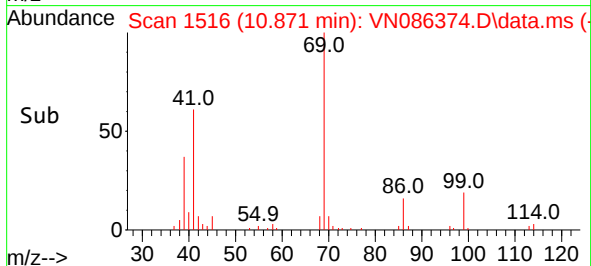
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



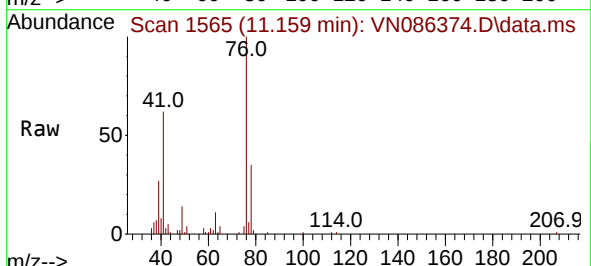
Tgt Ion: 69 Resp: 4209
Ion Ratio Lower Upper
69 100
41 60.5 32.3 96.8
39 37.8 19.1 57.1

Manual Integrations
APPROVED

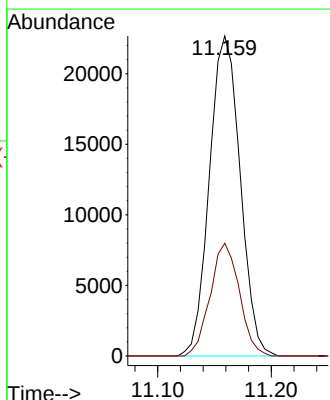
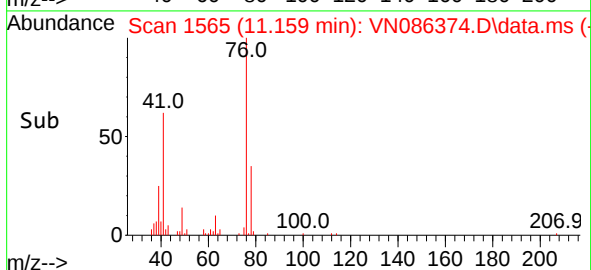
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

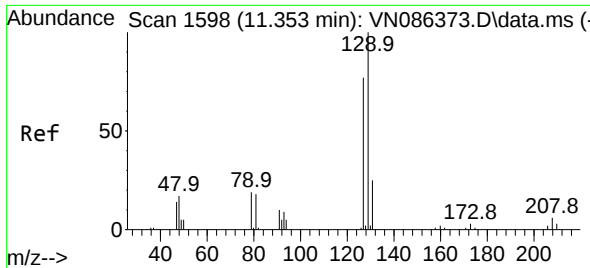


#52
1,3-Dichloropropane
Concen: 19.762 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09



Tgt Ion: 76 Resp: 42636
Ion Ratio Lower Upper
76 100
78 33.5 0.0 65.6





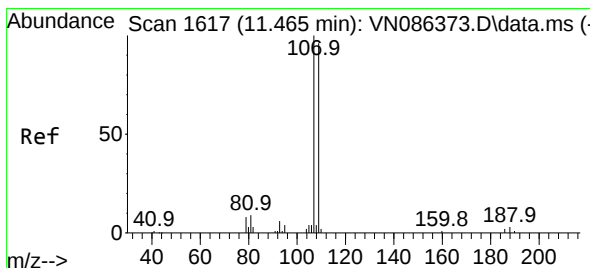
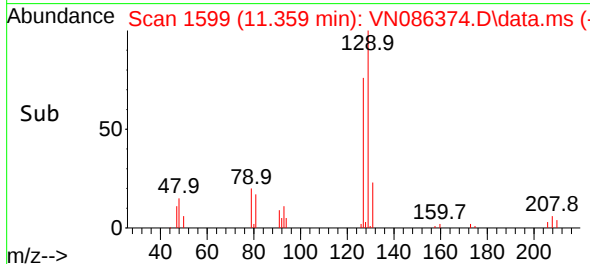
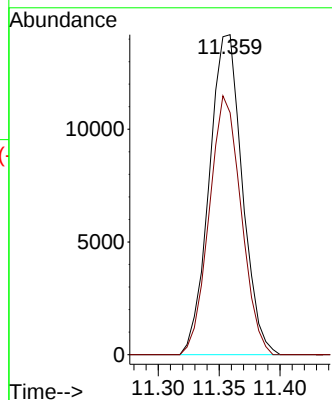
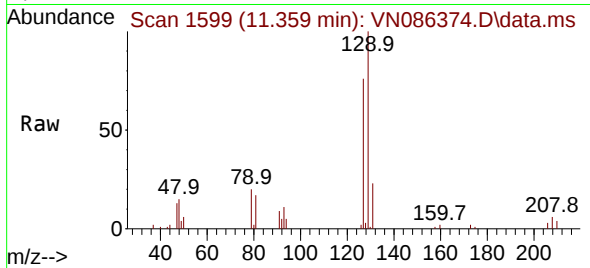
#53
Dibromochloromethane
Concen: 19.547 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:129 Resp: 26793
Ion Ratio Lower Upper
129 100
127 78.2 38.8 116.3

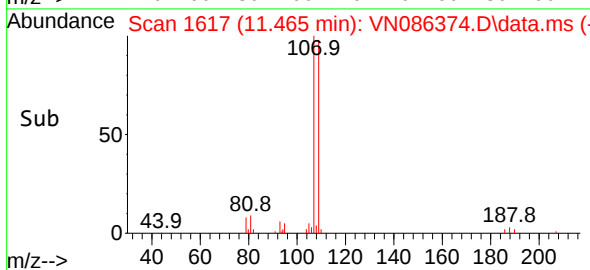
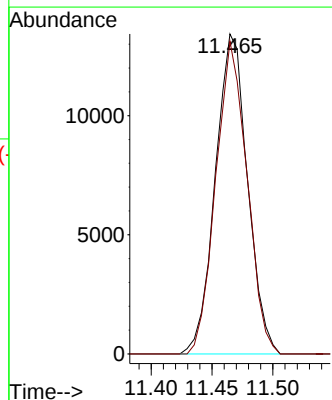
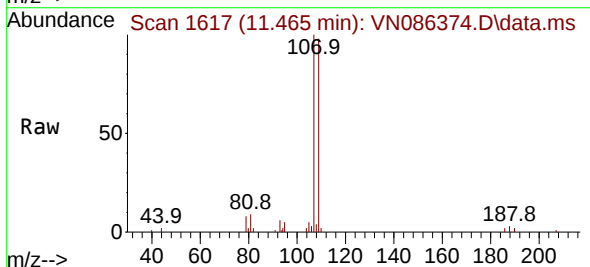
Manual Integrations
APPROVED

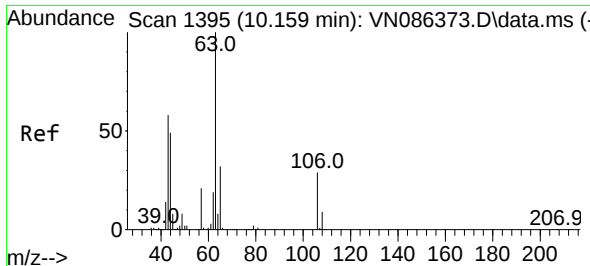
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#54
1,2-Dibromoethane
Concen: 19.902 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Tgt Ion:107 Resp: 24702
Ion Ratio Lower Upper
107 100
109 94.6 75.4 113.0





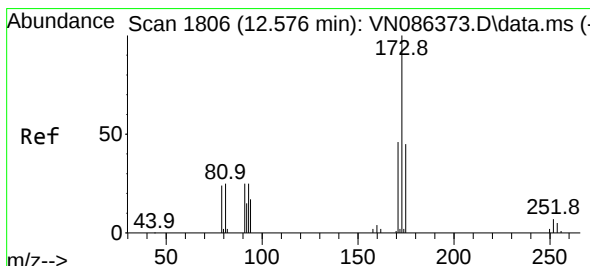
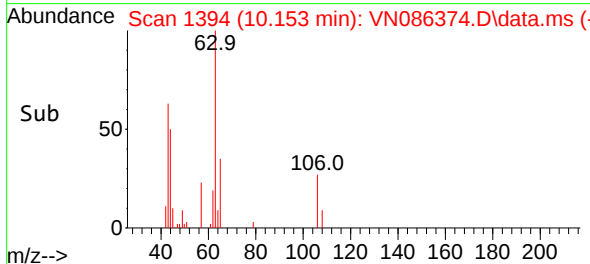
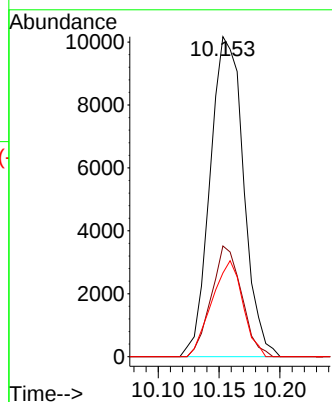
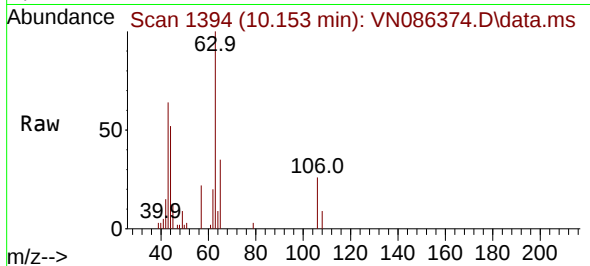
#55
2-Chloroethyl vinyl ether
Concen: 19.438 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 19429
Ion Ratio Lower Upper
63 100
65 31.4 25.7 38.5
106 27.9 22.3 33.5

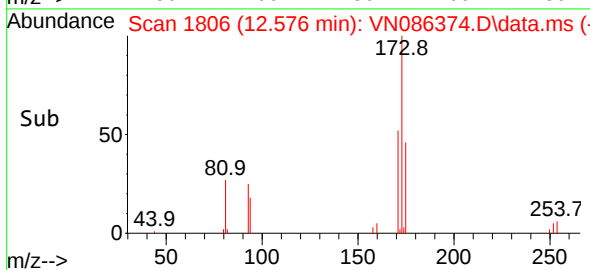
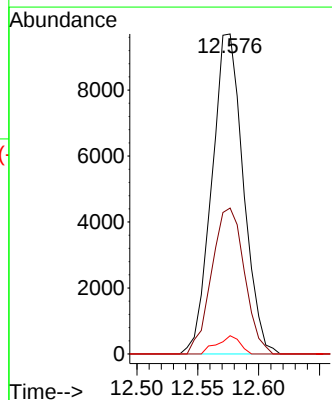
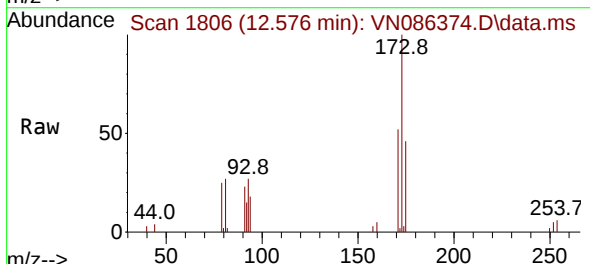
Manual Integrations
APPROVED

