

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010725\
 Data File : VN085399.D
 Acq On : 07 Jan 2025 15:58
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/08/2025
 Supervised By : Mahesh Dadoda 01/08/2025

Quant Time: Jan 08 05:18:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Dec 21 02:03:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.806	128	28064	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	153797	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.859	117	144216	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	75078	30.411	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.367%			
60) 4-Bromofluorobenzene	12.847	95	67321	28.818	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.067%			
63) Toluene-d8	10.559	98	210074	29.831	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.433%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	44943	19.153	ug/l	99
3) Chloromethane	2.359	50	43521	18.369	ug/l	100
4) Vinyl Chloride	2.512	62	43332	18.013	ug/l #	88
5) Bromomethane	2.965	94	23353	16.606	ug/l	97
6) Chloroethane	3.124	64	27048	17.811	ug/l	99
7) Trichlorofluoromethane	3.506	101	62371	18.872	ug/l	97
8) Diethyl Ether	3.959	74	19617	17.235	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	36349	19.153	ug/l	97
10) 1,1-Dichloroethene	4.336	96	32106	18.519	ug/l	89
11) Methyl Iodide	4.589	142	35957	17.305	ug/l	97
12) Methyl Acetate	5.018	43	44895	17.340	ug/l	92
13) Acrolein	4.177	56	14683	63.526	ug/l	92
14) Acrylonitrile	5.712	53	74384	74.281	ug/l	92
15) Acetone	4.424	58	18594	73.609	ug/l	82
16) Carbon Disulfide	4.706	76	94502	17.932	ug/l	100
17) Allyl chloride	5.018	41	50310	17.939	ug/l	94
18) Methylene Chloride	5.277	84	37395	18.101	ug/l	92
19) trans-1,2-Dichloroethene	5.783	96	33945	18.825	ug/l	85
20) Diisopropyl ether	6.665	45	117439	18.271	ug/l	99
21) 1,1-Dichloroethane	6.559	63	70150	18.669	ug/l	97
22) cis-1,2-Dichloroethene	7.477	96	40379	18.805	ug/l	97
23) tert-Butyl Alcohol	5.512	59	19767m	59.896	ug/l	
24) Methyl tert-Butyl Ether	5.789	73	100327	17.630	ug/l	99
25) Chloroform	7.959	83	72438	19.018	ug/l	99
26) Cyclohexane	8.253	56	50530	17.637	ug/l #	95
29) 1,1-Dichloropropene	8.371	75	49135	18.401	ug/l	99
30) 2-Butanone	7.477	43	97333	69.055	ug/l	99
31) 2,2-Dichloropropane	7.489	77	62035	18.334	ug/l #	79
32) 1,1,1-Trichloroethane	8.159	97	61771	17.795	ug/l	100
33) Carbon Tetrachloride	8.353	117	54621	17.975	ug/l	96
34) Benzene	8.600	78	151907	17.997	ug/l	98
35) Methacrylonitrile	7.771	41	23927	15.335	ug/l	89
36) 1,2-Dichloroethane	8.665	62	54468	17.845	ug/l	100
37) Trichloroethene	9.347	130	33994	18.305	ug/l	94
38) Methylcyclohexane	9.594	83	49685	17.980	ug/l	94
39) 1,2-Dichloropropane	9.618	63	38536	17.945	ug/l	99
40) Dibromomethane	9.700	93	26089	17.425	ug/l	99
41) Bromodichloromethane	9.883	83	56722	18.128	ug/l	95
42) Vinyl Acetate	6.595	43	393318	79.053	ug/l	100

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	41478	14.230	ug/l	99
44) Isopropyl Acetate	8.683	43	74802	15.448	ug/l	96
45) 1,4-Dioxane	9.688	88	8815	234.051	ug/l	95
46) Methyl methacrylate	9.671	41	34628	15.406	ug/l	99
47) n-amyl Acetate	12.488	43	61334	14.869	ug/l	96
48) t-1,3-Dichloropropene	10.830	75	52364	16.943	ug/l	96
49) cis-1,3-Dichloropropene	10.306	75	57960	17.443	ug/l	99
50) 1,1,2-Trichloroethane	11.012	97	34493	17.615	ug/l	95
51) Ethyl methacrylate	10.871	69	46899	15.835	ug/l	91
52) 1,3-Dichloropropane	11.159	76	60535	17.710	ug/l	97
53) Dibromochloromethane	11.353	129	39540	17.233	ug/l	98
54) 1,2-Dibromoethane	11.465	107	32733	17.274	ug/l	97
55) 2-Chloroethyl vinyl ether	10.153	63	108256	70.962	ug/l	99
56) Bromoform	12.576	173	23043	15.395	ug/l	95
58) 4-Methyl-2-Pentanone	10.441	43	217868	74.520	ug/l	99
59) 2-Hexanone	11.188	43	149407	70.346	ug/l	98
61) Tetrachloroethene	11.100	164	29156	18.110	ug/l	93
62) Toluene	10.624	91	160463	18.111	ug/l	99
64) Chlorobenzene	11.888	112	97867	18.315	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.953	131	34593	17.851	ug/l	99
66) Ethyl Benzene	11.959	91	164453	17.640	ug/l	100
67) m/p-Xylenes	12.065	106	127159	36.357	ug/l	99
68) o-Xylene	12.394	106	58979	17.704	ug/l	100
69) Styrene	12.406	104	99568	17.685	ug/l	99
70) Isopropylbenzene	12.694	105	152079	18.180	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	48125	16.221	ug/l	96
72) 1,2,3-Trichloropropane	12.988	75	40775m	16.148	ug/l	
73) Bromobenzene	12.976	156	36385	17.606	ug/l	97
74) n-propylbenzene	13.029	91	184766	17.729	ug/l	99
75) 2-Chlorotoluene	13.118	91	112556	17.928	ug/l	99
76) 1,3,5-Trimethylbenzene	13.171	105	129412	18.130	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	10164	9.849	ug/l	92
78) 4-Chlorotoluene	13.218	91	113175	17.730	ug/l	99
79) tert-butylbenzene	13.435	119	104773	17.949	ug/l	98
80) 1,2,4-Trimethylbenzene	13.476	105	129649	18.248	ug/l	98
81) sec-Butylbenzene	13.612	105	151832	18.016	ug/l	99
82) p-Isopropyltoluene	13.723	119	124247	17.901	ug/l	98
83) 1,3-Dichlorobenzene	13.729	146	68632	17.807	ug/l	98
84) 1,4-Dichlorobenzene	13.806	146	66832	17.923	ug/l	97
85) n-Butylbenzene	14.053	91	108044	18.031	ug/l	100
86) Hexachloroethane	14.329	117	23790	15.966	ug/l	97
87) 1,2-Dichlorobenzene	14.100	146	65411	17.864	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	7835	14.466	ug/l	99
89) 1,2,4-Trichlorobenzene	15.835	180	29893	17.232	ug/l	99
90) Hexachlorobutadiene	15.494	225	14995	17.341	ug/l	93
91) Naphthalene	15.635	128	84650	15.187	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	29893	17.232	ug/l	99

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

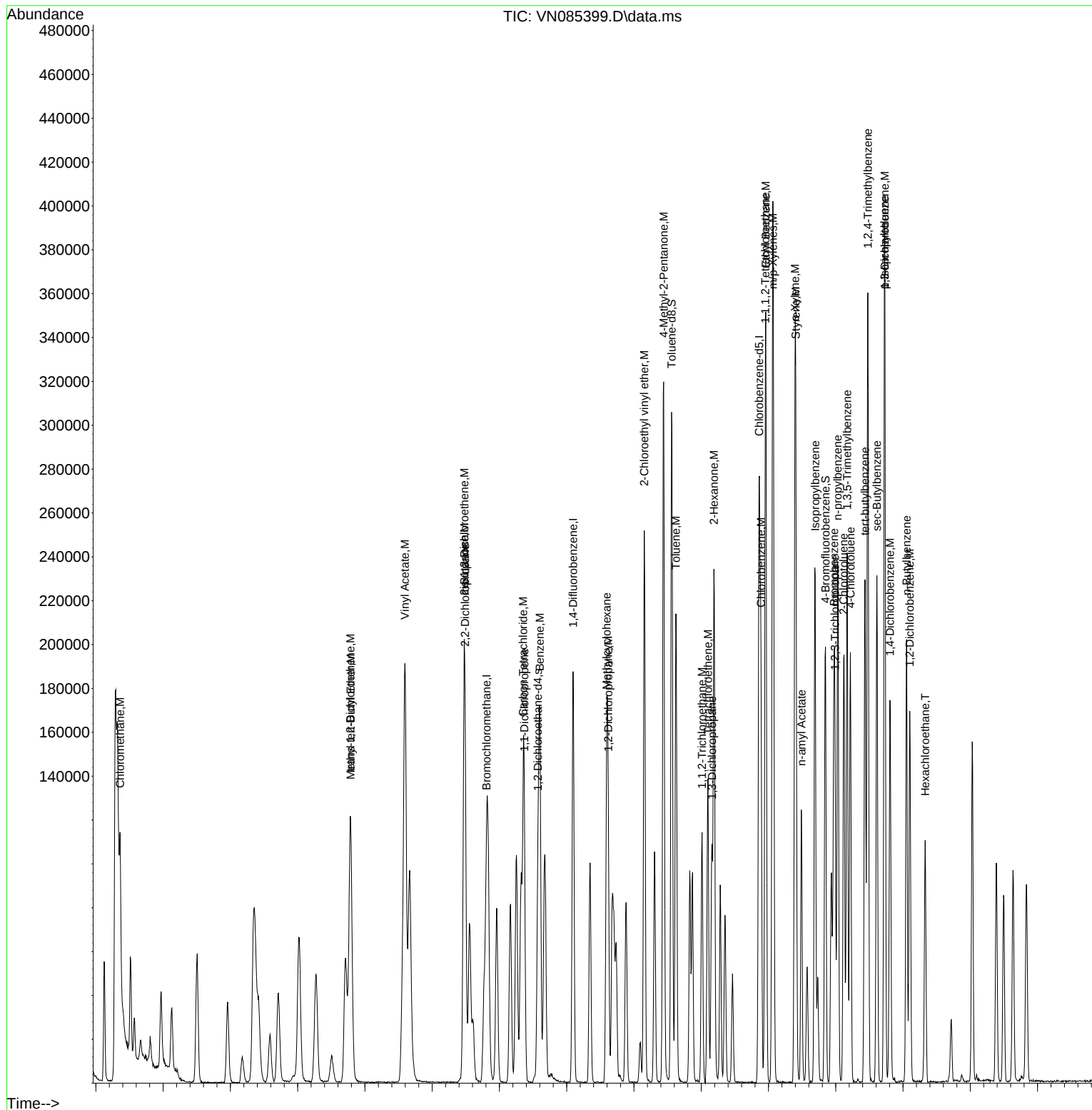
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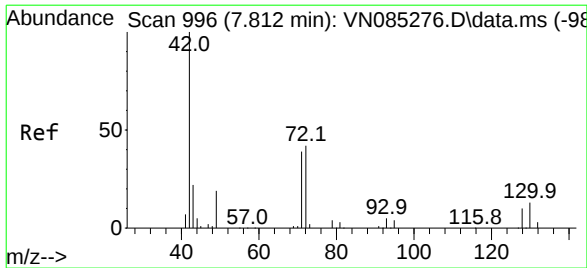
Instrument :
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APPROVED

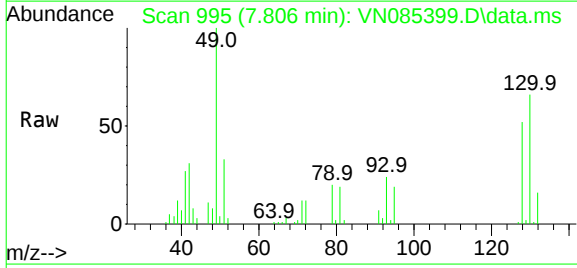
Reviewed By : John Carlone 01/08/2025
Supervised By : Mahesh Dadoda 01/08/2025





#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.806 min Scan# 99
 Delta R.T. -0.006 min
 Lab File: VN085399.D
 Acq: 07 Jan 2025 15:58

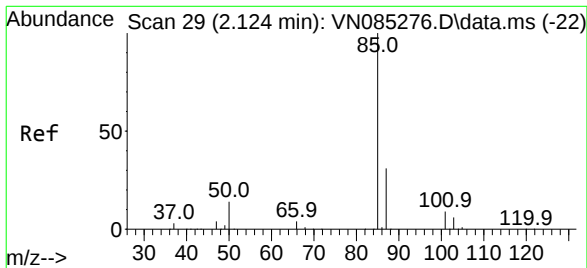
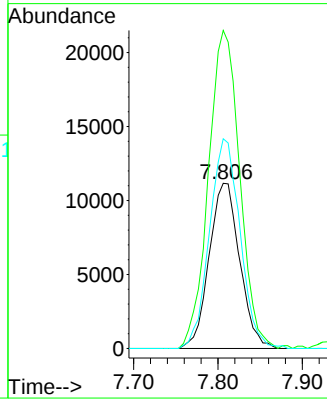
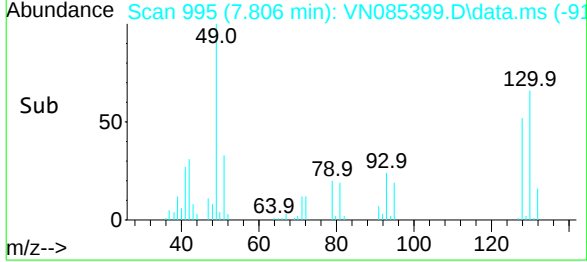
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion: 128 Resp: 28064
 Ion Ratio Lower Upper
 128 100
 49 197.2 0.0 497.8
 130 127.4 0.0 328.5

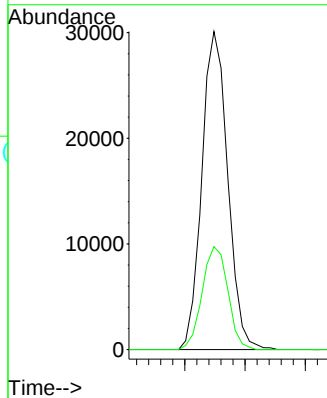
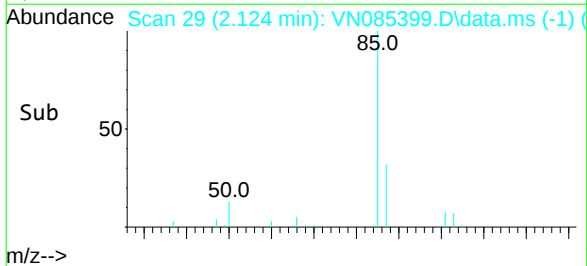
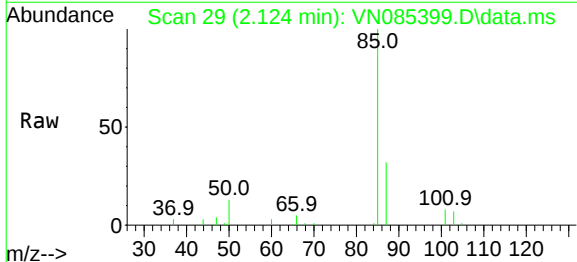
Manual Integrations
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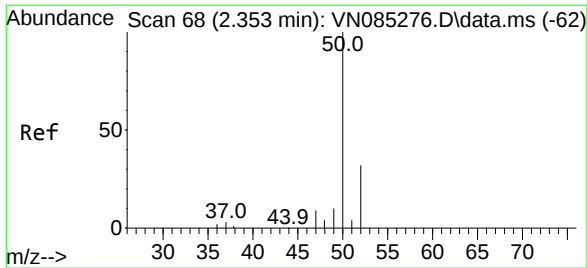
Reviewed By : John Carlone 01/08/2025
 Supervised By : Mahesh Dadoda 01/08/2025



