

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042425\
 Data File : VN086392.D
 Acq On : 24 Apr 2025 11:10
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

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

Quant Time: Apr 25 01:37:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	26272	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	160898	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	146433	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	77952	30.775	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.600%			
60) 4-Bromofluorobenzene	12.847	95	83781	29.111	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.033%			
63) Toluene-d8	10.565	98	241338	29.958	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.867%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	35620	19.638	ug/l	98
3) Chloromethane	2.359	50	48754	18.923	ug/l	95
4) Vinyl Chloride	2.518	62	48594	19.692	ug/l	98
5) Bromomethane	2.965	94	25436	19.743	ug/l	97
6) Chloroethane	3.124	64	32550	19.786	ug/l	99
7) Trichlorofluoromethane	3.506	101	57190	19.634	ug/l	97
8) Diethyl Ether	3.953	74	23715	19.288	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	36219	20.226	ug/l	96
10) 1,1-Dichloroethene	4.348	96	36037	19.662	ug/l	93
11) Methyl Iodide	4.595	142	40883	19.064	ug/l	98
12) Methyl Acetate	5.018	43	54759	21.079	ug/l	97
13) Acrolein	4.171	56	13246	106.492	ug/l	99
14) Acrylonitrile	5.712	53	99406	102.814	ug/l	98
15) Acetone	4.418	58	25020	93.911	ug/l	90
16) Carbon Disulfide	4.712	76	92170	19.085	ug/l	98
17) Allyl chloride	5.018	41	54628	18.640	ug/l	92
18) Methylene Chloride	5.277	84	42200	20.218	ug/l	97
19) trans-1,2-Dichloroethene	5.789	96	38093	19.500	ug/l	97
20) Diisopropyl ether	6.665	45	137854	19.783	ug/l	95
21) 1,1-Dichloroethane	6.565	63	76187	19.974	ug/l	99
22) cis-1,2-Dichloroethene	7.483	96	49135	20.115	ug/l	97
23) tert-Butyl Alcohol	5.512	59	39846	106.385	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	137656	20.328	ug/l	100
25) Chloroform	7.965	83	77751	20.141	ug/l	95
26) Cyclohexane	8.253	56	64712	19.215	ug/l #	99
29) 1,1-Dichloropropene	8.371	75	55043	19.405	ug/l	99
30) 2-Butanone	7.477	43	134449	97.656	ug/l	100
31) 2,2-Dichloropropane	7.483	77	68224	18.711	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	67210	19.829	ug/l	99
33) Carbon Tetrachloride	8.359	117	53439	19.152	ug/l	98
34) Benzene	8.606	78	177700	19.697	ug/l	95
35) Methacrylonitrile	7.771	41	29921	19.052	ug/l	99
36) 1,2-Dichloroethane	8.665	62	57245	19.544	ug/l	100
37) Trichloroethene	9.347	130	43439	19.233	ug/l	90
38) Methylcyclohexane	9.600	83	62749	19.154	ug/l	99
39) 1,2-Dichloropropane	9.618	63	43328	19.440	ug/l	94
40) Dibromomethane	9.706	93	29031	19.477	ug/l	97
41) Bromodichloromethane	9.882	83	62252	19.736	ug/l	97
42) Vinyl Acetate	6.600	43	459520	96.351	ug/l	100

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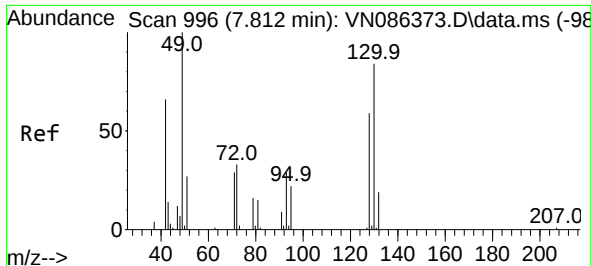
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 Supervised By : Mahesh Dadoda 04/25/2025

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	52191m	19.156	ug/l	
44) Isopropyl Acetate	8.683	43	102912	19.902	ug/l	99
45) 1,4-Dioxane	9.694	88	17079	423.319	ug/l	96
46) Methyl methacrylate	9.677	41	46043	19.303	ug/l	98
47) n-amyl Acetate	12.488	43	79730	18.090	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	66456	18.846	ug/l	97
49) cis-1,3-Dichloropropene	10.306	75	71483	19.223	ug/l	96
50) 1,1,2-Trichloroethane	11.012	97	41506	19.936	ug/l	98
51) Ethyl methacrylate	10.871	69	69215	19.089	ug/l	98
52) 1,3-Dichloropropane	11.159	76	72729	19.766	ug/l	100
53) Dibromochloromethane	11.359	129	46144	19.739	ug/l	98
54) 1,2-Dibromoethane	11.465	107	40943	19.342	ug/l	100
55) 2-Chloroethyl vinyl ether	10.153	63	148028	86.834	ug/l	100
56) Bromoform	12.576	173	29068	19.161	ug/l	100
58) 4-Methyl-2-Pentanone	10.441	43	285476	100.744	ug/l	100
59) 2-Hexanone	11.194	43	207600	99.415	ug/l	99
61) Tetrachloroethene	11.100	164	43047	19.274	ug/l	97
62) Toluene	10.629	91	193566	19.748	ug/l	99
64) Chlorobenzene	11.888	112	121722	19.930	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	41714	20.427	ug/l	98
66) Ethyl Benzene	11.959	91	216192	19.595	ug/l	100
67) m/p-Xylenes	12.071	106	163177	38.980	ug/l	99
68) o-Xylene	12.394	106	79183	19.319	ug/l	100
69) Styrene	12.406	104	133796	19.259	ug/l	99
70) Isopropylbenzene	12.694	105	201076	19.652	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	56212	20.865	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	47412m	20.186	ug/l	
73) Bromobenzene	12.976	156	46626	19.822	ug/l	98
74) n-propylbenzene	13.029	91	235314	19.354	ug/l	99
75) 2-Chlorotoluene	13.123	91	147150	19.388	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	165894	19.761	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	21990	18.448	ug/l	95
78) 4-Chlorotoluene	13.218	91	144829	19.084	ug/l	100
79) tert-butylbenzene	13.435	119	139436	19.393	ug/l	99
80) 1,2,4-Trimethylbenzene	13.476	105	164132	19.143	ug/l	98
81) sec-Butylbenzene	13.612	105	197215	19.216	ug/l	99
82) p-Isopropyltoluene	13.723	119	161092	18.758	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	84482	18.999	ug/l	99
84) 1,4-Dichlorobenzene	13.806	146	83831	19.082	ug/l	99
85) n-Butylbenzene	14.053	91	139988	18.268	ug/l	99
86) Hexachloroethane	14.329	117	26434	18.824	ug/l	98
87) 1,2-Dichlorobenzene	14.100	146	83740	19.792	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10296	18.802	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	36439	18.897	ug/l	100
90) Hexachlorobutadiene	15.500	225	14193	18.273	ug/l	98
91) Naphthalene	15.635	128	127348	18.447	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	36439	18.897	ug/l	100

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



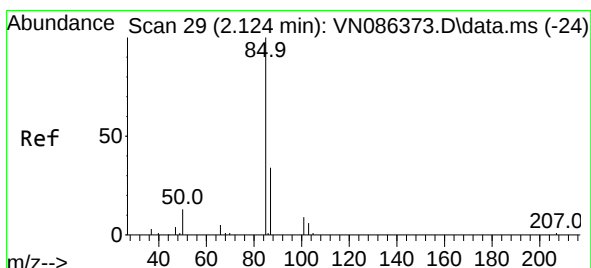
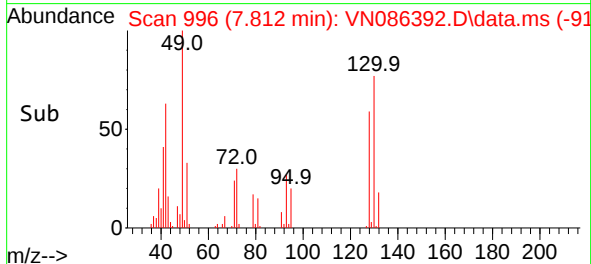
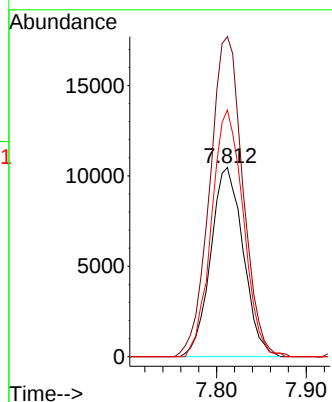
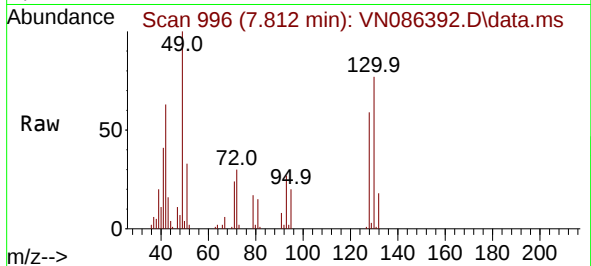
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:128 Resp: 2627
Ion Ratio Lower Upper
128 100
49 172.5 0.0 433.8
130 127.8 0.0 325.0

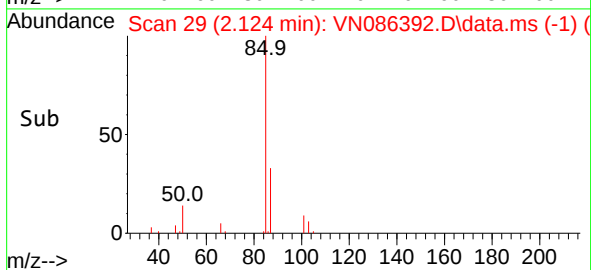
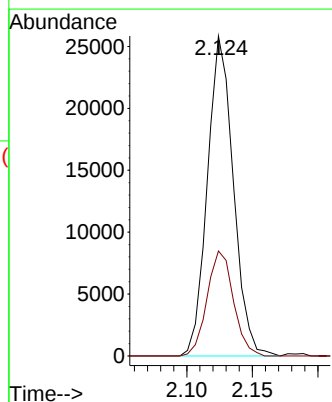
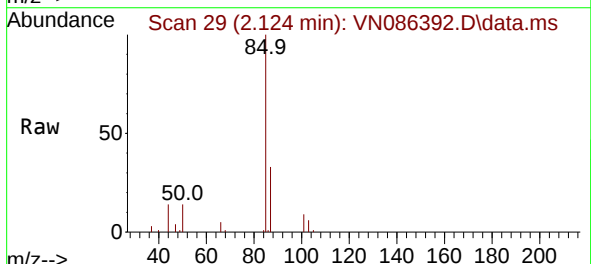
Manual Integrations
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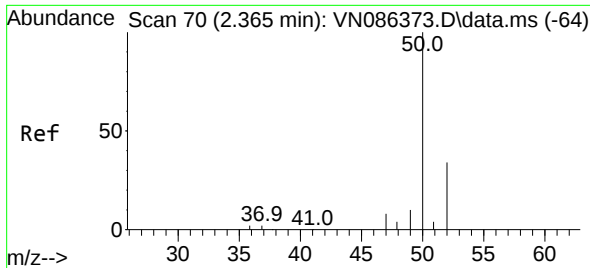
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#2
Dichlorodifluoromethane
Concen: 19.638 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

Tgt Ion: 85 Resp: 35620
Ion Ratio Lower Upper
85 100
87 32.8 17.0 50.9





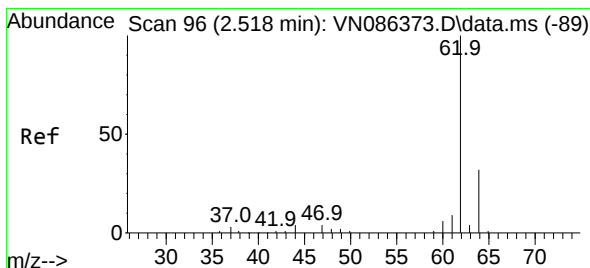
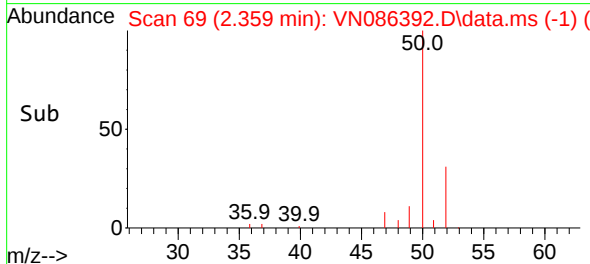
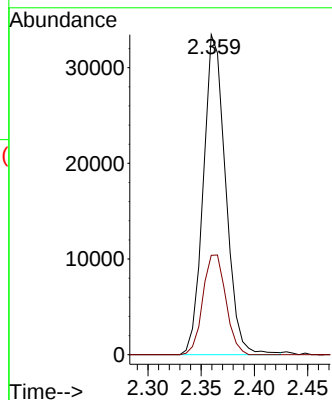
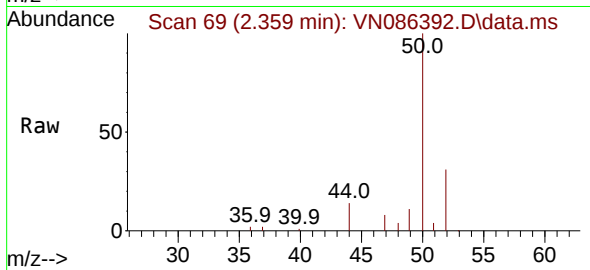
#3
Chloromethane
Concen: 18.923 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 50 Resp: 48754
Ion Ratio Lower Upper
50 100
52 31.1 27.3 40.9

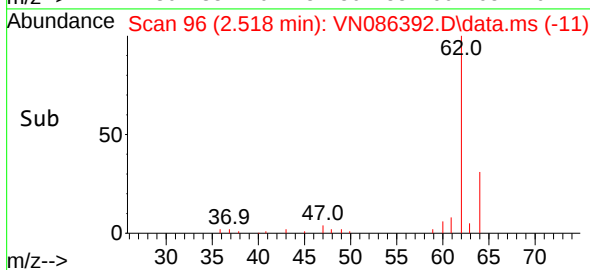
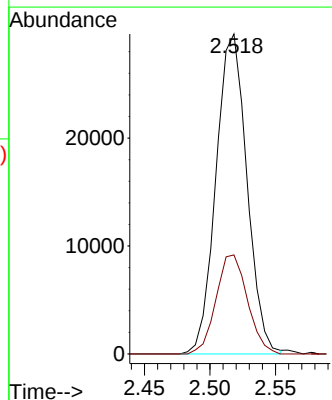
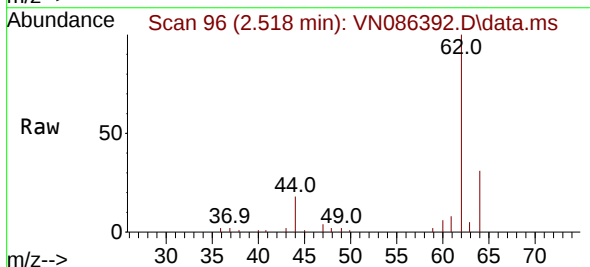
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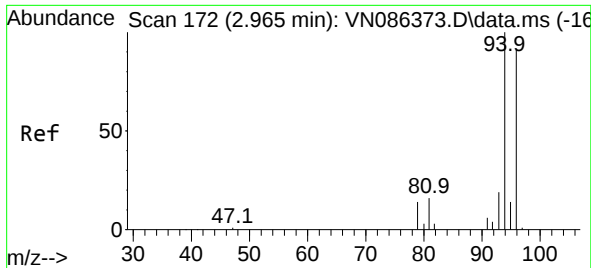
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#4
Vinyl Chloride
Concen: 19.692 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

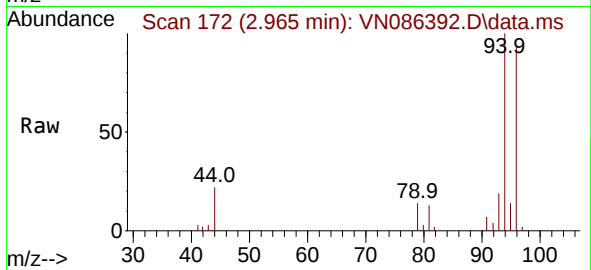
Tgt Ion: 62 Resp: 48594
Ion Ratio Lower Upper
62 100
64 30.9 25.8 38.8





#5
Bromomethane
Concen: 19.743 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

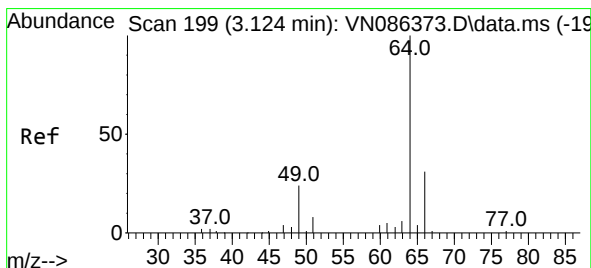
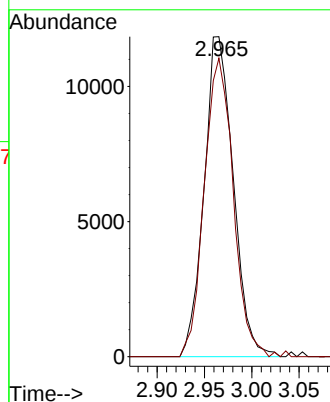
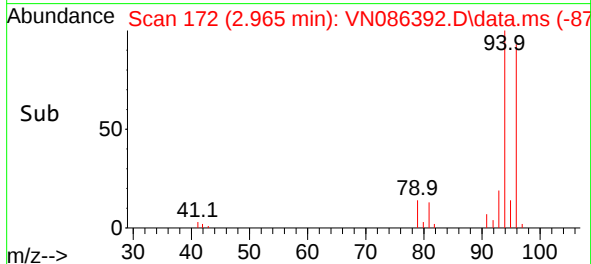
Instrument :
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ClientSampleId :
VSTDCCC020



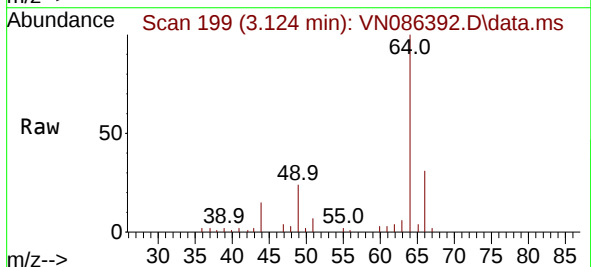
Tgt Ion: 94 Resp: 25436
Ion Ratio Lower Upper
94 100
96 93.3 72.4 108.6

Manual Integrations
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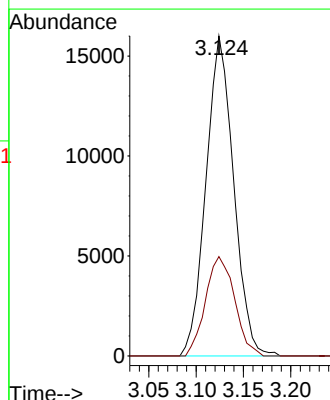
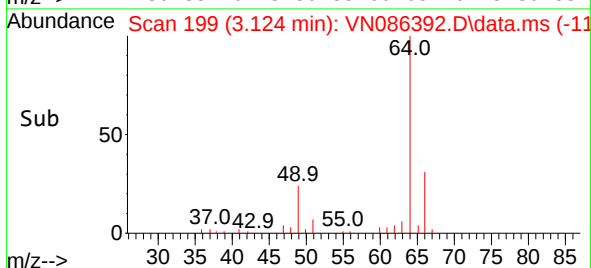
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Supervised By :Mahesh Dadoda 04/25/2025

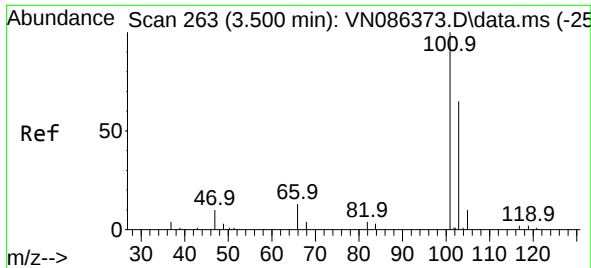


#6
Chloroethane
Concen: 19.786 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10



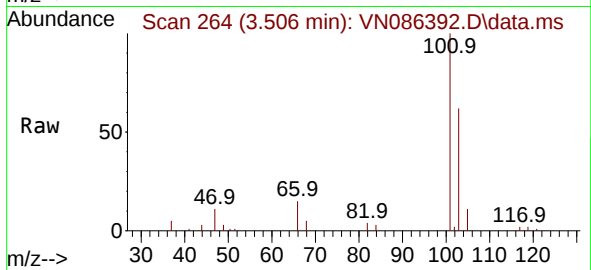
Tgt Ion: 64 Resp: 32550
Ion Ratio Lower Upper
64 100
66 31.1 24.5 36.7





#7
Trichlorofluoromethane
Concen: 19.634 ug/l
RT: 3.506 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

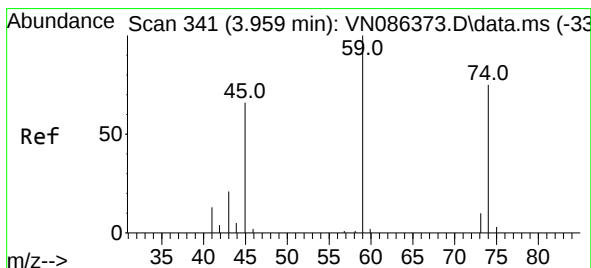
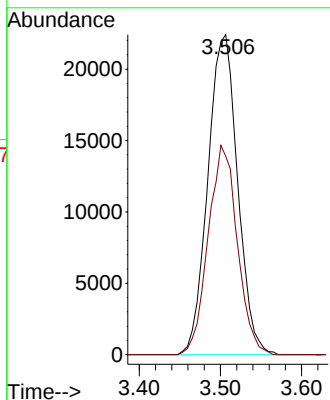
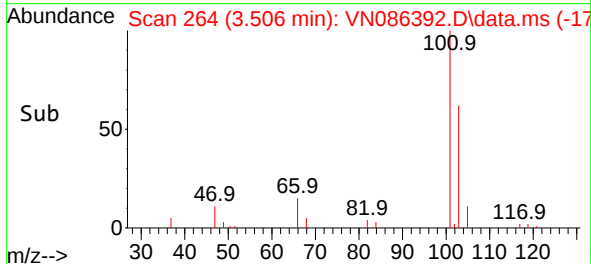
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Tgt Ion:101 Resp: 57190
Ion Ratio Lower Upper
101 100
103 62.0 51.8 77.6

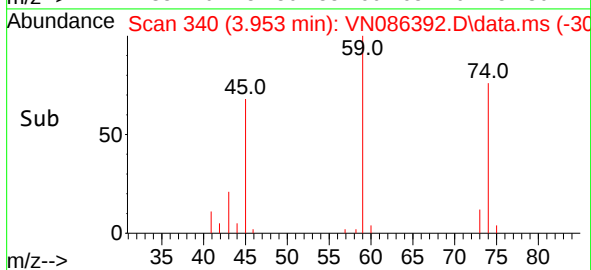
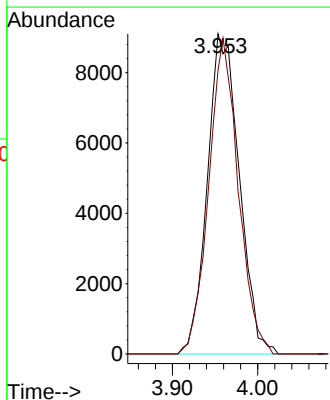
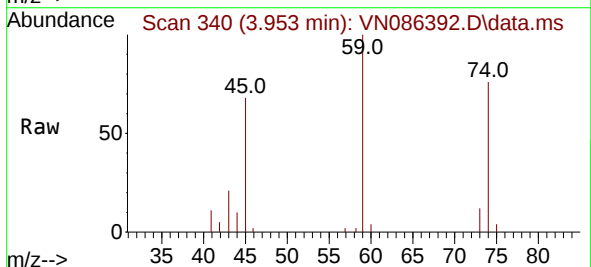
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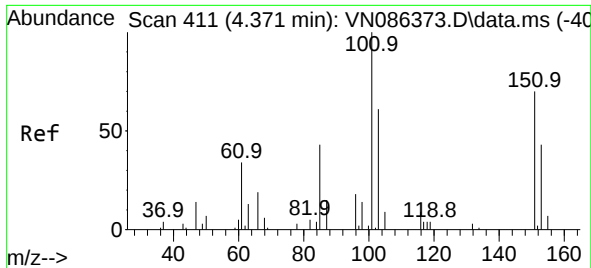
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#8
Diethyl Ether
Concen: 19.288 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

Tgt Ion: 74 Resp: 23715
Ion Ratio Lower Upper
74 100
45 91.5 18.5 166.3





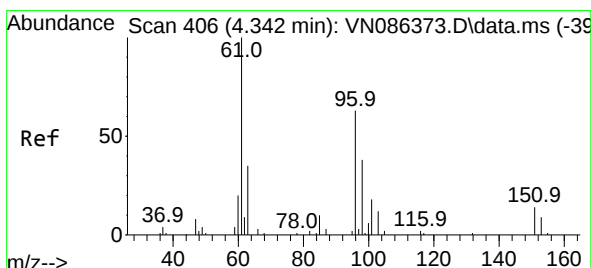
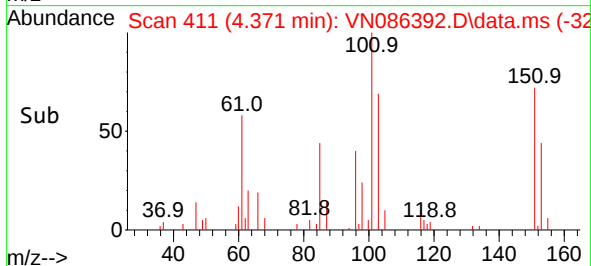
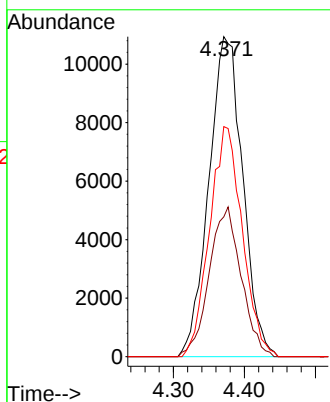
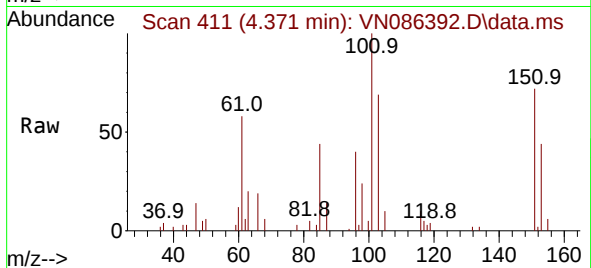
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 1,1,2-Trichlorotrifluoroethane
 Concen: 20.226 ug/l
 RT: 4.371 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VN086392.D
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Instrument :
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 VSTDCCC020