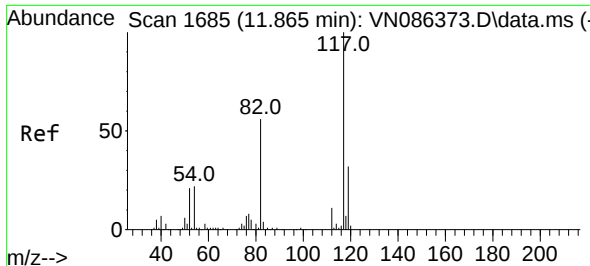
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#56
Bromoform
Concen: 19.592 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Tgt Ion:173 Resp: 17427
Ion Ratio Lower Upper
173 100
175 47.4 39.0 58.6
254 4.1 3.8 5.6





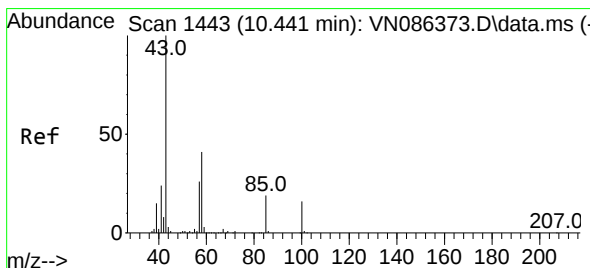
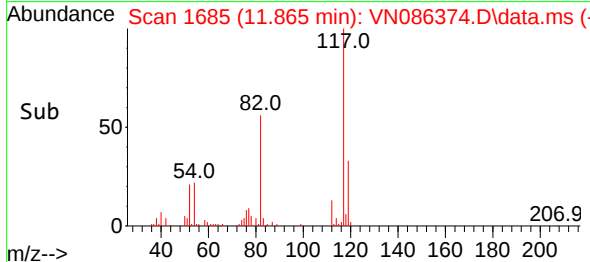
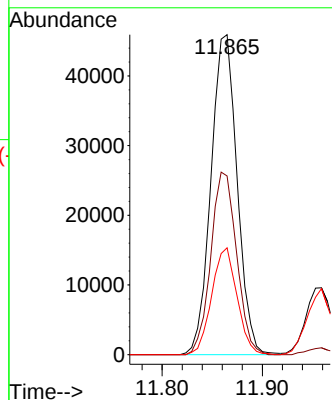
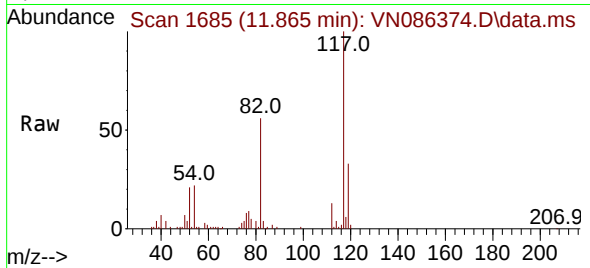
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 83208
Ion Ratio Lower Upper
117 100
82 56.3 45.5 68.3
119 32.3 25.9 38.9

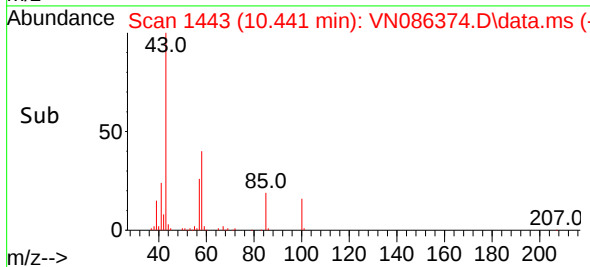
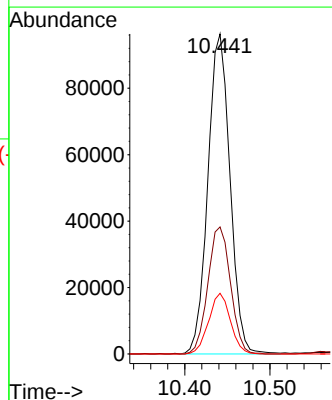
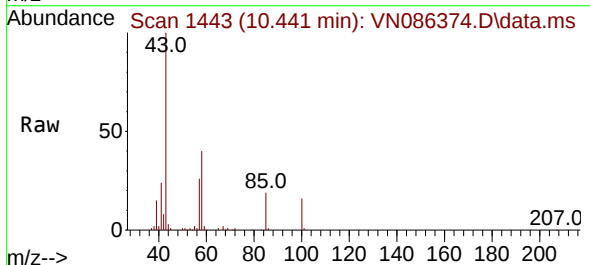
Manual Integrations
APPROVED

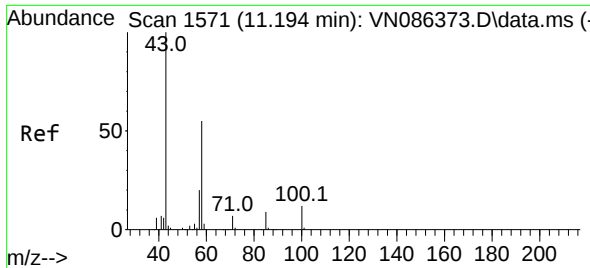
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#58
4-Methyl-2-Pentanone
Concen: 108.057 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Tgt Ion: 43 Resp: 173992
Ion Ratio Lower Upper
43 100
58 40.6 33.0 49.6
85 18.6 14.9 22.3





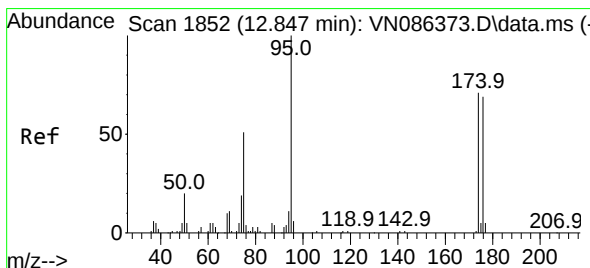
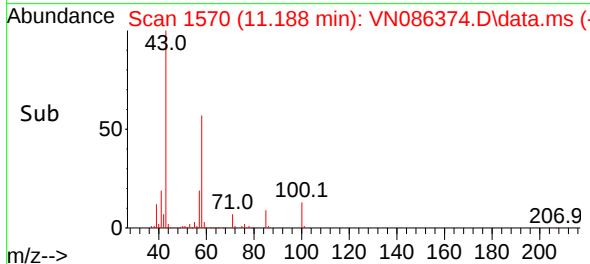
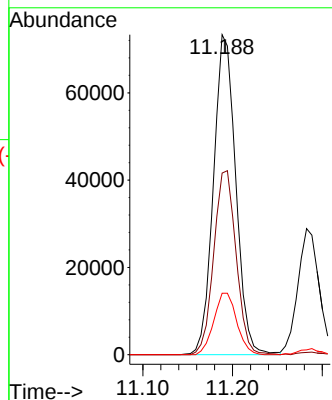
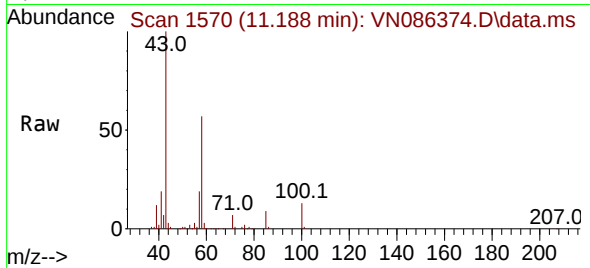
#59
2-Hexanone
Concen: 106.724 ug/l
RT: 11.188 min Scan# 1570
Delta R.T. -0.006 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 126638
Ion Ratio Lower Upper
43 100
58 57.6 45.0 67.6
57 19.8 15.5 23.3

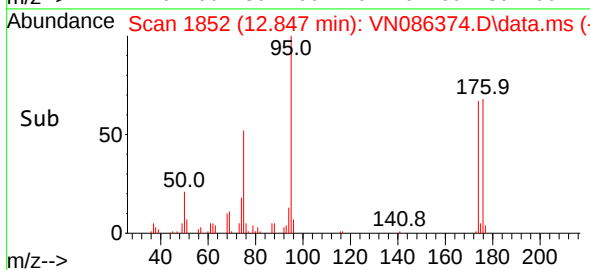
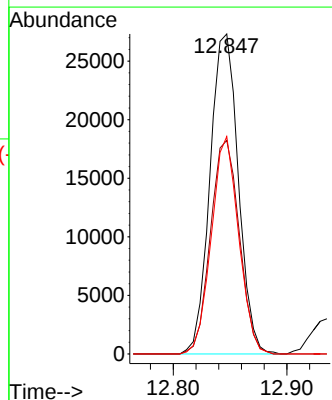
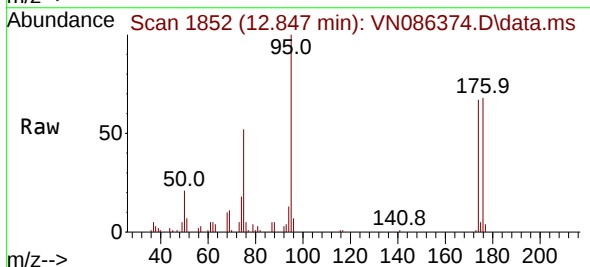
Manual Integrations
APPROVED

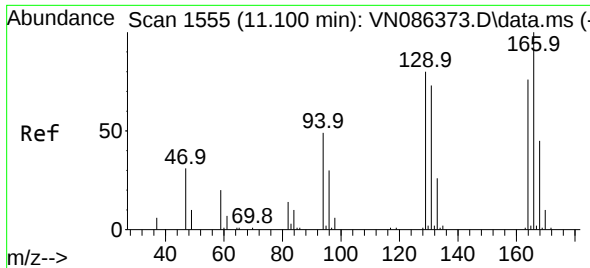
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#60
4-Bromofluorobenzene
Concen: 28.975 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

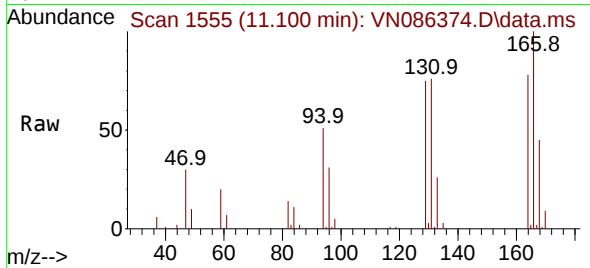
Tgt Ion: 95 Resp: 47386
Ion Ratio Lower Upper
95 100
174 67.9 56.6 84.8
176 65.4 53.3 79.9





#61
Tetrachloroethene
Concen: 20.550 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

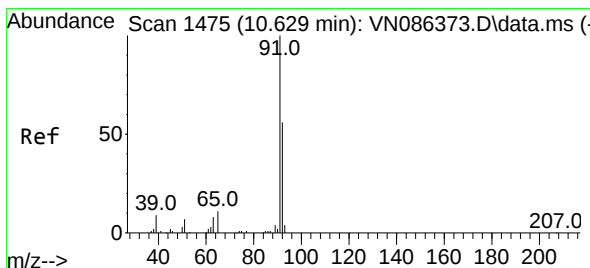
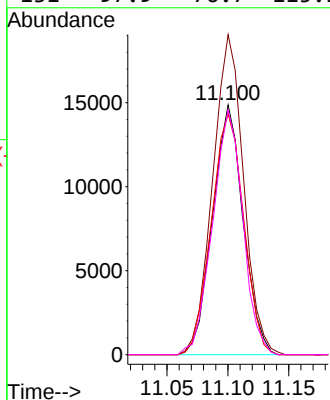
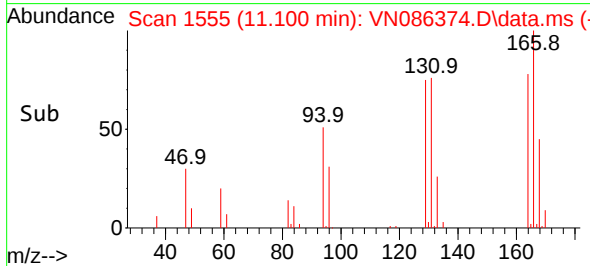
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