#2
 Dichlorodifluoromethane
 Concen: 19.153 ug/l
 RT: 2.124 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VN085399.D
 Acq: 07 Jan 2025 15:58

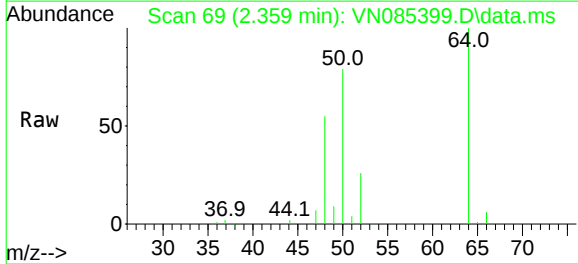
Tgt Ion: 85 Resp: 44943
 Ion Ratio Lower Upper
 85 100
 87 32.4 16.5 49.5





#3
Chloromethane
Concen: 18.369 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

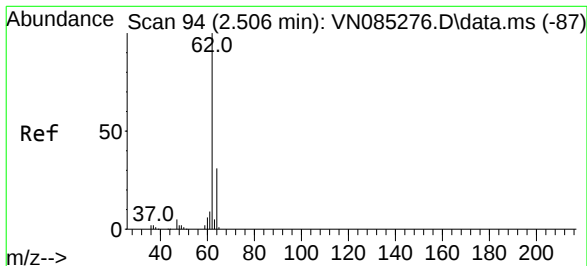
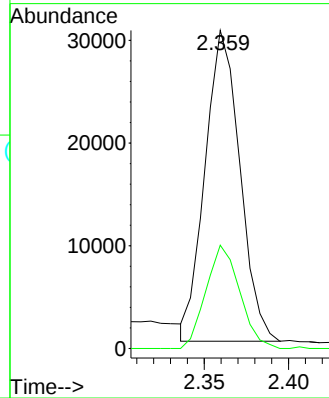
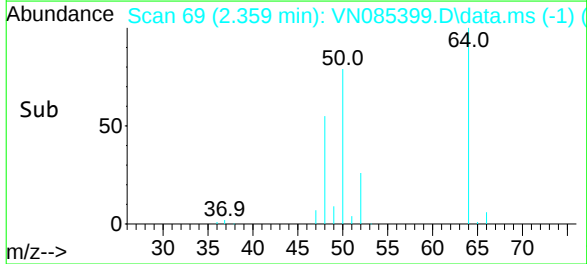
Instrument :
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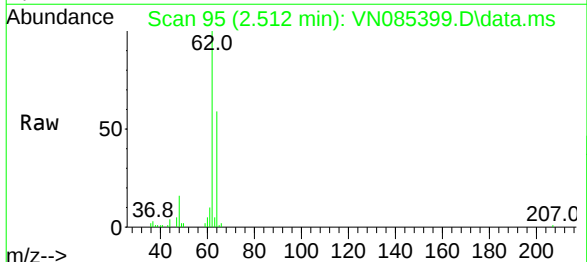
Tgt Ion: 50 Resp: 43521
Ion Ratio Lower Upper
50 100
52 33.2 26.5 39.7

Manual Integrations
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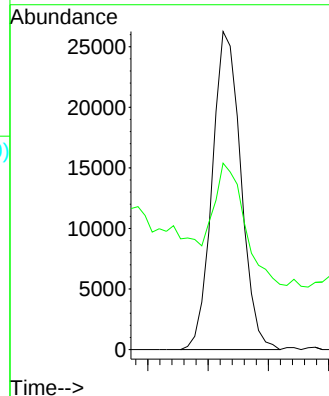
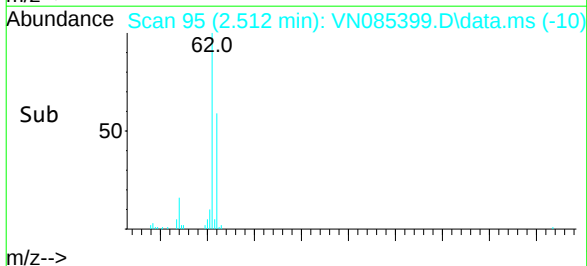
Reviewed By :John Carlone 01/08/2025
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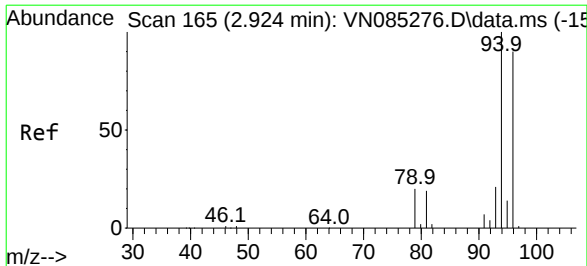


#4
Vinyl Chloride
Concen: 18.013 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58



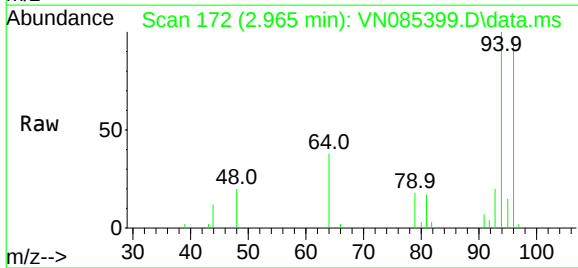
Tgt Ion: 62 Resp: 43332
Ion Ratio Lower Upper
62 100
64 38.1 25.0 37.4#





#5
Bromomethane
Concen: 16.606 ug/l
RT: 2.965 min Scan# 171
Delta R.T. 0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

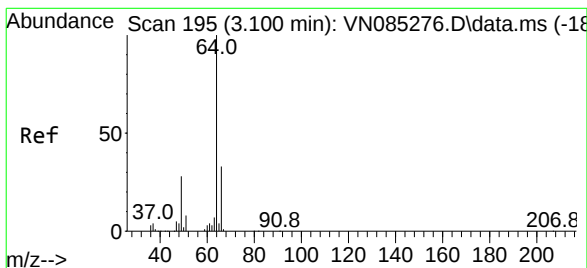
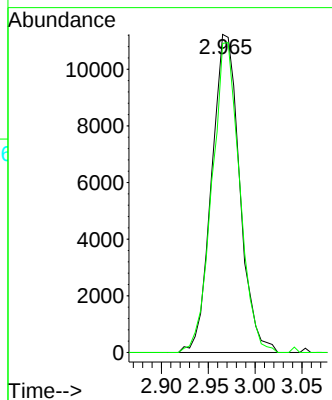
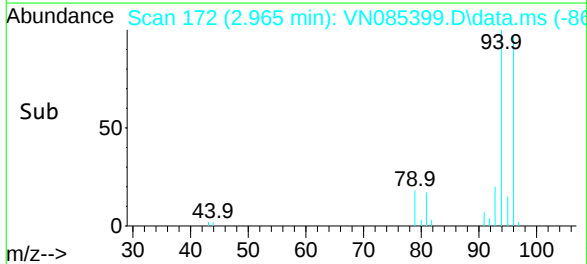
Instrument :
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Tgt Ion: 94 Resp: 23353
Ion Ratio Lower Upper
94 100
96 97.2 75.6 113.4

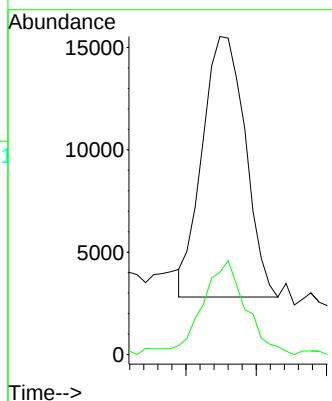
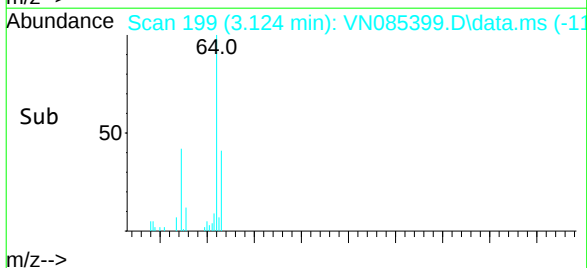
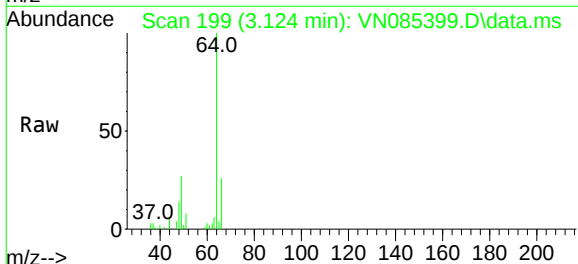
Manual Integrations
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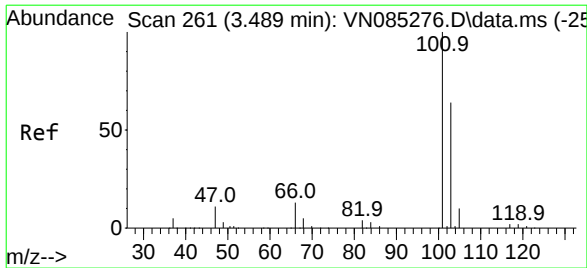
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025



#6
Chloroethane
Concen: 17.811 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

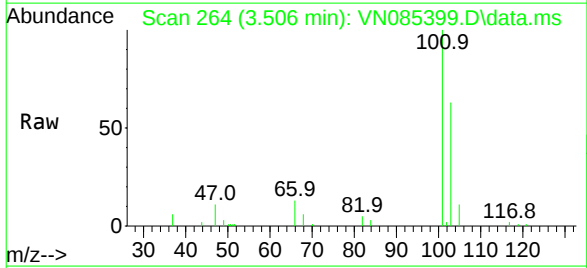
Tgt Ion: 64 Resp: 27048
Ion Ratio Lower Upper
64 100
66 28.6 22.2 33.4





#7
 Trichlorofluoromethane
 Concen: 18.872 ug/l
 RT: 3.506 min Scan# 261
 Delta R.T. 0.006 min
 Lab File: VN085399.D
 Acq: 07 Jan 2025 15:58

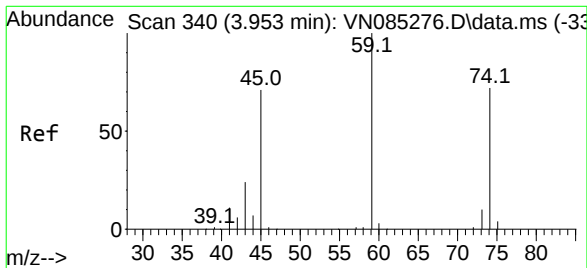
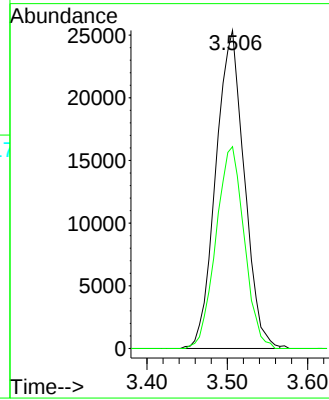
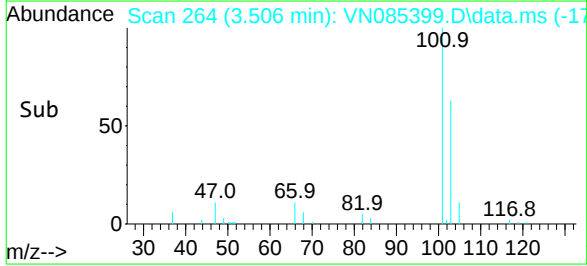
Instrument :
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 VSTDCCC020EC



Tgt Ion: 101 Resp: 62371
 Ion Ratio Lower Upper
 101 100
 103 63.5 52.6 78.8

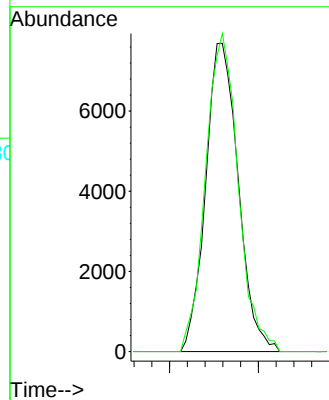
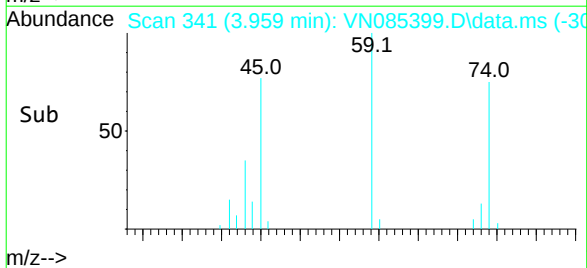
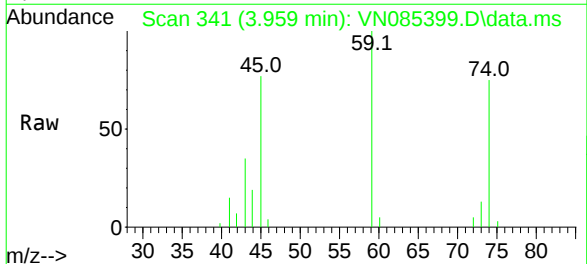
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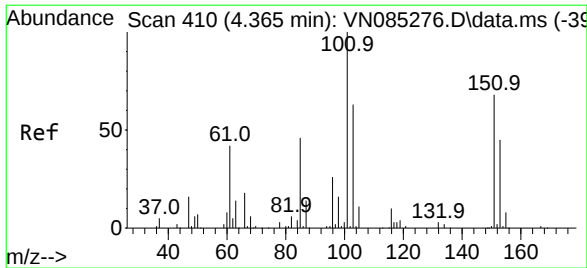
Reviewed By : John Carlone 01/08/2025
 Supervised By : Mahesh Dadoda 01/08/2025



#8
 Diethyl Ether
 Concen: 17.235 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. 0.000 min
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Tgt Ion: 74 Resp: 19617
 Ion Ratio Lower Upper
 74 100
 45 102.9 20.8 187.6