Tgt Ion:101 Resp: 36219
 Ion Ratio Lower Upper
 101 100
 85 44.2 0.0 84.4
 151 69.5 0.0 145.8

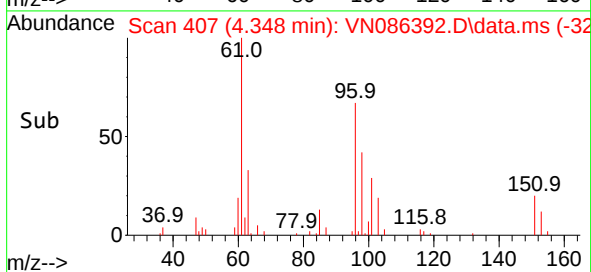
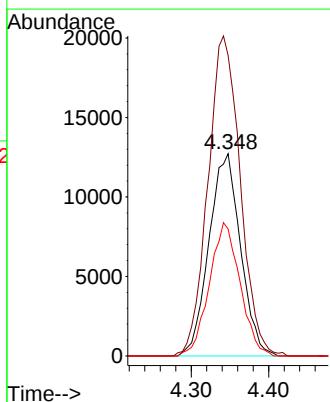
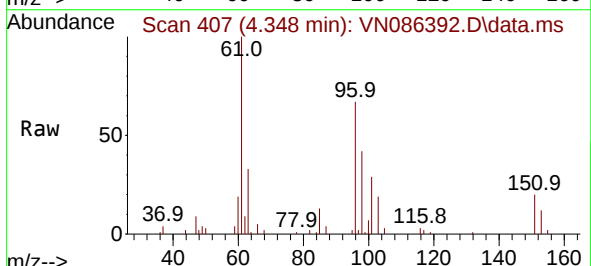
Manual Integrations
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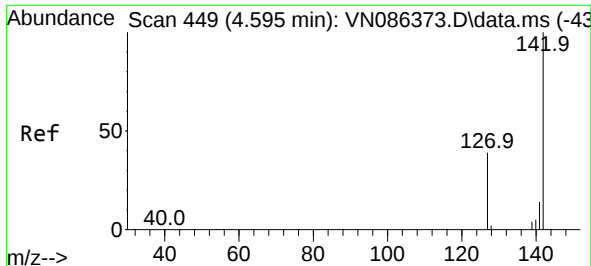
Reviewed By :John Carlone 04/25/2025
 Supervised By :Mahesh Dadoda 04/25/2025



#10
 1,1-Dichloroethene
 Concen: 19.662 ug/l
 RT: 4.348 min Scan# 407
 Delta R.T. 0.006 min
 Lab File: VN086392.D
 Acq: 24 Apr 2025 11:10

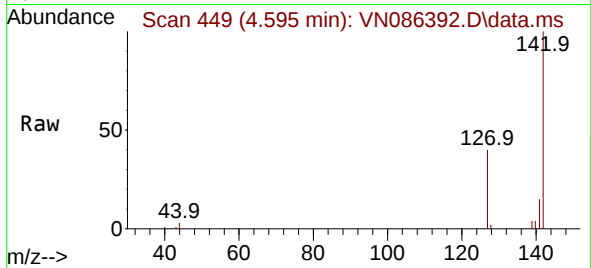
Tgt Ion: 96 Resp: 36037
 Ion Ratio Lower Upper
 96 100
 61 147.3 126.2 189.4
 98 62.7 48.5 72.7





#11
Methyl Iodide
Concen: 19.064 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

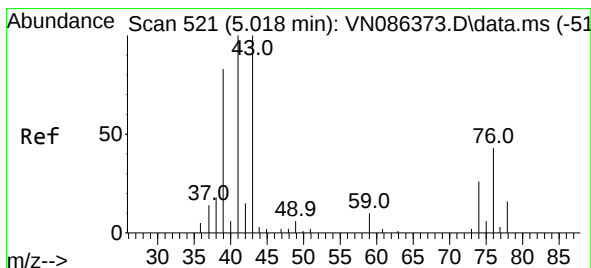
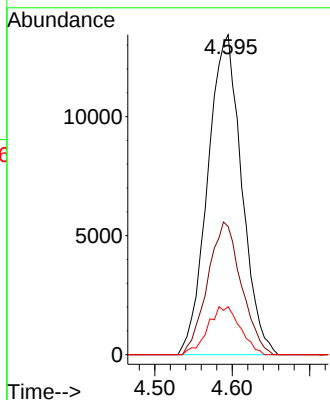
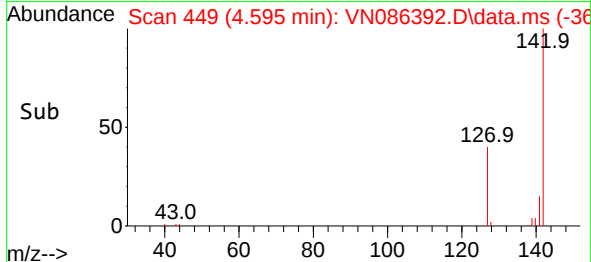
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



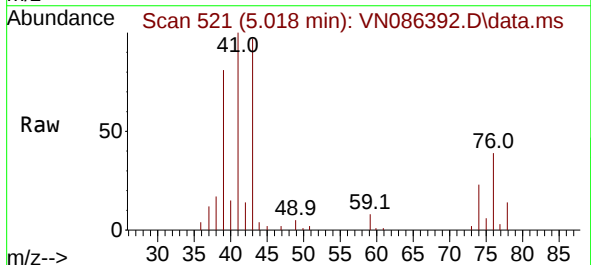
Tgt Ion:142 Resp: 4088
Ion Ratio Lower Upper
142 100
127 40.1 19.3 57.9
141 15.0 7.1 21.3

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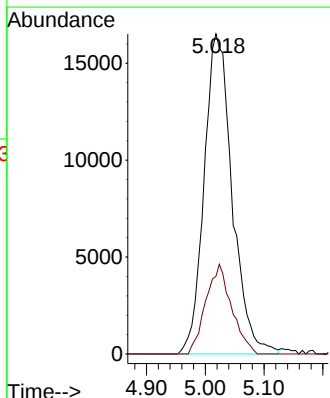
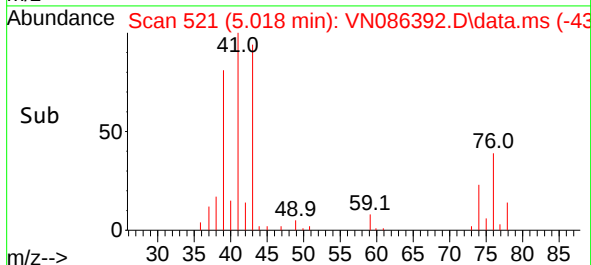
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

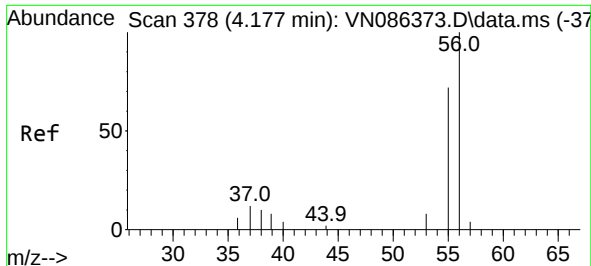


#12
Methyl Acetate
Concen: 21.079 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10



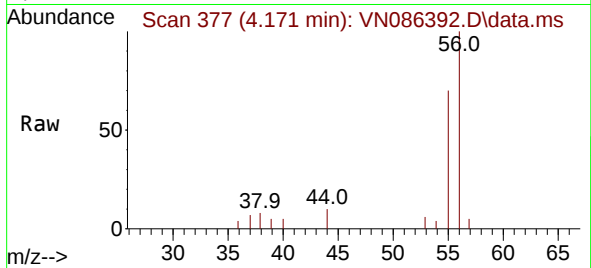
Tgt Ion: 43 Resp: 54759
Ion Ratio Lower Upper
43 100
74 24.4 20.8 31.2





#13
Acrolein
Concen: 106.492 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

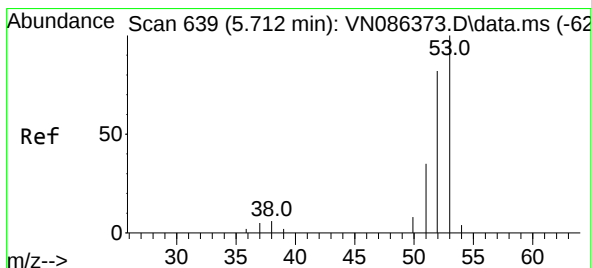
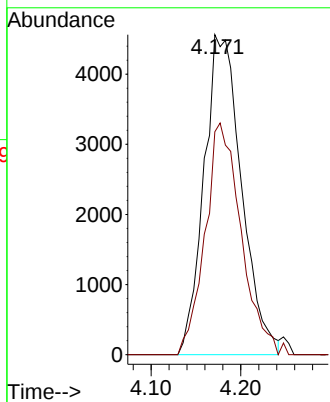
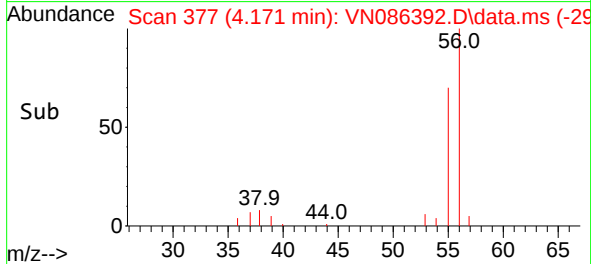
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 56 Resp: 13240
Ion Ratio Lower Upper
56 100
55 69.1 56.1 84.1

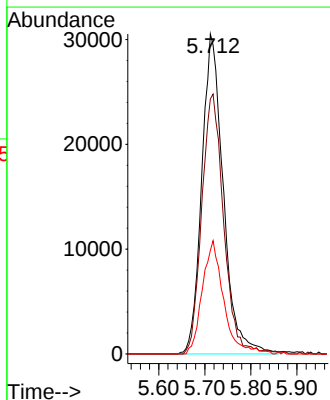
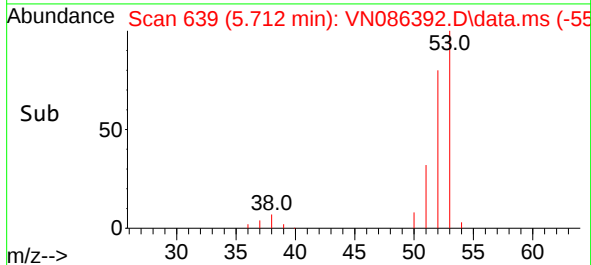
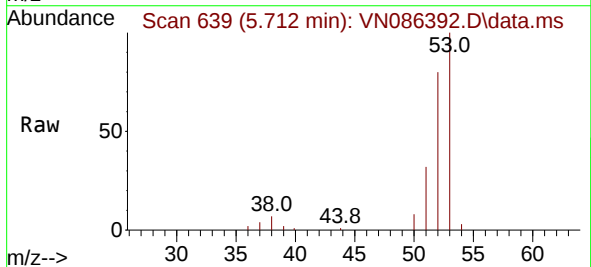
Manual Integrations
APPROVED

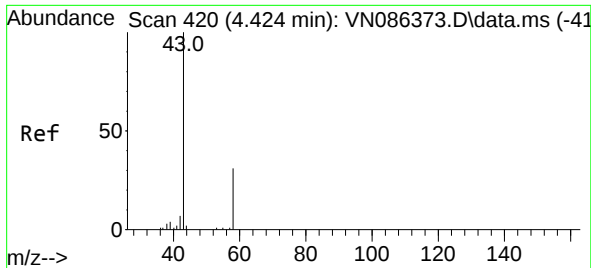
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#14
Acrylonitrile
Concen: 102.814 ug/l
RT: 5.712 min Scan# 639
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

Tgt Ion: 53 Resp: 99406
Ion Ratio Lower Upper
53 100
52 80.5 41.2 123.6
51 34.2 17.6 52.8





#15

Acetone

Concen: 93.911 ug/l

RT: 4.418 min Scan# 419

Delta R.T. -0.006 min

Lab File: VN086392.D

Acq: 24 Apr 2025 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 58 Resp: 25020

Ion Ratio Lower Upper

58 100

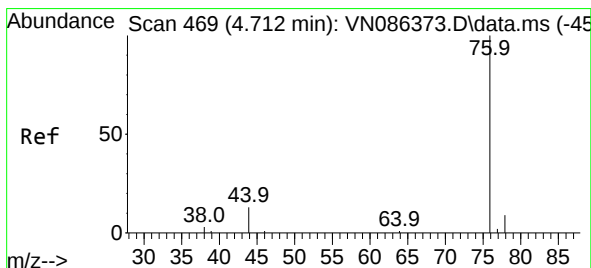
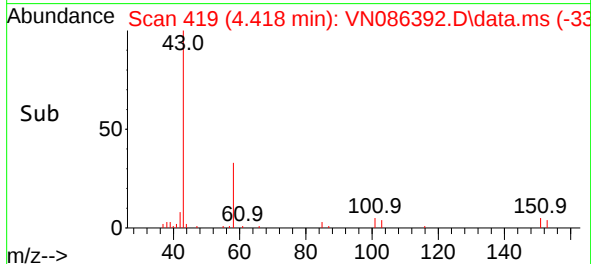
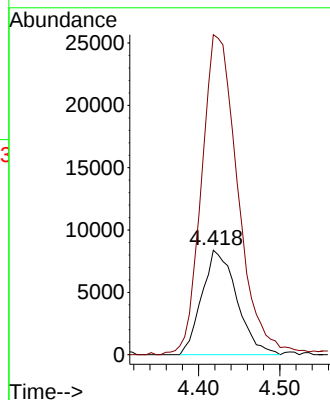
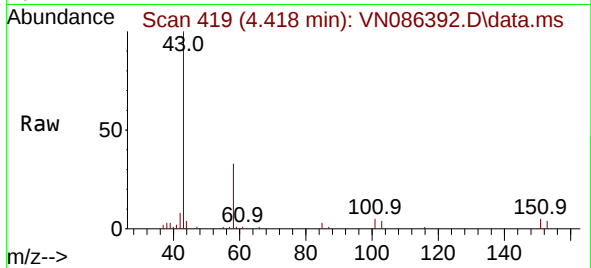
43 299.5 255.1 382.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/25/2025

Supervised By :Mahesh Dadoda 04/25/2025



#16

Carbon Disulfide

Concen: 19.085 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN086392.D

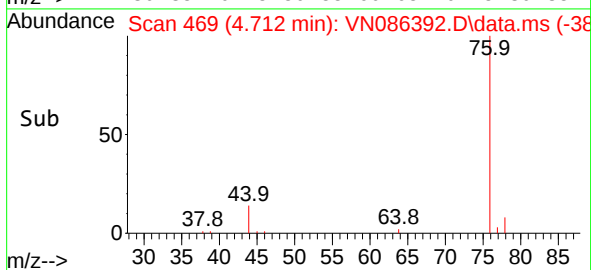
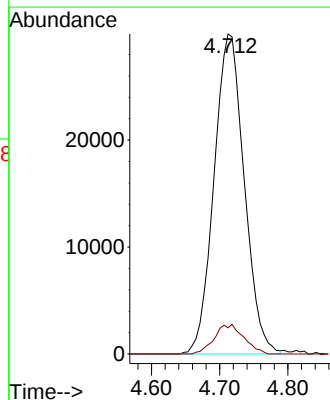
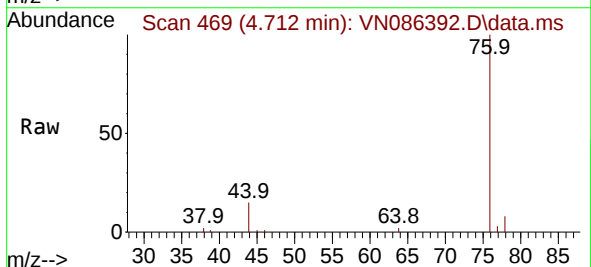
Acq: 24 Apr 2025 11:10

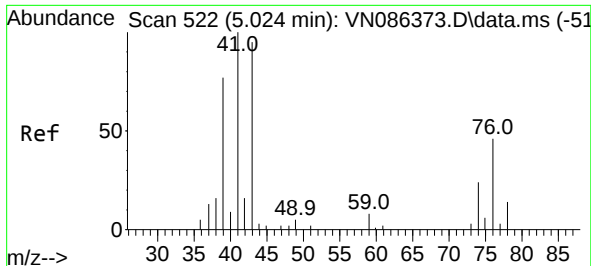
Tgt Ion: 76 Resp: 92170

Ion Ratio Lower Upper

76 100

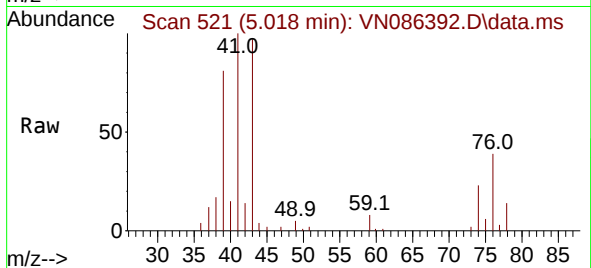
78 8.2 7.1 10.7





#17
 Allyl chloride
 Concen: 18.640 ug/l
 RT: 5.018 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN086392.D
 Acq: 24 Apr 2025 11:10

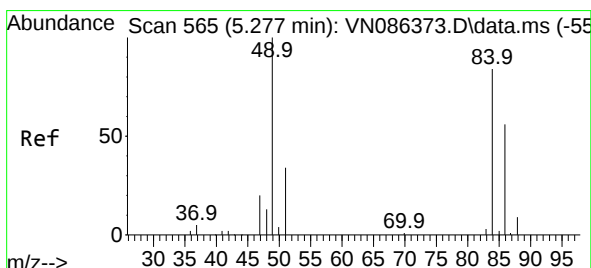
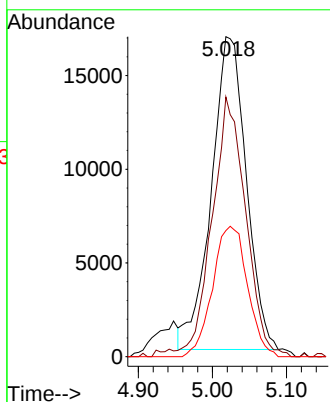
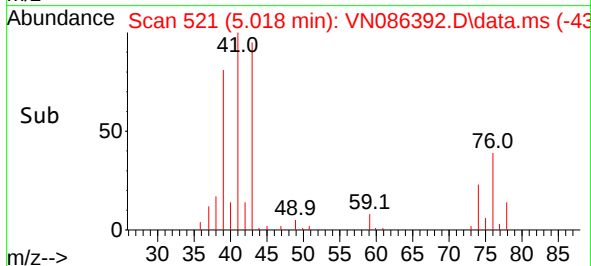
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



Tgt Ion: 41 Resp: 54628
 Ion Ratio Lower Upper
 41 100
 39 81.0 36.7 110.1
 76 40.3 21.8 65.4

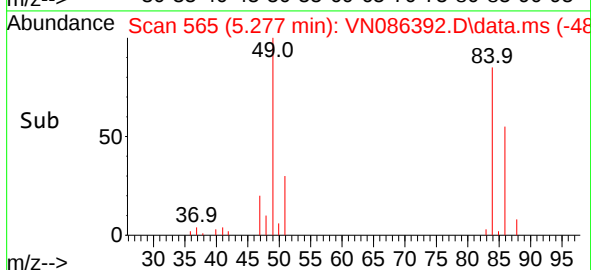
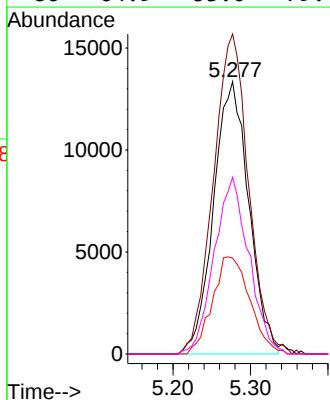
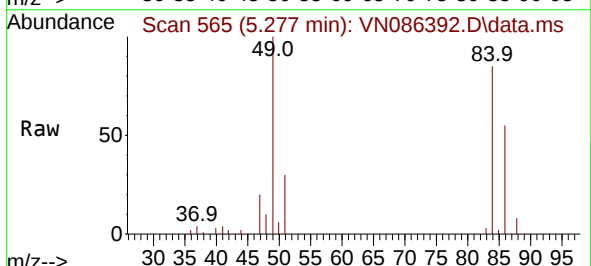
Manual Integrations
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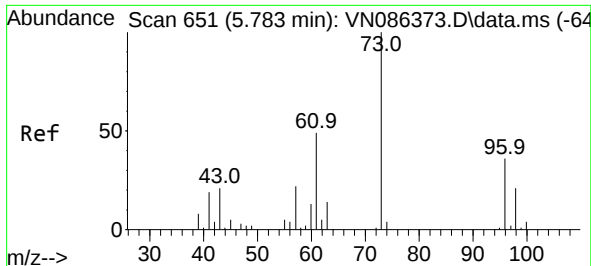
Reviewed By :John Carlone 04/25/2025
 Supervised By :Mahesh Dadoda 04/25/2025



#18
 Methylene Chloride
 Concen: 20.218 ug/l
 RT: 5.277 min Scan# 565
 Delta R.T. 0.000 min
 Lab File: VN086392.D
 Acq: 24 Apr 2025 11:10

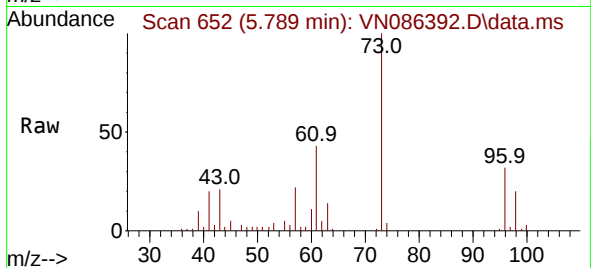
Tgt Ion: 84 Resp: 42200
 Ion Ratio Lower Upper
 84 100
 49 117.5 95.4 143.0
 51 35.2 32.8 49.2
 86 64.9 53.0 79.4





#19
trans-1,2-Dichloroethene
Concen: 19.500 ug/l
RT: 5.789 min Scan# 651
Delta R.T. 0.006 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

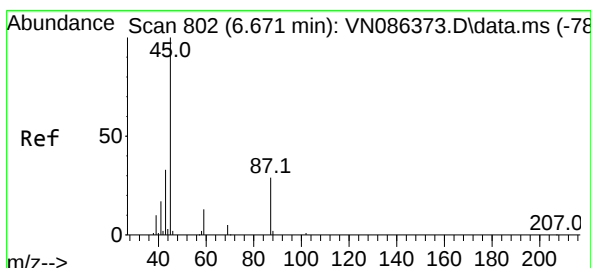
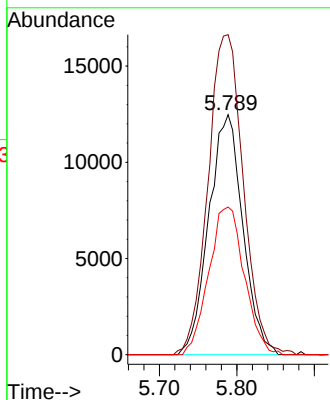
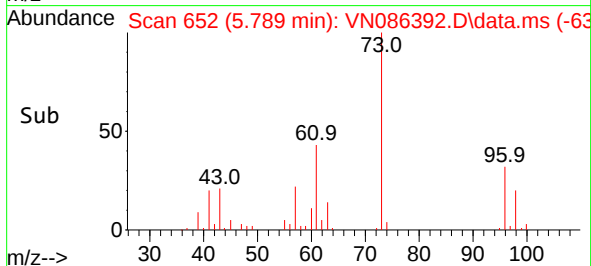
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 96 Resp: 3809
Ion Ratio Lower Upper
96 100
61 131.6 107.3 160.9
98 61.6 46.7 70.1

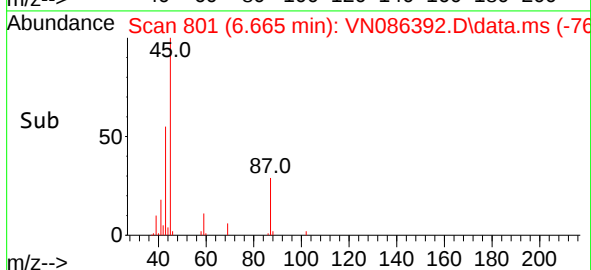
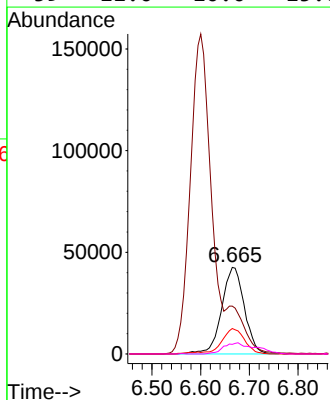
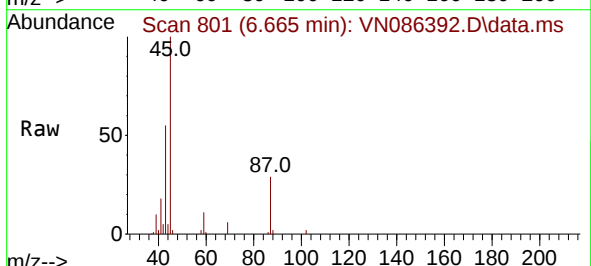
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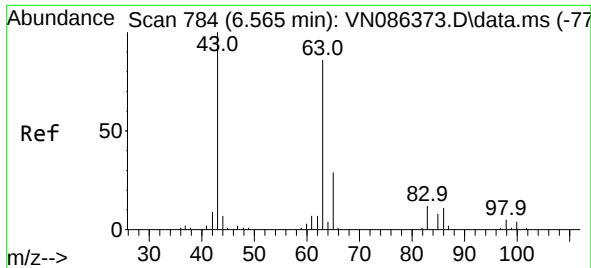
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#20
Diisopropyl ether
Concen: 19.783 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

Tgt Ion: 45 Resp: 137854
Ion Ratio Lower Upper
45 100
43 53.8 38.8 58.2
87 29.3 23.5 35.3
59 11.0 10.0 15.0