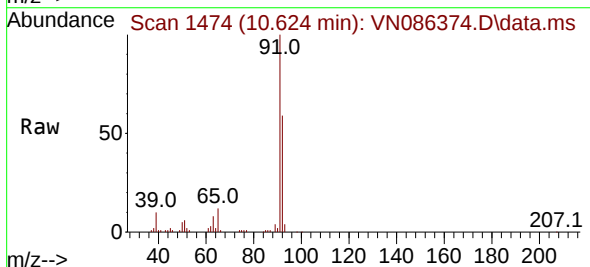
Tgt Ion:164 Resp: 26080
Ion Ratio Lower Upper
164 100
166 128.1 105.0 157.4
129 96.2 83.9 125.9
131 97.9 76.7 115.1

Manual Integrations
APPROVED

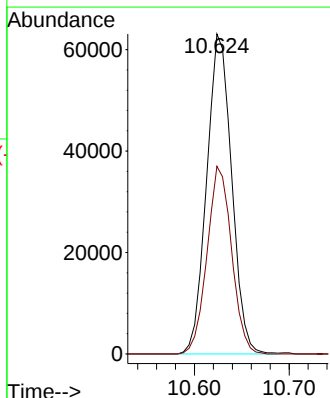
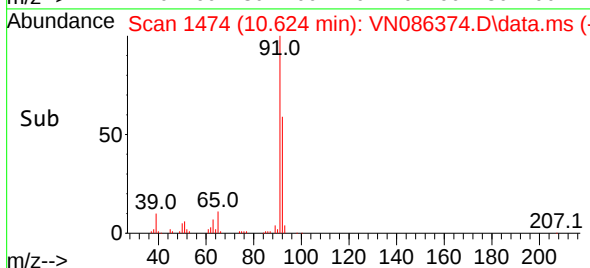
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

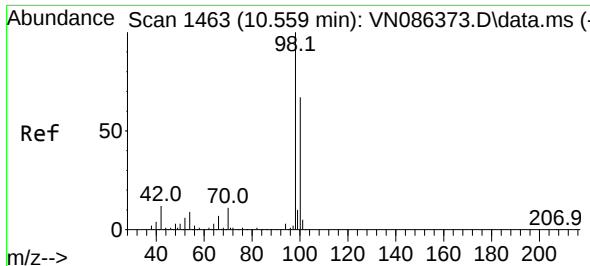


#62
Toluene
Concen: 20.747 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09



Tgt Ion: 91 Resp: 115551
Ion Ratio Lower Upper
91 100
92 57.6 45.7 68.5





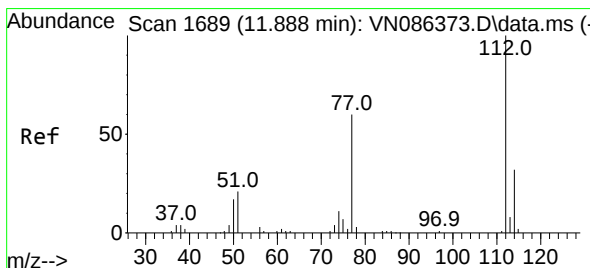
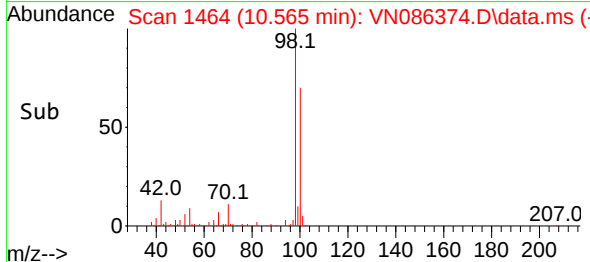
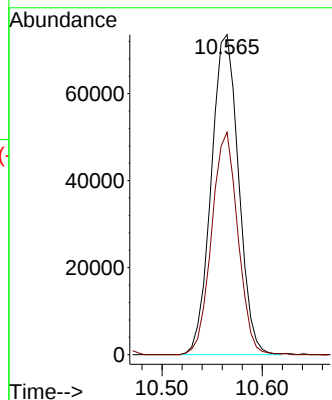
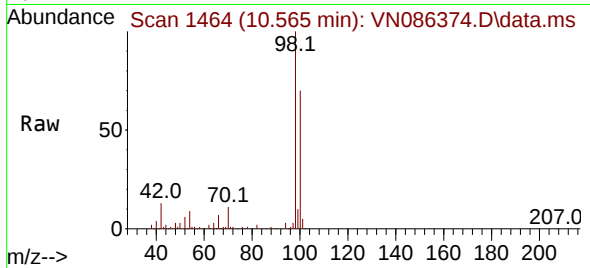
#63
Toluene-d8
Concen: 30.458 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 98 Resp: 139428
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7

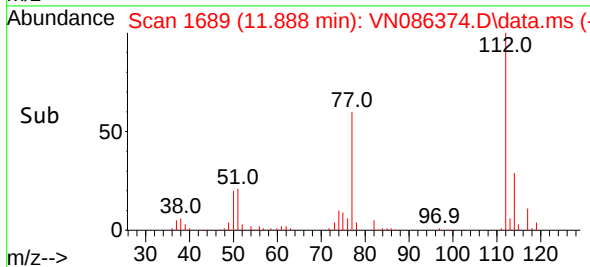
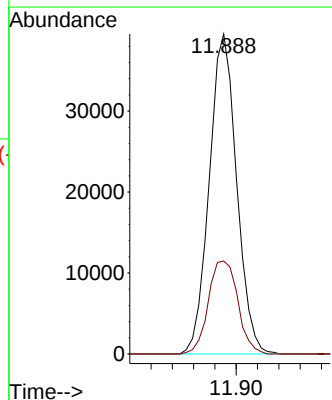
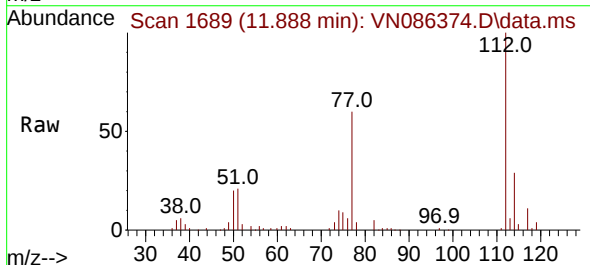
Manual Integrations
APPROVED

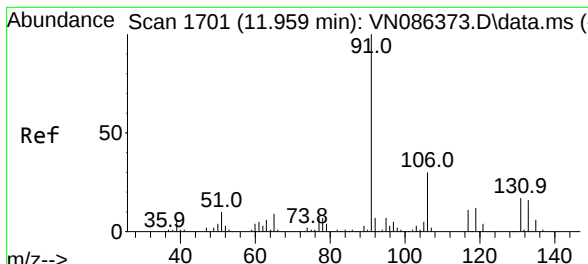
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#64
Chlorobenzene
Concen: 20.321 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Tgt Ion:112 Resp: 70523
Ion Ratio Lower Upper
112 100
114 29.1 25.6 38.4





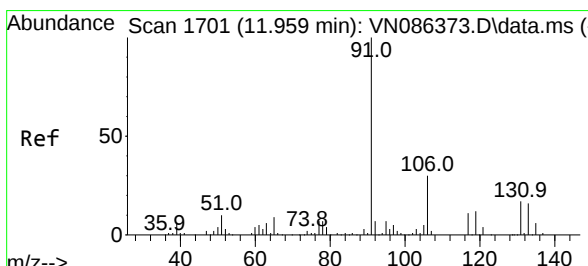
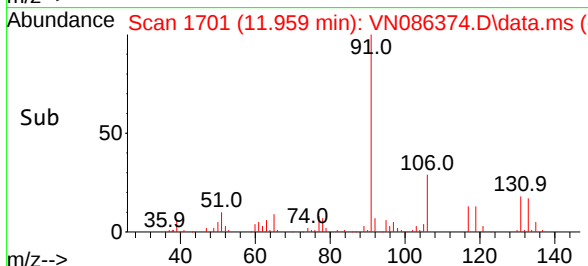
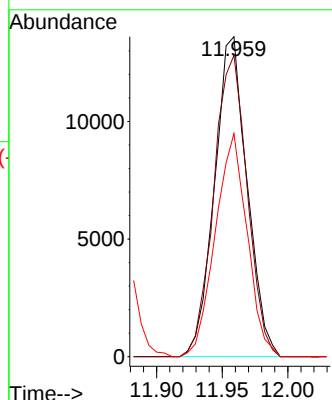
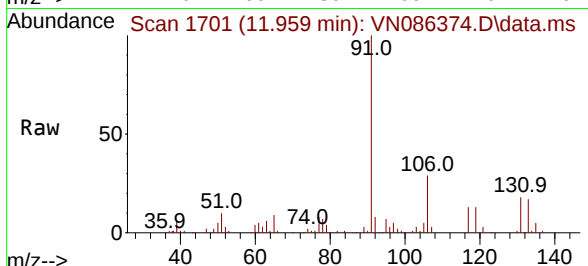
#65
1,1,1,2-Tetrachloroethane
Concen: 20.249 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:131 Resp: 2349
Ion Ratio Lower Upper
131 100
133 96.6 0.0 191.4
119 68.1 0.0 133.6

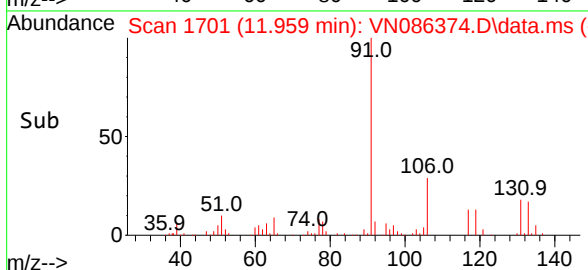
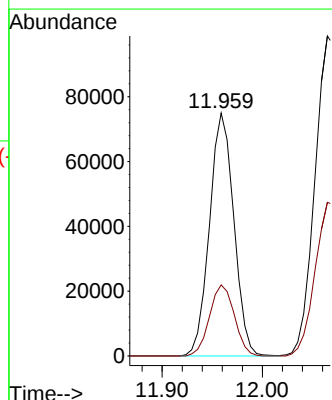
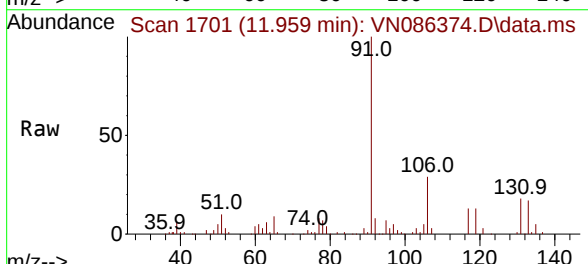
Manual Integrations
APPROVED

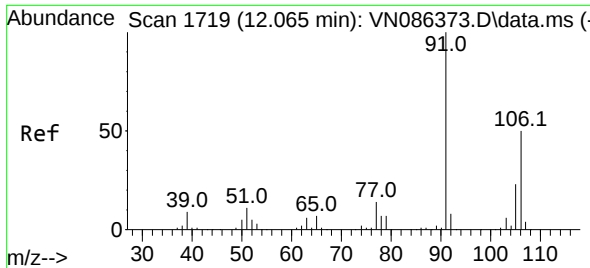
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#66
Ethyl Benzene
Concen: 20.200 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Tgt Ion: 91 Resp: 126637
Ion Ratio Lower Upper
91 100
106 29.3 24.3 36.5