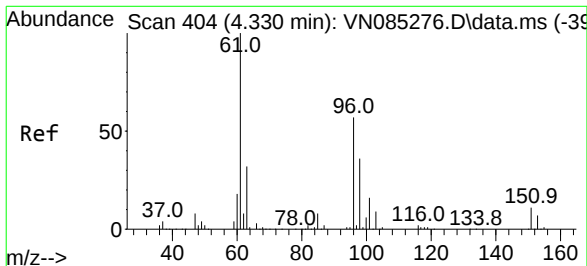
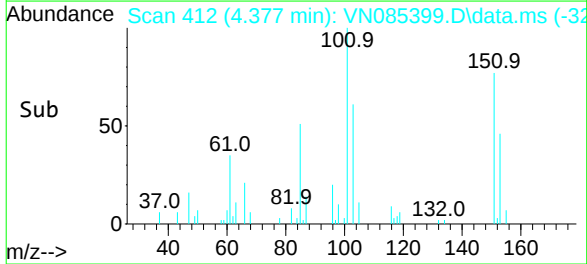
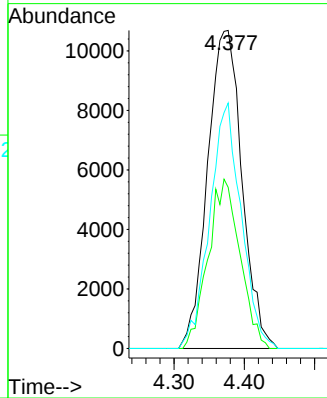
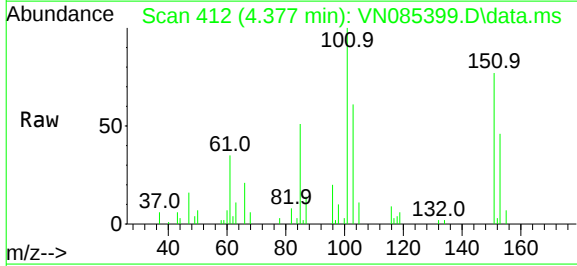
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.153 ug/l
RT: 4.377 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 101 Resp: 36349
Ion Ratio Lower Upper
101 100
85 49.4 0.0 96.6
151 70.9 0.0 147.4

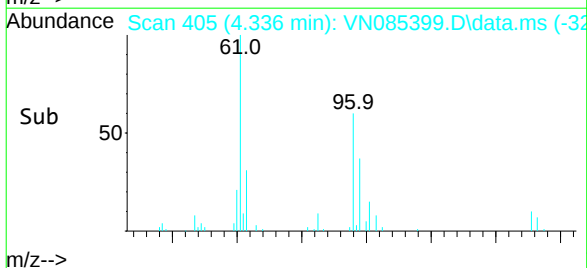
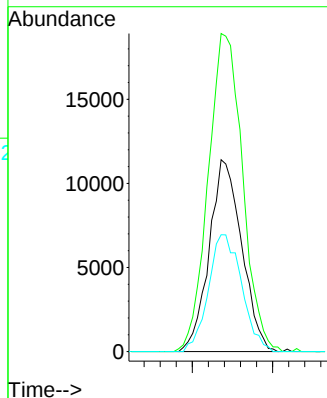
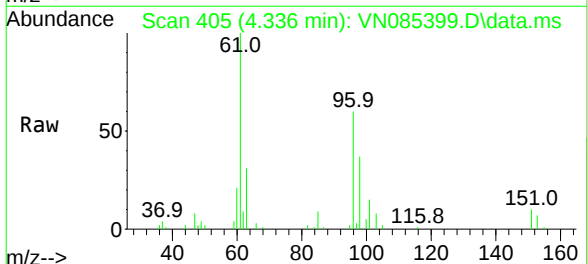
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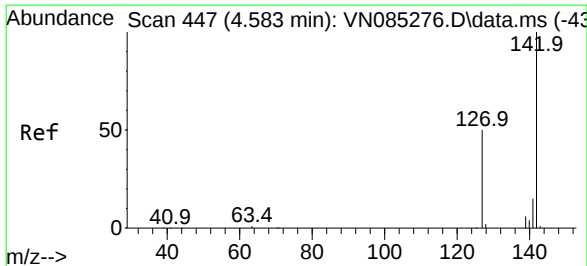
Reviewed By : John Carlone 01/08/2025
Supervised By : Mahesh Dadoda 01/08/2025



#10
1,1-Dichloroethene
Concen: 18.519 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

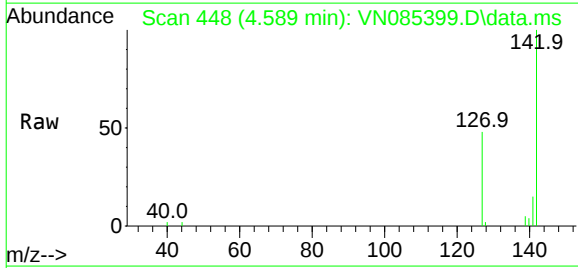
Tgt Ion: 96 Resp: 32106
Ion Ratio Lower Upper
96 100
61 164.3 145.9 218.9
98 60.9 51.9 77.9





#11
Methyl Iodide
Concen: 17.305 ug/l
RT: 4.589 min Scan# 447
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

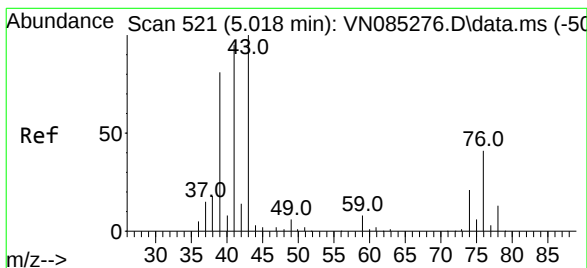
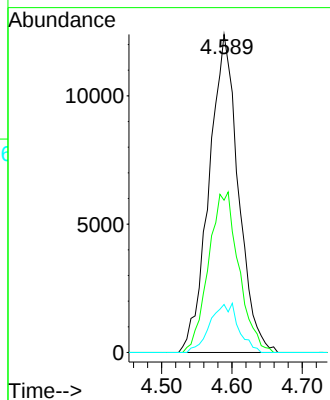
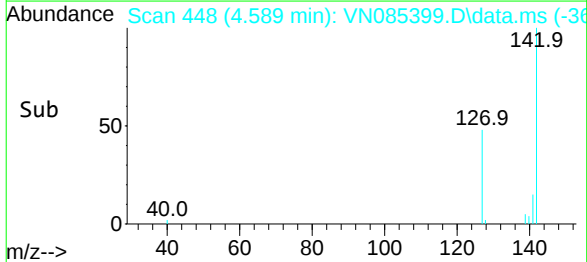
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 142 Resp: 35957
Ion Ratio Lower Upper
142 100
127 47.9 25.1 75.4
141 15.1 6.9 20.7

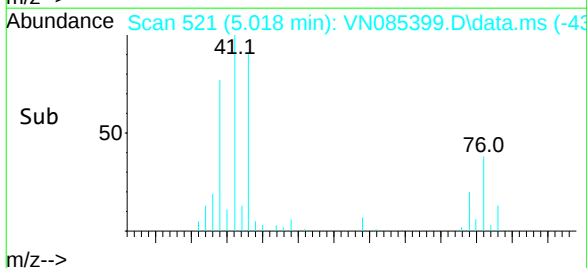
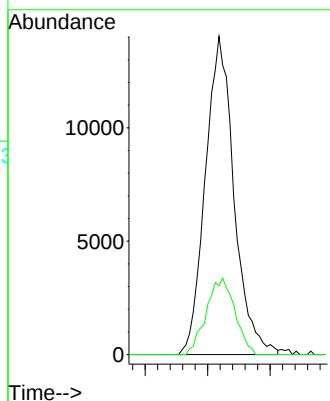
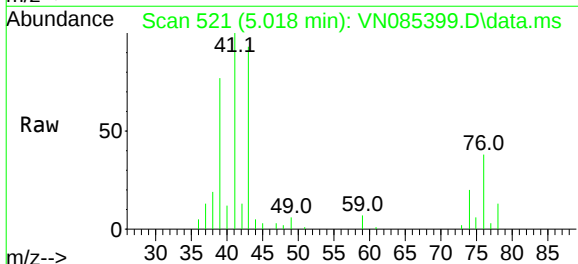
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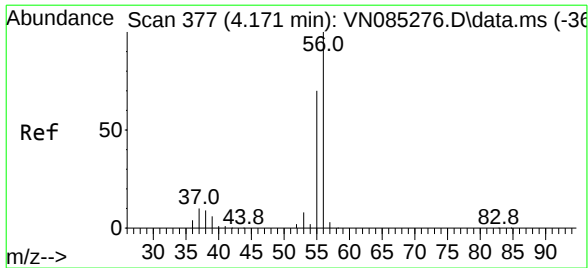
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025



#12
Methyl Acetate
Concen: 17.340 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Tgt Ion: 43 Resp: 44895
Ion Ratio Lower Upper
43 100
74 21.8 20.5 30.7





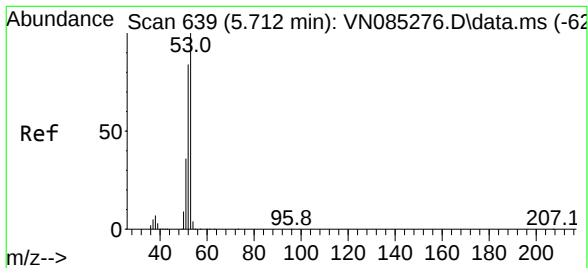
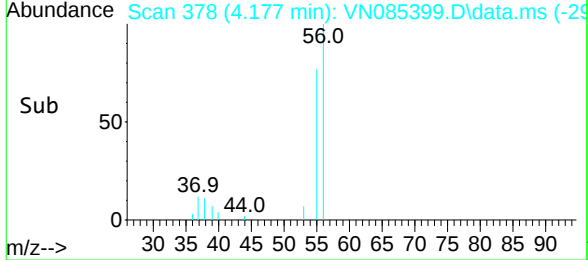
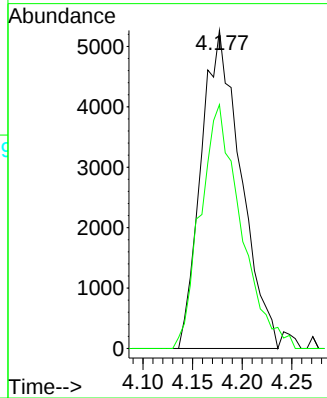
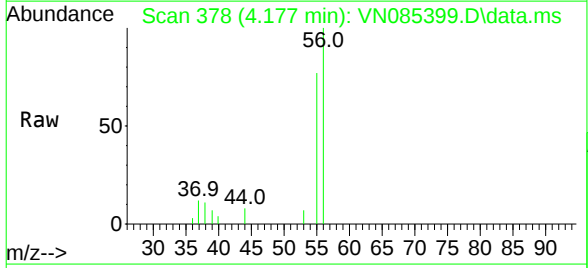
#13
Acrolein
Concen: 63.526 ug/l
RT: 4.177 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 56 Resp: 14683
Ion Ratio Lower Upper
56 100
55 77.7 56.8 85.2

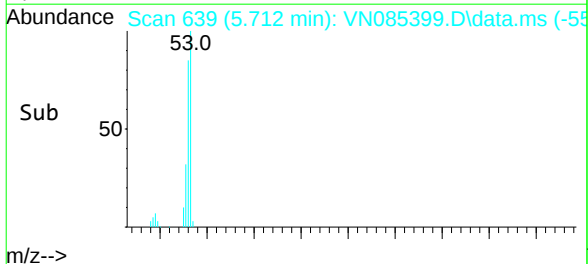
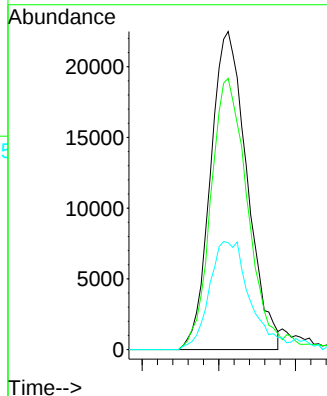
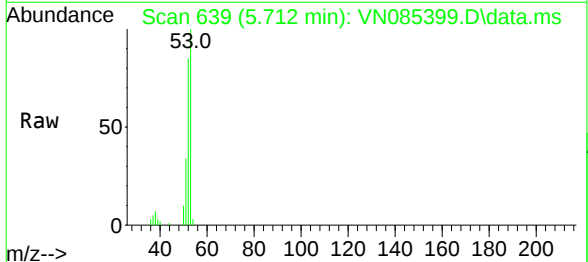
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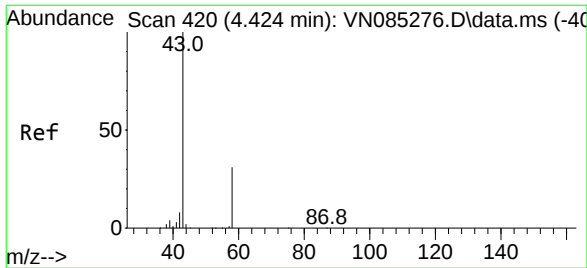
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025



#14
Acrylonitrile
Concen: 74.281 ug/l
RT: 5.712 min Scan# 639
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Tgt Ion: 53 Resp: 74384
Ion Ratio Lower Upper
53 100
52 84.9 41.6 124.8
51 22.4 18.1 54.4





#15

Acetone

Concen: 73.609 ug/l

RT: 4.424 min Scan# 420

Delta R.T. -0.006 min

Lab File: VN085399.D

Acq: 07 Jan 2025 15:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 58 Resp: 18594

Ion Ratio Lower Upper

58 100

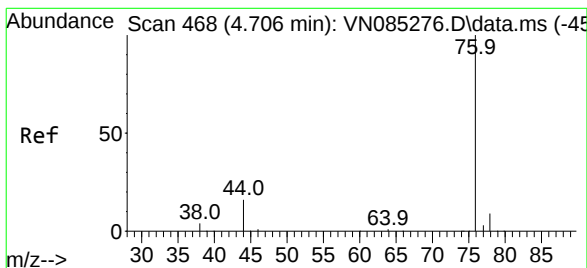
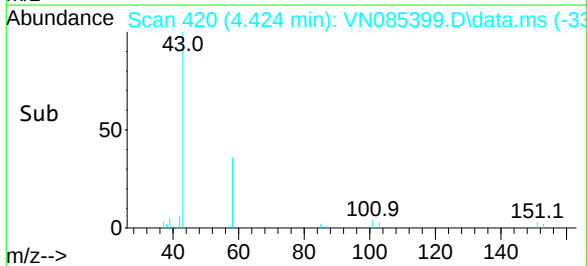
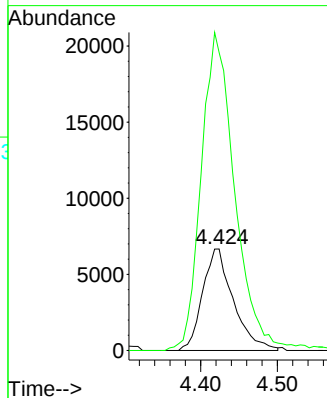
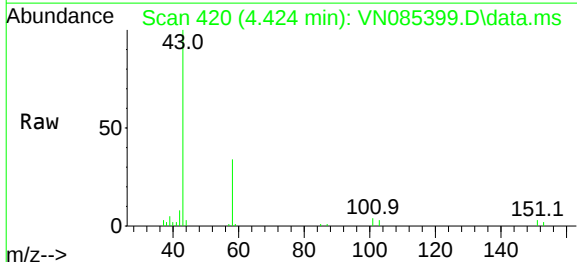
43 286.8 258.8 388.2