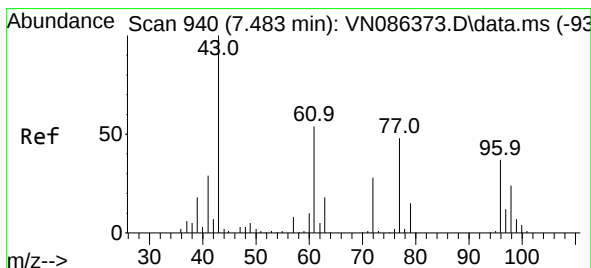
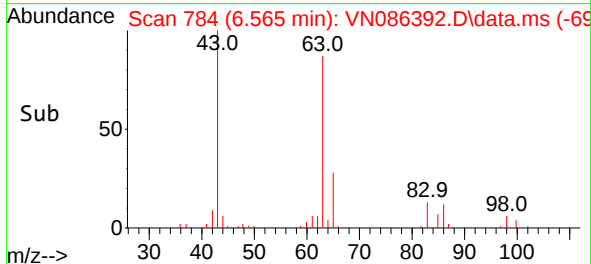
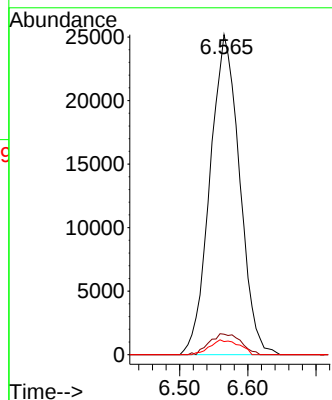
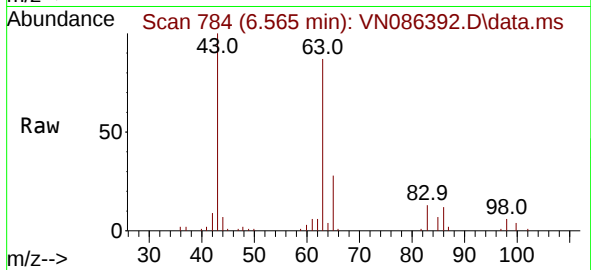
#21
1,1-Dichloroethane
Concen: 19.974 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 7618
Ion Ratio Lower Upper
63 100
98 6.4 3.0 9.2
100 4.1 2.3 6.8

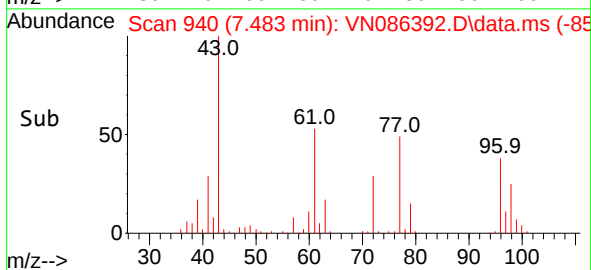
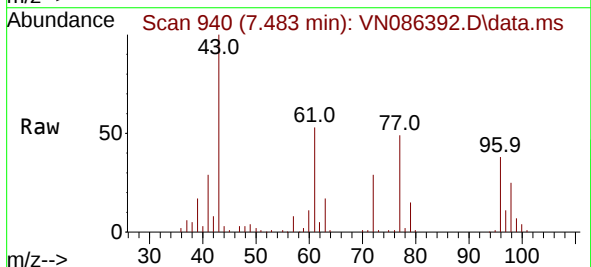
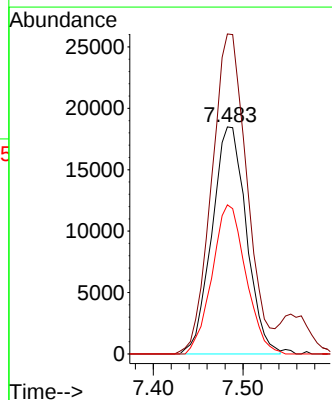
Manual Integrations
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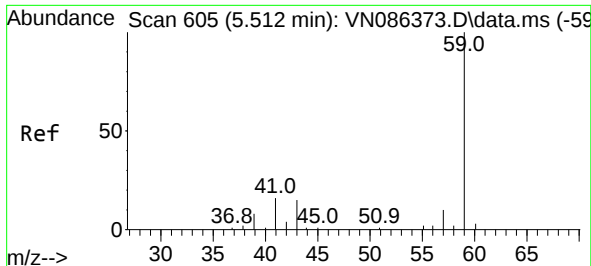
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#22
cis-1,2-Dichloroethene
Concen: 20.115 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

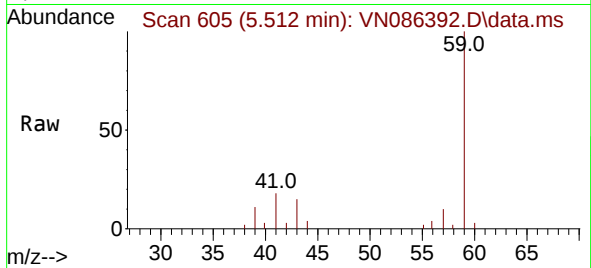
Tgt Ion: 96 Resp: 49135
Ion Ratio Lower Upper
96 100
61 144.8 120.6 181.0
98 64.4 51.8 77.6





#23
tert-Butyl Alcohol
Concen: 106.385 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

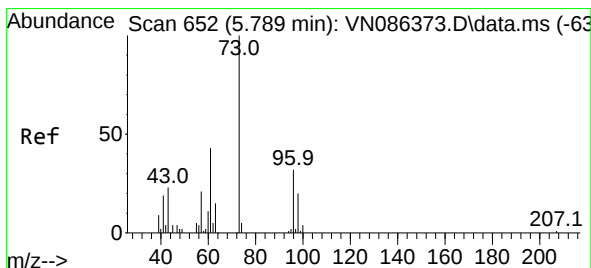
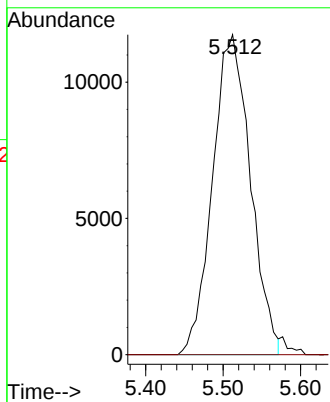
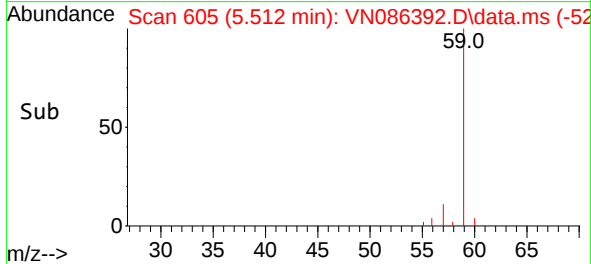
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



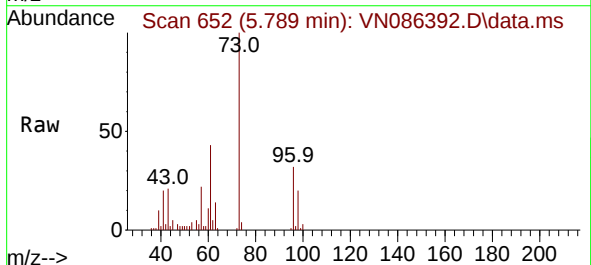
Tgt Ion: 59 Resp: 39840
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1

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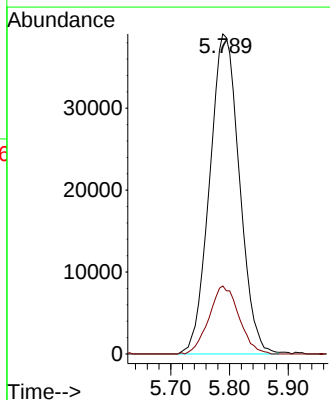
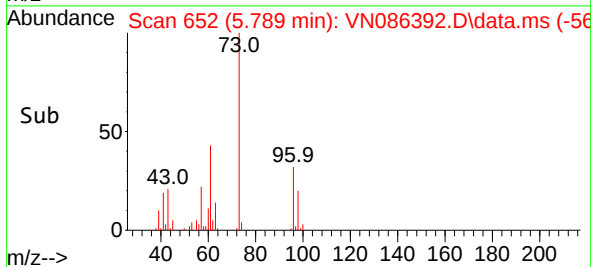
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

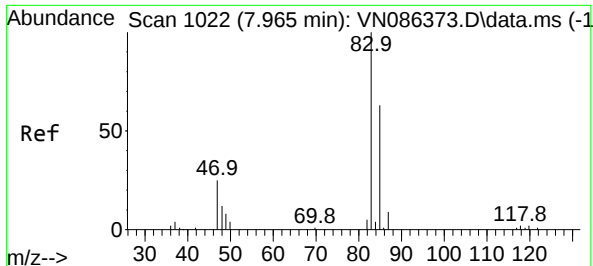


#24
Methyl tert-Butyl Ether
Concen: 20.328 ug/l
RT: 5.789 min Scan# 652
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10



Tgt Ion: 73 Resp: 137656
Ion Ratio Lower Upper
73 100
43 21.3 17.1 25.7





#25

Chloroform

Concen: 20.141 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN086392.D

Acq: 24 Apr 2025 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 83 Resp: 7775

Ion Ratio Lower Upper

83 100

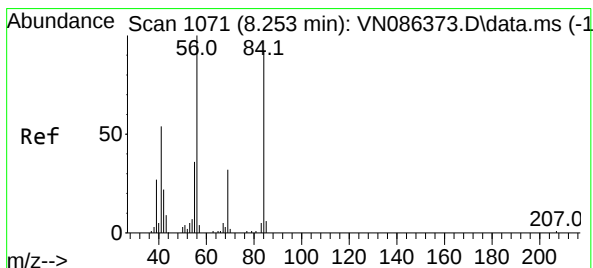
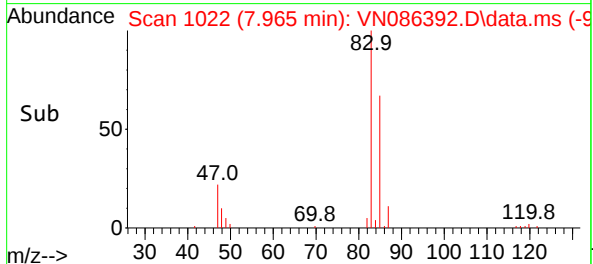
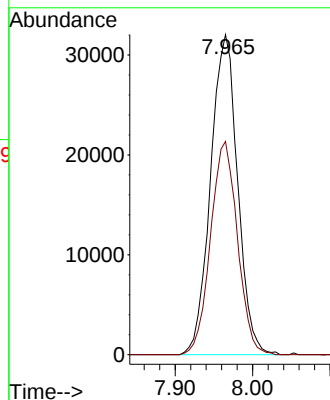
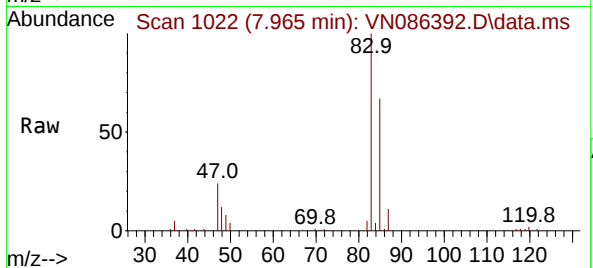
85 66.7 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/25/2025

Supervised By :Mahesh Dadoda 04/25/2025



#26

Cyclohexane

Concen: 19.215 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. 0.000 min

Lab File: VN086392.D

Acq: 24 Apr 2025 11:10

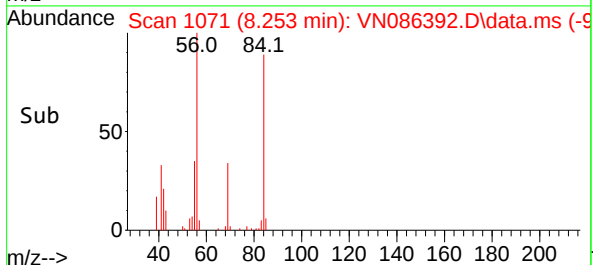
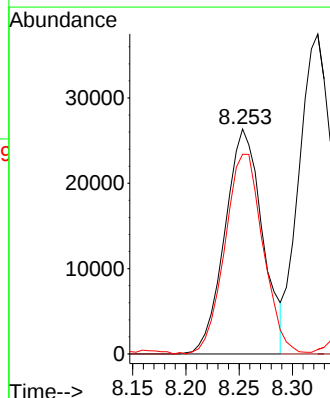
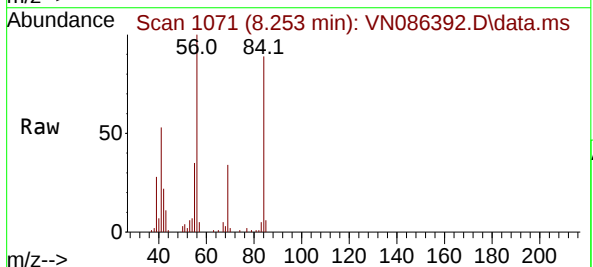
Tgt Ion: 56 Resp: 64712

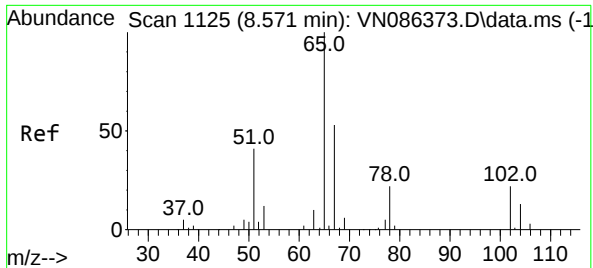
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 90.3 71.5 107.3





#27
1,2-Dichloroethane-d4
Concen: 30.775 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

Instrument :

MSVOA_N

ClientSampleId :

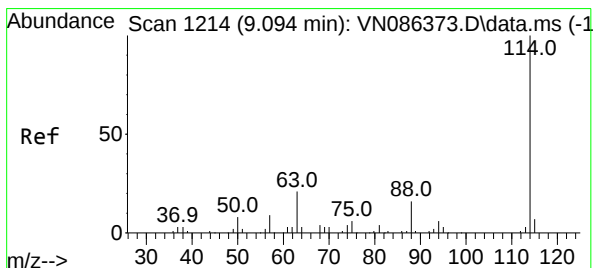
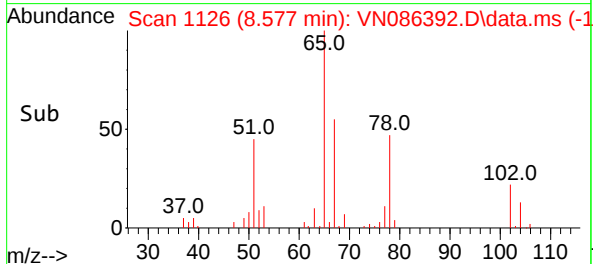
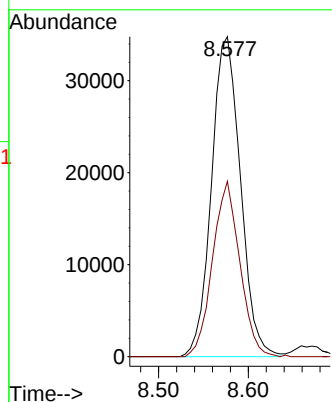
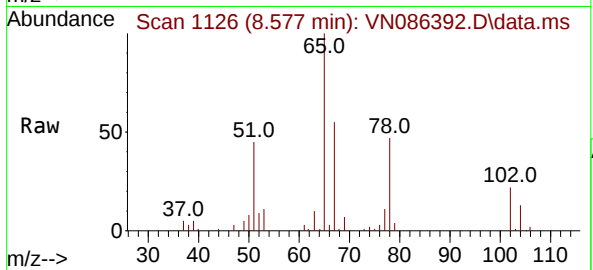
VSTDCCC020

Tgt Ion: 65 Resp: 77952
Ion Ratio Lower Upper
65 100
67 51.6 42.5 63.7

Manual Integrations

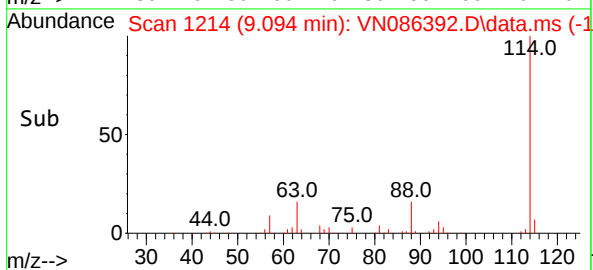
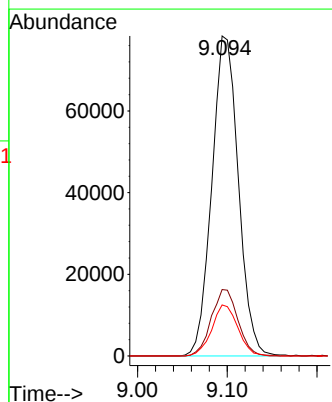
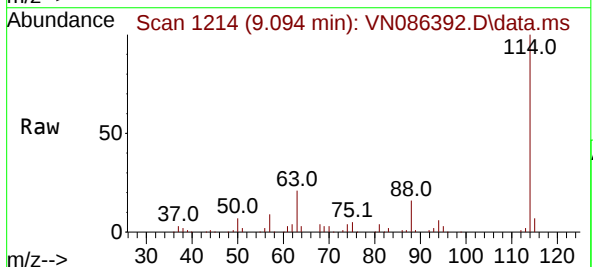
APPROVED

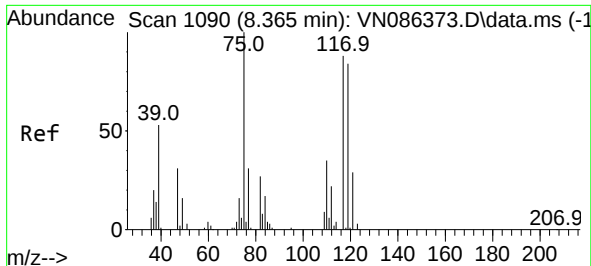
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

Tgt Ion:114 Resp: 160898
Ion Ratio Lower Upper
114 100
63 20.8 16.7 25.1
88 15.7 12.6 19.0





#29

1,1-Dichloropropene

Concen: 19.405 ug/l

RT: 8.371 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VN086392.D

Acq: 24 Apr 2025 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

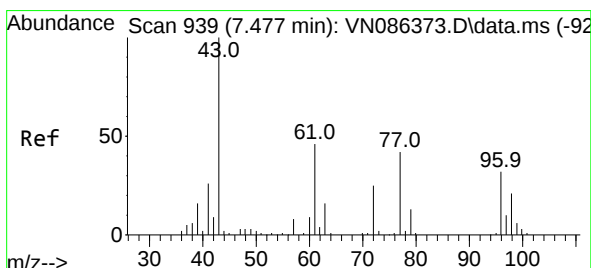
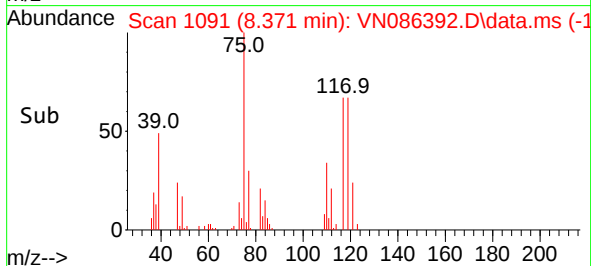
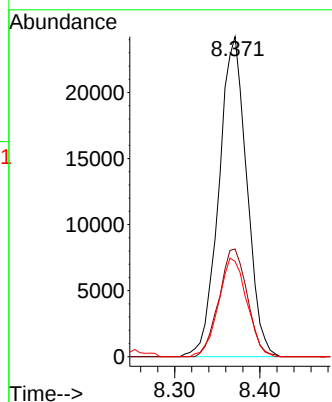
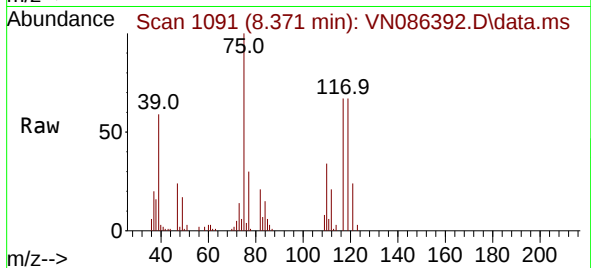
Tgt Ion: 75	Resp: 5504
Ion Ratio	Lower Upper
75	100
110	34.2 0.0 68.0
77	31.4 0.0 61.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/25/2025

Supervised By :Mahesh Dadoda 04/25/2025



#30

2-Butanone

Concen: 97.656 ug/l

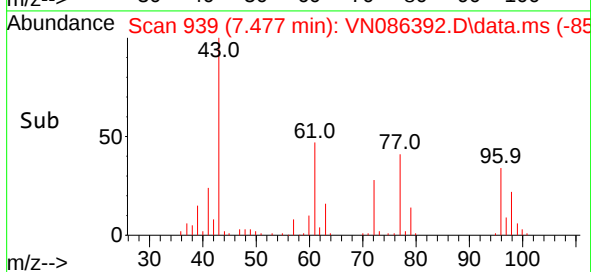
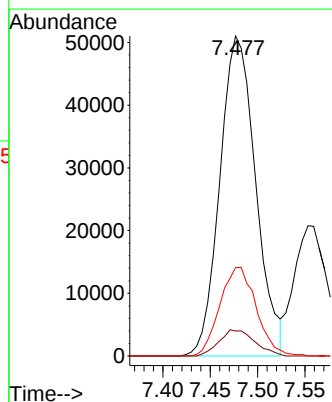
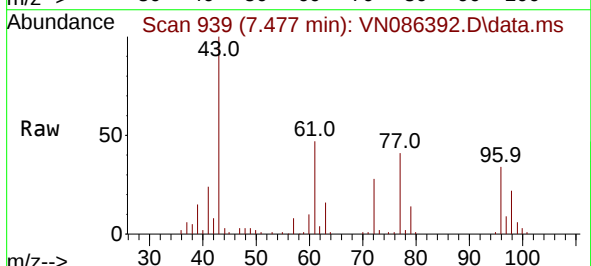
RT: 7.477 min Scan# 939

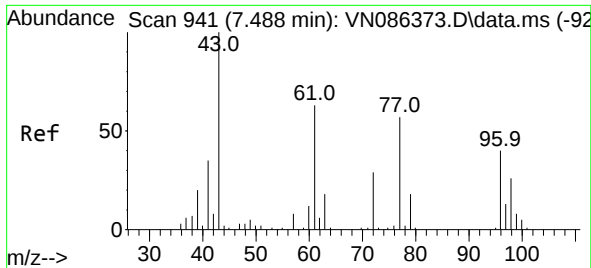
Delta R.T. 0.000 min

Lab File: VN086392.D

Acq: 24 Apr 2025 11:10

Tgt Ion: 43	Resp: 134449
Ion Ratio	Lower Upper
43	100
57	8.1 6.6 10.0
72	28.0 22.2 33.4





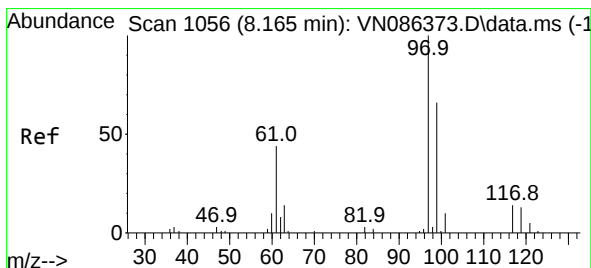
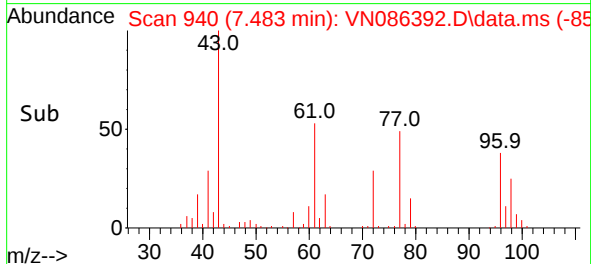
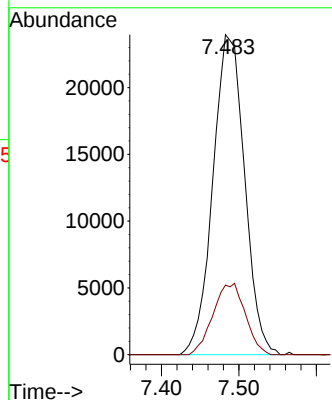
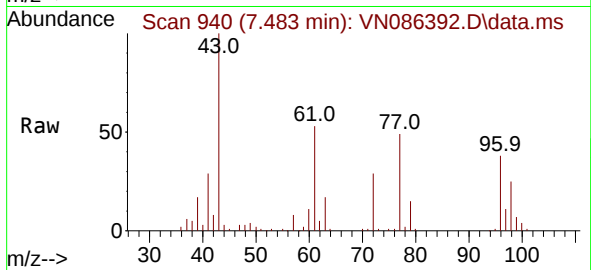
#31
2,2-Dichloropropane
Concen: 18.711 ug/l
RT: 7.483 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 77 Resp: 68224
Ion Ratio Lower Upper
77 100
97 22.7 18.2 27.2

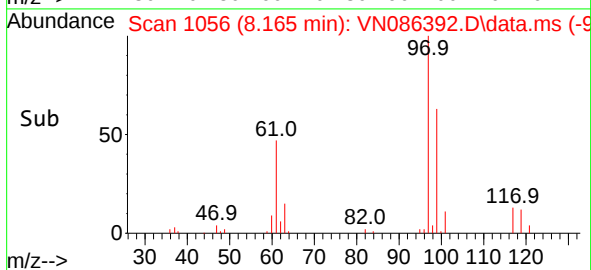
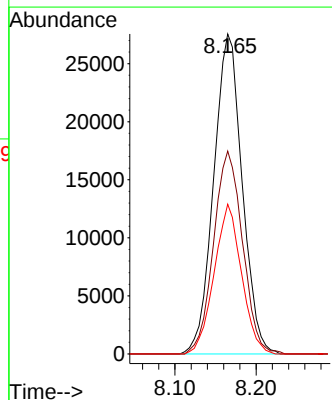
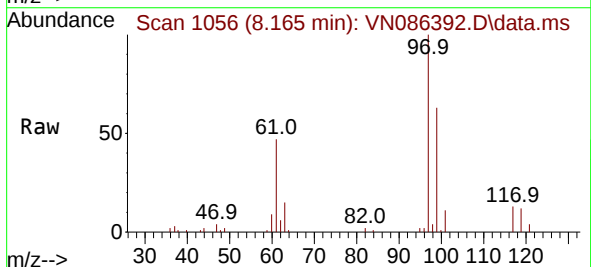
Manual Integrations
APPROVED

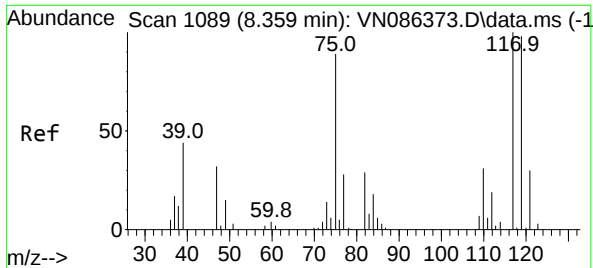
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#32
1,1,1-Trichloroethane
Concen: 19.829 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

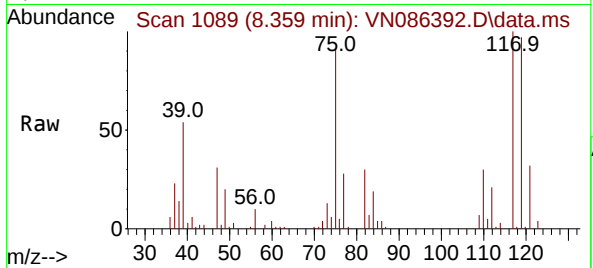
Tgt Ion: 97 Resp: 67210
Ion Ratio Lower Upper
97 100
99 64.4 52.6 79.0
61 44.9 36.4 54.6