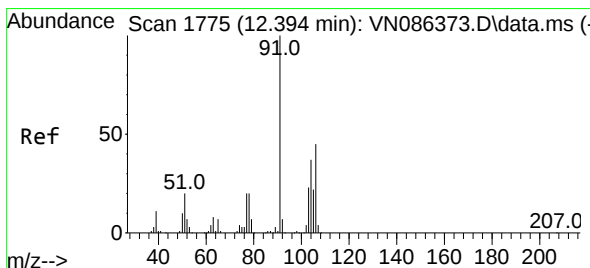
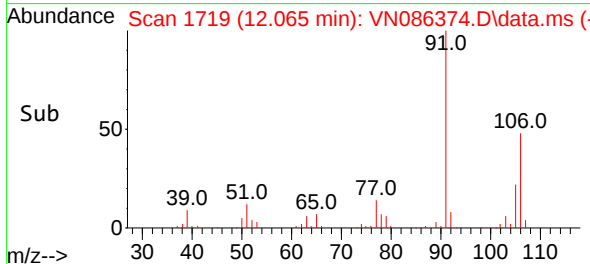
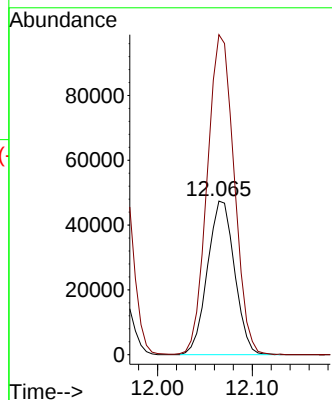
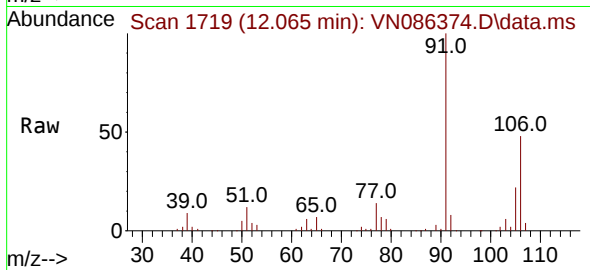
#67
m/p-Xylenes
Concen: 39.609 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 94219
Ion Ratio Lower Upper
106 100
91 206.9 162.6 243.8

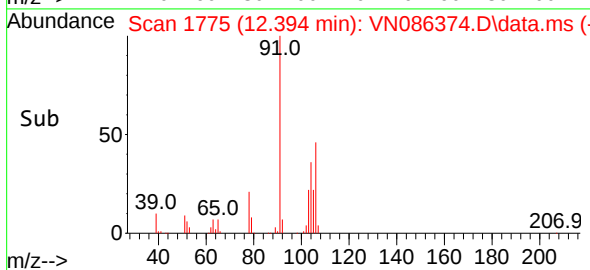
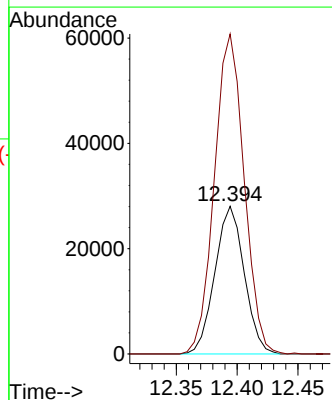
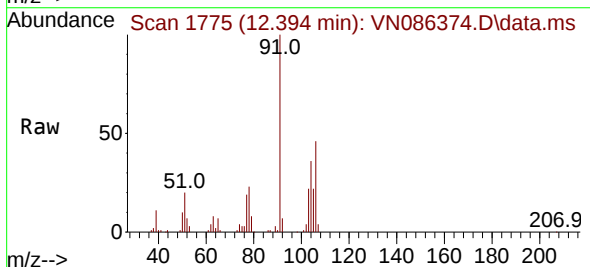
Manual Integrations
APPROVED

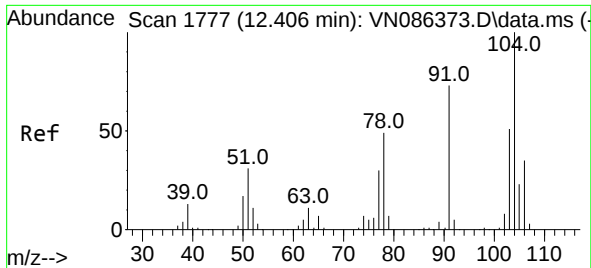
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#68
o-Xylene
Concen: 20.237 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Tgt Ion:106 Resp: 47134
Ion Ratio Lower Upper
106 100
91 219.2 110.6 331.6





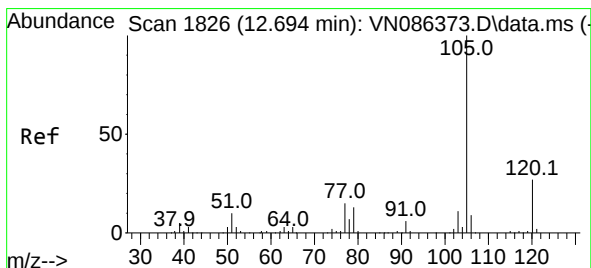
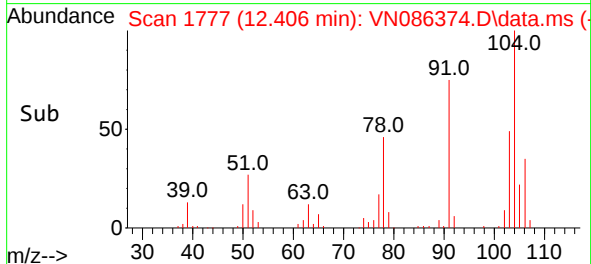
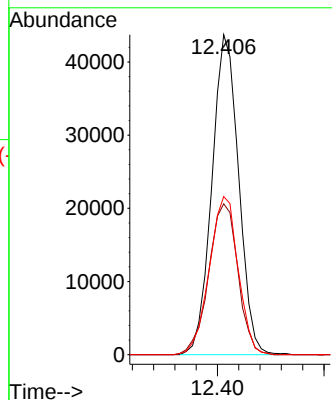
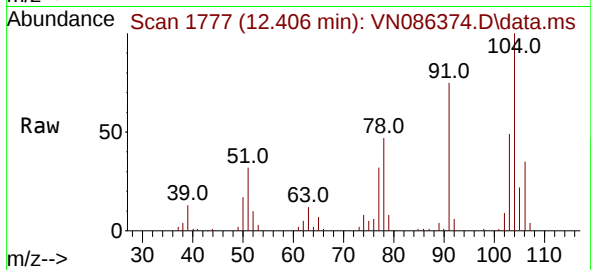
#69
Styrene
Concen: 19.323 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:104 Resp: 76280
Ion Ratio Lower Upper
104 100
78 51.4 40.2 60.4
103 53.1 43.8 65.8

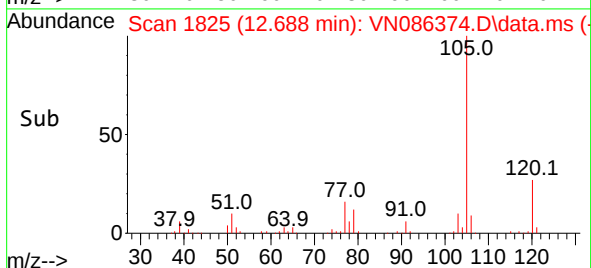
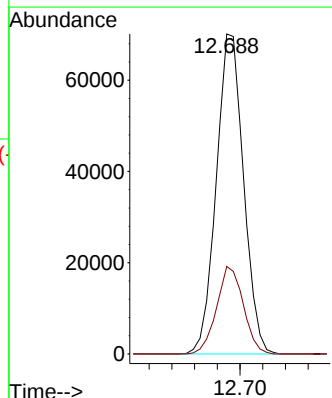
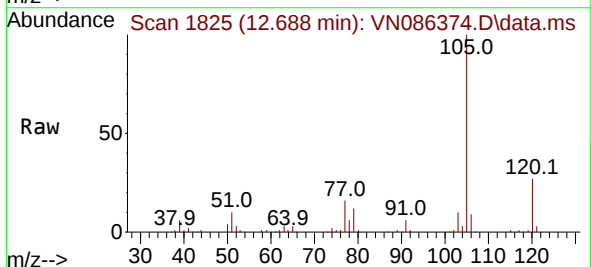
Manual Integrations
APPROVED

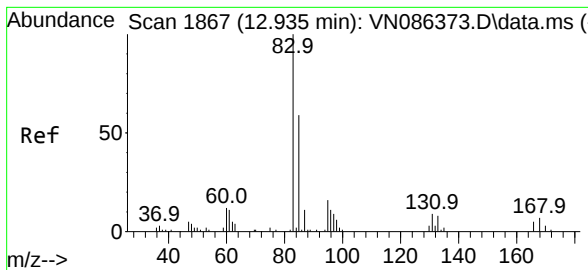
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#70
Isopropylbenzene
Concen: 20.128 ug/l
RT: 12.688 min Scan# 1825
Delta R.T. -0.006 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

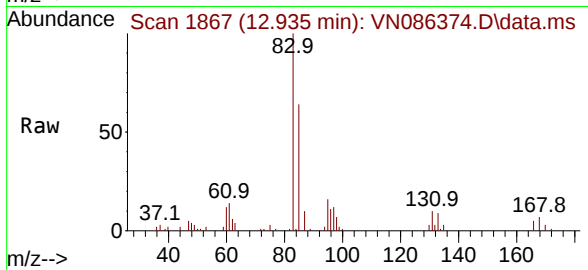
Tgt Ion:105 Resp: 117022
Ion Ratio Lower Upper
105 100
120 26.7 18.2 33.8





#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.319 ug/l
 RT: 12.935 min Scan# 1867
 Delta R.T. 0.000 min
 Lab File: VN086374.D
 Acq: 23 Apr 2025 10:09

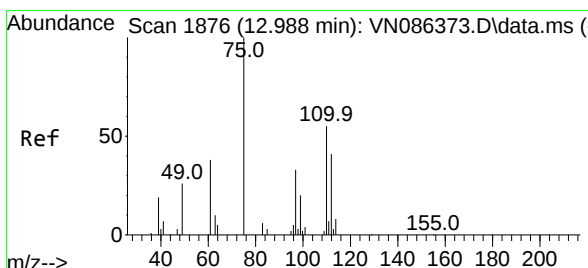
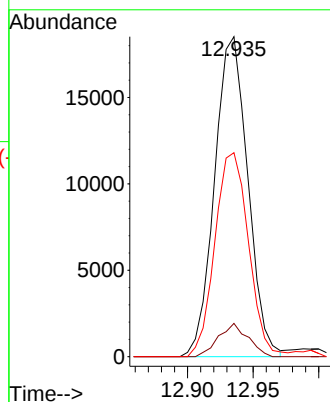
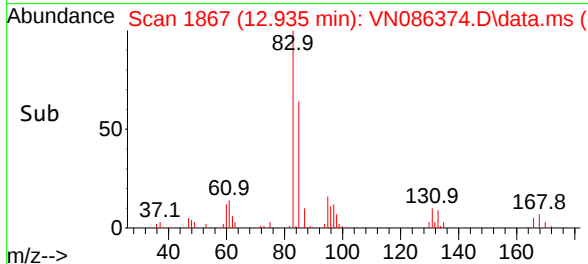
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020



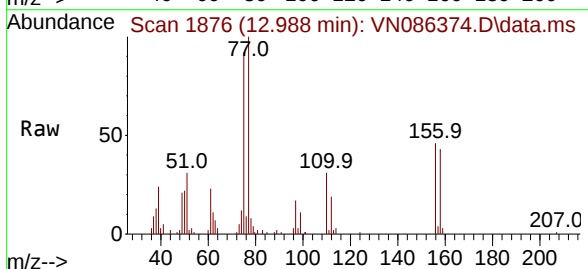
Tgt Ion: 83 Resp: 32630
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.5 13.7
 85 64.5 31.7 95.1