Manual Integrations

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Reviewed By :John Carlone 01/08/2025

Supervised By :Mahesh Dadoda 01/08/2025



#16

Carbon Disulfide

Concen: 17.932 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.006 min

Lab File: VN085399.D

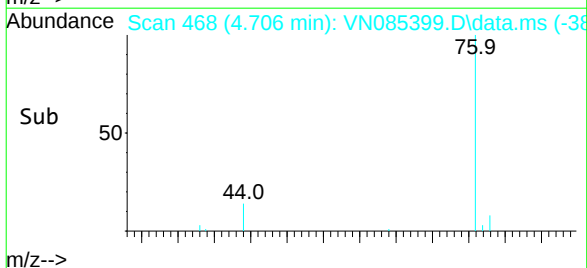
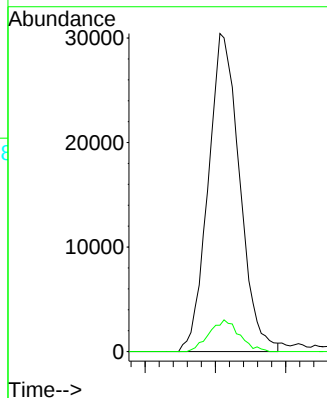
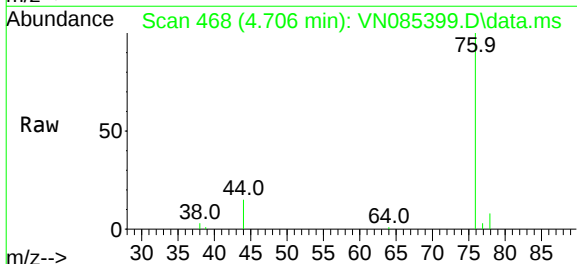
Acq: 07 Jan 2025 15:58

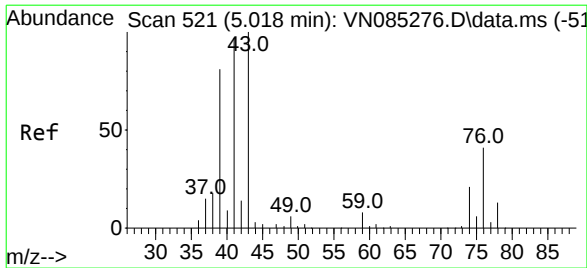
Tgt Ion: 76 Resp: 94502

Ion Ratio Lower Upper

76 100

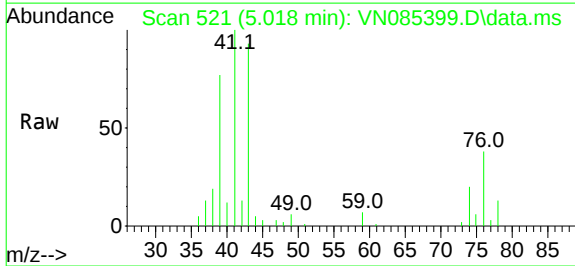
78 8.3 6.6 9.8





#17
 Allyl chloride
 Concen: 17.939 ug/l
 RT: 5.018 min Scan# 521
 Delta R.T. -0.006 min
 Lab File: VN085399.D
 Acq: 07 Jan 2025 15:58

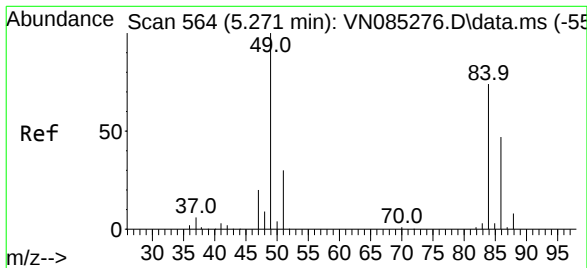
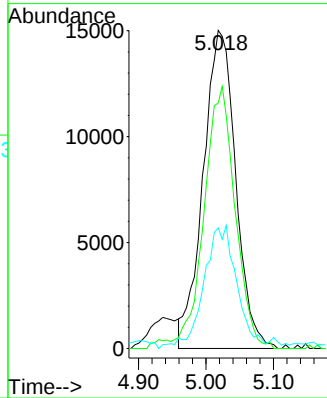
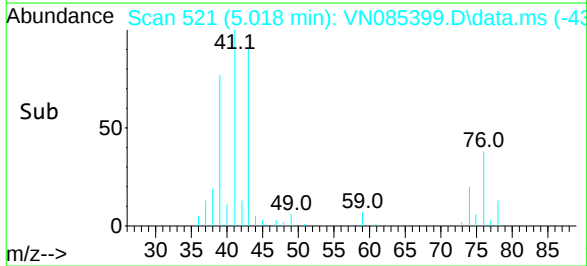
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion	Ratio	Lower	Upper
41	100		
39	77.2	41.3	124.1
76	36.0	19.5	58.5

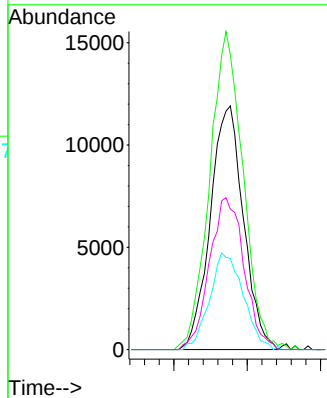
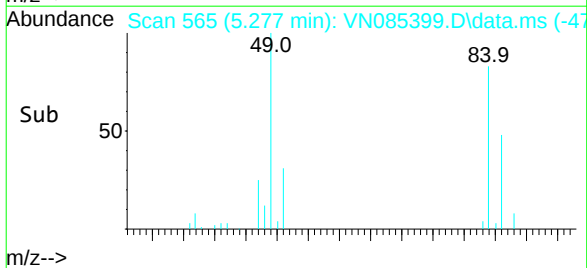
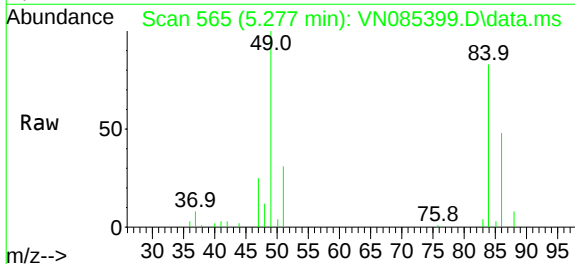
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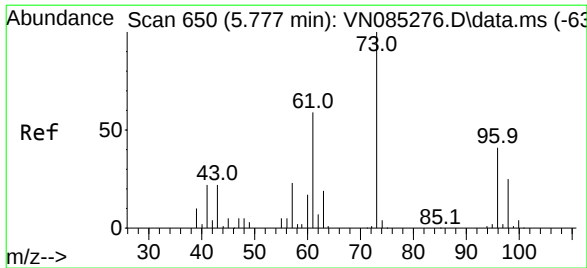
Reviewed By :John Carlone 01/08/2025
 Supervised By :Mahesh Dadoda 01/08/2025



#18
 Methylene Chloride
 Concen: 18.101 ug/l
 RT: 5.277 min Scan# 565
 Delta R.T. 0.006 min
 Lab File: VN085399.D
 Acq: 07 Jan 2025 15:58

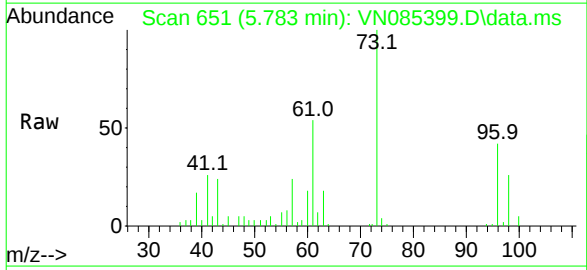
Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.3	104.9	157.3
51	37.4	30.2	45.4
86	57.6	50.6	76.0





#19
trans-1,2-Dichloroethene
Concen: 18.825 ug/l
RT: 5.783 min Scan# 650
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

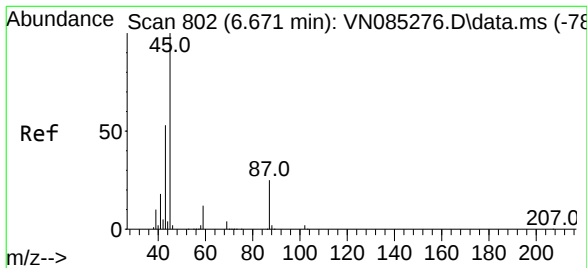
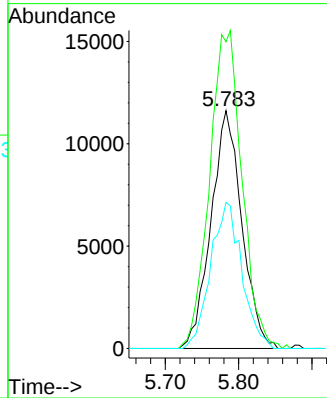
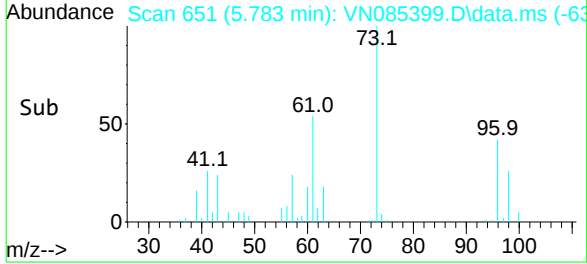
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:	96	Resp:	33945
Ion	Ratio	Lower	Upper
96	100		
61	128.9	124.2	186.4
98	61.4	51.0	76.4

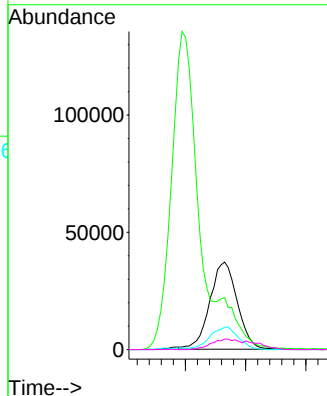
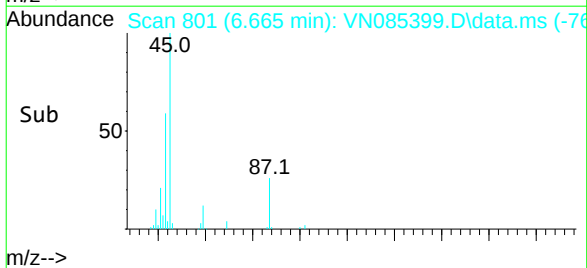
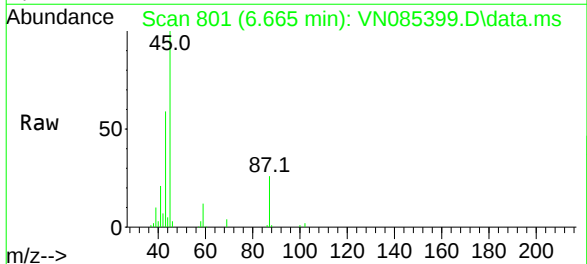
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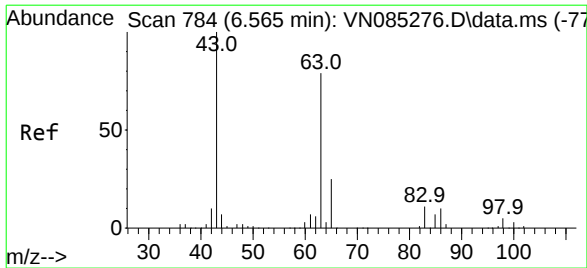
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025



#20
Diisopropyl ether
Concen: 18.271 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

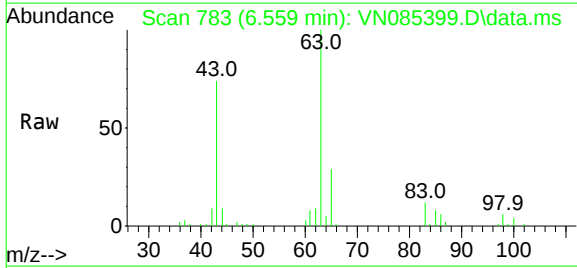
Tgt Ion:	45	Resp:	117439
Ion	Ratio	Lower	Upper
45	100		
43	58.2	46.6	69.8
87	25.6	22.3	33.5
59	12.0	9.2	13.8





#21
1,1-Dichloroethane
Concen: 18.669 ug/l
RT: 6.559 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

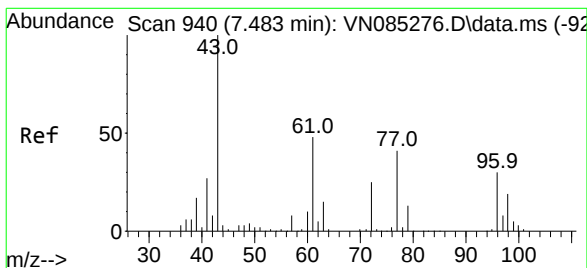
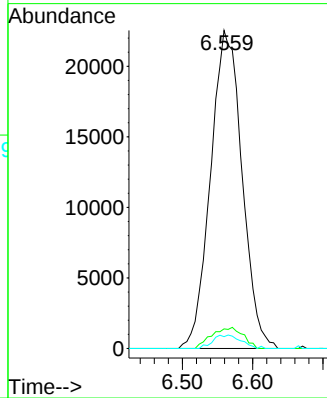
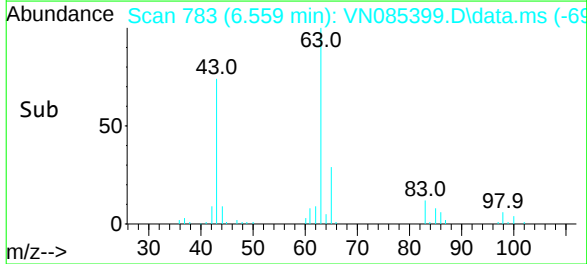
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