#33
Carbon Tetrachloride
Concen: 19.152 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

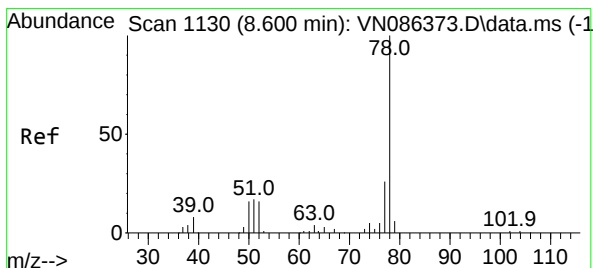
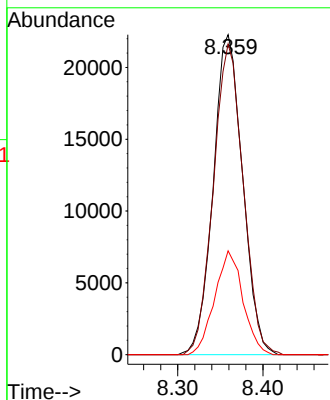
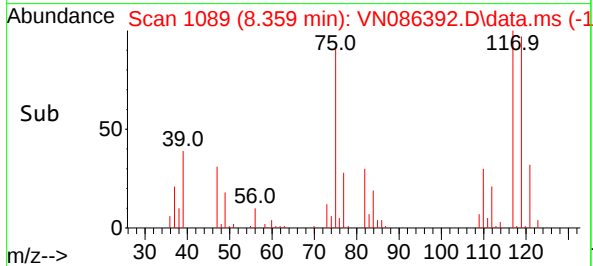
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



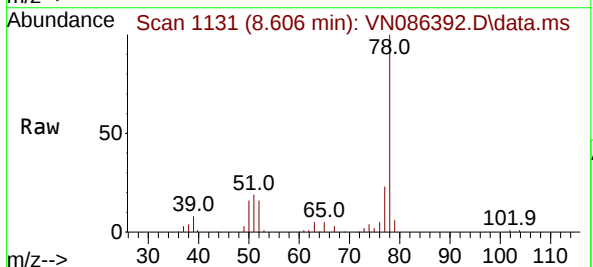
Tgt Ion:117 Resp: 53439
Ion Ratio Lower Upper
117 100
119 97.1 78.6 117.8
121 32.5 24.0 36.0

Manual Integrations
APPROVED

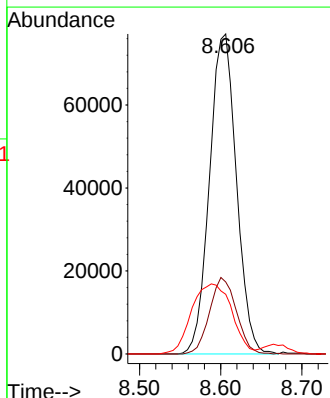
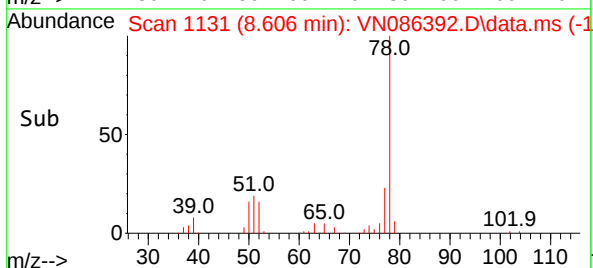
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

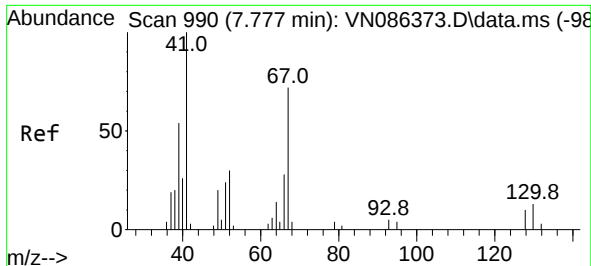


#34
Benzene
Concen: 19.697 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10



Tgt Ion: 78 Resp: 177700
Ion Ratio Lower Upper
78 100
77 22.5 20.8 31.2
51 16.1 14.0 21.0





#35
Methacrylonitrile
Concen: 19.052 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

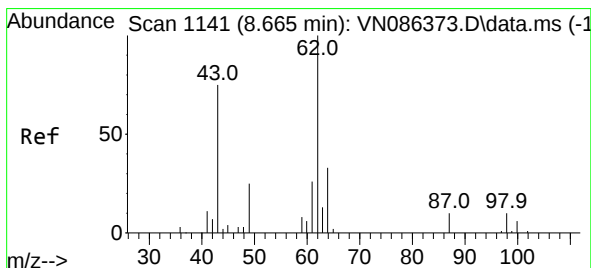
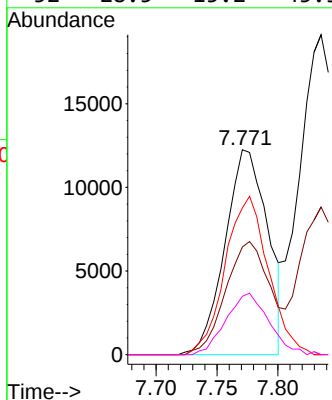
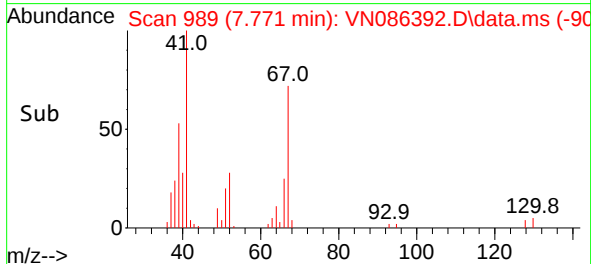
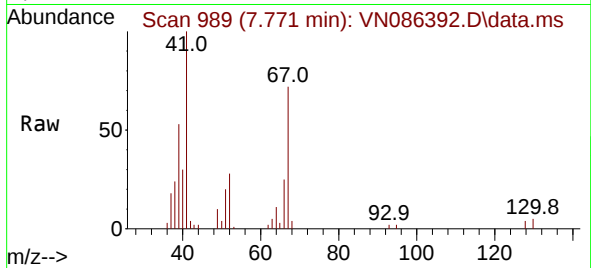
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 41 Resp: 2992

Ion	Ratio	Lower	Upper
41	100		
39	52.6	27.0	80.8
67	71.6	35.8	107.3
52	28.5	15.2	45.5

Manual Integrations
APPROVED

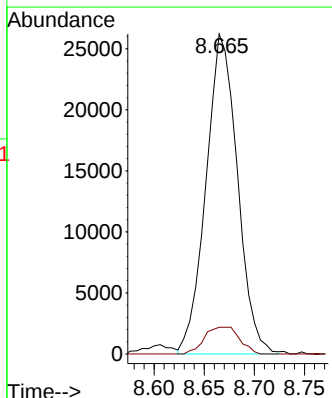
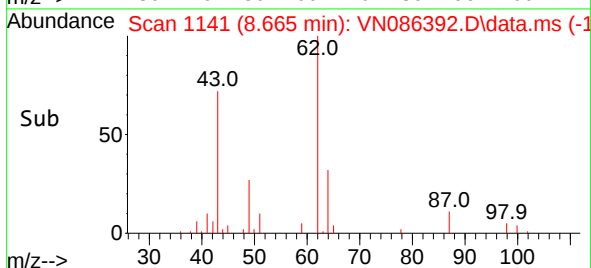
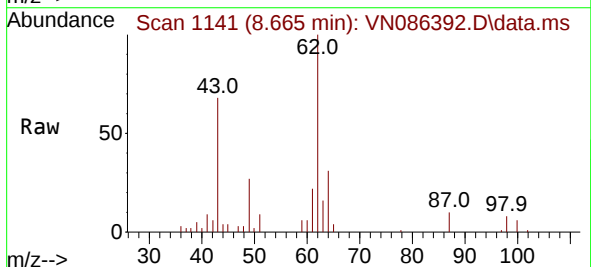
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

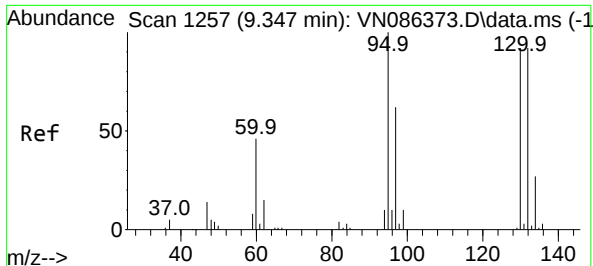


#36
1,2-Dichloroethane
Concen: 19.544 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

Tgt Ion: 62 Resp: 57245

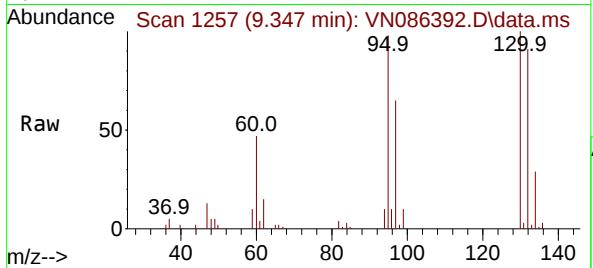
Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.6	11.4





#37
Trichloroethene
Concen: 19.233 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

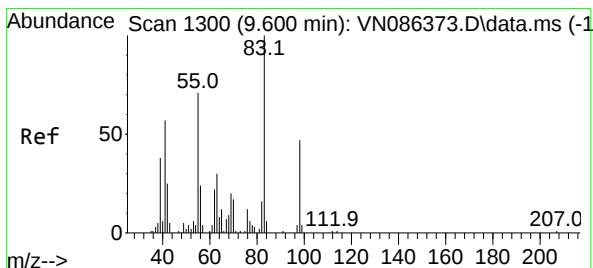
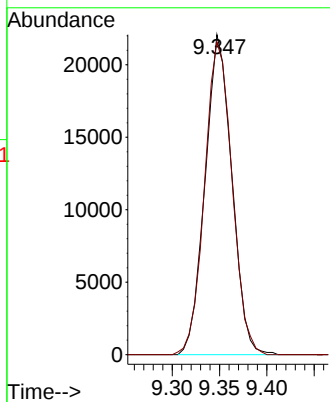
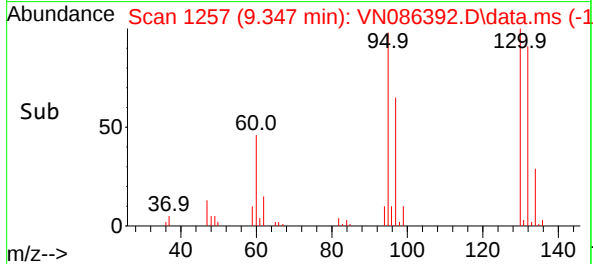
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



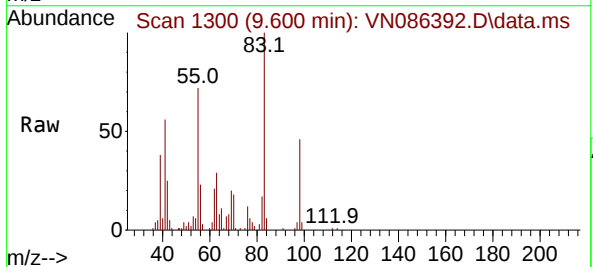
Tgt Ion:130 Resp: 43439
Ion Ratio Lower Upper
130 100
95 97.7 86.6 130.0

Manual Integrations
APPROVED

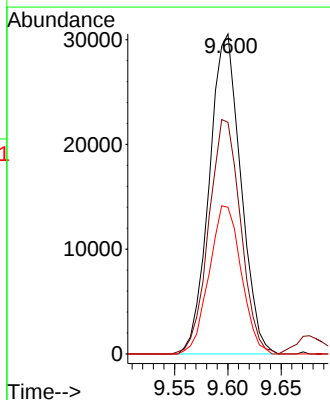
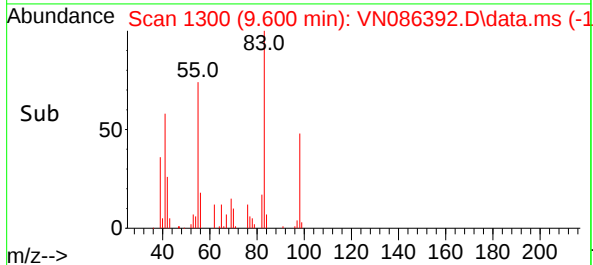
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

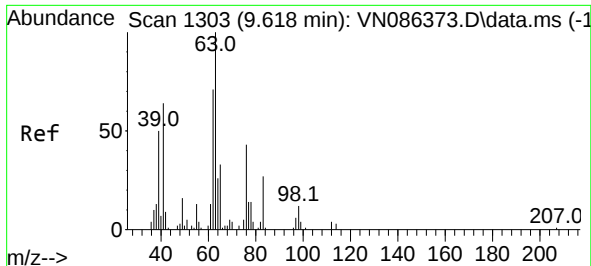


#38
Methylcyclohexane
Concen: 19.154 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10



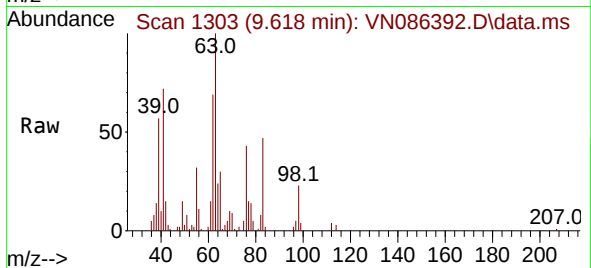
Tgt Ion: 83 Resp: 62749
Ion Ratio Lower Upper
83 100
55 74.1 37.3 111.9
98 47.2 23.8 71.5





#39
1,2-Dichloropropane
Concen: 19.440 ug/l
RT: 9.618 min Scan# 1303
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

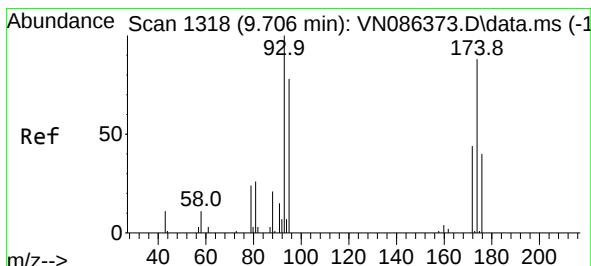
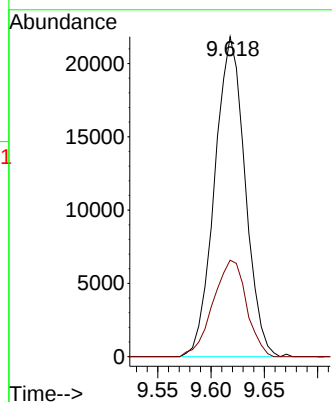
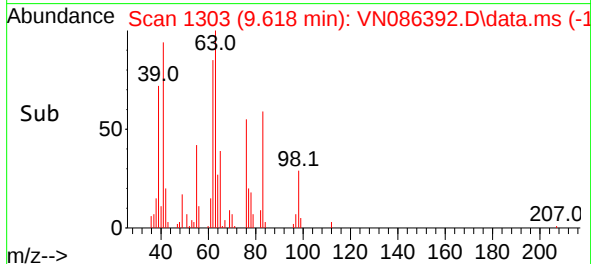
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 63 Resp: 43328
Ion Ratio Lower Upper
63 100
65 30.2 26.7 40.1

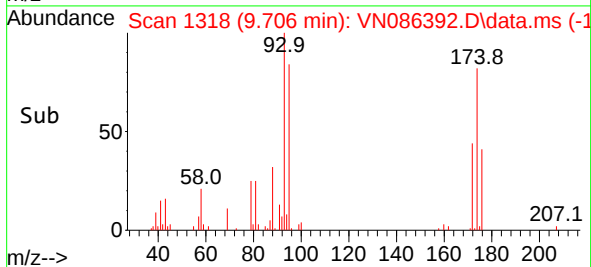
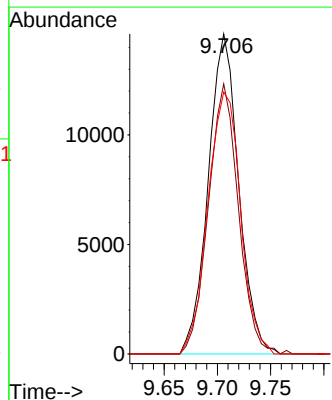
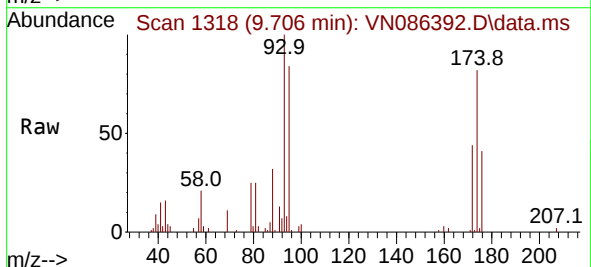
Manual Integrations
APPROVED

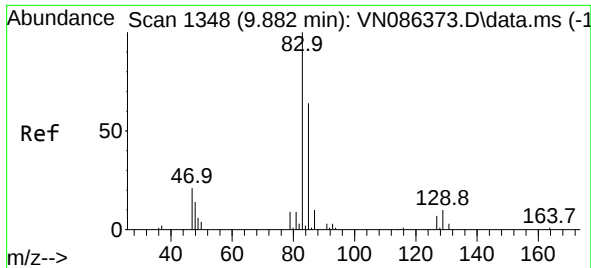
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#40
Dibromomethane
Concen: 19.477 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

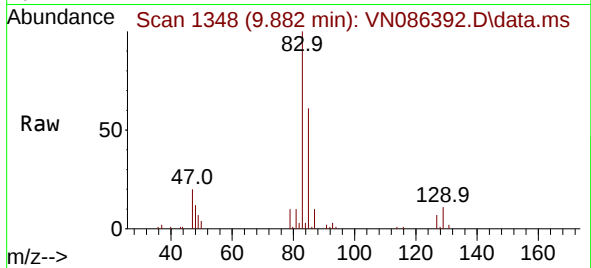
Tgt Ion: 93 Resp: 29031
Ion Ratio Lower Upper
93 100
95 83.2 0.0 159.2
174 87.8 0.0 171.4





#41
Bromodichloromethane
Concen: 19.736 ug/l
RT: 9.882 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

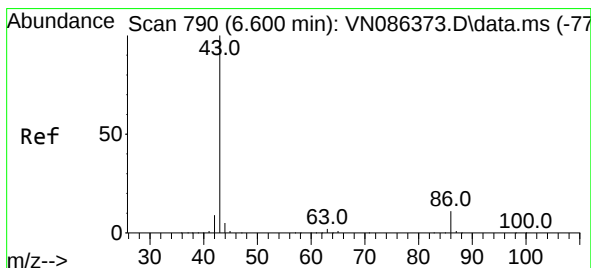
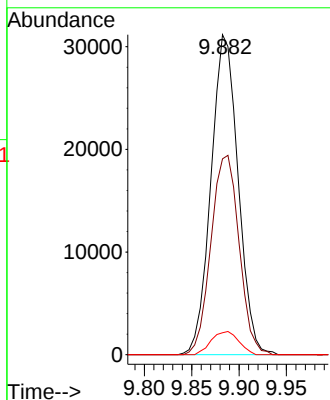
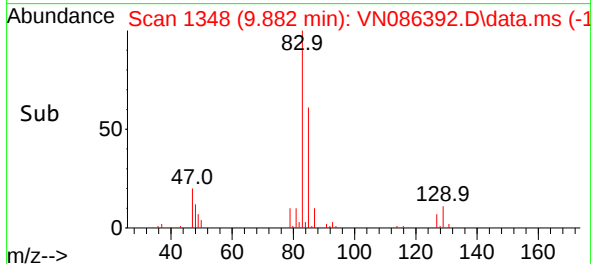
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



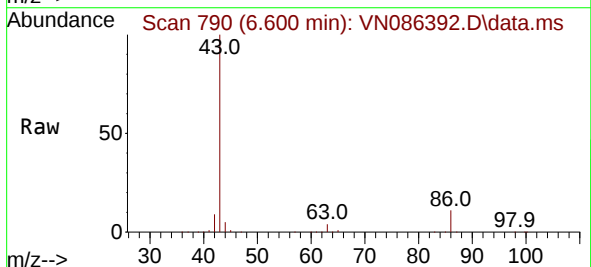
Tgt Ion: 83 Resp: 6225
Ion Ratio Lower Upper
83 100
85 61.2 51.1 76.7
127 6.9 5.9 8.9

Manual Integrations
APPROVED

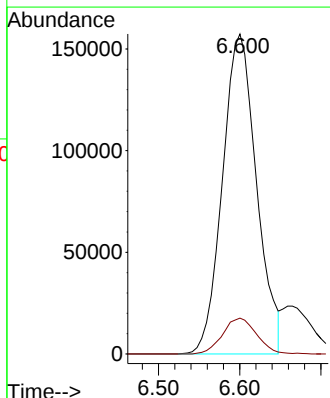
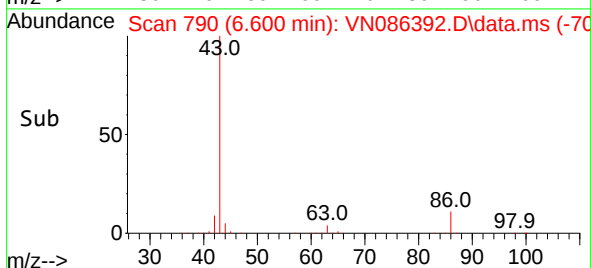
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

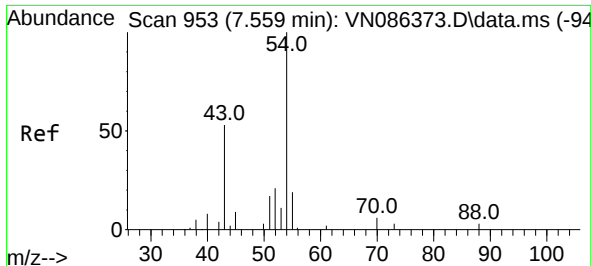


#42
Vinyl Acetate
Concen: 96.351 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10



Tgt Ion: 43 Resp: 459520
Ion Ratio Lower Upper
43 100
86 11.2 8.9 13.3





#43

Ethyl Acetate

Concen: 19.156 ug/l m

RT: 7.553 min Scan# 9

Delta R.T. -0.006 min

Lab File: VN086392.D

Acq: 24 Apr 2025 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 43 Resp: 5219

Ion Ratio Lower Upper

43 100

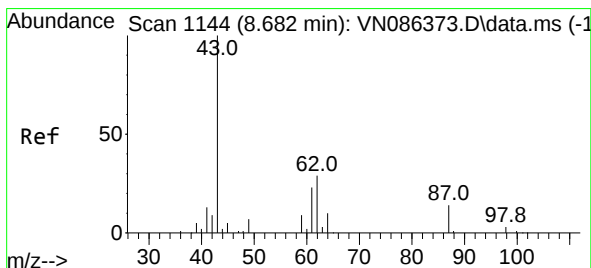
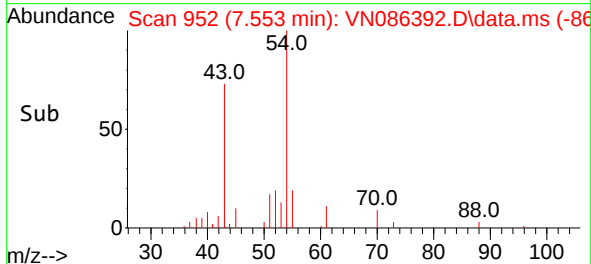
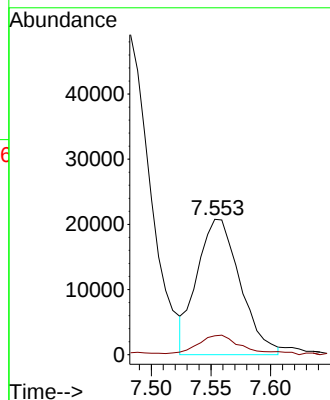
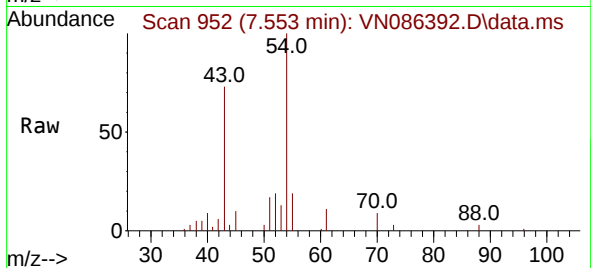
45 14.1 11.4 17.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/25/2025

Supervised By :Mahesh Dadoda 04/25/2025



#44

Isopropyl Acetate

Concen: 19.902 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VN086392.D

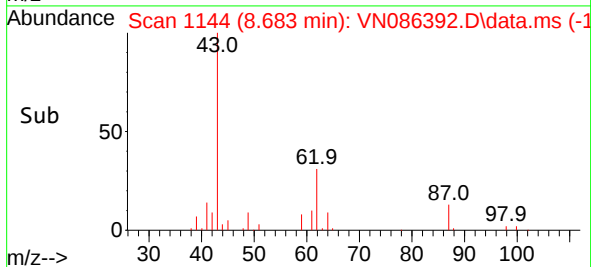
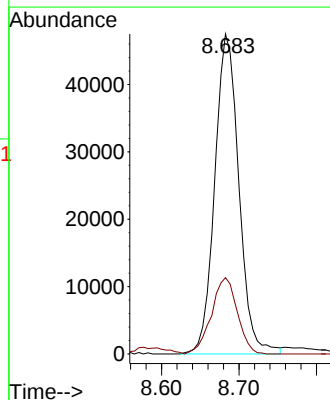
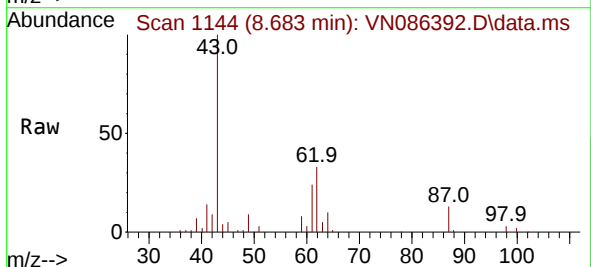
Acq: 24 Apr 2025 11:10

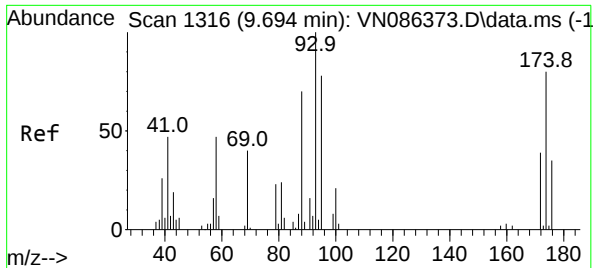
Tgt Ion: 43 Resp: 102912

Ion Ratio Lower Upper

43 100

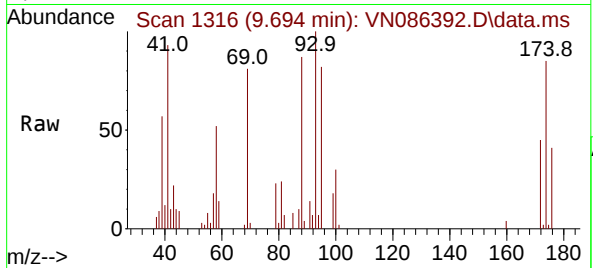
61 25.5 21.0 31.4





#45
1,4-Dioxane
Concen: 423.319 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