Manual Integrations
 APPROVED

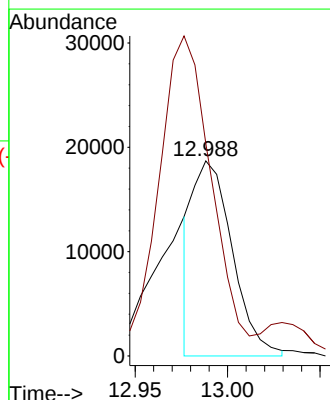
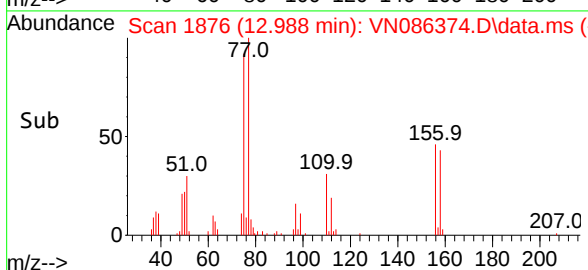
Reviewed By :John Carlone 04/24/2025
 Supervised By :Mahesh Dadoda 04/25/2025

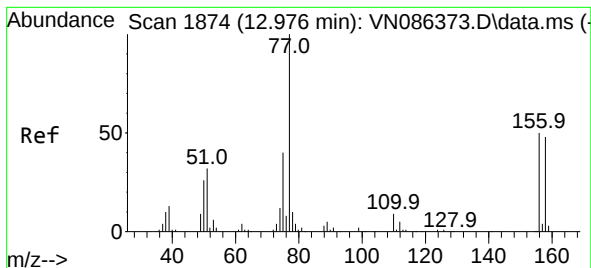


#72
 1,2,3-Trichloropropane
 Concen: 20.874 ug/l m
 RT: 12.988 min Scan# 1876
 Delta R.T. 0.000 min
 Lab File: VN086374.D
 Acq: 23 Apr 2025 10:09



Tgt Ion: 75 Resp: 27690
 Ion Ratio Lower Upper
 75 100
 77 219.9 0.0 464.4





#73

Bromobenzene

Concen: 19.586 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. 0.000 min

Lab File: VN086374.D

Acq: 23 Apr 2025 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

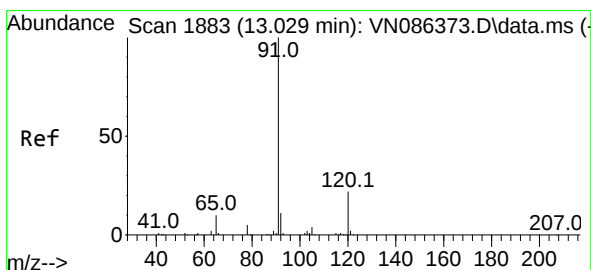
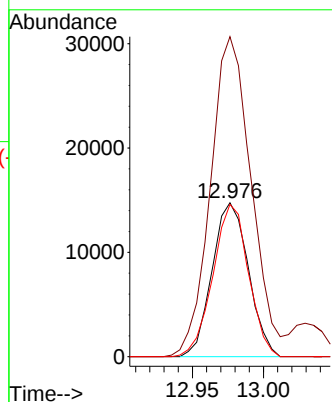
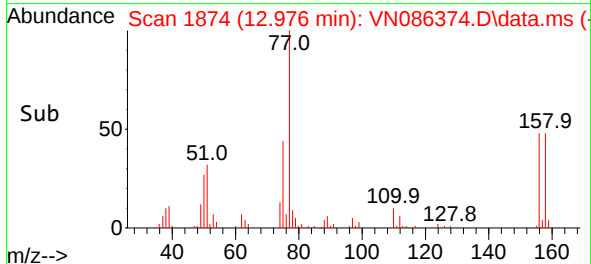
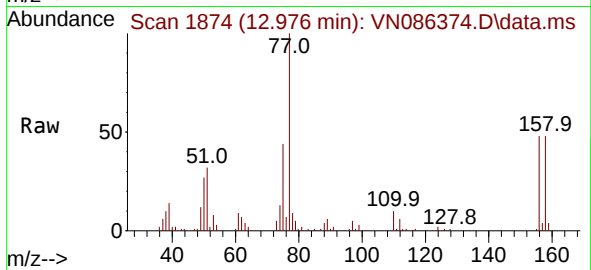
Tgt Ion:	156	Resp:	26179
Ion Ratio	Lower	Upper	
156	100		
77	232.6	0.0	463.4
158	97.0	0.0	191.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#74

n-propylbenzene

Concen: 19.928 ug/l

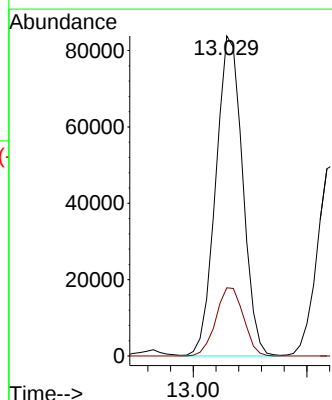
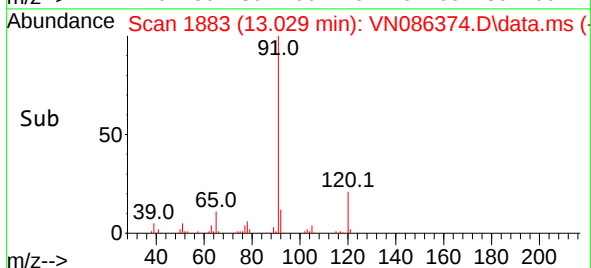
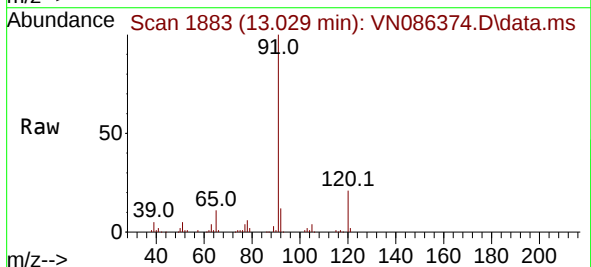
RT: 13.029 min Scan# 1883

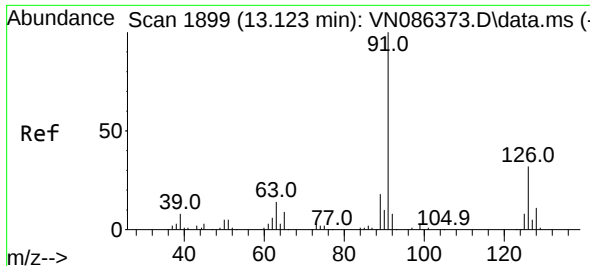
Delta R.T. 0.000 min

Lab File: VN086374.D

Acq: 23 Apr 2025 10:09

Tgt Ion:	91	Resp:	137677
Ion Ratio	Lower	Upper	
91	100		
120	21.8	0.0	43.8





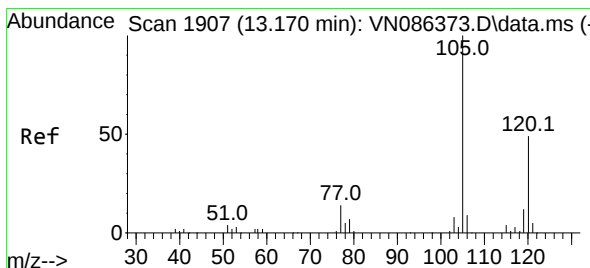
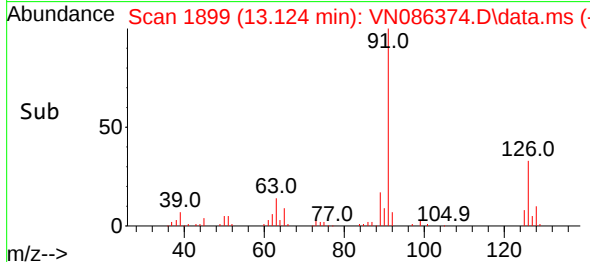
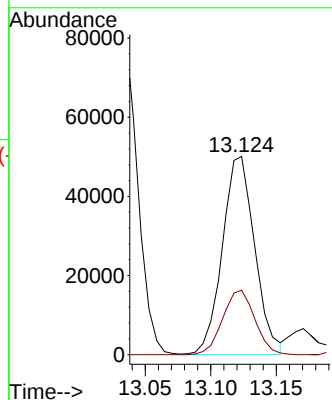
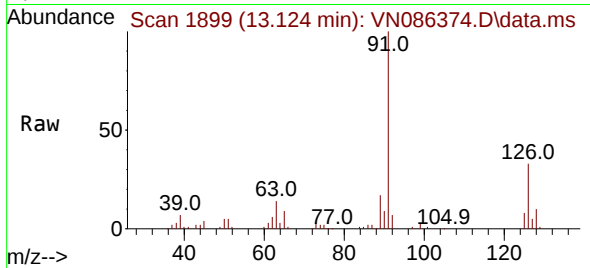
#75
2-Chlorotoluene
Concen: 19.983 ug/l
RT: 13.124 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 86184
Ion Ratio Lower Upper
91 100
126 32.2 0.0 65.0

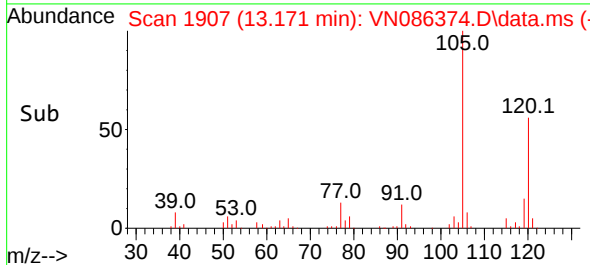
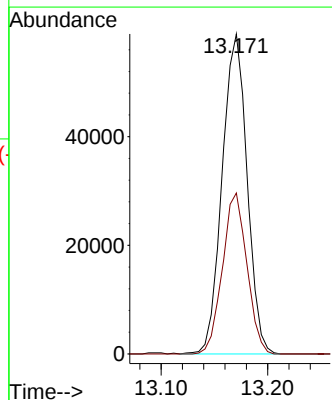
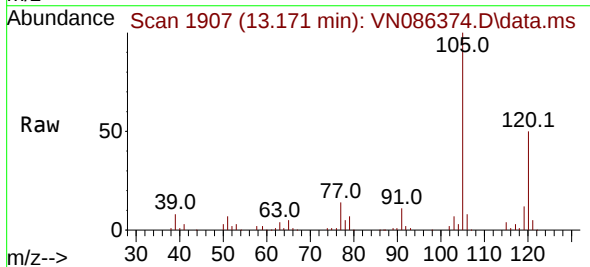
Manual Integrations
APPROVED

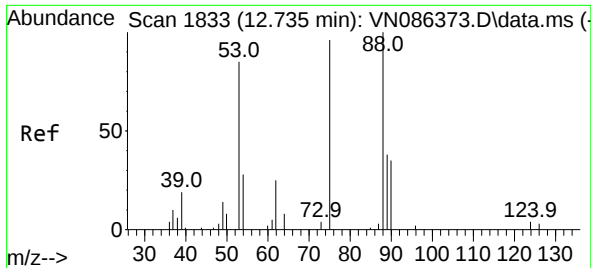
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#76
1,3,5-Trimethylbenzene
Concen: 20.052 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

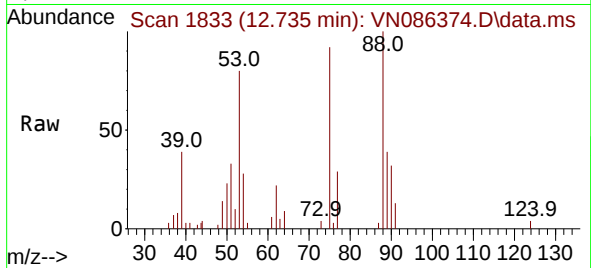
Tgt Ion:105 Resp: 95657
Ion Ratio Lower Upper
105 100
120 49.3 0.0 97.6