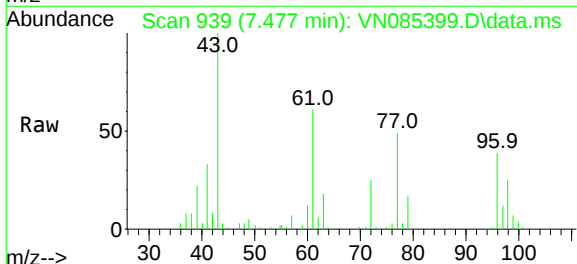
Tgt Ion: 63 Resp: 70150
Ion Ratio Lower Upper
63 100
98 6.2 2.4 7.1
100 3.7 2.1 6.3

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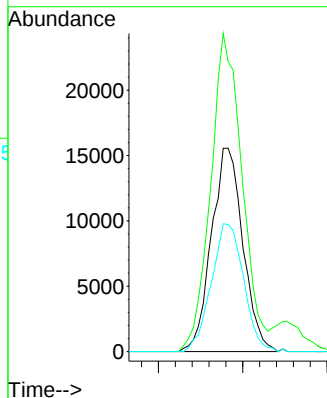
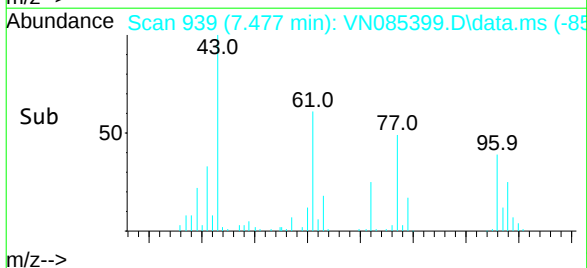
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025

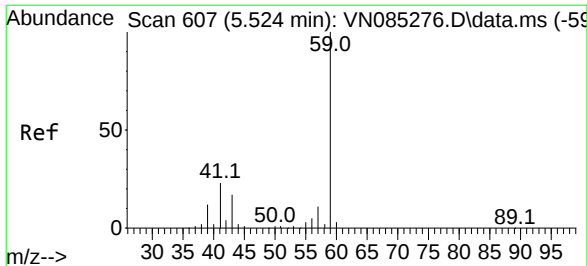


#22
cis-1,2-Dichloroethene
Concen: 18.805 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58



Tgt Ion: 96 Resp: 40379
Ion Ratio Lower Upper
96 100
61 156.1 128.1 192.1
98 64.3 52.7 79.1





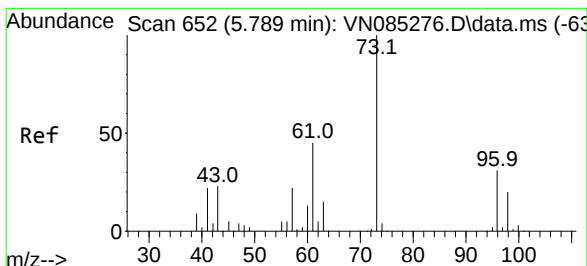
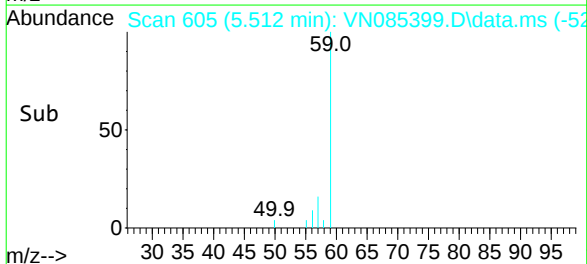
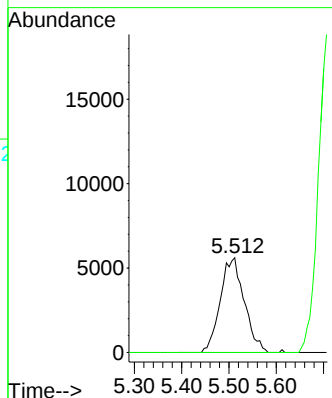
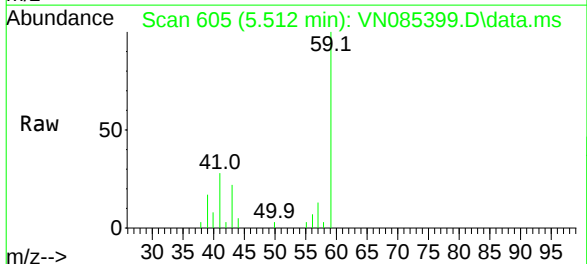
#23
tert-Butyl Alcohol
Concen: 59.896 ug/l m
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 59 Resp: 19767
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

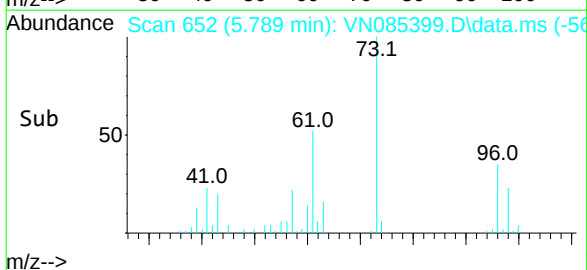
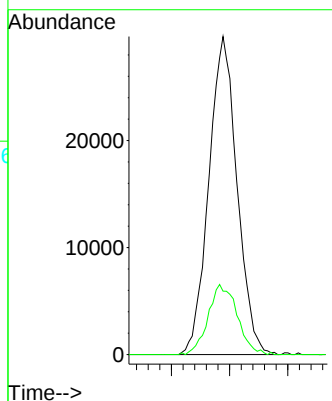
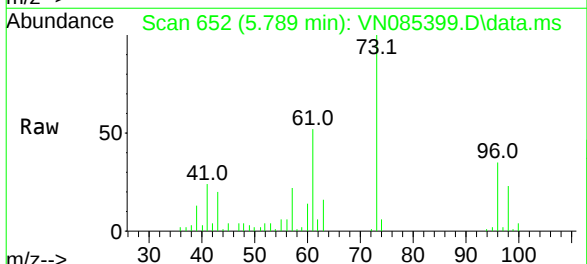
Manual Integrations
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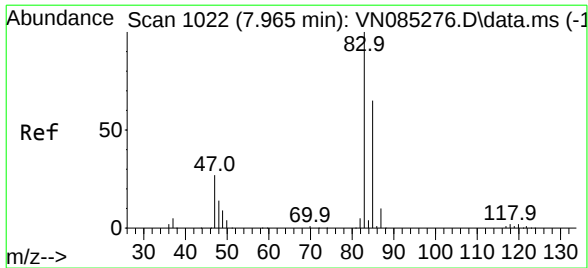
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025



#24
Methyl tert-Butyl Ether
Concen: 17.630 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.012 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

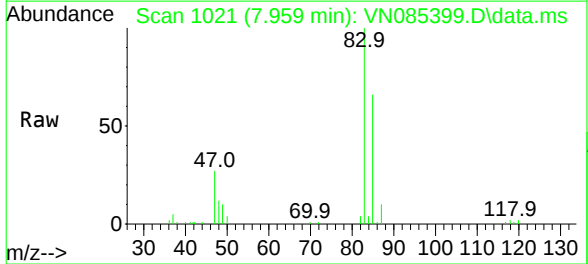
Tgt Ion: 73 Resp: 100327
Ion Ratio Lower Upper
73 100
43 22.5 18.6 27.8





#25
Chloroform
Concen: 19.018 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

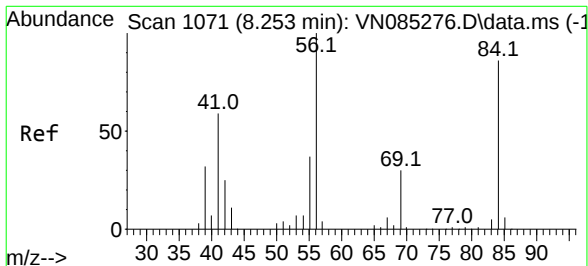
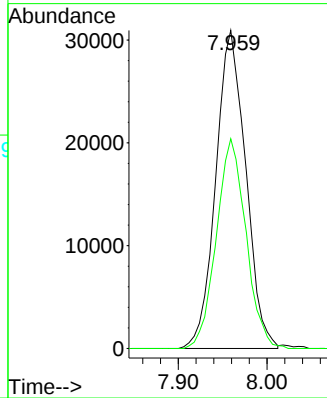
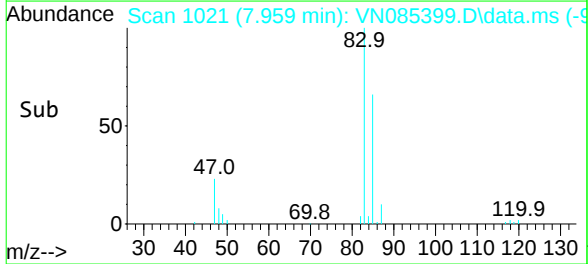
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



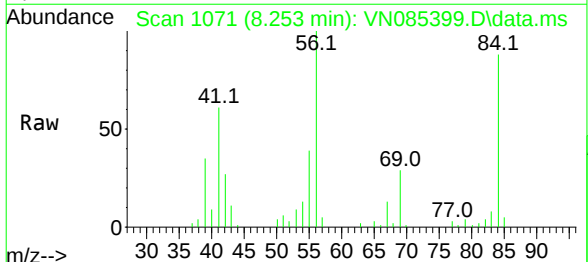
Tgt Ion: 83 Resp: 72438
Ion Ratio Lower Upper
83 100
85 65.9 52.0 78.0

Manual Integrations
APPROVED

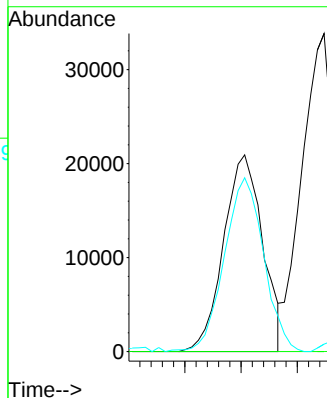
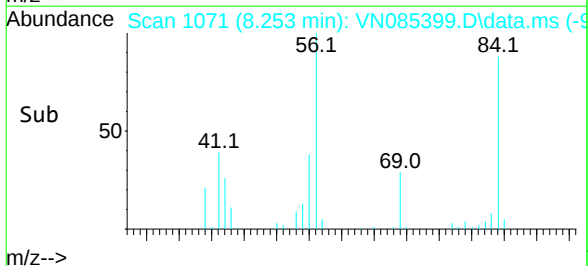
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025

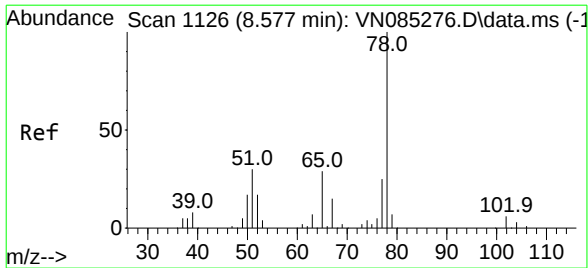


#26
Cyclohexane
Concen: 17.637 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58



Tgt Ion: 56 Resp: 50530
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 88.7 67.6 101.4





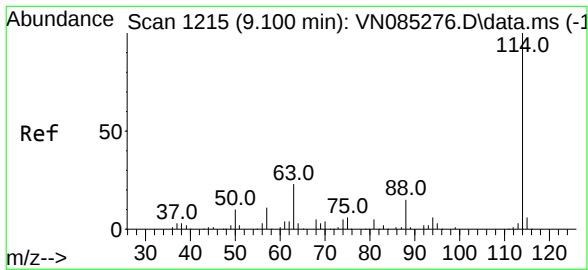
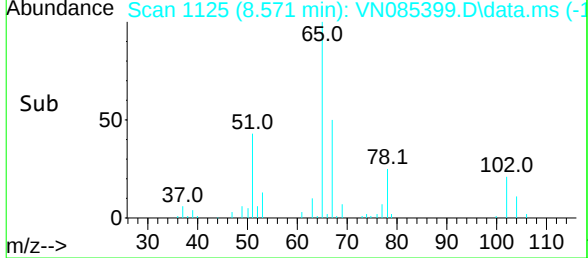
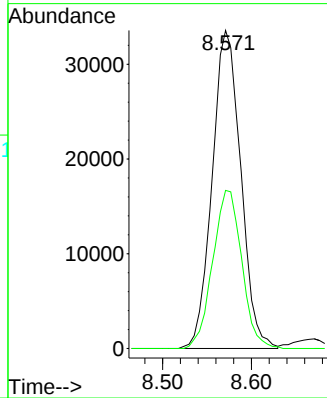
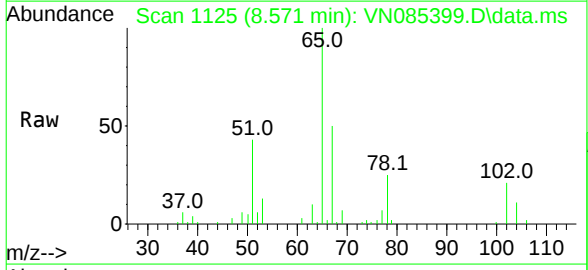
#27
1,2-Dichloroethane-d4
Concen: 30.411 ug/l
RT: 8.571 min Scan# 111
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 65 Resp: 75078
Ion Ratio Lower Upper
65 100
67 50.5 42.0 63.0

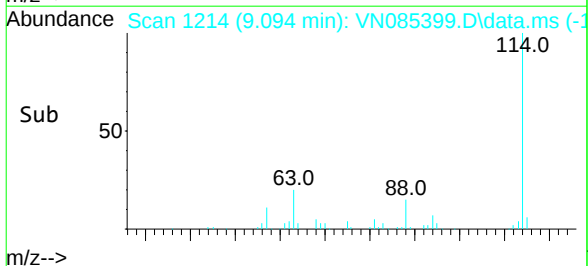
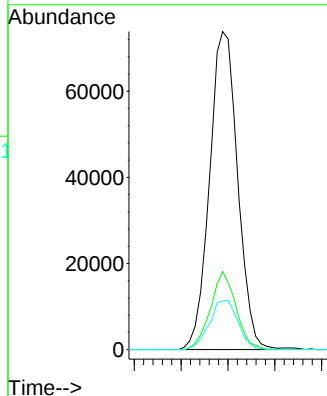
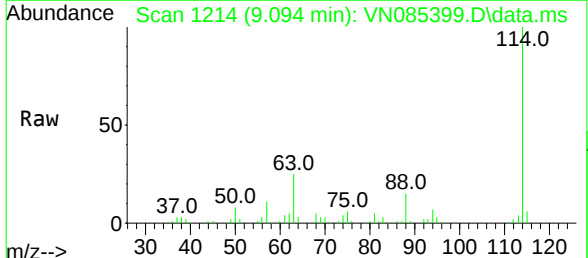
Manual Integrations
APPROVED

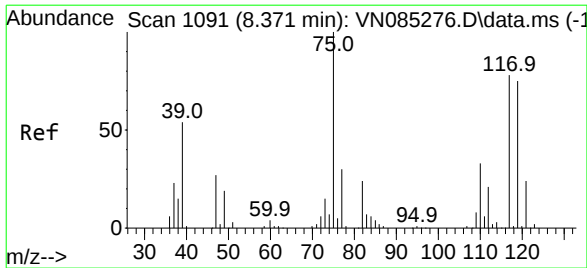
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Tgt Ion:114 Resp: 153797
Ion Ratio Lower Upper
114 100
63 22.3 18.0 27.0
88 15.8 12.9 19.3