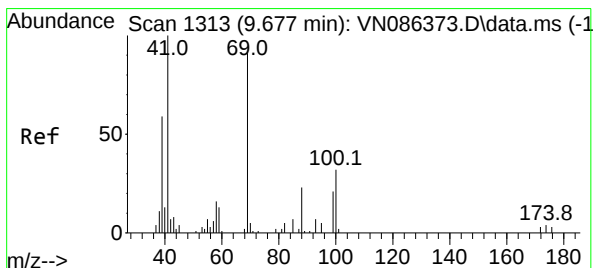
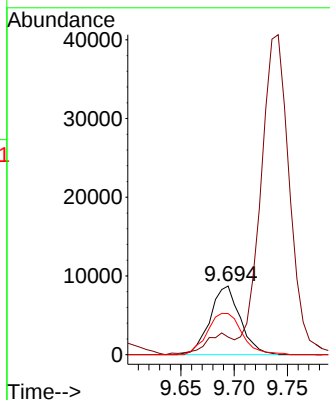
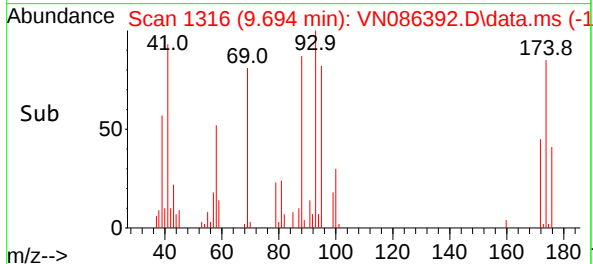
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



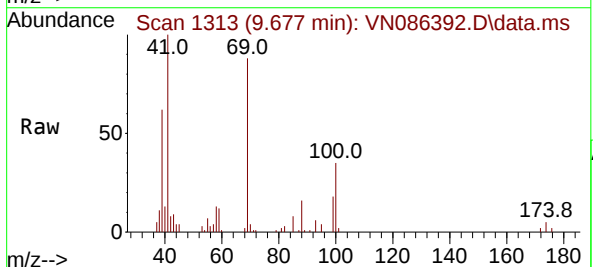
Tgt Ion: 88 Resp: 17079
Ion Ratio Lower Upper
88 100
43 28.7 24.9 37.3
58 69.6 57.8 86.8

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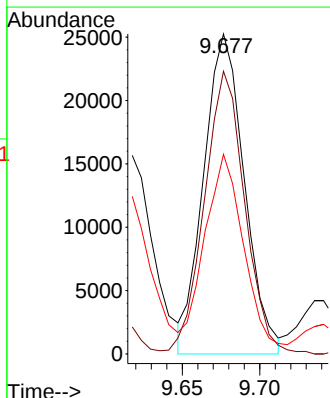
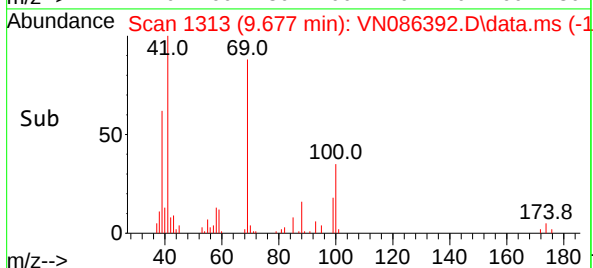
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

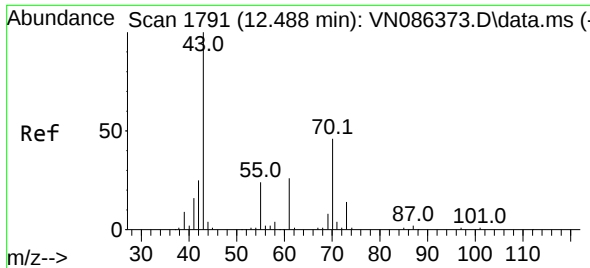


#46
Methyl methacrylate
Concen: 19.303 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10



Tgt Ion: 41 Resp: 46043
Ion Ratio Lower Upper
41 100
69 90.1 44.1 132.3
39 62.2 30.0 90.1





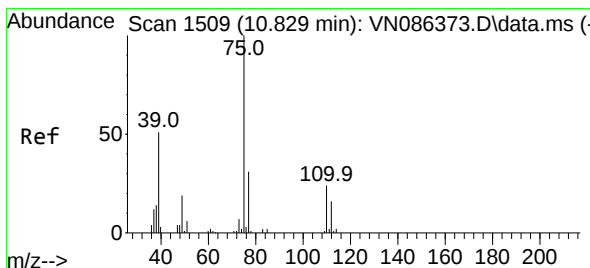
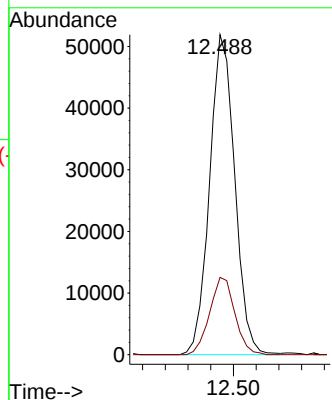
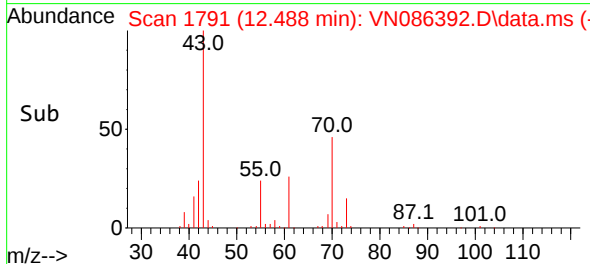
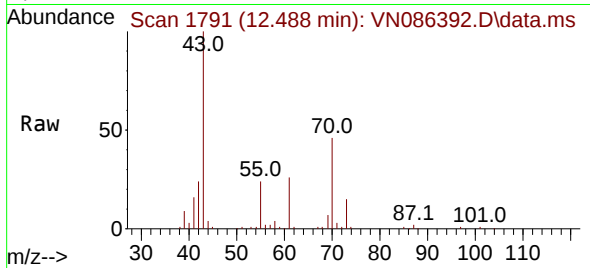
#47
n-amy1 Acetate
Concen: 18.090 ug/l
RT: 12.488 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 79730
Ion Ratio Lower Upper
43 100
55 24.2 19.4 29.0

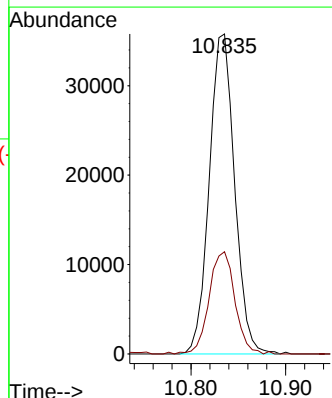
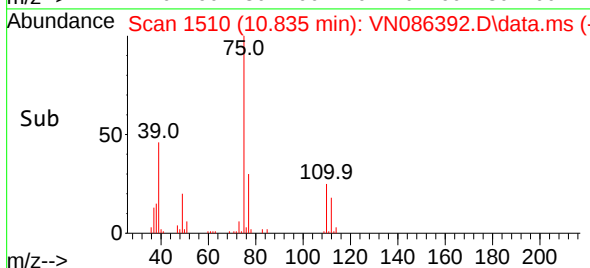
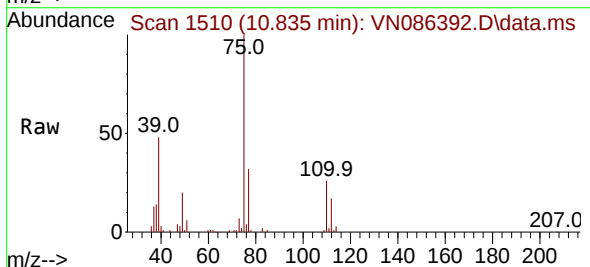
Manual Integrations
APPROVED

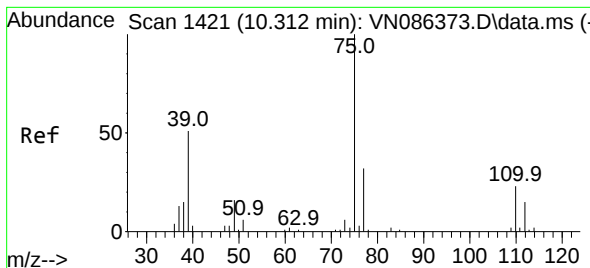
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#48
t-1,3-Dichloropropene
Concen: 18.846 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.006 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

Tgt Ion: 75 Resp: 66456
Ion Ratio Lower Upper
75 100
77 32.0 24.4 36.6





#49

cis-1,3-Dichloropropene

Concen: 19.223 ug/l

RT: 10.306 min Scan# 1421

Delta R.T. -0.006 min

Lab File: VN086392.D

Acq: 24 Apr 2025 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

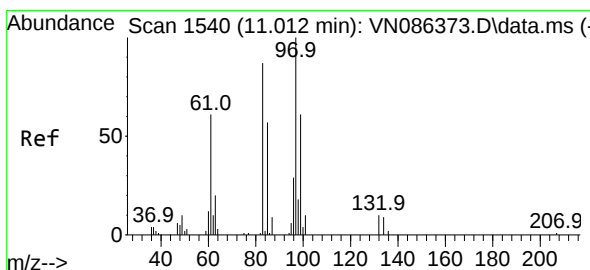
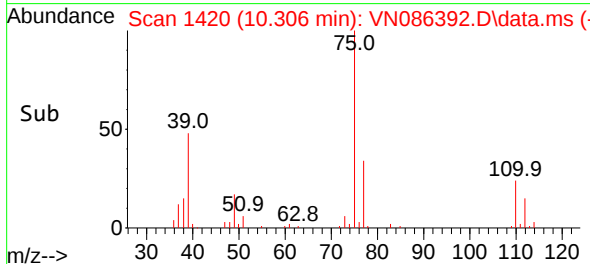
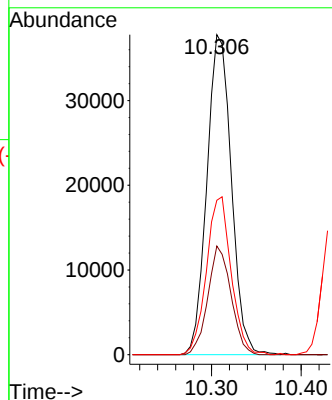
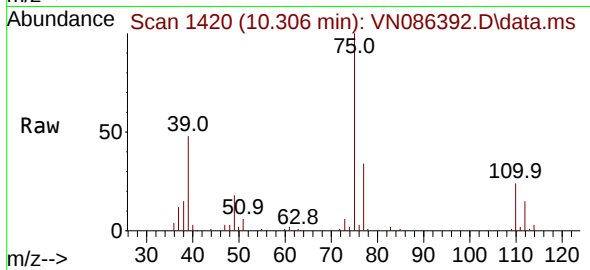
Tgt Ion: 75	Resp: 7148
Ion Ratio	Lower Upper
75 100	
77 33.9	25.6 38.4
39 48.3	40.6 60.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/25/2025

Supervised By :Mahesh Dadoda 04/25/2025



#50

1,1,2-Trichloroethane

Concen: 19.936 ug/l

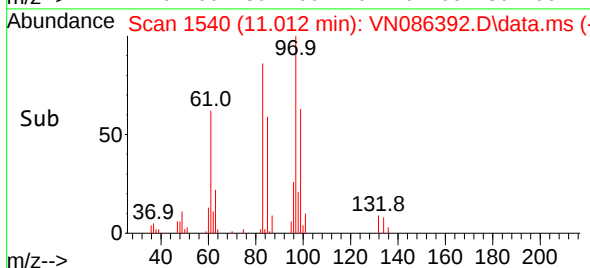
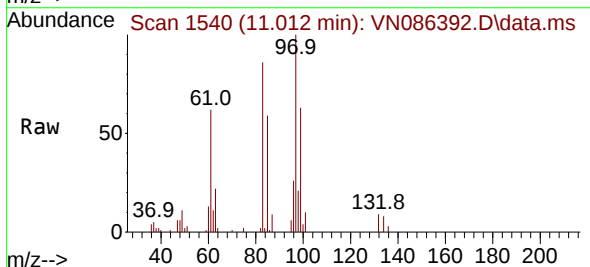
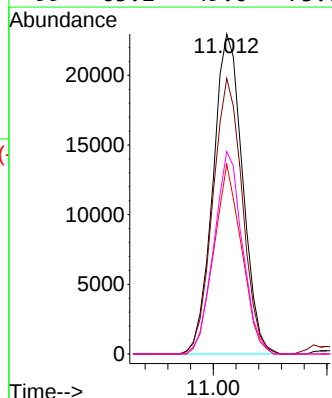
RT: 11.012 min Scan# 1540

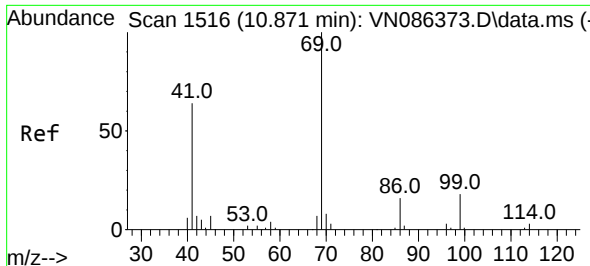
Delta R.T. 0.000 min

Lab File: VN086392.D

Acq: 24 Apr 2025 11:10

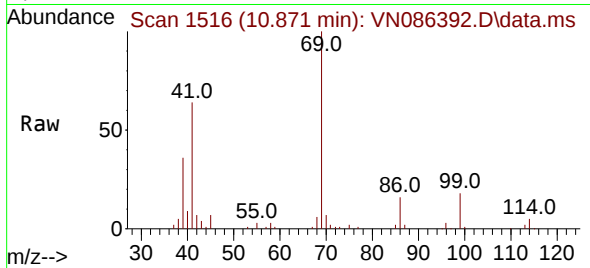
Tgt Ion: 97	Resp: 41506
Ion Ratio	Lower Upper
97 100	
83 86.1	69.3 103.9
85 59.3	45.5 68.3
99 63.2	49.0 73.6





#51
Ethyl methacrylate
Concen: 19.089 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

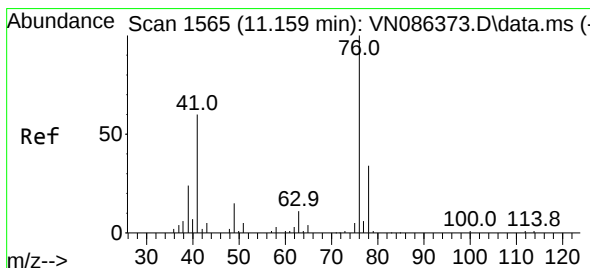
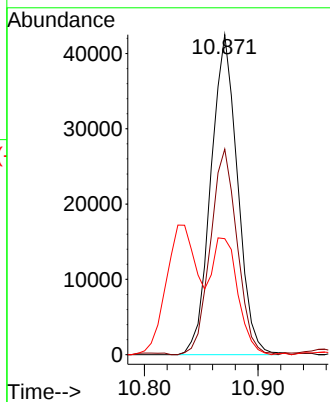
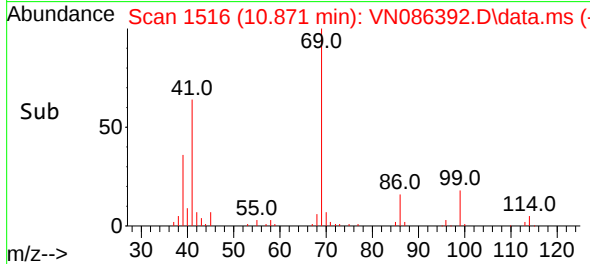
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 69 Resp: 69215
Ion Ratio Lower Upper
69 100
41 64.3 32.3 96.8
39 35.8 19.1 57.1

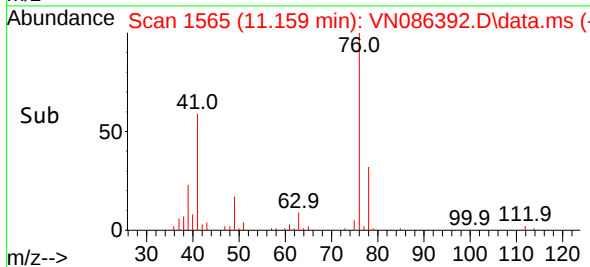
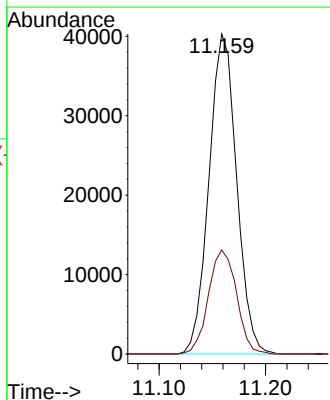
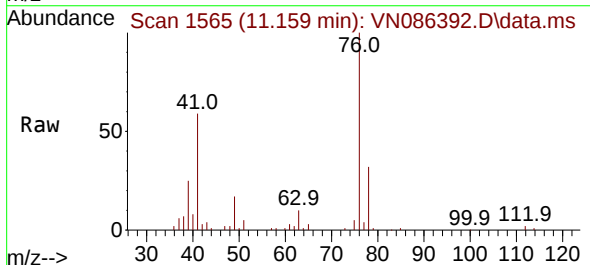
Manual Integrations
APPROVED

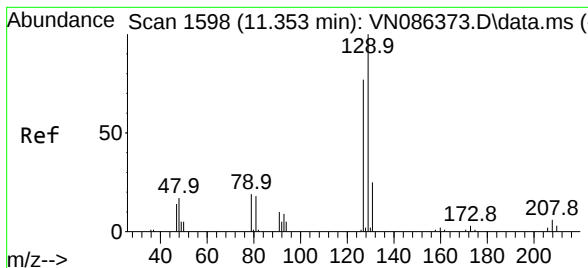
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#52
1,3-Dichloropropane
Concen: 19.766 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

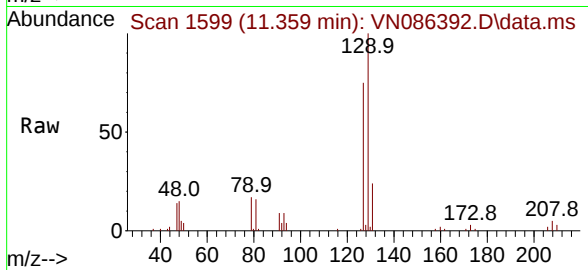
Tgt Ion: 76 Resp: 72729
Ion Ratio Lower Upper
76 100
78 32.9 0.0 65.6





#53
Dibromochloromethane
Concen: 19.739 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

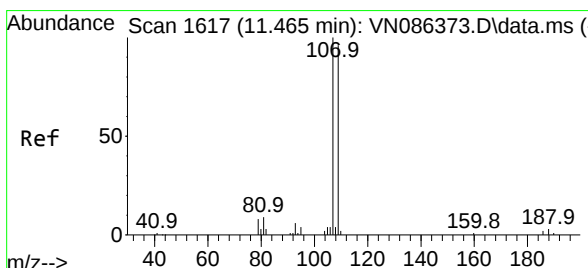
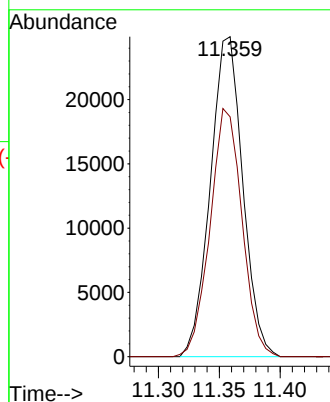
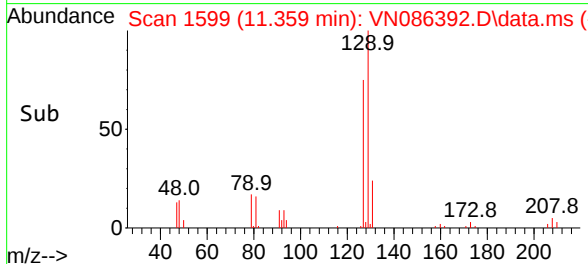
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



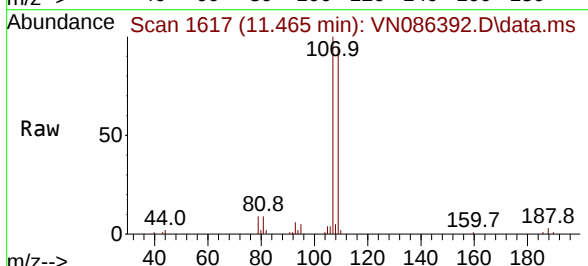
Tgt Ion:129 Resp: 46144
Ion Ratio Lower Upper
129 100
127 76.1 38.8 116.3

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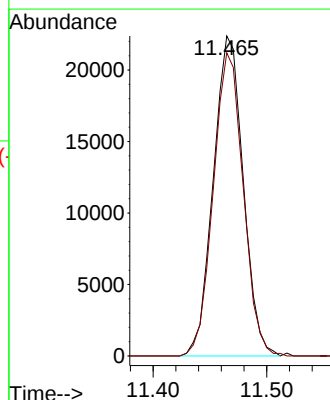
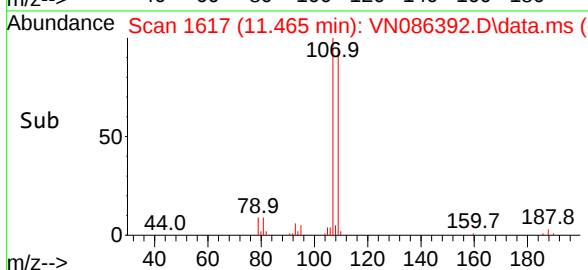
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

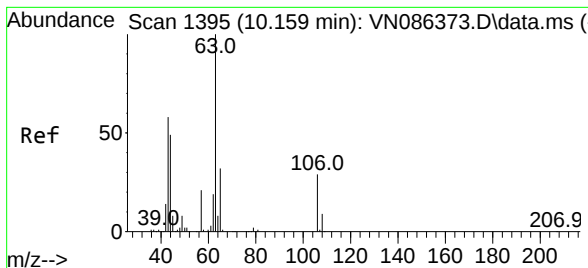


#54
1,2-Dibromoethane
Concen: 19.342 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10



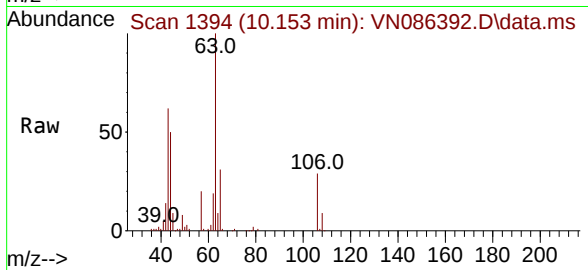
Tgt Ion:107 Resp: 40943
Ion Ratio Lower Upper
107 100
109 94.6 75.4 113.0





#55
2-Chloroethyl vinyl ether
Concen: 86.834 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

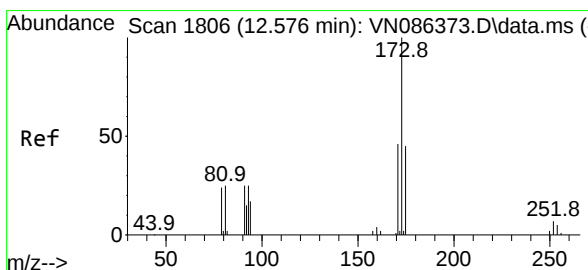
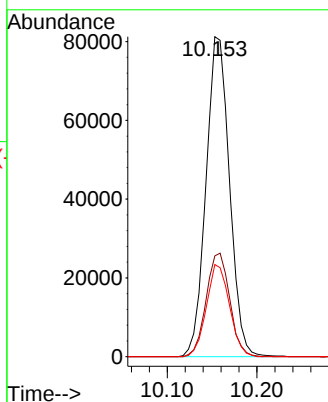
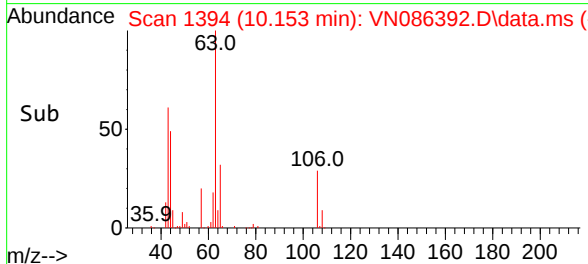
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 63 Resp: 148028
Ion Ratio Lower Upper
63 100
65 32.3 25.7 38.5
106 28.2 22.3 33.5

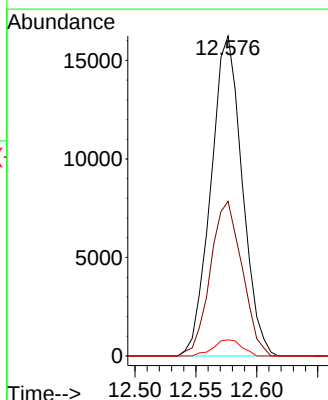
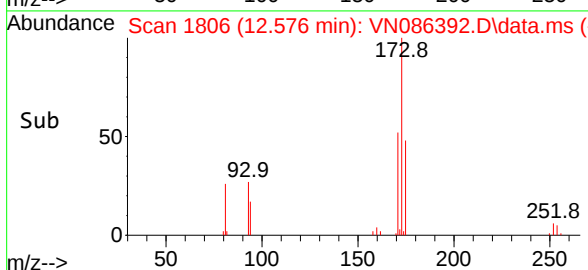
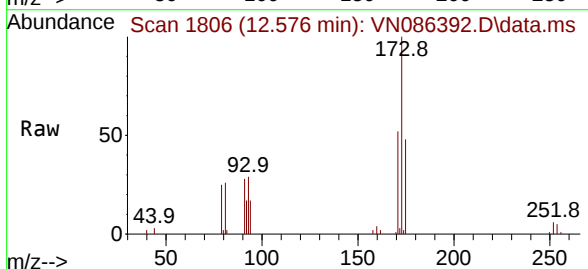
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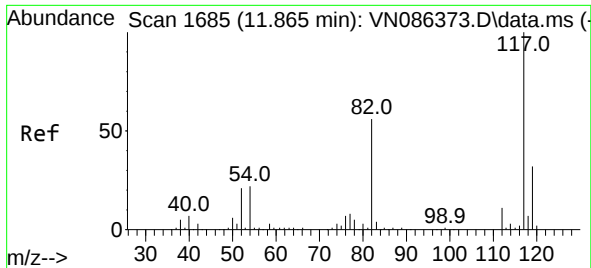
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#56
Bromoform
Concen: 19.161 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