#77
t-1,4-Dichloro-2-butene
Concen: 18.998 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

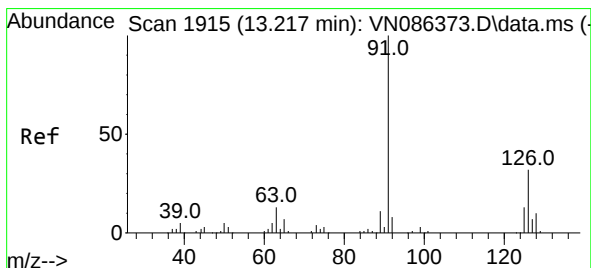
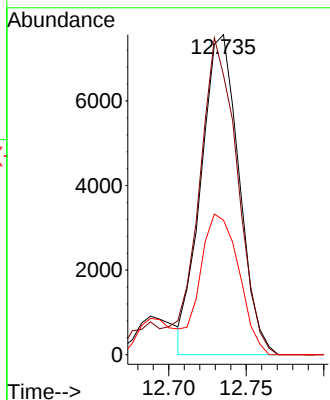
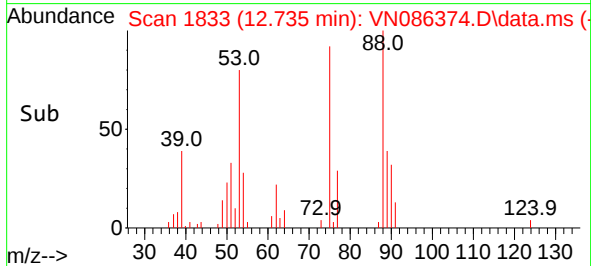
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 75 Resp: 1286
Ion Ratio Lower Upper
75 100
53 87.4 46.0 138.0
89 42.0 21.6 64.6

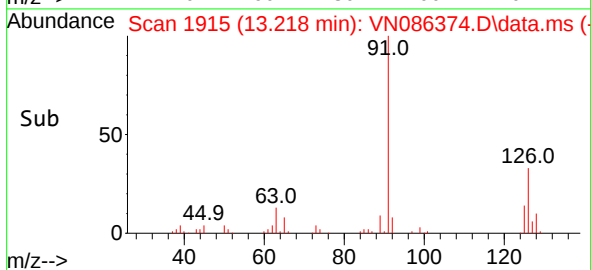
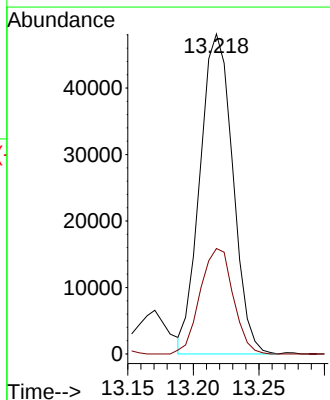
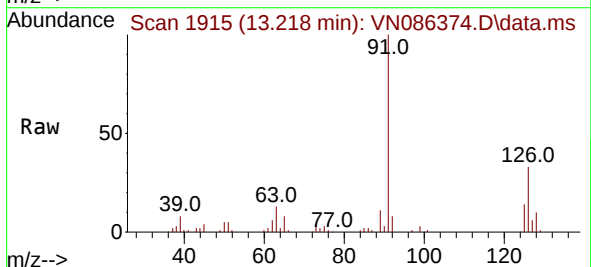
Manual Integrations
APPROVED

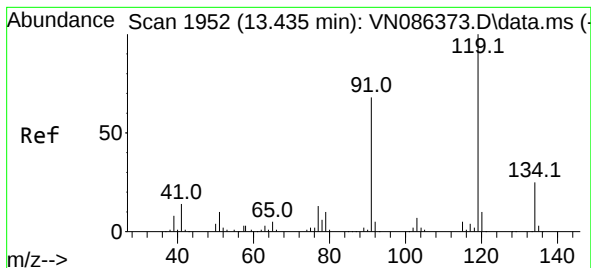
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#78
4-Chlorotoluene
Concen: 19.422 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Tgt Ion: 91 Resp: 83754
Ion Ratio Lower Upper
91 100
126 33.1 0.0 65.4





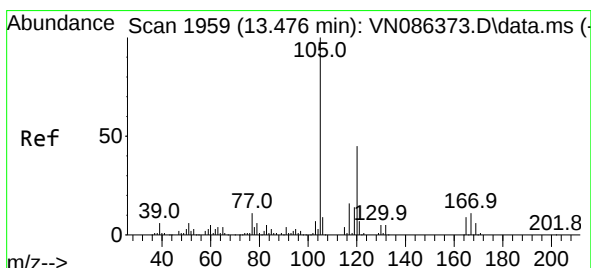
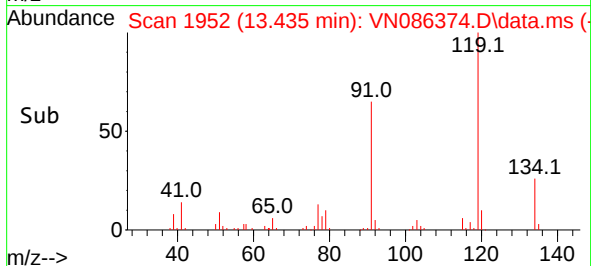
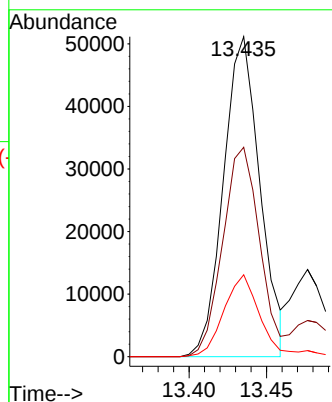
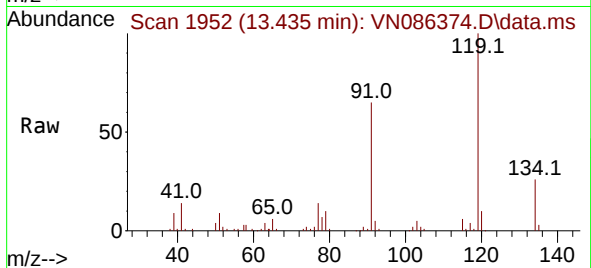
#79
tert-butylbenzene
Concen: 20.508 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:119 Resp: 8378
Ion Ratio Lower Upper
119 100
91 66.0 0.0 137.4
134 25.0 0.0 49.2

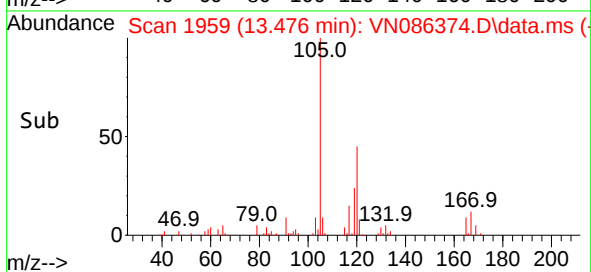
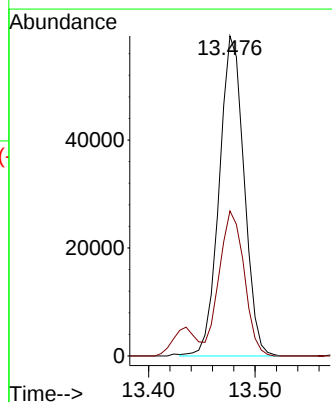
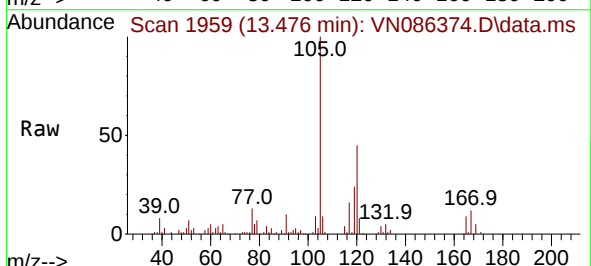
Manual Integrations
APPROVED

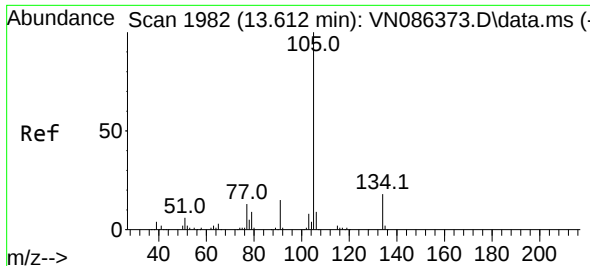
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#80
1,2,4-Trimethylbenzene
Concen: 19.688 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Tgt Ion:105 Resp: 95917
Ion Ratio Lower Upper
105 100
120 45.2 0.0 87.6





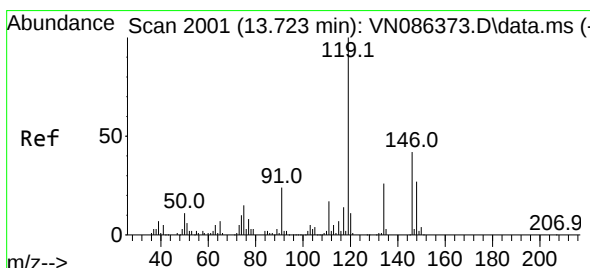
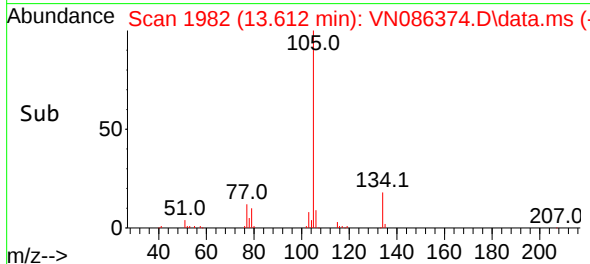
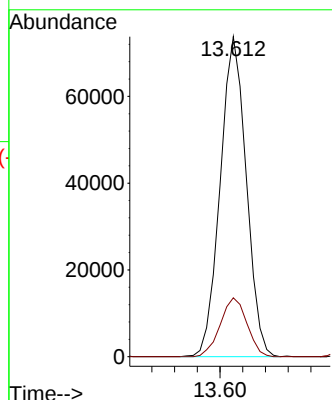
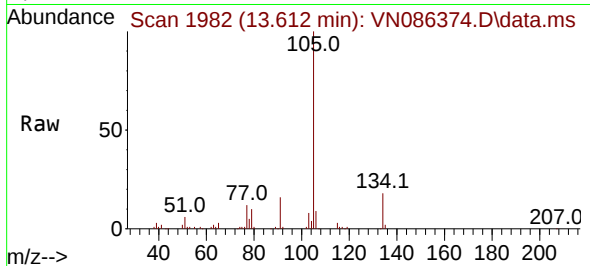
#81
 sec-Butylbenzene
 Concen: 20.147 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN086374.D
 Acq: 23 Apr 2025 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion:105 Resp: 117498
 Ion Ratio Lower Upper
 105 100
 134 18.9 0.0 38.4