#29
1,1-Dichloropropene
Concen: 18.401 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Instrument :

MSVOA_N

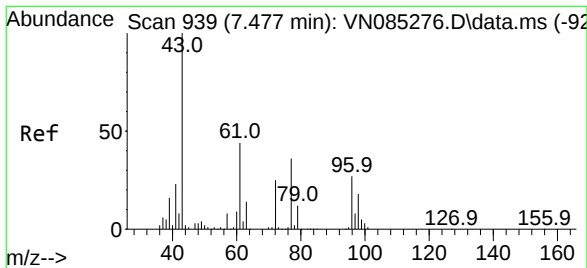
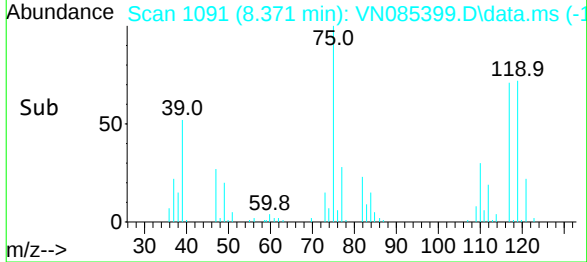
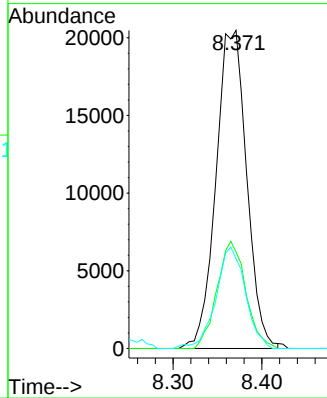
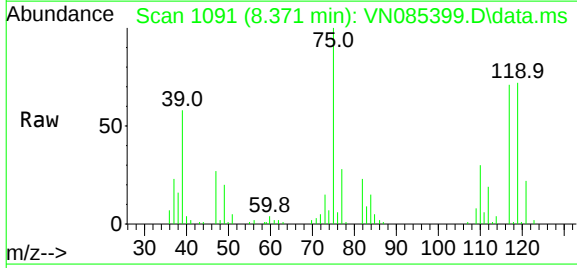
ClientSampleId :

VSTDCCC020EC

Tgt Ion: 75 Resp: 49135
Ion Ratio Lower Upper
75 100
110 31.6 0.0 64.8
77 30.2 0.0 60.8

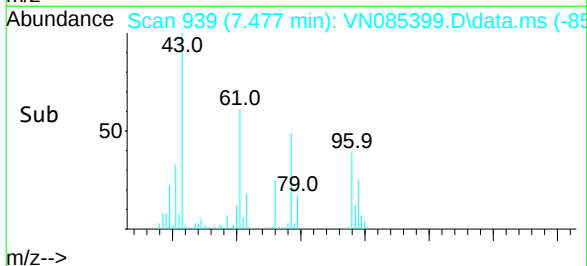
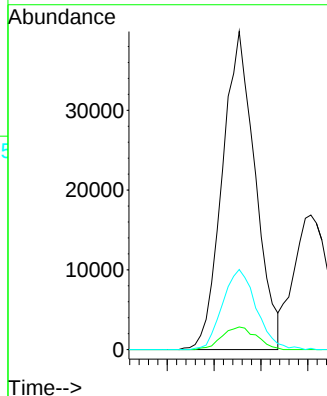
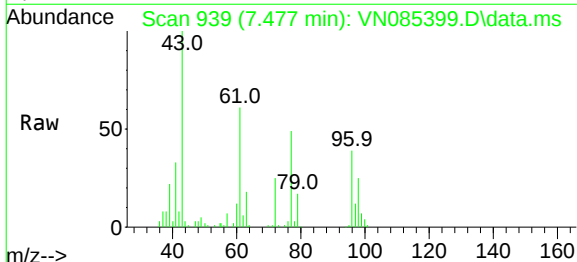
Manual Integrations
APPROVED

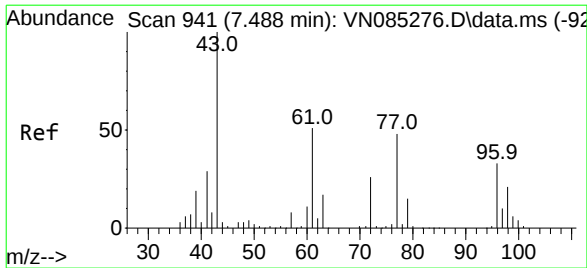
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025



#30
2-Butanone
Concen: 69.055 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Tgt Ion: 43 Resp: 97333
Ion Ratio Lower Upper
43 100
57 7.5 6.2 9.2
72 25.7 19.9 29.9





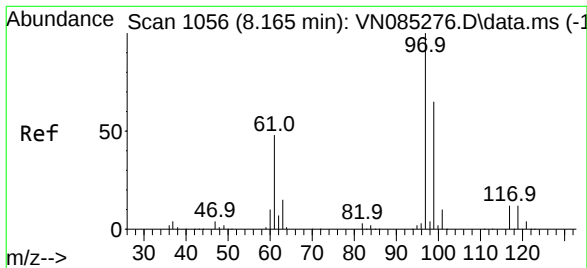
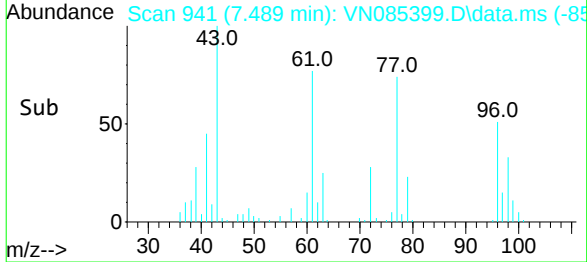
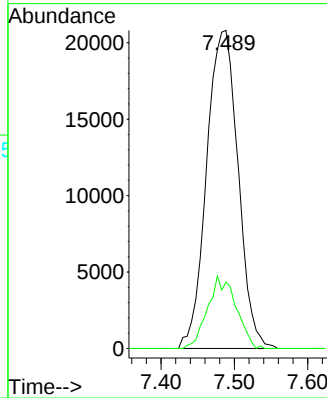
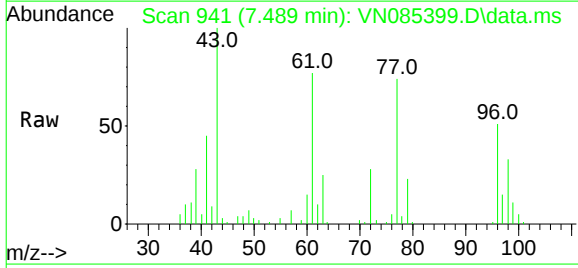
#31
2,2-Dichloropropane
Concen: 18.334 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 77 Resp: 62035
Ion Ratio Lower Upper
77 100
97 11.0 16.9 25.3#

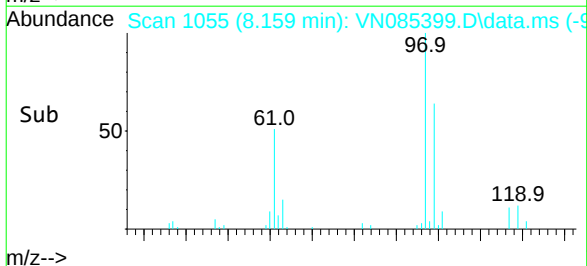
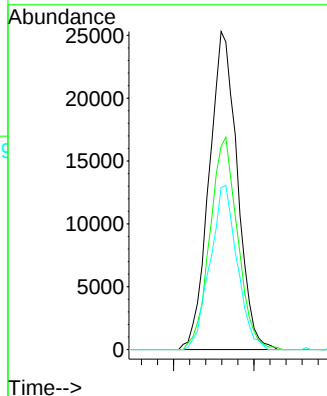
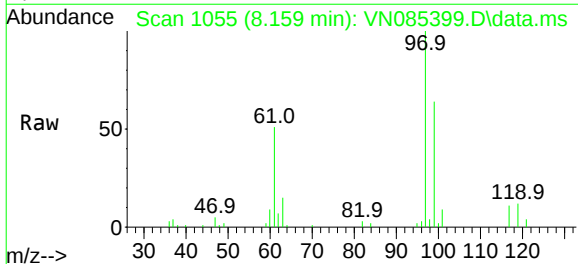
Manual Integrations
APPROVED

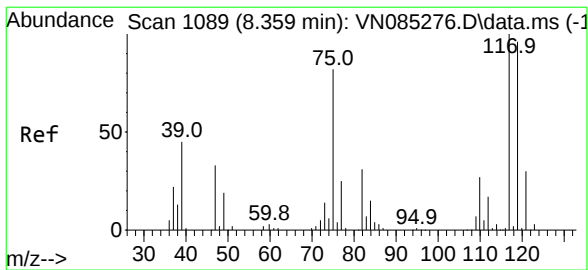
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025



#32
1,1,1-Trichloroethane
Concen: 17.795 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

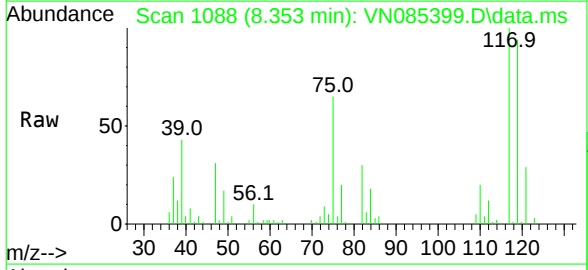
Tgt Ion: 97 Resp: 61771
Ion Ratio Lower Upper
97 100
99 65.3 52.2 78.2
61 49.5 39.8 59.8





#33
Carbon Tetrachloride
Concen: 17.975 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

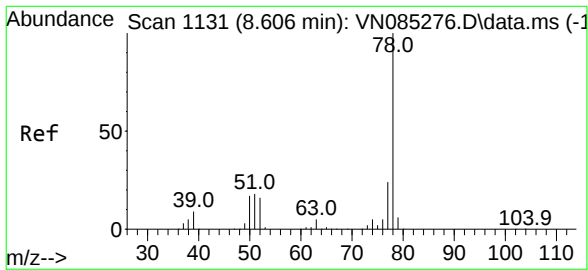
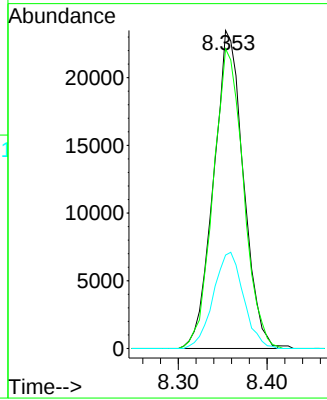
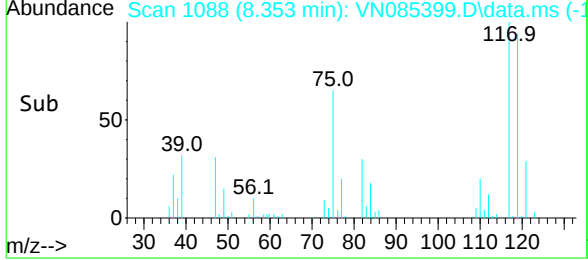
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



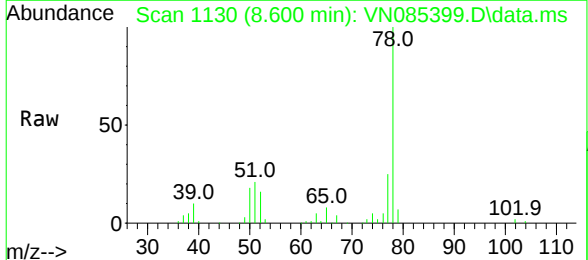
Tgt Ion: 117 Resp: 54621
Ion Ratio Lower Upper
117 100
119 94.2 71.6 107.4
121 29.4 23.5 35.3

Manual Integrations
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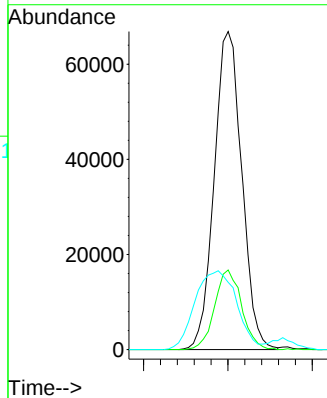
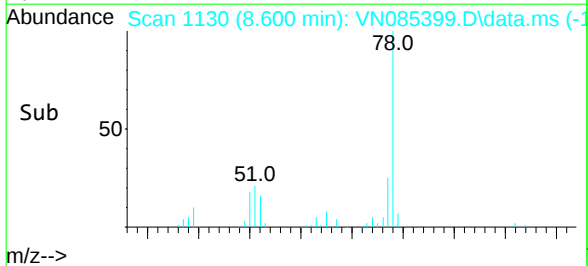
Reviewed By : John Carlone 01/08/2025
Supervised By : Mahesh Dadoda 01/08/2025

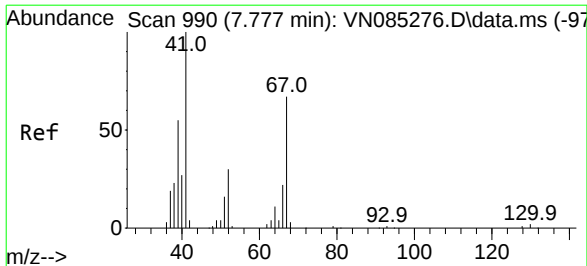


#34
Benzene
Concen: 17.997 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58



Tgt Ion: 78 Resp: 151907
Ion Ratio Lower Upper
78 100
77 25.0 19.3 28.9
51 19.0 14.6 21.8