Tgt Ion:173 Resp: 29068
Ion Ratio Lower Upper
173 100
175 49.0 39.0 58.6
254 4.6 3.8 5.6





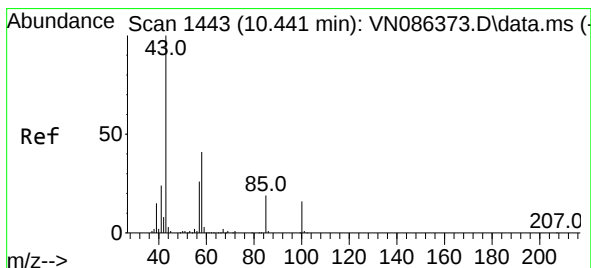
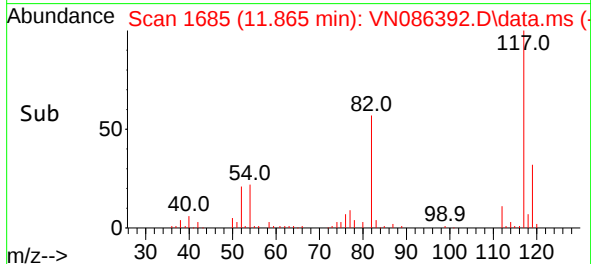
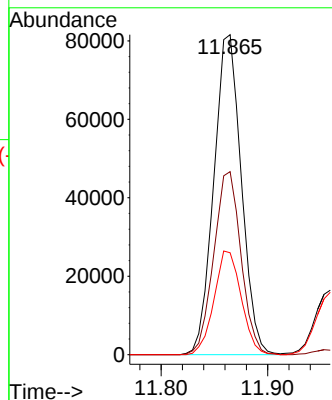
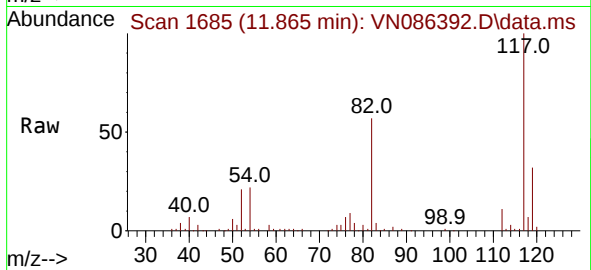
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:117 Resp: 14643
Ion Ratio Lower Upper
117 100
82 56.6 45.5 68.3
119 32.0 25.9 38.9

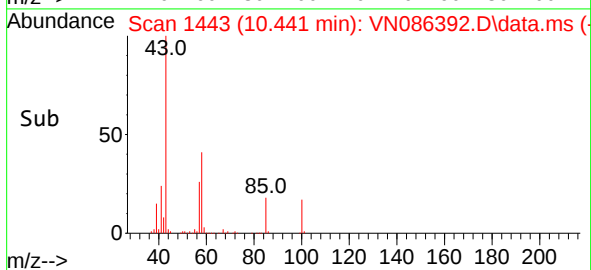
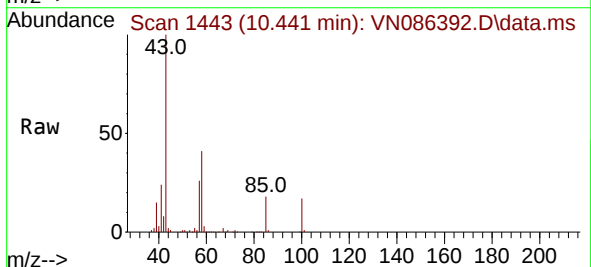
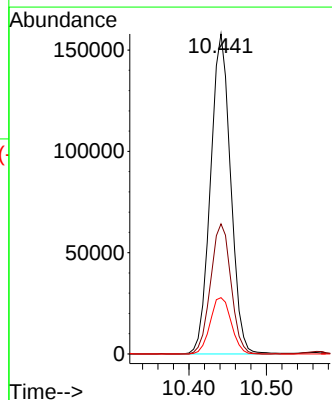
Manual Integrations
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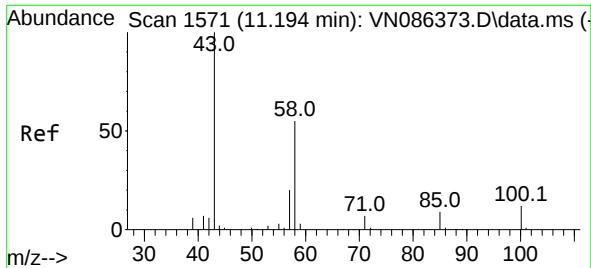
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#58
4-Methyl-2-Pentanone
Concen: 100.744 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

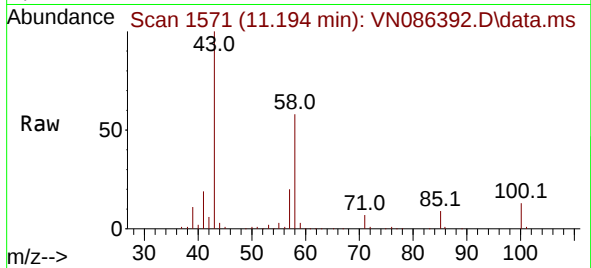
Tgt Ion: 43 Resp: 285476
Ion Ratio Lower Upper
43 100
58 41.2 33.0 49.6
85 18.4 14.9 22.3





#59
2-Hexanone
Concen: 99.415 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

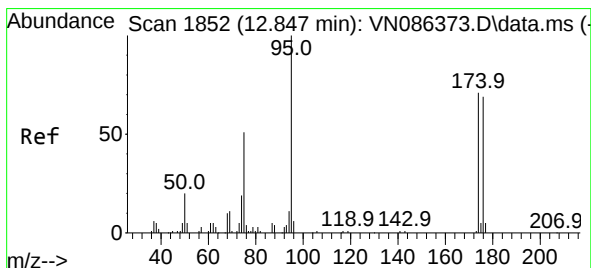
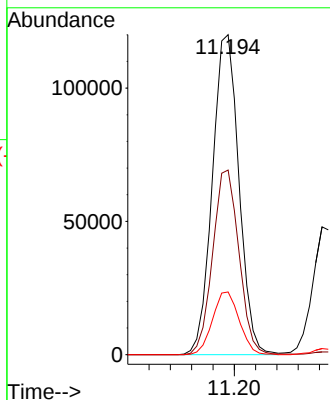
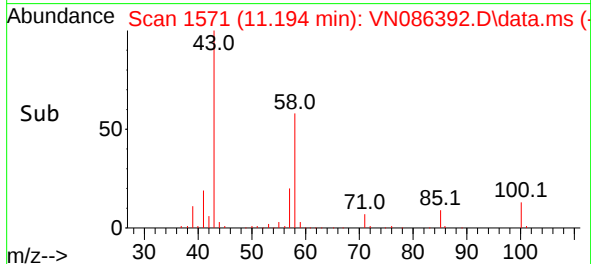
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



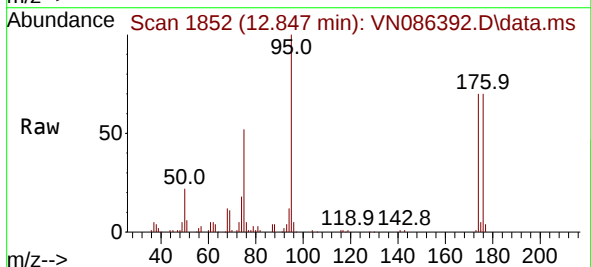
Tgt Ion: 43 Resp: 207600
Ion Ratio Lower Upper
43 100
58 57.2 45.0 67.6
57 19.7 15.5 23.3

Manual Integrations
APPROVED

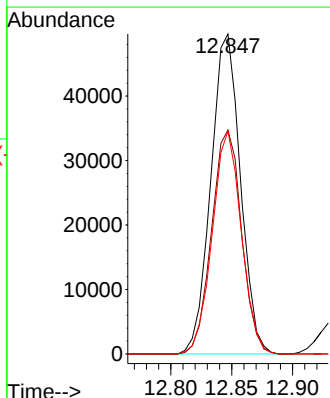
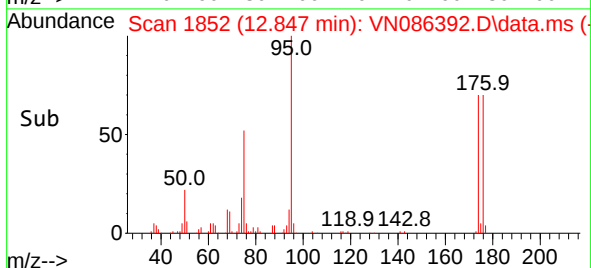
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

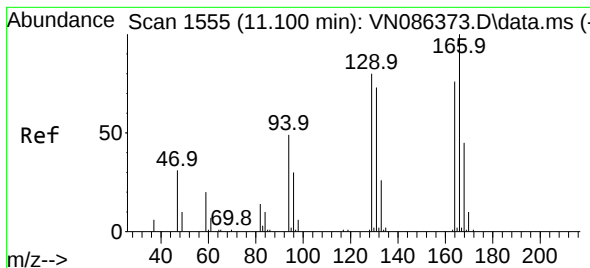


#60
4-Bromofluorobenzene
Concen: 29.111 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10



Tgt Ion: 95 Resp: 83781
Ion Ratio Lower Upper
95 100
174 70.7 56.6 84.8
176 68.3 53.3 79.9





#61

Tetrachloroethene

Concen: 19.274 ug/l

RT: 11.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN086392.D

Acq: 24 Apr 2025 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:164 Resp: 4304

Ion Ratio Lower Upper

164 100

166 130.9 105.0 157.4

129 103.0 83.9 125.9

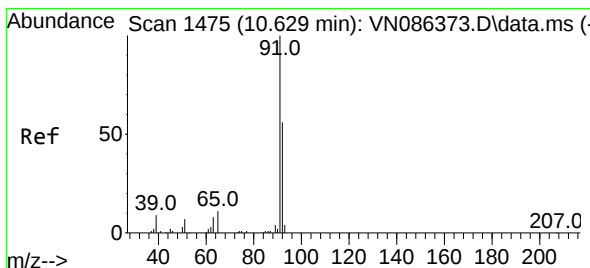
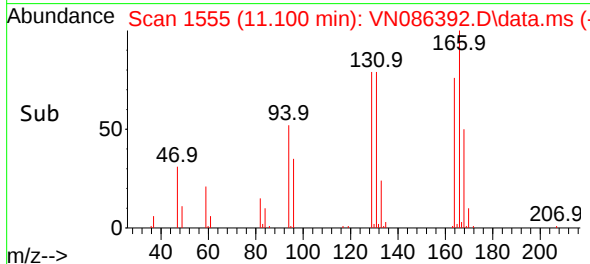
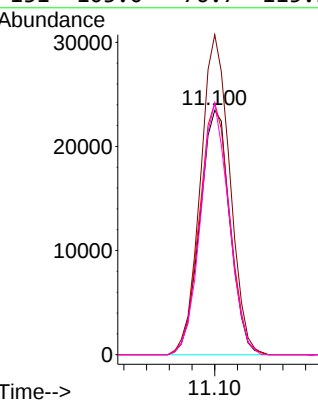
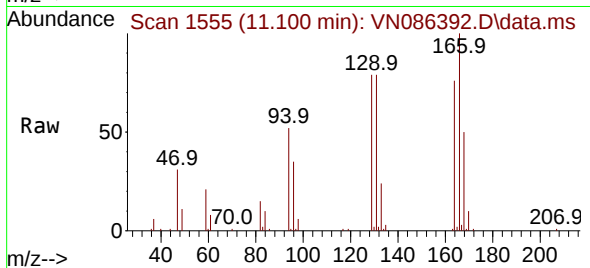
131 103.0 76.7 115.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/25/2025

Supervised By :Mahesh Dadoda 04/25/2025



#62

Toluene

Concen: 19.748 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN086392.D

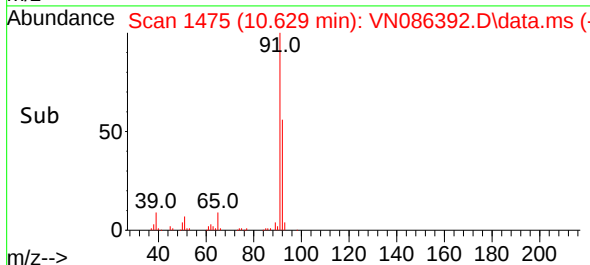
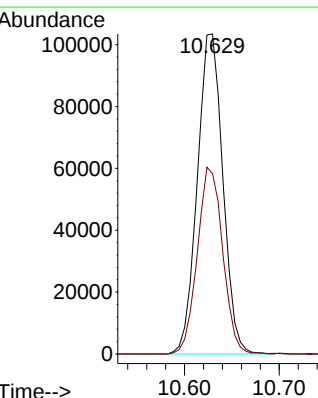
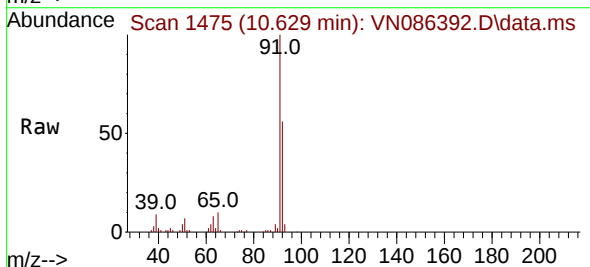
Acq: 24 Apr 2025 11:10

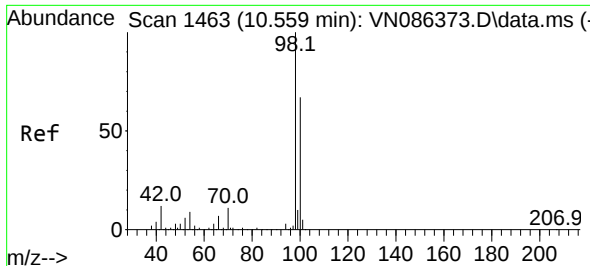
Tgt Ion: 91 Resp: 193566

Ion Ratio Lower Upper

91 100

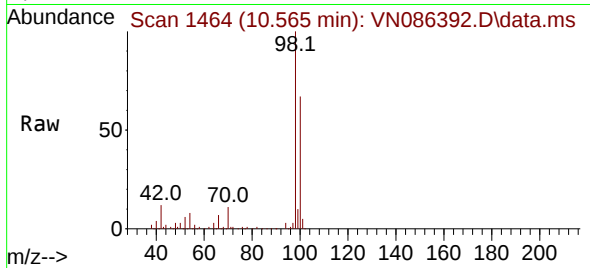
92 57.9 45.7 68.5





#63
Toluene-d8
Concen: 29.958 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

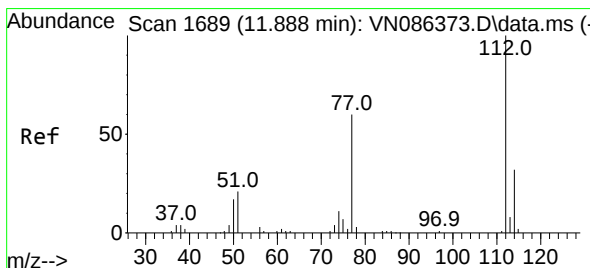
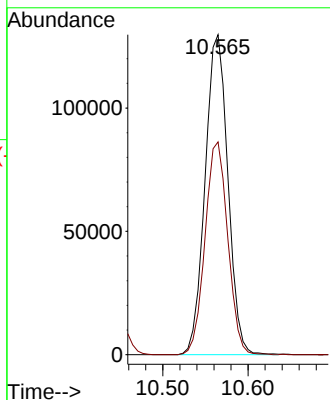
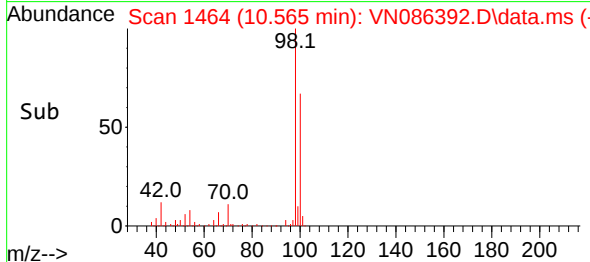
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 98 Resp: 241338
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7

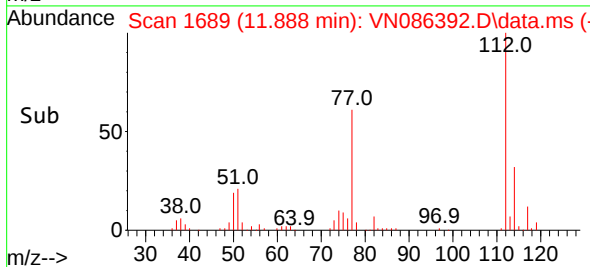
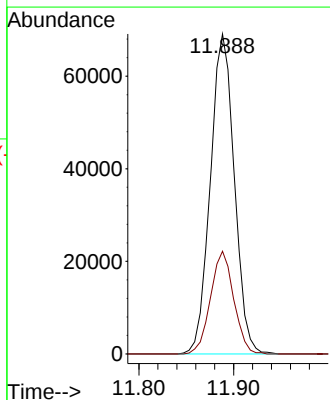
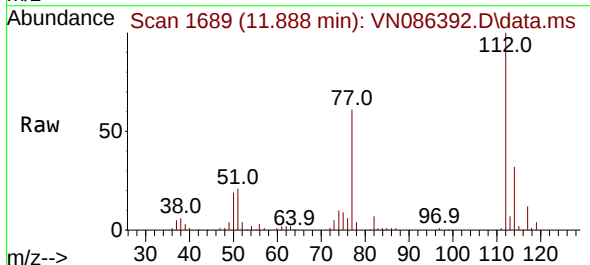
Manual Integrations
APPROVED

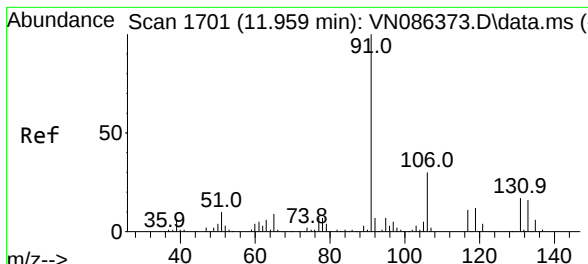
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#64
Chlorobenzene
Concen: 19.930 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

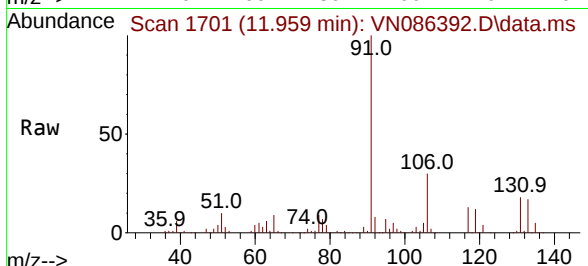
Tgt Ion:112 Resp: 121722
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4





#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.427 ug/l
 RT: 11.959 min Scan# 1701
 Delta R.T. 0.000 min
 Lab File: VN086392.D
 Acq: 24 Apr 2025 11:10

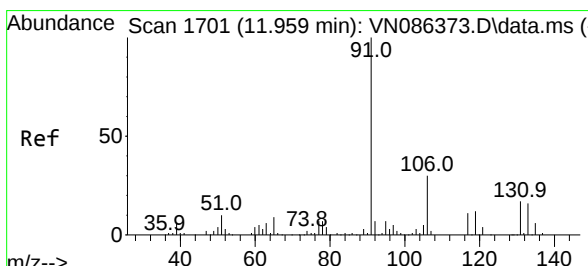
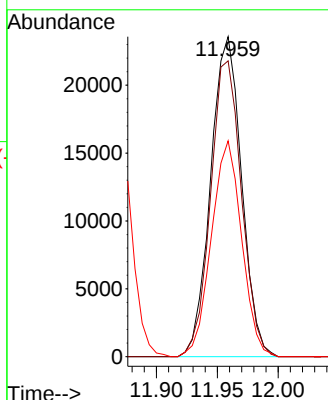
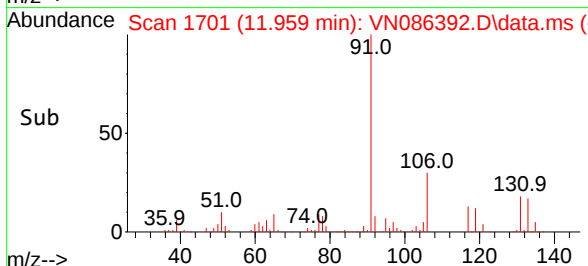
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



Tgt Ion:131 Resp: 41714
 Ion Ratio Lower Upper
 131 100
 133 92.6 0.0 191.4
 119 66.0 0.0 133.6

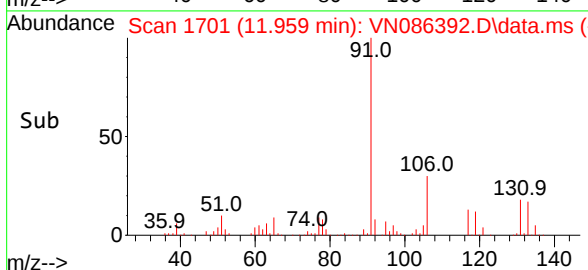
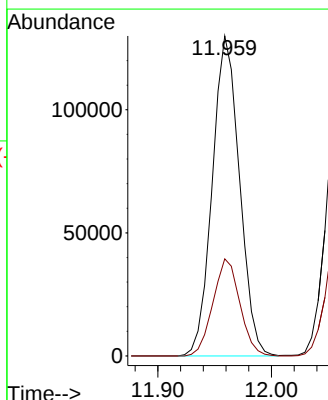
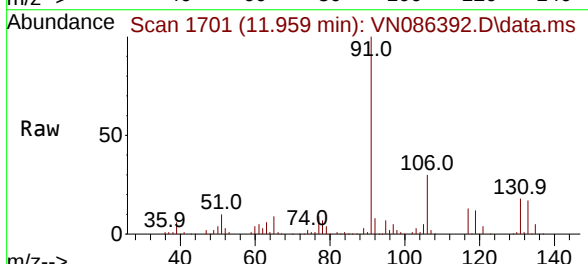
Manual Integrations
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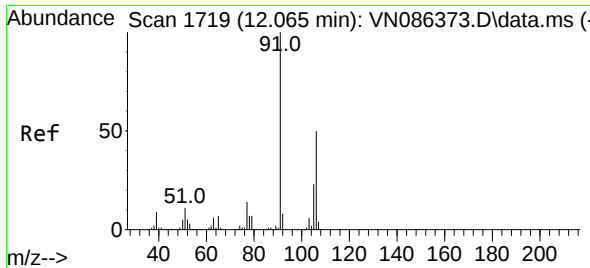
Reviewed By :John Carlone 04/25/2025
 Supervised By :Mahesh Dadoda 04/25/2025



#66
 Ethyl Benzene
 Concen: 19.595 ug/l
 RT: 11.959 min Scan# 1701
 Delta R.T. 0.000 min
 Lab File: VN086392.D
 Acq: 24 Apr 2025 11:10

Tgt Ion: 91 Resp: 216192
 Ion Ratio Lower Upper
 91 100
 106 30.3 24.3 36.5





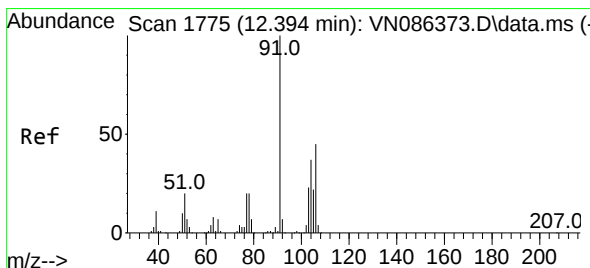
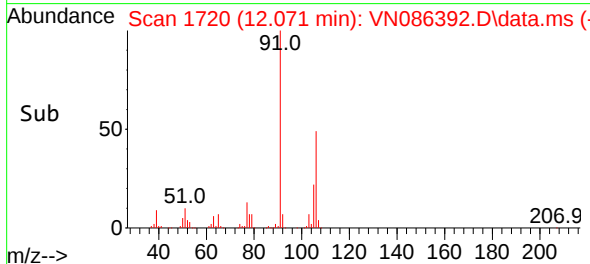
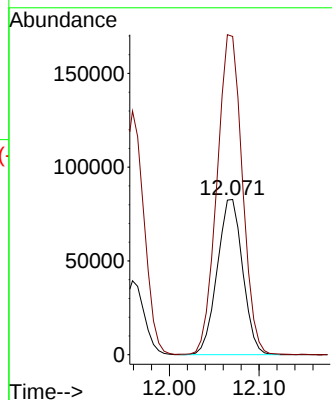
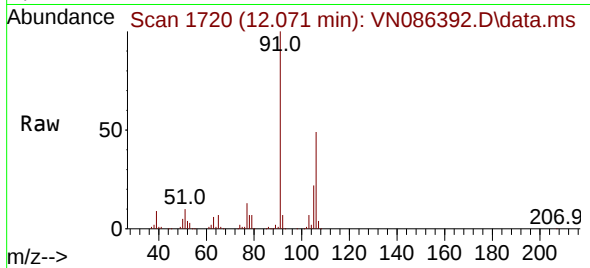
#67
m/p-Xylenes
Concen: 38.980 ug/l
RT: 12.071 min Scan# 1719
Delta R.T. 0.006 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 16317
Ion Ratio Lower Upper
106 100
91 205.4 162.6 243.8

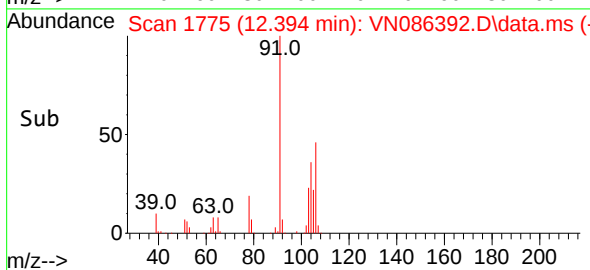
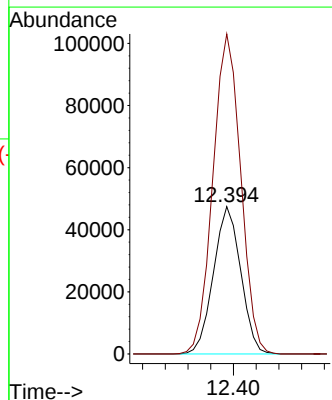
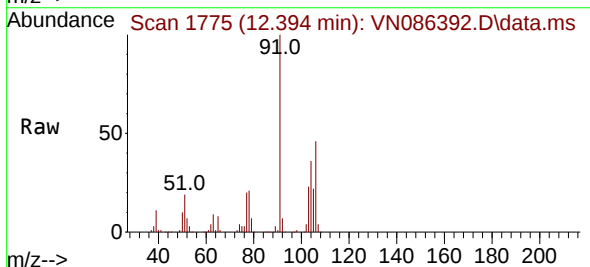
Manual Integrations
APPROVED