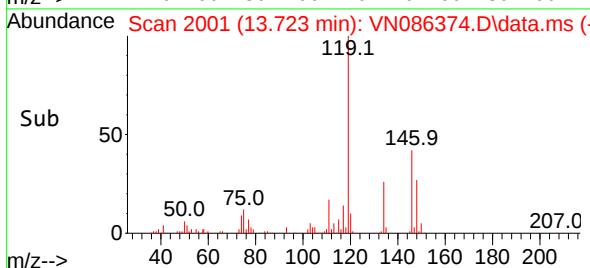
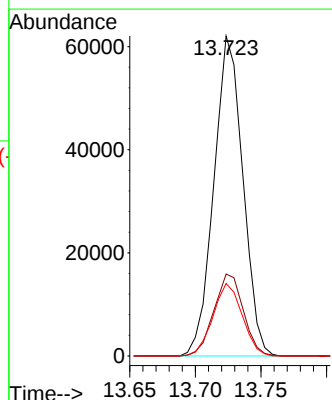
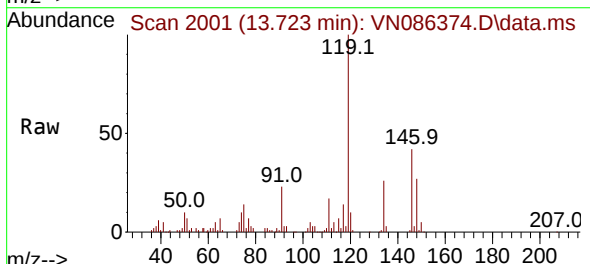
Manual Integrations
 APPROVED

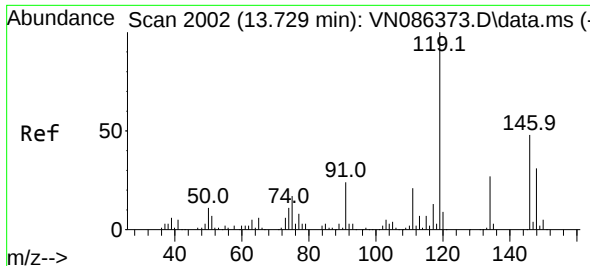
Reviewed By :John Carlone 04/24/2025
 Supervised By :Mahesh Dadoda 04/25/2025



#82
 p-Isopropyltoluene
 Concen: 19.535 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: VN086374.D
 Acq: 23 Apr 2025 10:09

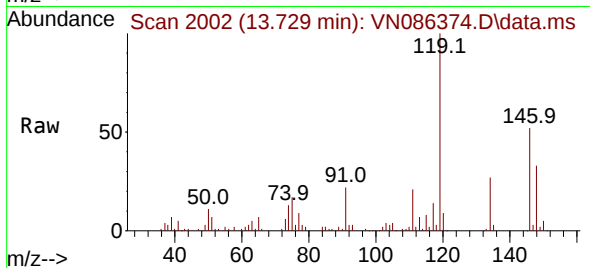
Tgt Ion:119 Resp: 95332
 Ion Ratio Lower Upper
 119 100
 134 26.1 0.0 52.2
 91 22.8 0.0 47.6





#83
1,3-Dichlorobenzene
Concen: 19.455 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

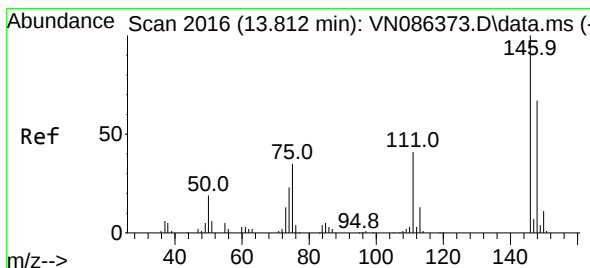
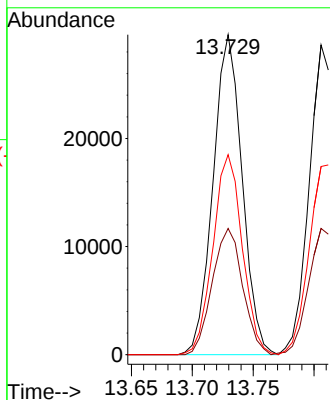
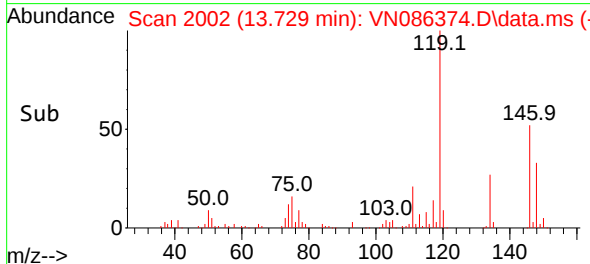
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



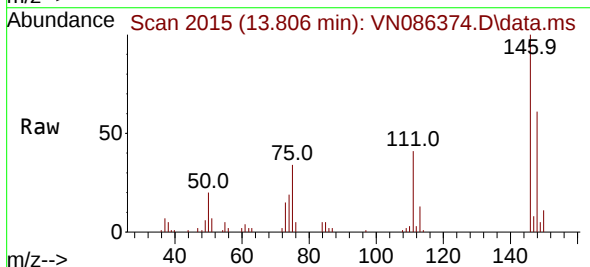
Tgt Ion:146 Resp: 4915
Ion Ratio Lower Upper
146 100
111 41.3 20.7 62.1
148 63.0 32.3 96.8

Manual Integrations
APPROVED

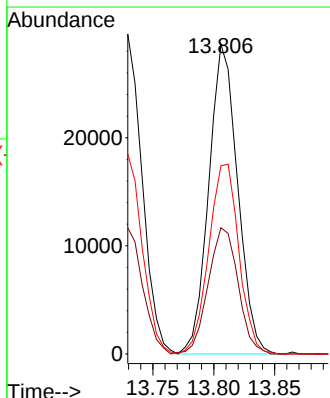
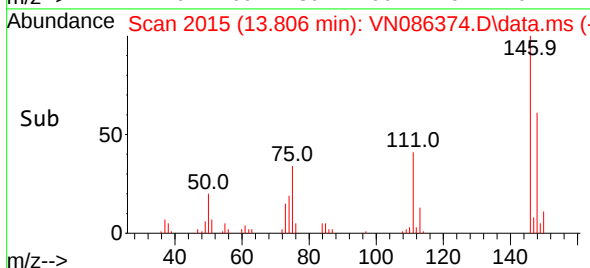
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

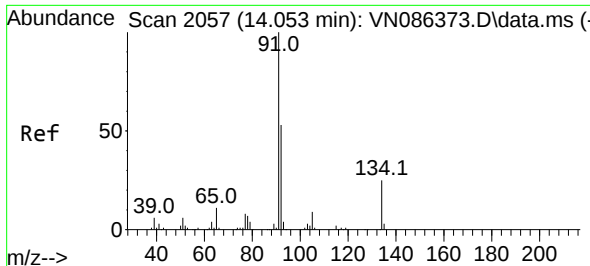


#84
1,4-Dichlorobenzene
Concen: 18.903 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09



Tgt Ion:146 Resp: 47190
Ion Ratio Lower Upper
146 100
111 42.2 20.3 60.8
148 64.1 32.4 97.2





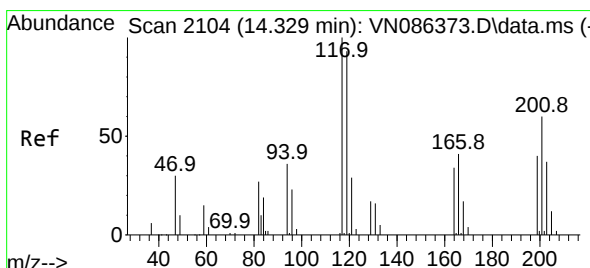
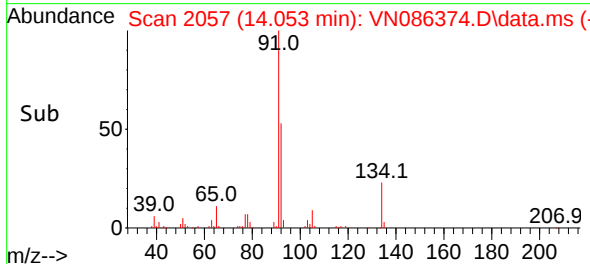
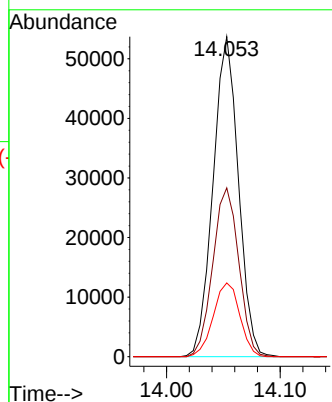
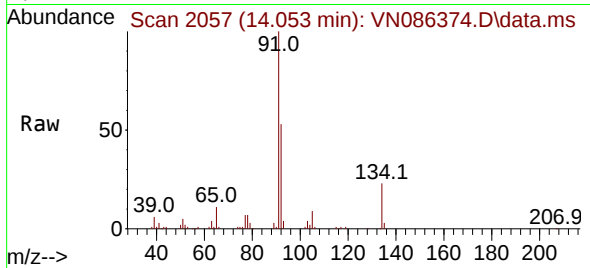
#85
n-Butylbenzene
Concen: 19.126 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 83284
Ion Ratio Lower Upper
91 100
92 53.9 0.0 107.2
134 24.1 0.0 48.2

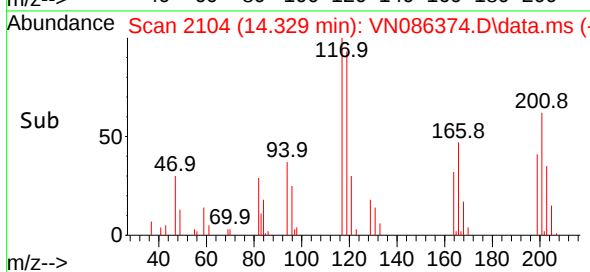
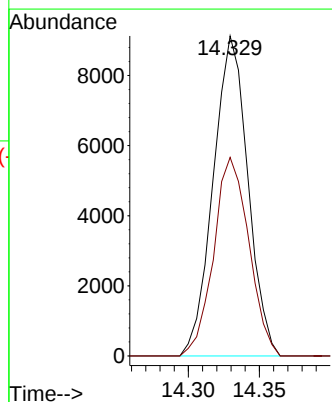
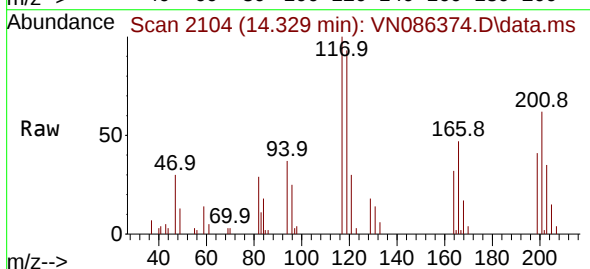
Manual Integrations
APPROVED

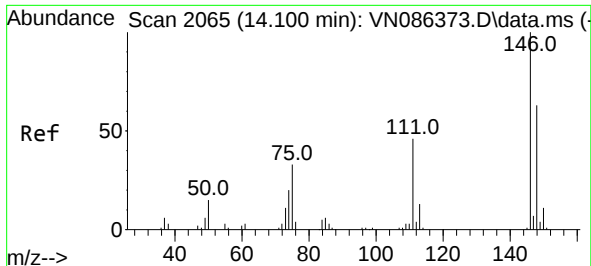
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#86
Hexachloroethane
Concen: 19.401 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

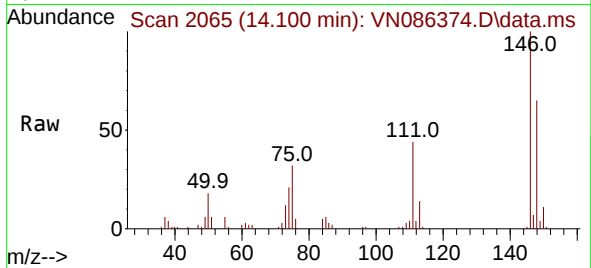
Tgt Ion:117 Resp: 15481
Ion Ratio Lower Upper
117 100
201 63.1 31.7 95.1





#87
1,2-Dichlorobenzene
Concen: 19.936 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