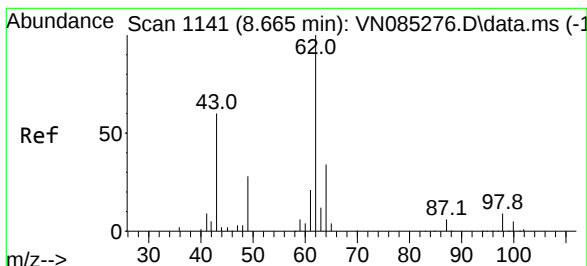
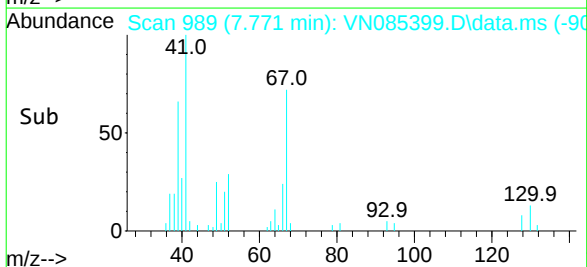
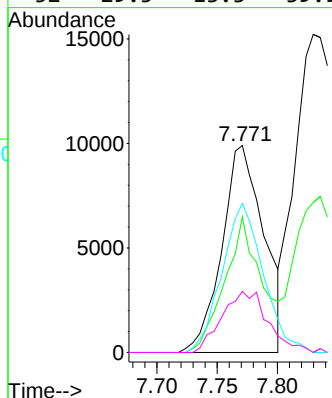
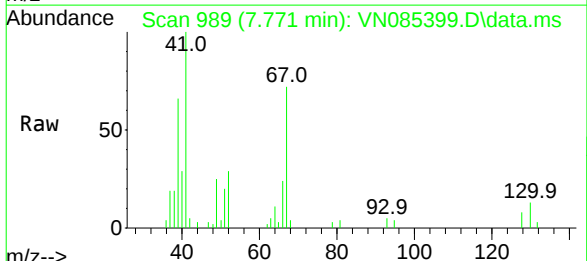
#35
Methacrylonitrile
Concen: 15.335 ug/l
RT: 7.771 min Scan# 98
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:	41	Resp:	23927
Ion	Ratio	Lower	Upper
41	100		
39	65.5	26.7	80.0
67	72.0	32.5	97.5
52	29.5	13.3	39.9

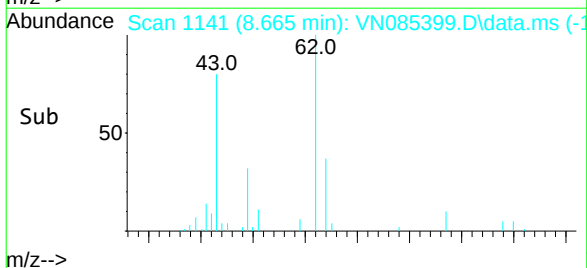
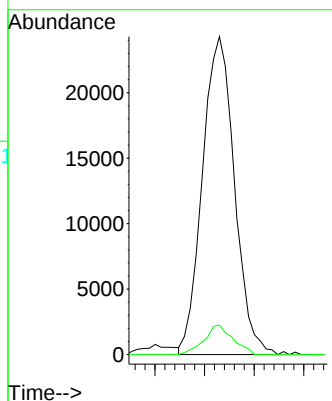
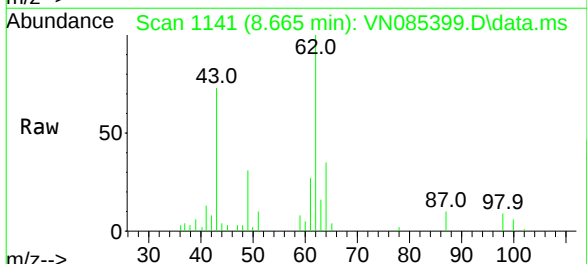
Manual Integrations
APPROVED

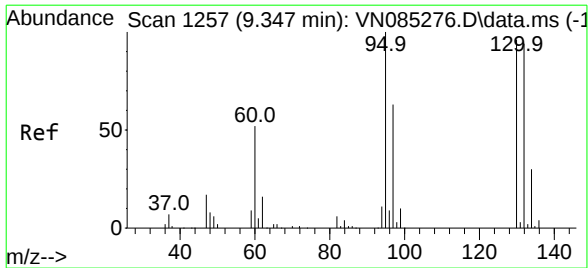
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025



#36
1,2-Dichloroethane
Concen: 17.845 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Tgt Ion:	62	Resp:	54468
Ion	Ratio	Lower	Upper
62	100		
98	8.3	6.6	10.0





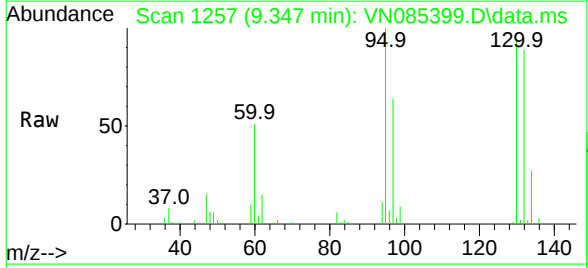
#37
 Trichloroethene
 Concen: 18.305 ug/l
 RT: 9.347 min Scan# 1299
 Delta R.T. 0.000 min
 Lab File: VN085399.D
 Acq: 07 Jan 2025 15:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

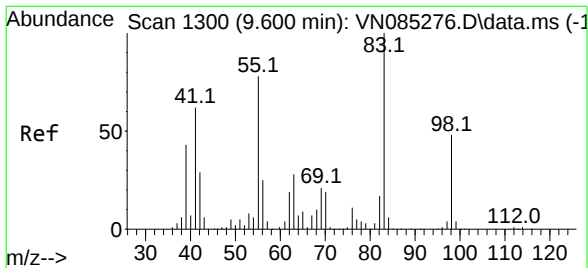
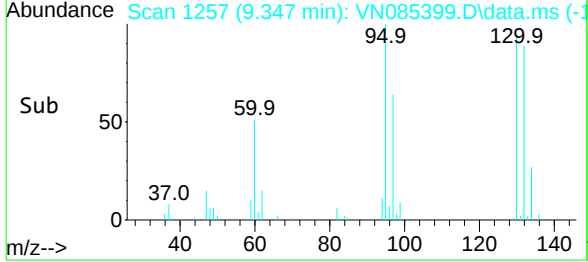
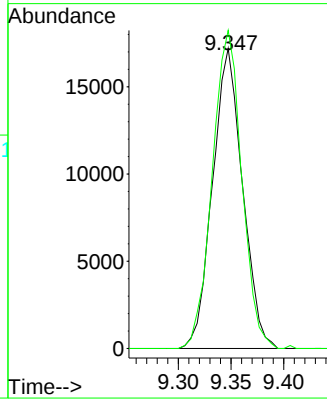


Tgt Ion:130 Resp: 33994
 Ion Ratio Lower Upper
 130 100
 95 106.0 80.0 120.0

Manual Integrations

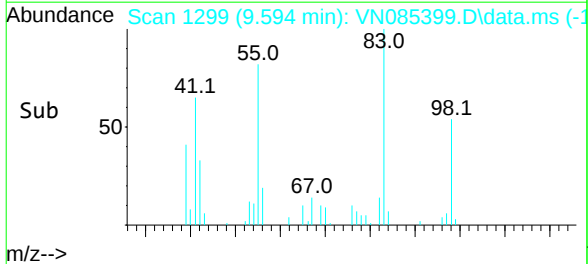
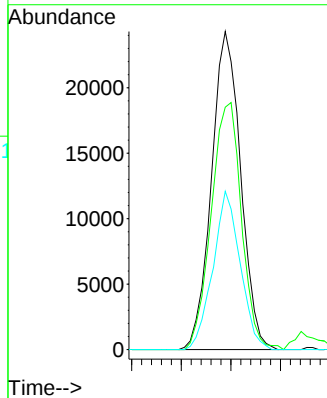
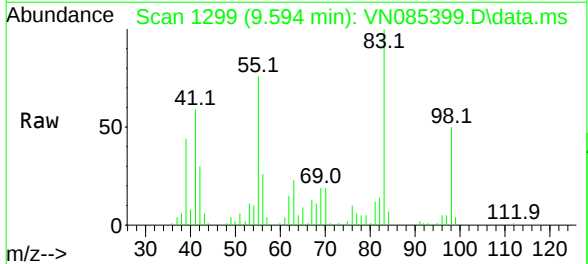
APPROVED

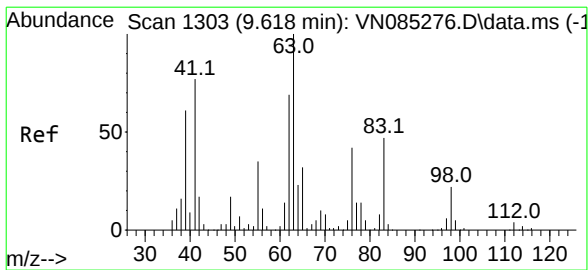
Reviewed By :John Carlone 01/08/2025
 Supervised By :Mahesh Dadoda 01/08/2025



#38
 Methylcyclohexane
 Concen: 17.980 ug/l
 RT: 9.594 min Scan# 1299
 Delta R.T. -0.006 min
 Lab File: VN085399.D
 Acq: 07 Jan 2025 15:58

Tgt Ion: 83 Resp: 49685
 Ion Ratio Lower Upper
 83 100
 55 80.1 43.6 130.8
 98 46.5 24.2 72.6





#39

1,2-Dichloropropane

Concen: 17.945 ug/l

RT: 9.618 min Scan# 13

Delta R.T. 0.000 min

Lab File: VN085399.D

Acq: 07 Jan 2025 15:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 38536

Ion Ratio Lower Upper

63 100

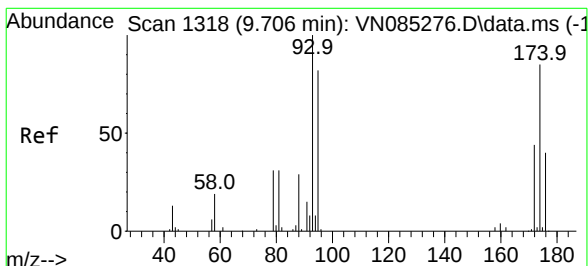
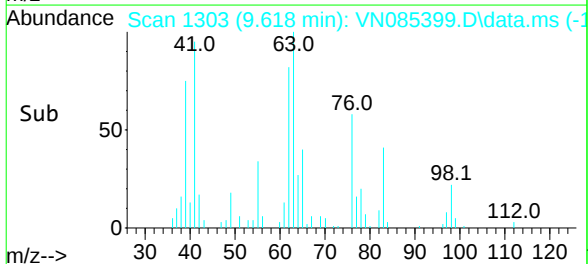
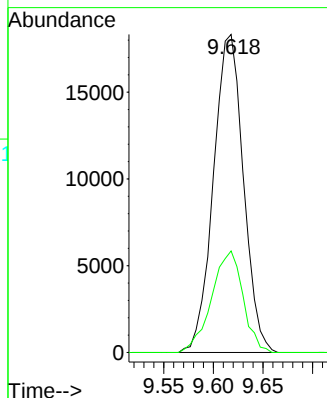
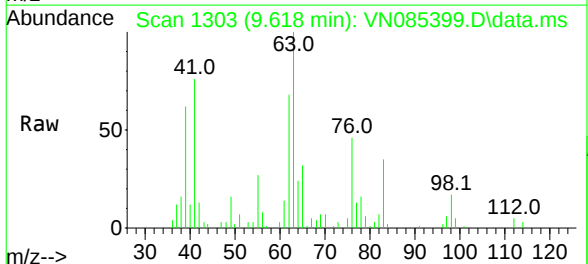
65 31.9 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/08/2025

Supervised By :Mahesh Dadoda 01/08/2025



#40

Dibromomethane

Concen: 17.425 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. -0.006 min

Lab File: VN085399.D

Acq: 07 Jan 2025 15:58

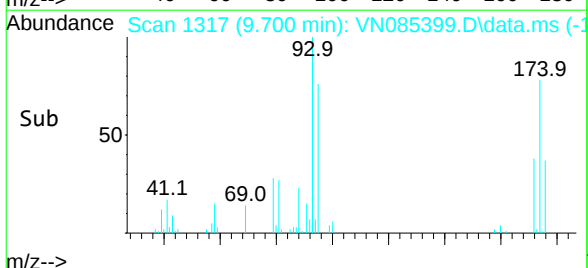
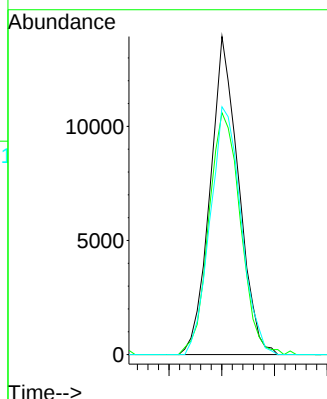
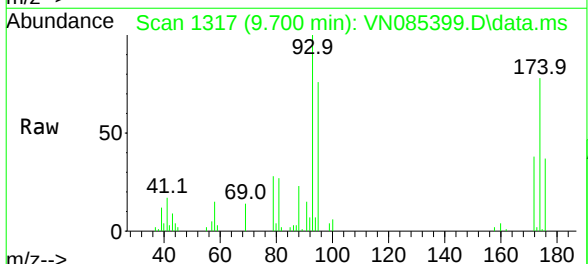
Tgt Ion: 93 Resp: 26089

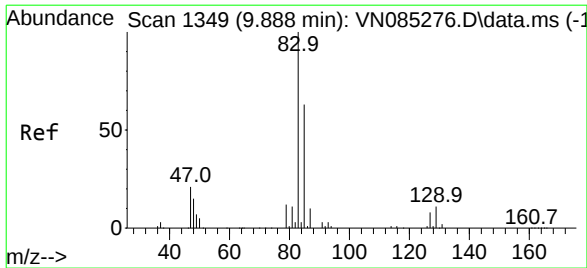
Ion Ratio Lower Upper

93 100

95 84.3 0.0 167.6

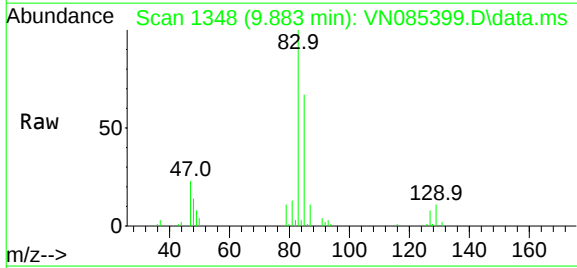
174 84.6 0.0 171.0





#41
Bromodichloromethane
Concen: 18.128 ug/l
RT: 9.883 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

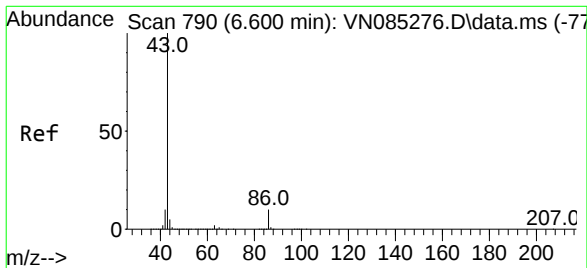
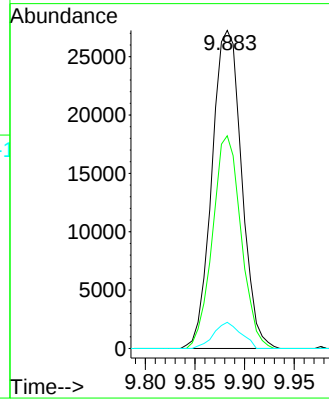
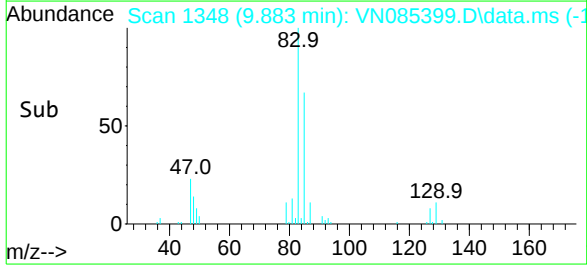
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