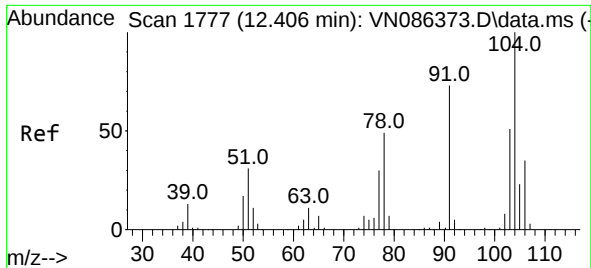
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#68
o-Xylene
Concen: 19.319 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

Tgt Ion:106 Resp: 79183
Ion Ratio Lower Upper
106 100
91 221.4 110.6 331.6





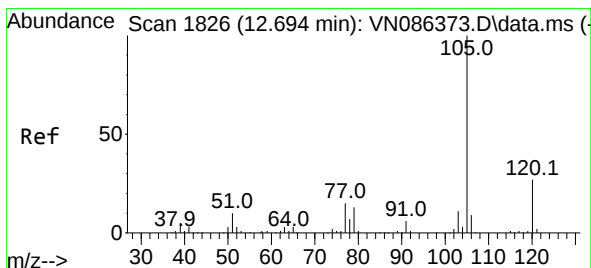
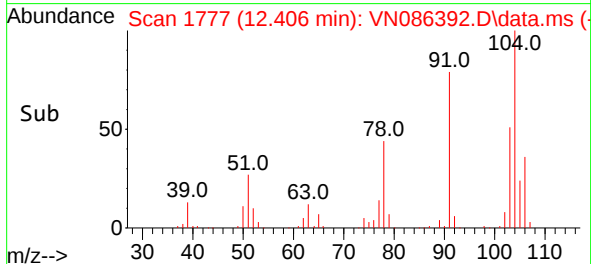
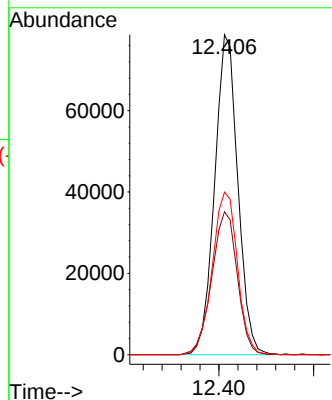
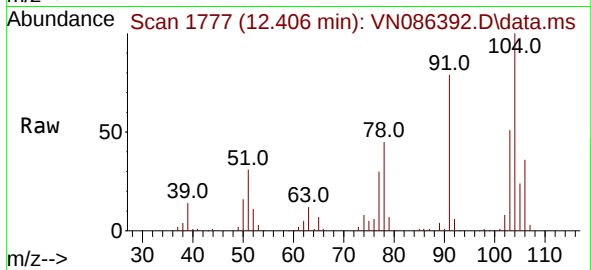
#69
Styrene
Concen: 19.259 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:104 Resp: 133790
Ion Ratio Lower Upper
104 100
78 49.2 40.2 60.4
103 55.3 43.8 65.8

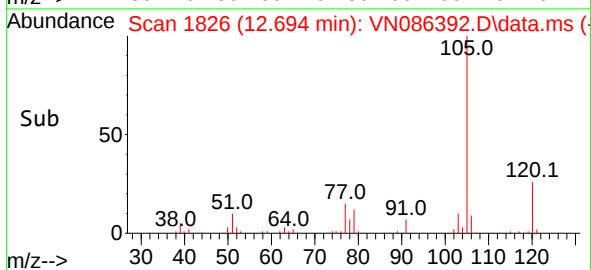
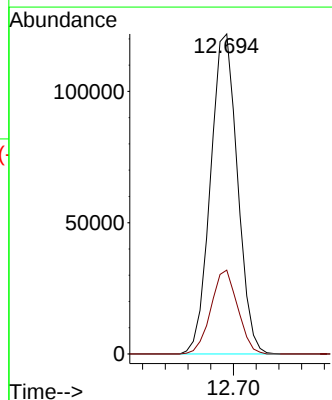
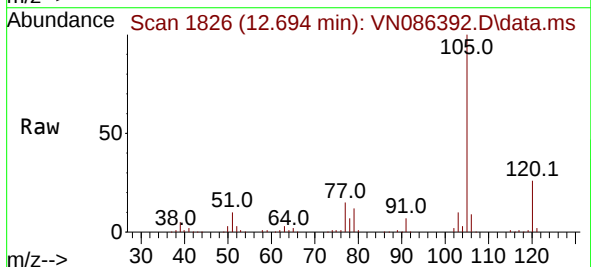
Manual Integrations
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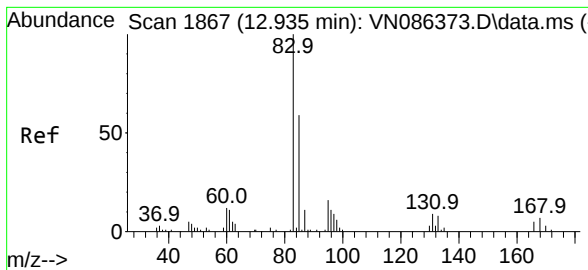
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#70
Isopropylbenzene
Concen: 19.652 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

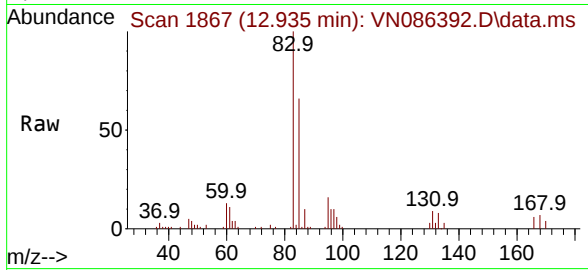
Tgt Ion:105 Resp: 201076
Ion Ratio Lower Upper
105 100
120 26.0 18.2 33.8





#71
1,1,2,2-Tetrachloroethane
Concen: 20.865 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

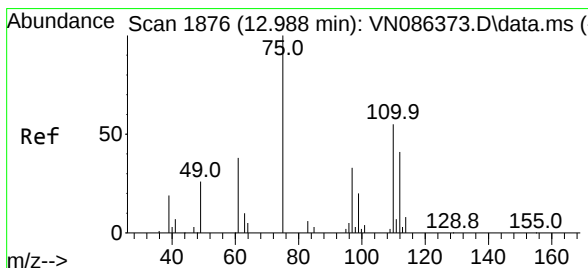
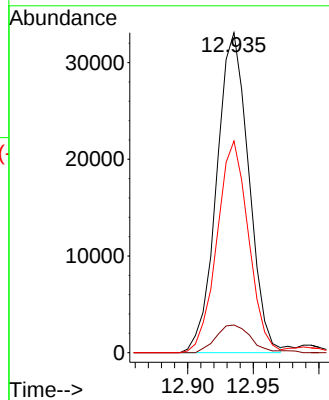
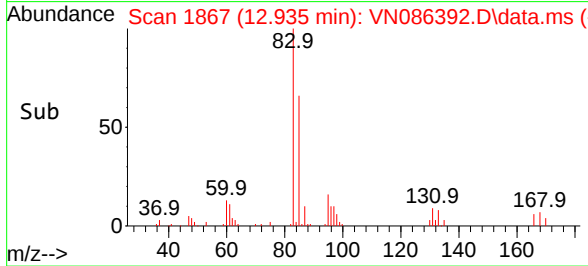
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 83 Resp: 5621
Ion Ratio Lower Upper
83 100
131 9.2 4.5 13.7
85 65.0 31.7 95.1

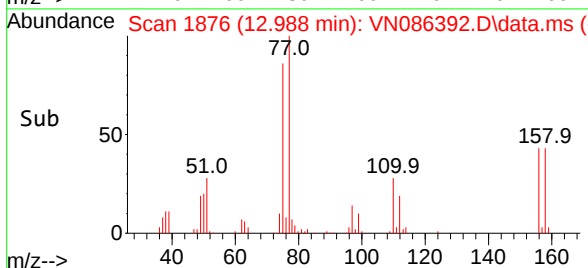
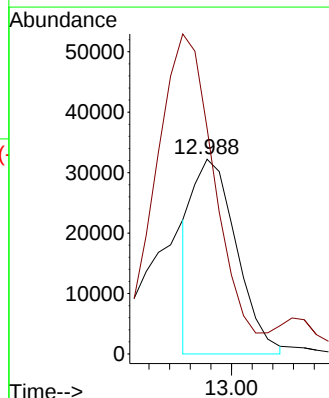
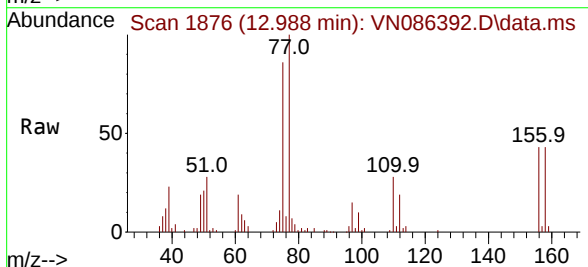
Manual Integrations
APPROVED

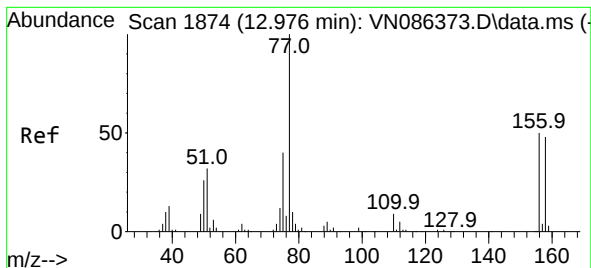
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#72
1,2,3-Trichloropropane
Concen: 20.186 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

Tgt Ion: 75 Resp: 47412
Ion Ratio Lower Upper
75 100
77 223.0 0.0 464.4





#73

Bromobenzene

Concen: 19.822 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. 0.000 min

Lab File: VN086392.D

Acq: 24 Apr 2025 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

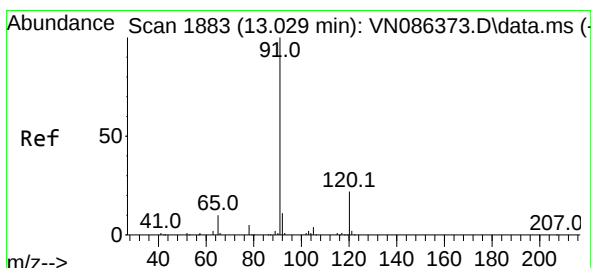
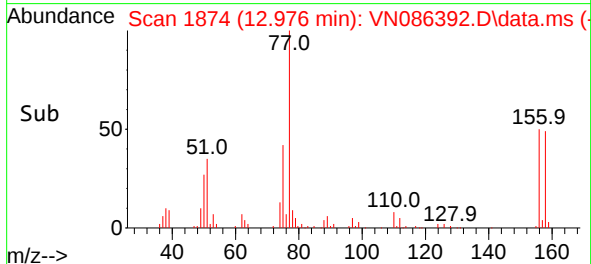
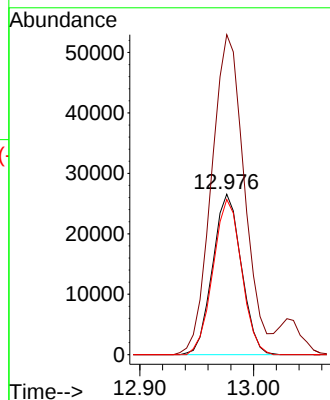
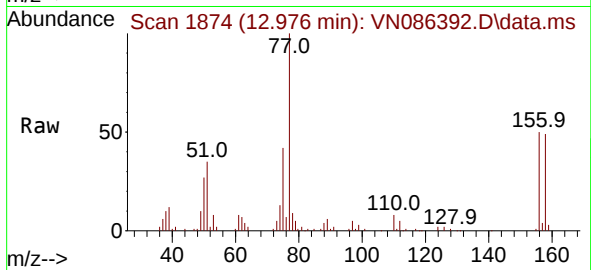
Tgt Ion:	156	Resp:	46620
Ion Ratio	Lower	Upper	
156	100		
77	226.8	0.0	463.4
158	96.0	0.0	191.8

Manual Integrations

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Reviewed By :John Carlone 04/25/2025

Supervised By :Mahesh Dadoda 04/25/2025



#74

n-propylbenzene

Concen: 19.354 ug/l

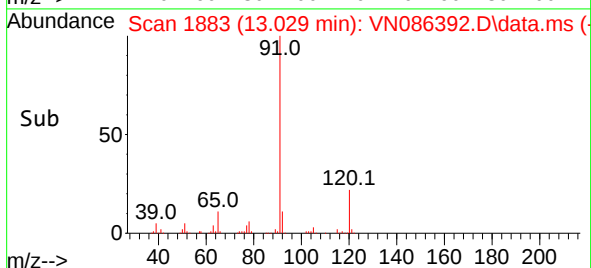
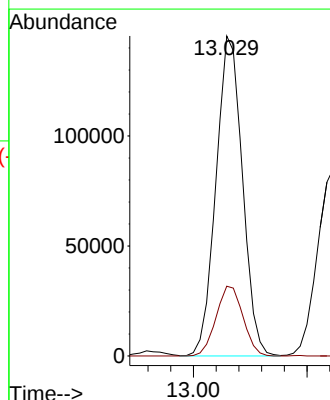
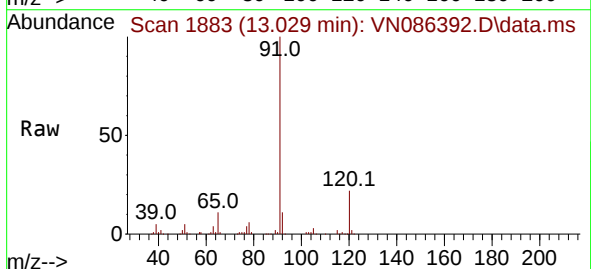
RT: 13.029 min Scan# 1883

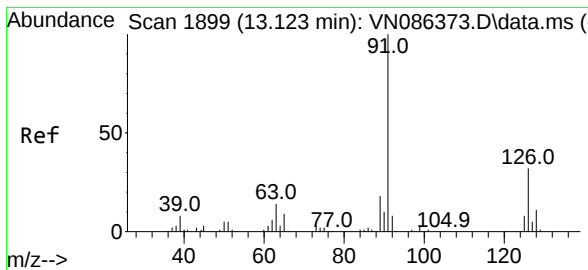
Delta R.T. 0.000 min

Lab File: VN086392.D

Acq: 24 Apr 2025 11:10

Tgt Ion:	91	Resp:	235314
Ion Ratio	Lower	Upper	
91	100		
120	22.2	0.0	43.8





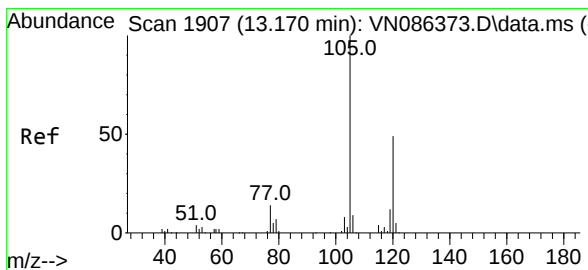
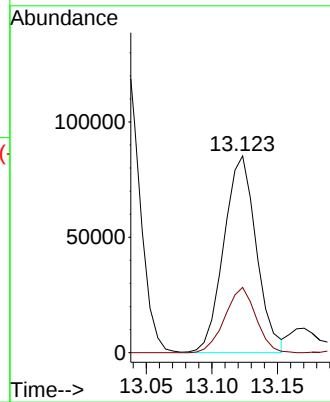
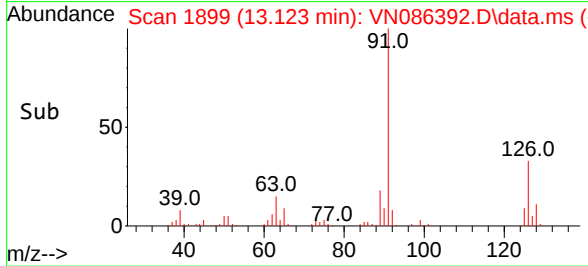
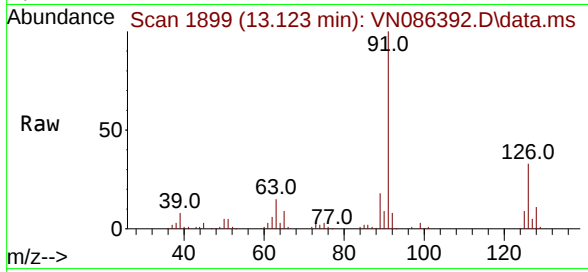
#75
2-Chlorotoluene
Concen: 19.388 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 147150
Ion Ratio Lower Upper
91 100
126 31.6 0.0 65.0

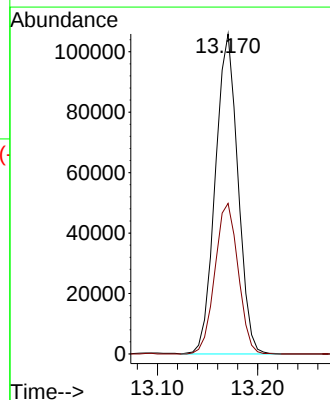
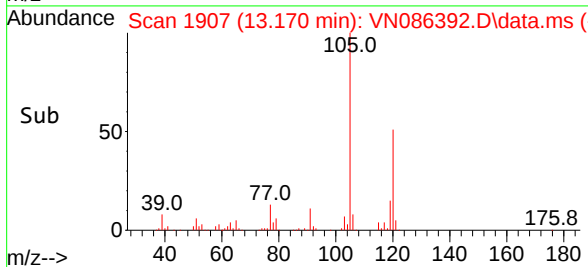
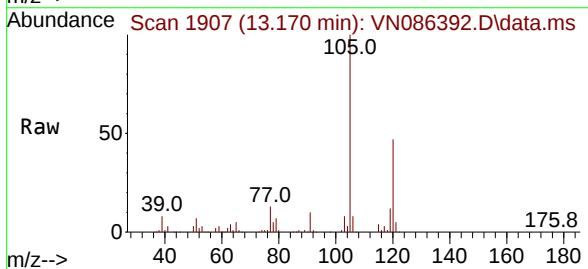
Manual Integrations
APPROVED

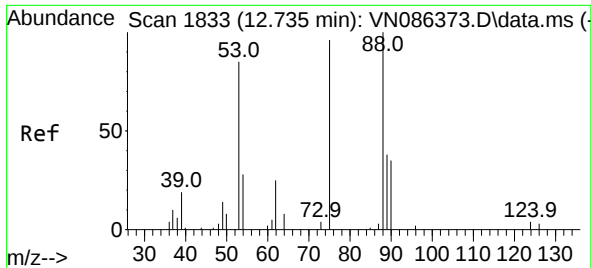
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#76
1,3,5-Trimethylbenzene
Concen: 19.761 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

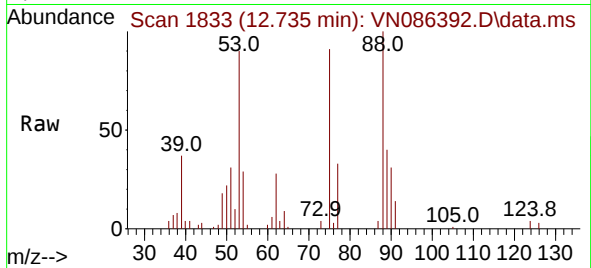
Tgt Ion:105 Resp: 165894
Ion Ratio Lower Upper
105 100
120 48.3 0.0 97.6





#77
t-1,4-Dichloro-2-butene
Concen: 18.448 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

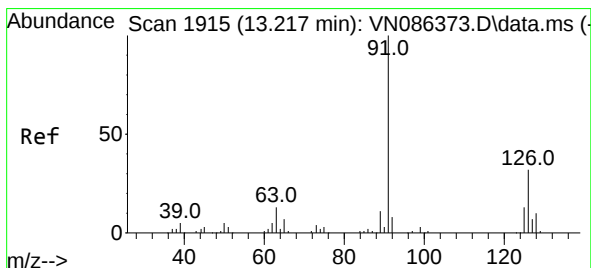
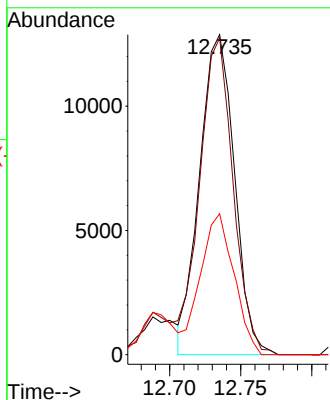
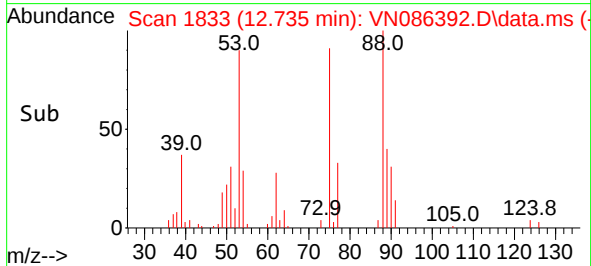
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



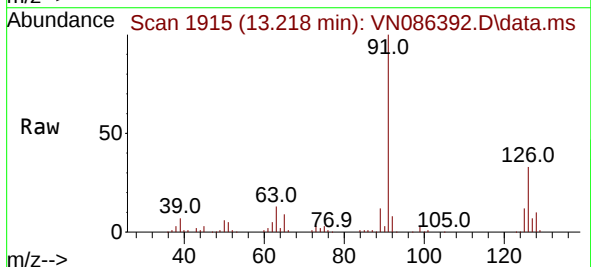
Tgt Ion: 75 Resp: 21990
Ion Ratio Lower Upper
75 100
53 98.9 46.0 138.0
89 44.1 21.6 64.6

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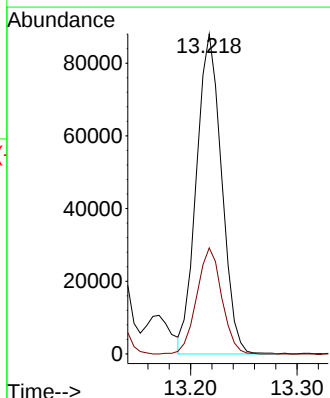
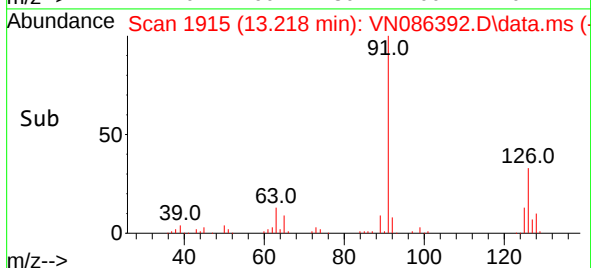
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

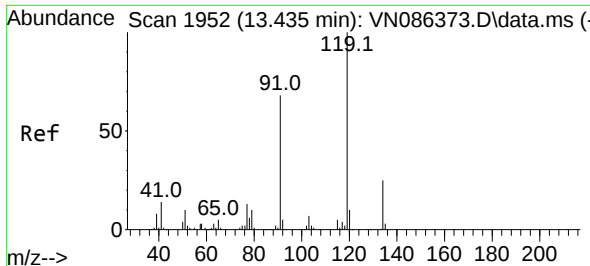


#78
4-Chlorotoluene
Concen: 19.084 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10



Tgt Ion: 91 Resp: 144829
Ion Ratio Lower Upper
91 100
126 32.8 0.0 65.4





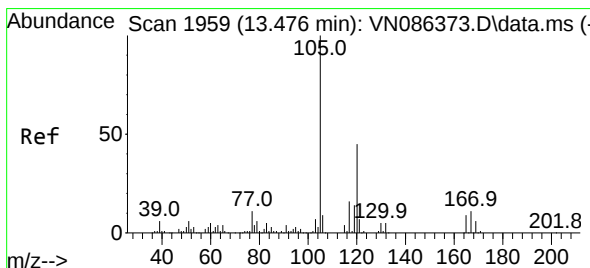
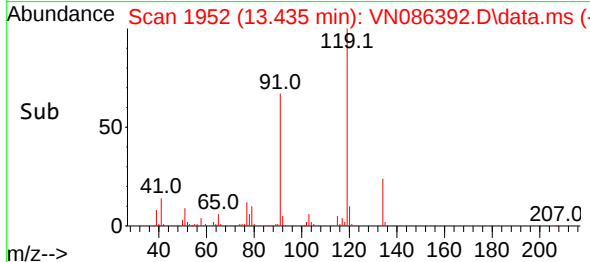
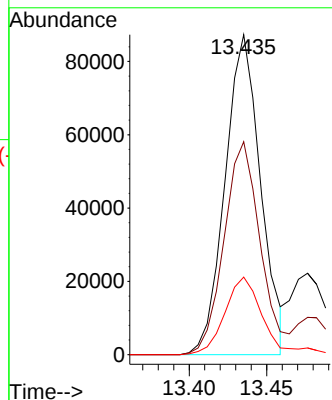
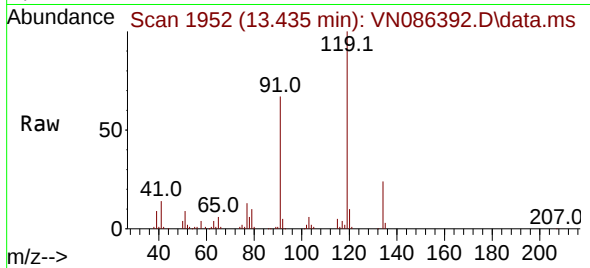
#79
tert-butylbenzene
Concen: 19.393 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:119 Resp: 139430
Ion Ratio Lower Upper
119 100
91 68.0 0.0 137.4
134 24.7 0.0 49.2

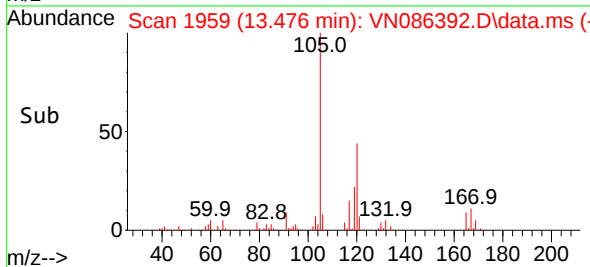
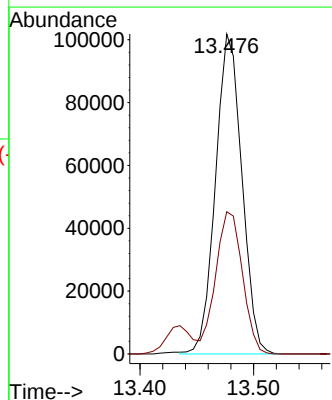
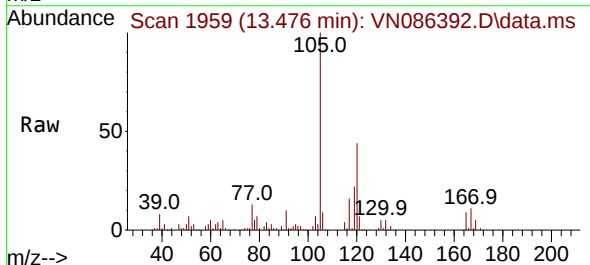
Manual Integrations
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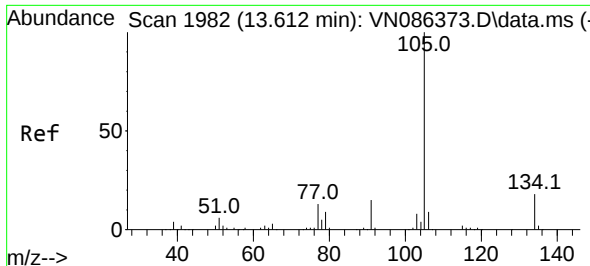
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#80
1,2,4-Trimethylbenzene
Concen: 19.143 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