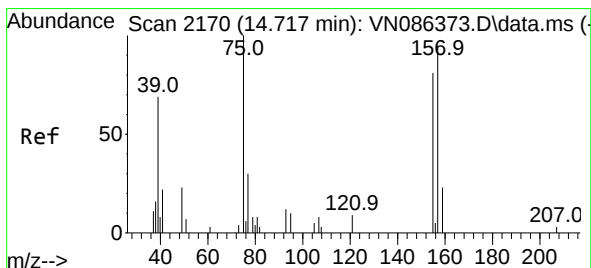
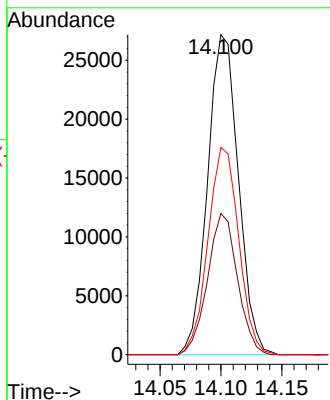
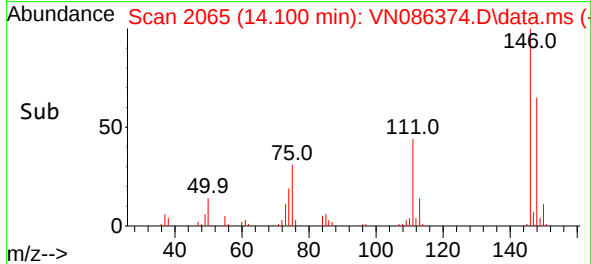
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



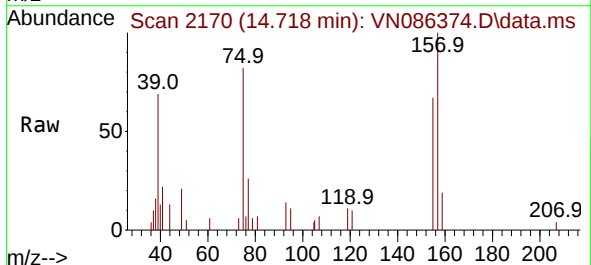
Tgt Ion:146 Resp: 47930
Ion Ratio Lower Upper
146 100
111 42.8 22.1 66.3
148 64.6 32.0 96.0

Manual Integrations
APPROVED

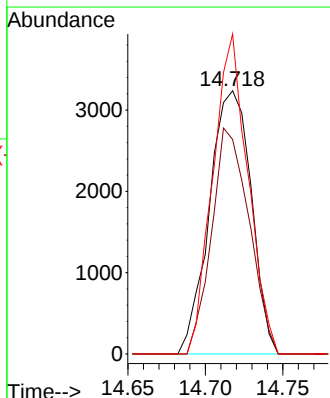
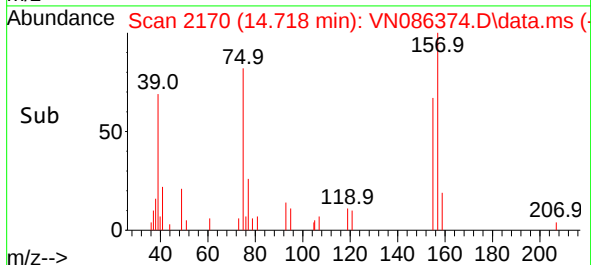
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

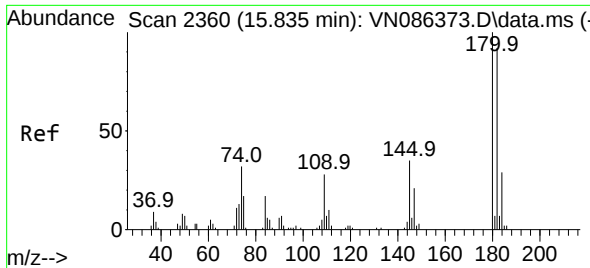


#88
1,2-Dibromo-3-Chloropropane
Concen: 19.533 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09



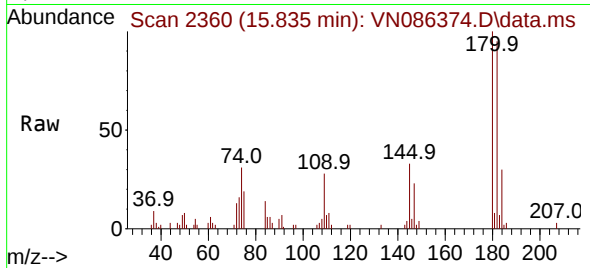
Tgt Ion: 75 Resp: 6078
Ion Ratio Lower Upper
75 100
155 76.8 64.0 96.0
157 101.9 78.2 117.4





#89
1,2,4-Trichlorobenzene
Concen: 20.524 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

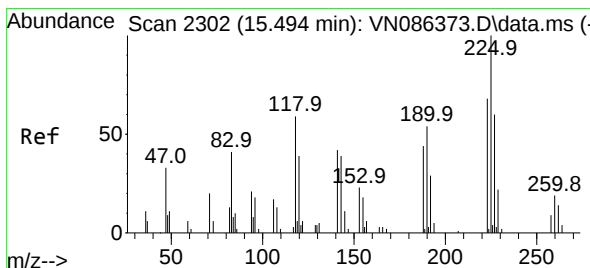
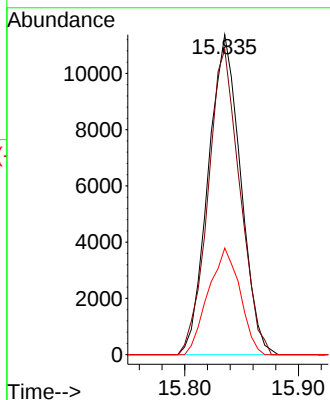
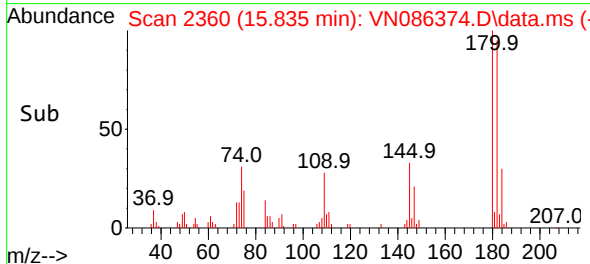
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



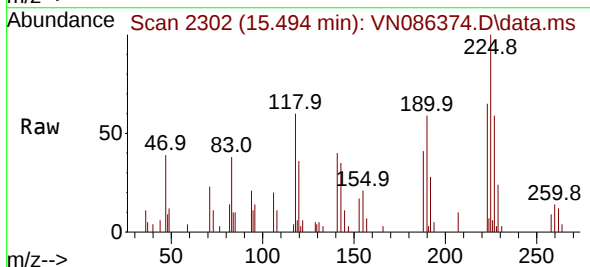
Tgt Ion:180 Resp: 22489
Ion Ratio Lower Upper
180 100
182 93.9 74.8 112.2
145 32.6 26.9 40.3

Manual Integrations
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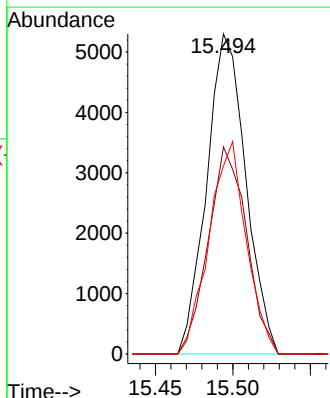
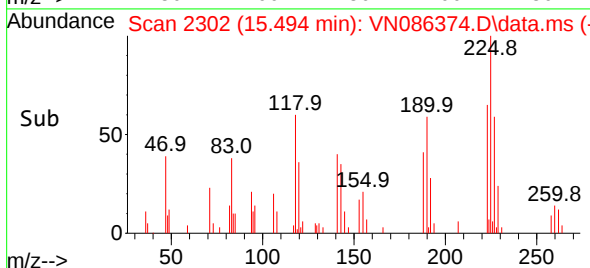
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

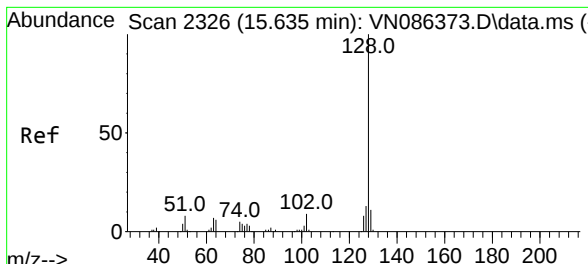


#90
Hexachlorobutadiene
Concen: 21.046 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09



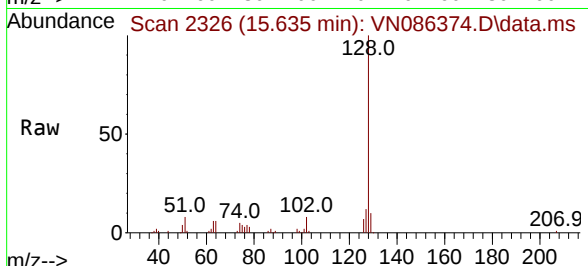
Tgt Ion:225 Resp: 9289
Ion Ratio Lower Upper
225 100
223 63.4 0.0 128.8
227 63.0 0.0 120.2





#91
Naphthalene
Concen: 19.992 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09

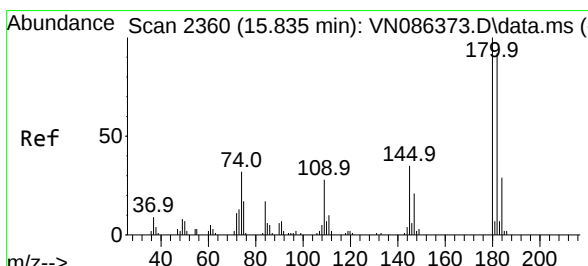
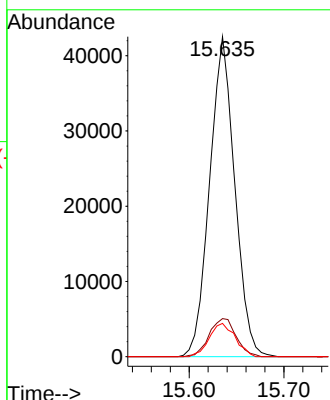
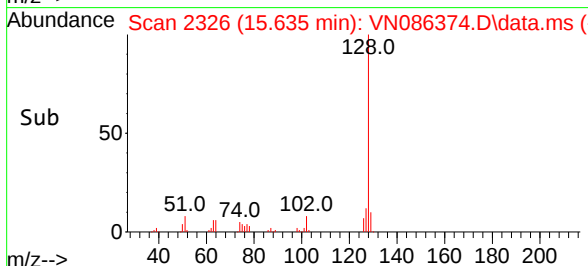
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



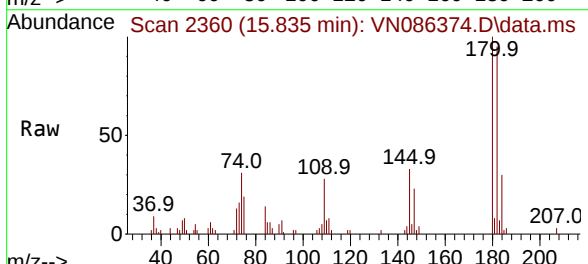
Tgt Ion:128 Resp: 78425
Ion Ratio Lower Upper
128 100
127 12.7 10.6 15.8
129 10.8 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#92
1,2,3-Trichlorobenzene
Concen: 20.524 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086374.D
Acq: 23 Apr 2025 10:09



Tgt Ion:180 Resp: 22489
Ion Ratio Lower Upper
180 100
182 93.9 0.0 187.0
145 32.6 0.0 67.2