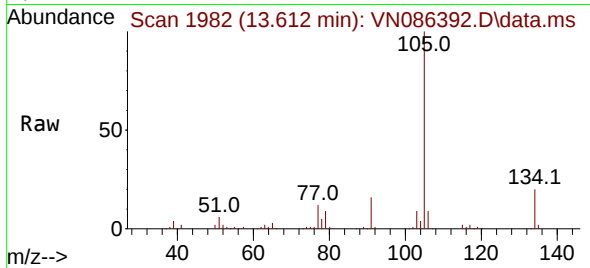
Tgt Ion:105 Resp: 164132
Ion Ratio Lower Upper
105 100
120 44.9 0.0 87.6





#81
 sec-Butylbenzene
 Concen: 19.216 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN086392.D
 Acq: 24 Apr 2025 11:10

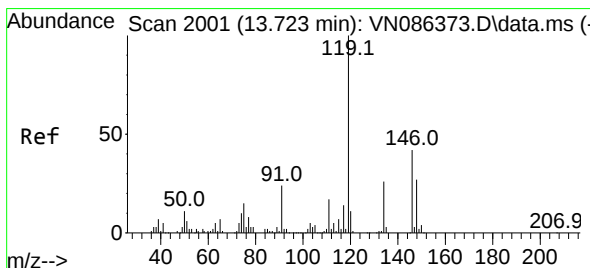
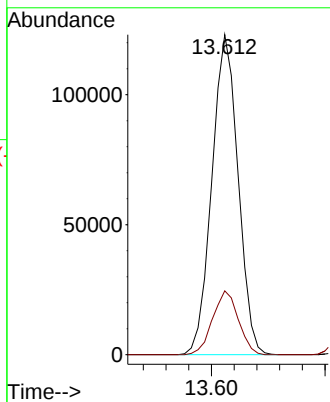
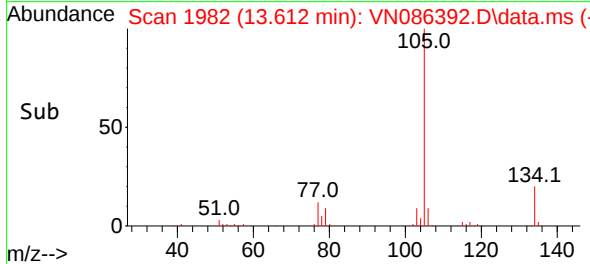
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



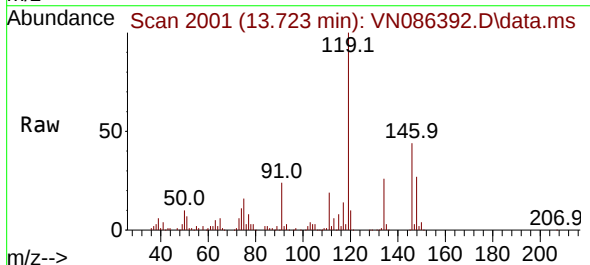
Tgt Ion:105 Resp: 197215
 Ion Ratio Lower Upper
 105 100
 134 19.6 0.0 38.4

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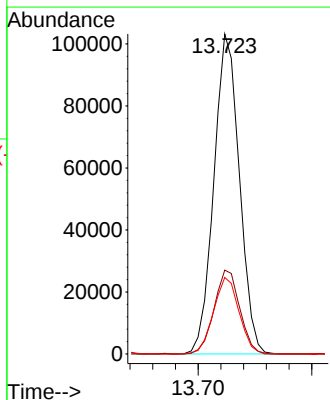
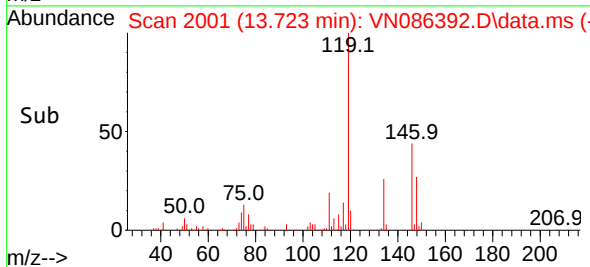
Reviewed By :John Carlone 04/25/2025
 Supervised By :Mahesh Dadoda 04/25/2025

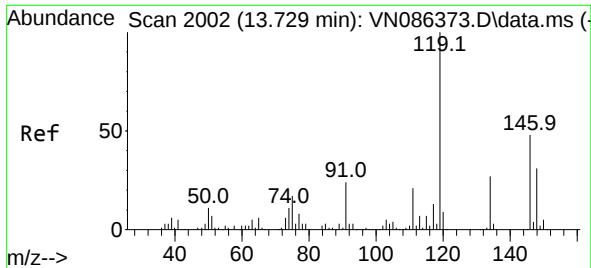


#82
 p-Isopropyltoluene
 Concen: 18.758 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: VN086392.D
 Acq: 24 Apr 2025 11:10



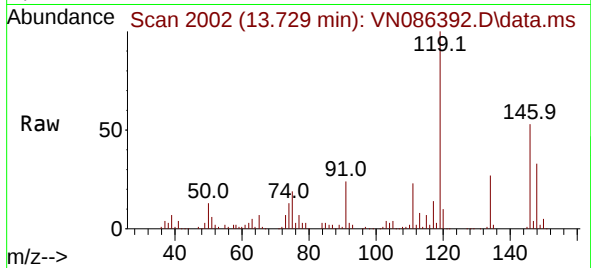
Tgt Ion:119 Resp: 161092
 Ion Ratio Lower Upper
 119 100
 134 26.2 0.0 52.2
 91 23.9 0.0 47.6





#83
1,3-Dichlorobenzene
Concen: 18.999 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

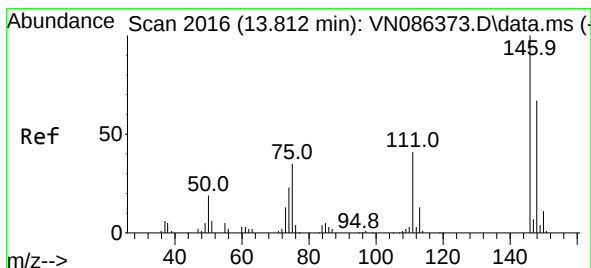
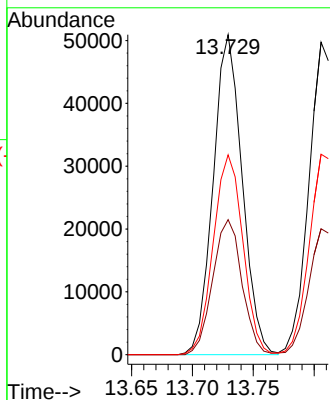
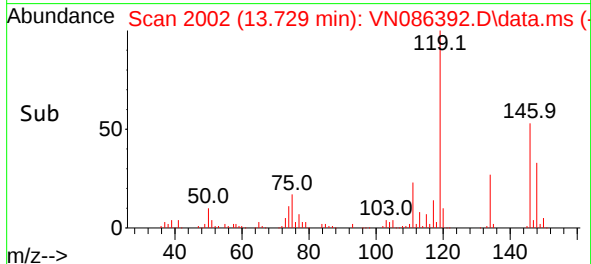
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



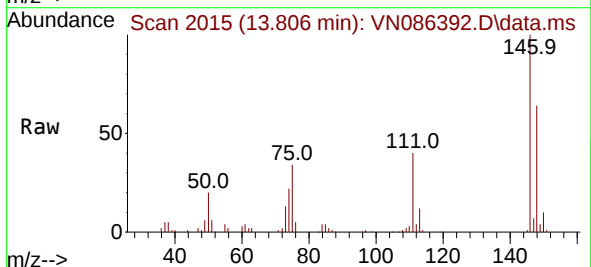
Tgt Ion:146 Resp: 8448
Ion Ratio Lower Upper
146 100
111 42.7 20.7 62.1
148 63.6 32.3 96.8

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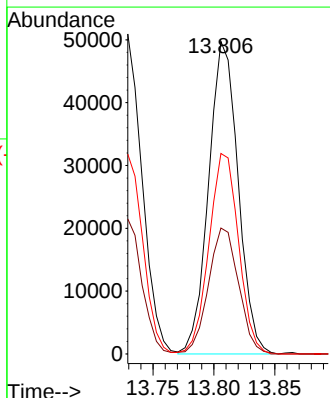
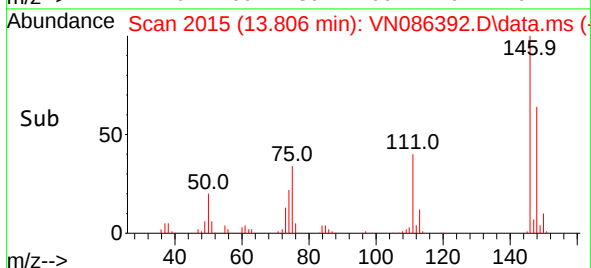
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

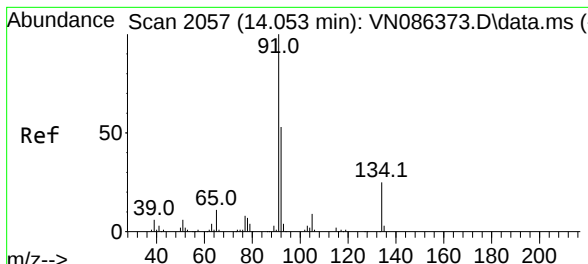


#84
1,4-Dichlorobenzene
Concen: 19.082 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10



Tgt Ion:146 Resp: 83831
Ion Ratio Lower Upper
146 100
111 41.2 20.3 60.8
148 64.5 32.4 97.2



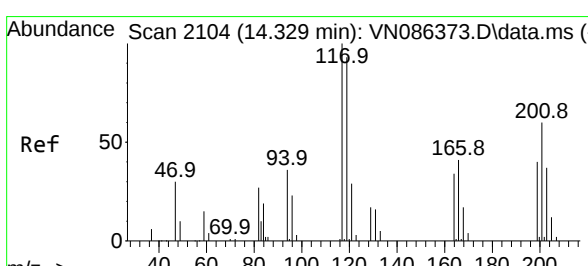
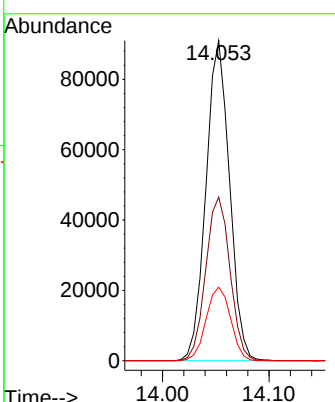
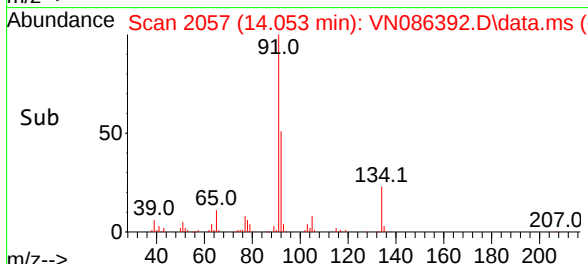
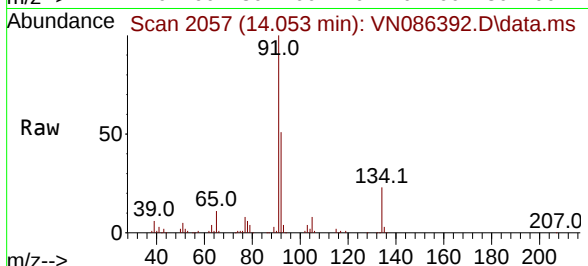


#85
 n-Butylbenzene
 Concen: 18.268 ug/l
 RT: 14.053 min Scan# 2057
 Delta R.T. 0.000 min
 Lab File: VN086392.D
 Acq: 24 Apr 2025 11:10

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC020

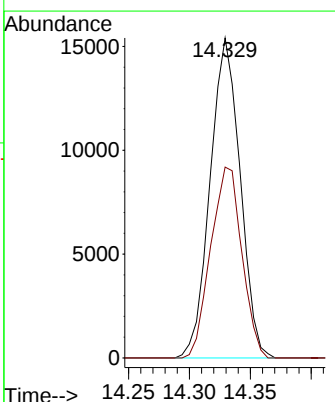
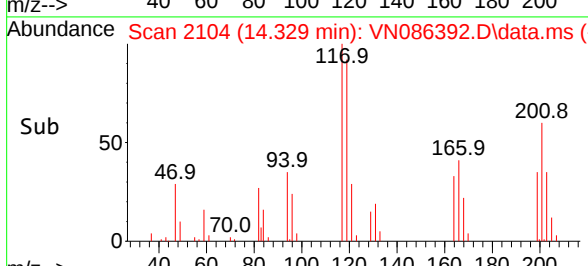
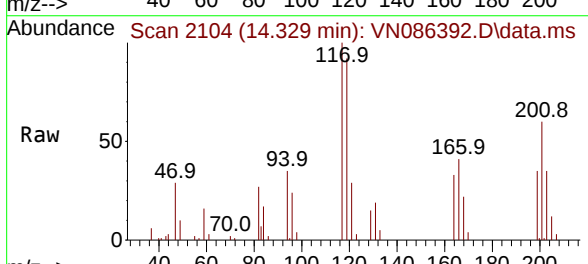
Tgt Ion:	91	Resp:	13998
Ion Ratio	Lower	Upper	
91	100		
92	52.6	0.0	107.2
134	23.8	0.0	48.2

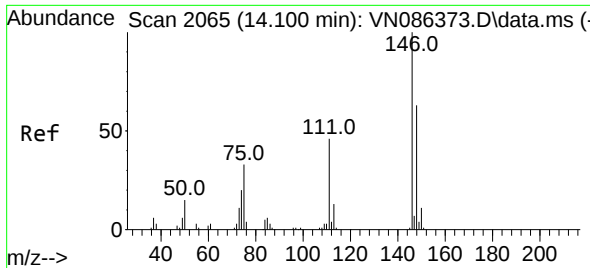
Manual Integrations
APPROVED
 Reviewed By :John Carlone 04/25/2025
 Supervised By :Mahesh Dadoda 04/25/2025



#86
 Hexachloroethane
 Concen: 18.824 ug/l
 RT: 14.329 min Scan# 2104
 Delta R.T. 0.000 min
 Lab File: VN086392.D
 Acq: 24 Apr 2025 11:10

Tgt Ion:	117	Resp:	26434
Ion Ratio	Lower	Upper	
117	100		
201	61.8	31.7	95.1





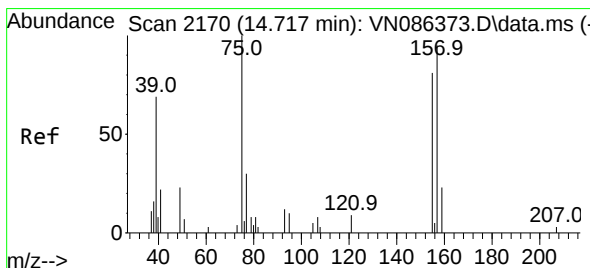
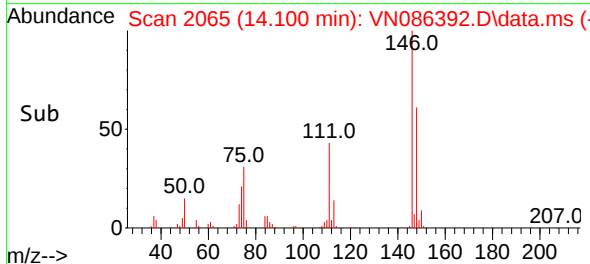
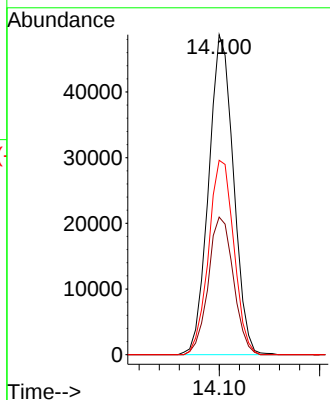
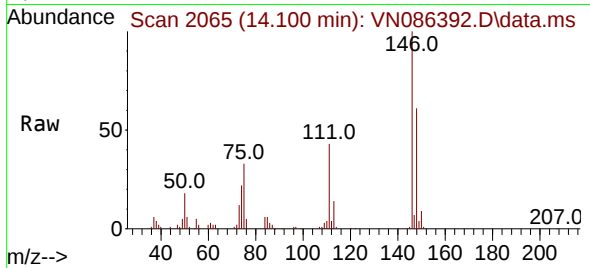
#87
1,2-Dichlorobenzene
Concen: 19.792 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:146 Resp: 83740
Ion Ratio Lower Upper
146 100
111 43.6 22.1 66.3
148 61.9 32.0 96.0

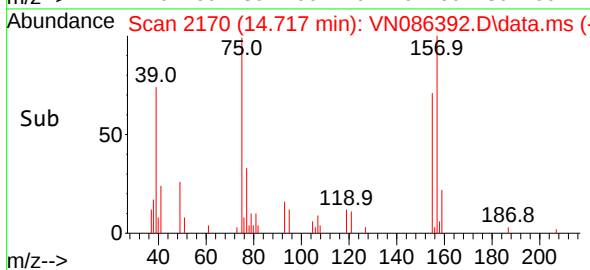
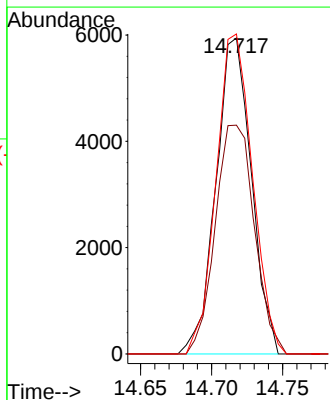
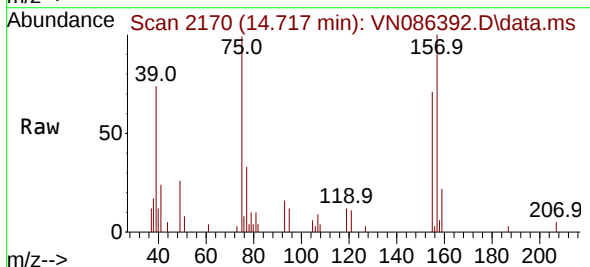
Manual Integrations
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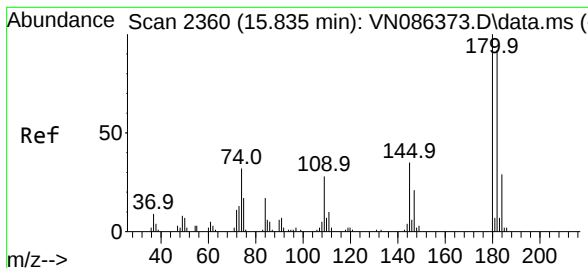
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 18.802 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

Tgt Ion: 75 Resp: 10296
Ion Ratio Lower Upper
75 100
155 80.2 64.0 96.0
157 103.9 78.2 117.4





#89

1,2,4-Trichlorobenzene

Concen: 18.897 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN086392.D

Acq: 24 Apr 2025 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

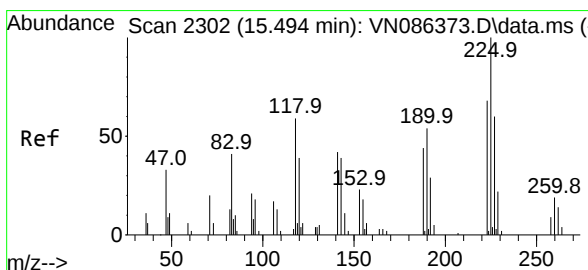
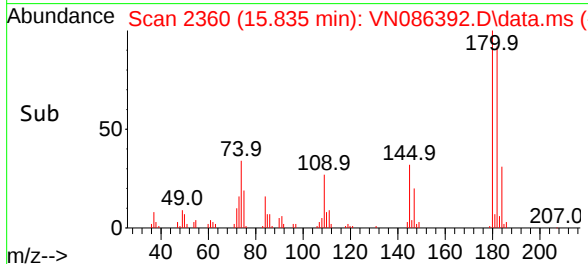
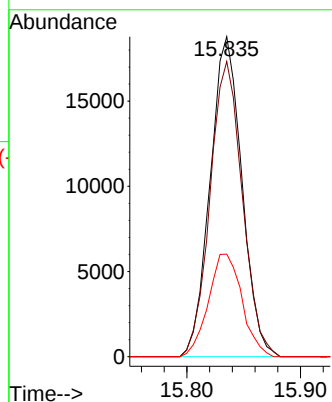
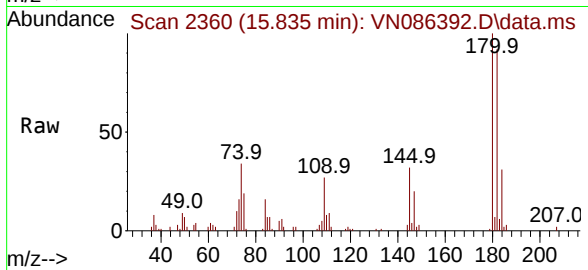
Tgt Ion:	180	Resp:	36439
Ion Ratio	Lower	Upper	
180	100		
182	93.5	74.8	112.2
145	33.9	26.9	40.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/25/2025

Supervised By :Mahesh Dadoda 04/25/2025



#90

Hexachlorobutadiene

Concen: 18.273 ug/l

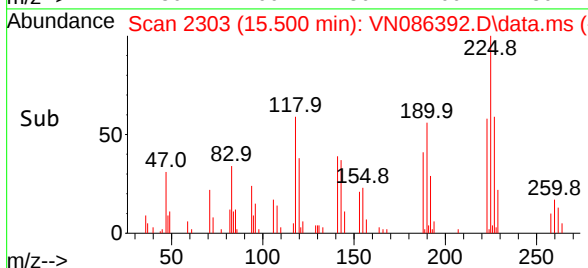
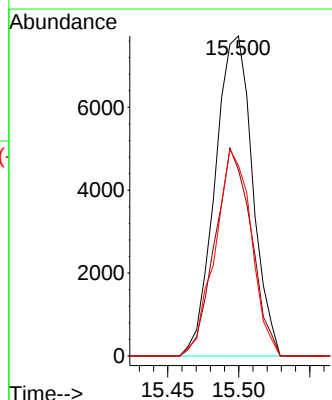
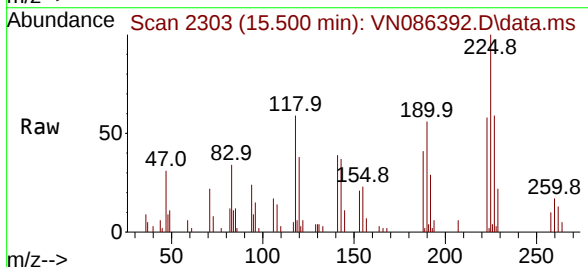
RT: 15.500 min Scan# 2303

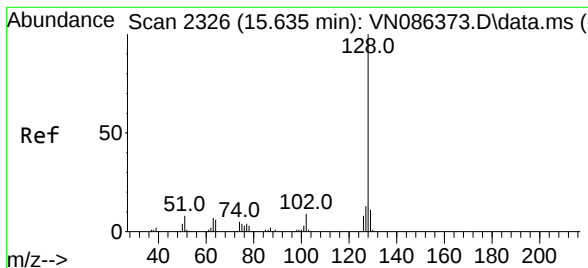
Delta R.T. 0.006 min

Lab File: VN086392.D

Acq: 24 Apr 2025 11:10

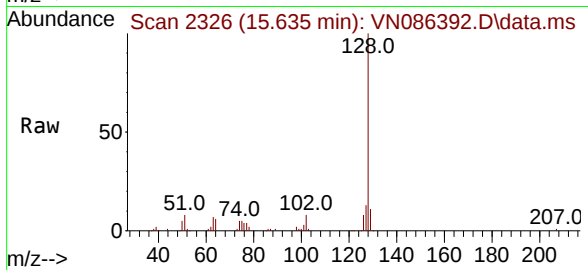
Tgt Ion:	225	Resp:	14193
Ion Ratio	Lower	Upper	
225	100		
223	63.0	0.0	128.8
227	62.2	0.0	120.2





#91
Naphthalene
Concen: 18.447 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10

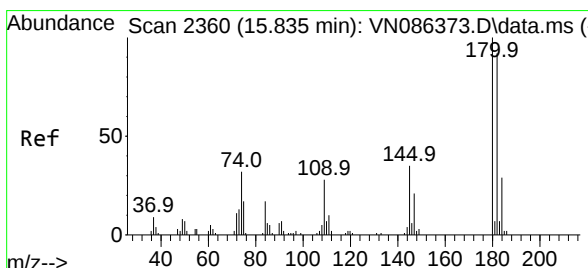
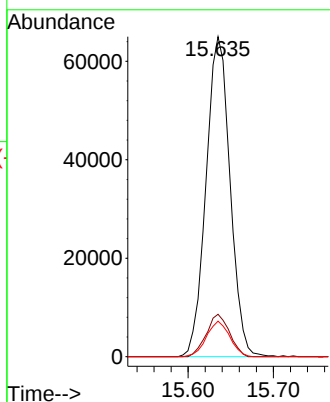
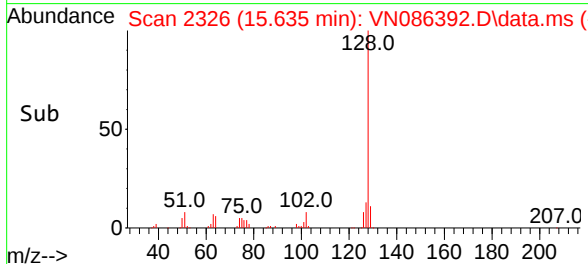
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



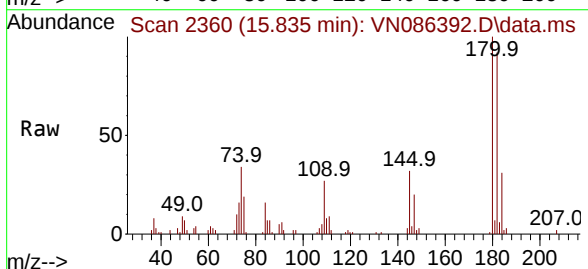
Tgt Ion:128 Resp: 127348
Ion Ratio Lower Upper
128 100
127 12.7 10.6 15.8
129 10.8 8.7 13.1

Manual Integrations
APPROVED

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



#92
1,2,3-Trichlorobenzene
Concen: 18.897 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086392.D
Acq: 24 Apr 2025 11:10



Tgt Ion:180 Resp: 36439
Ion Ratio Lower Upper
180 100
182 93.5 0.0 187.0
145 33.9 0.0 67.2