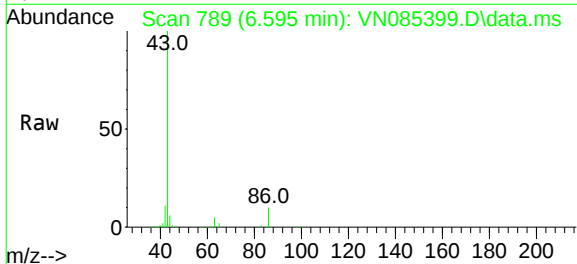
Tgt Ion: 83 Resp: 56722
Ion Ratio Lower Upper
83 100
85 66.9 50.1 75.1
127 8.2 5.8 8.6

Manual Integrations
APPROVED

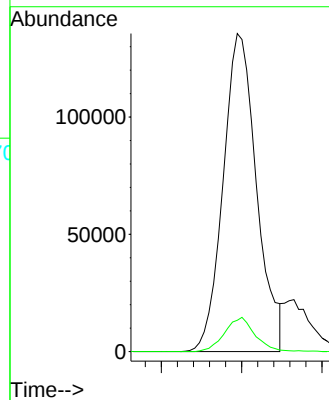
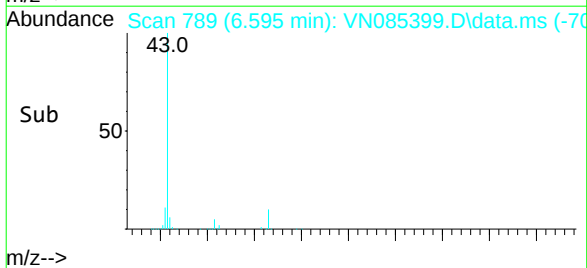
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025

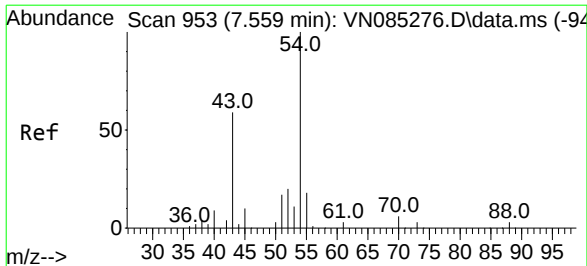


#42
Vinyl Acetate
Concen: 79.053 ug/l
RT: 6.595 min Scan# 789
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58



Tgt Ion: 43 Resp: 393318
Ion Ratio Lower Upper
43 100
86 9.7 7.9 11.9





#43

Ethyl Acetate

Concen: 14.230 ug/l

RT: 7.553 min Scan# 953

Delta R.T. 0.000 min

Lab File: VN085399.D

Acq: 07 Jan 2025 15:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 43 Resp: 41478

Ion Ratio Lower Upper

43 100

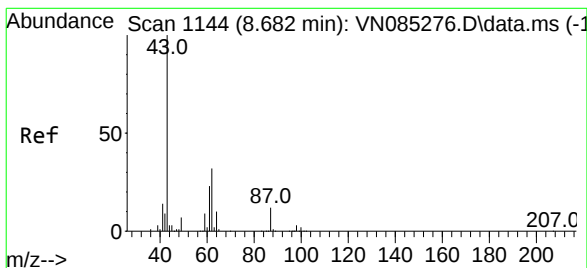
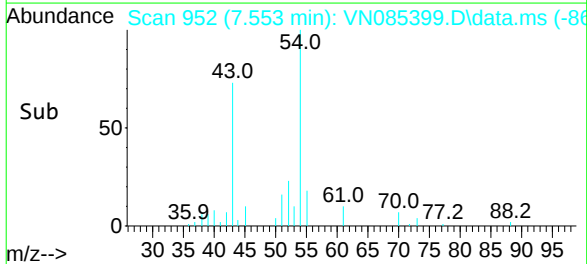
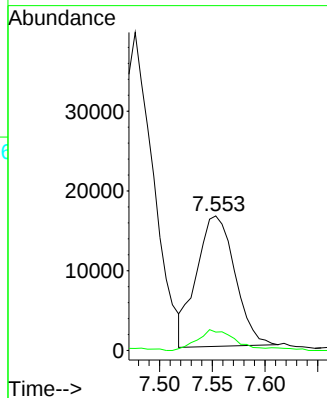
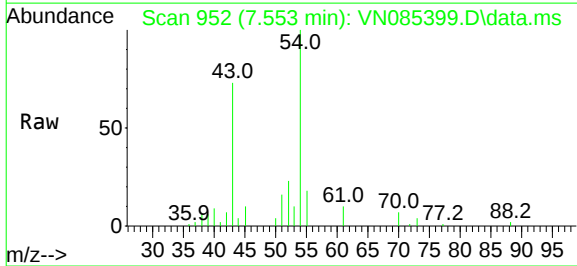
45 15.3 11.9 17.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/08/2025

Supervised By :Mahesh Dadoda 01/08/2025



#44

Isopropyl Acetate

Concen: 15.448 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. -0.006 min

Lab File: VN085399.D

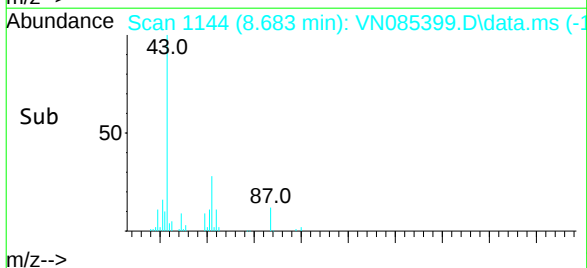
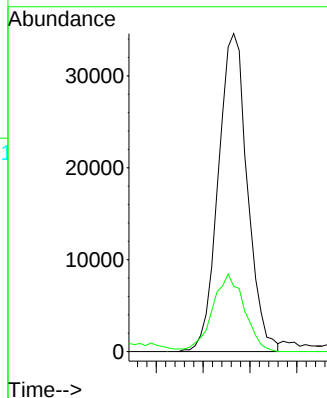
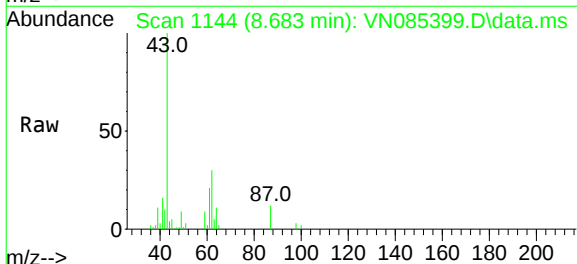
Acq: 07 Jan 2025 15:58

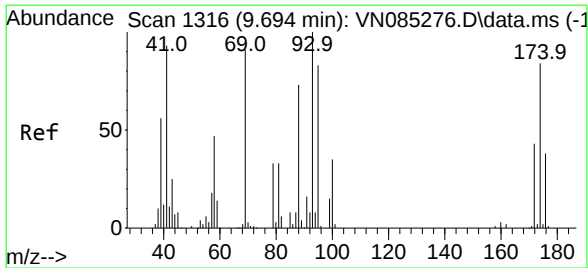
Tgt Ion: 43 Resp: 74802

Ion Ratio Lower Upper

43 100

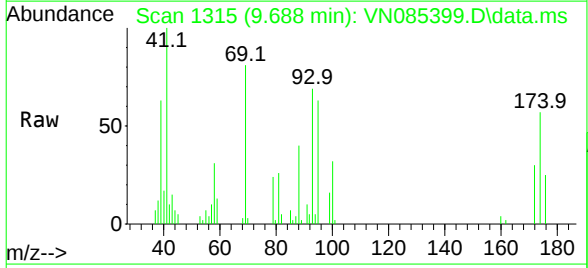
61 26.6 19.7 29.5





#45
1,4-Dioxane
Concen: 234.051 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

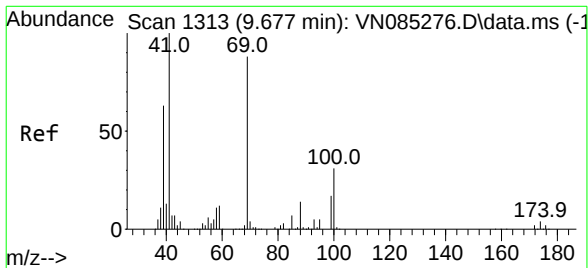
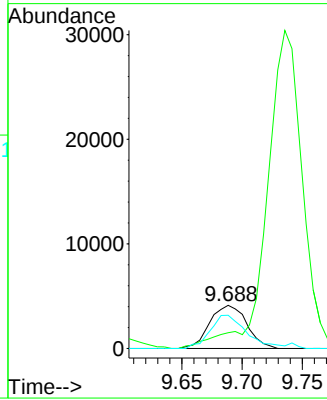
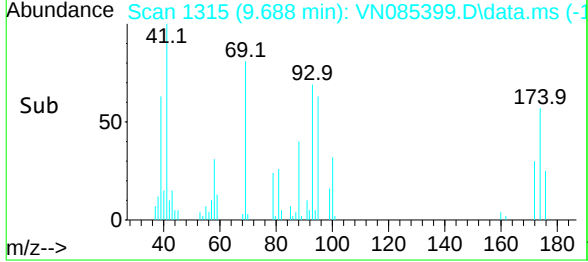
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



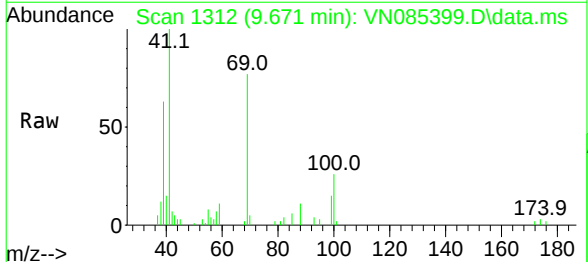
Tgt Ion: 88 Resp: 8815
Ion Ratio Lower Upper
88 100
43 35.9 25.4 38.2
58 75.8 58.5 87.7

Manual Integrations
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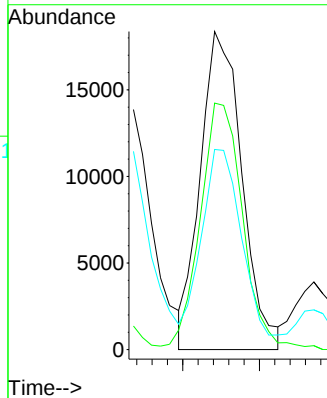
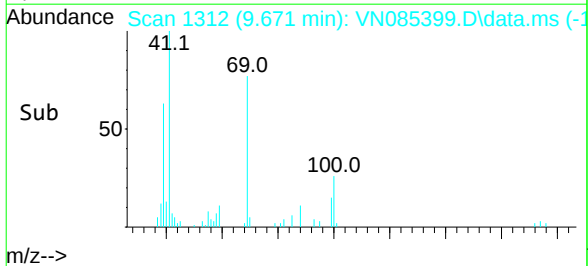
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025

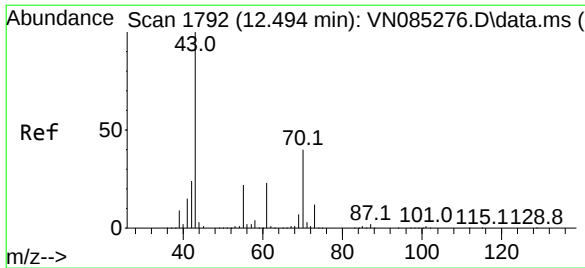


#46
Methyl methacrylate
Concen: 15.406 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.012 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58



Tgt Ion: 41 Resp: 34628
Ion Ratio Lower Upper
41 100
69 81.2 39.9 119.6
39 62.8 31.6 95.0





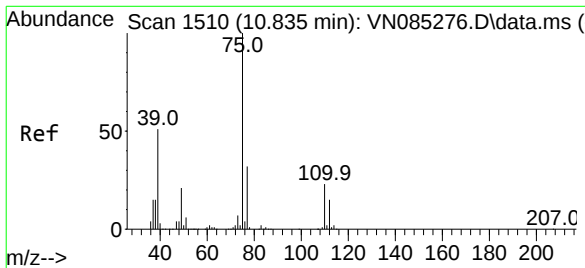
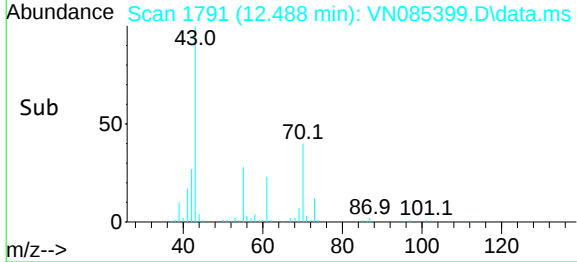
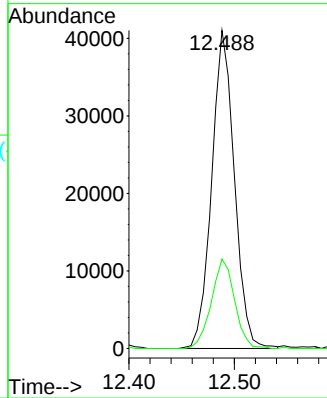
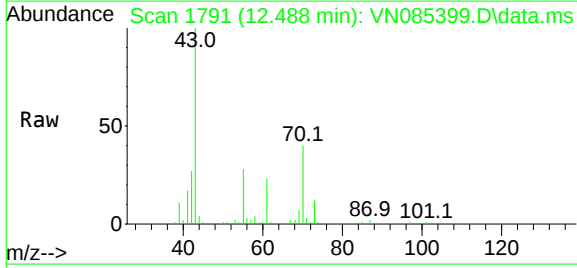
#47
n-amy1 Acetate
Concen: 14.869 ug/l
RT: 12.488 min Scan# 17
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 61334
Ion Ratio Lower Upper
43 100
55 28.6 21.3 31.9

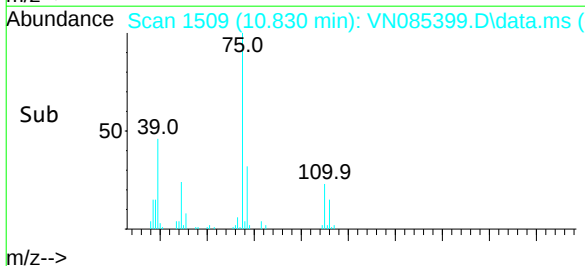
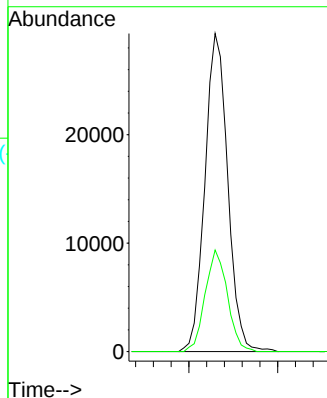
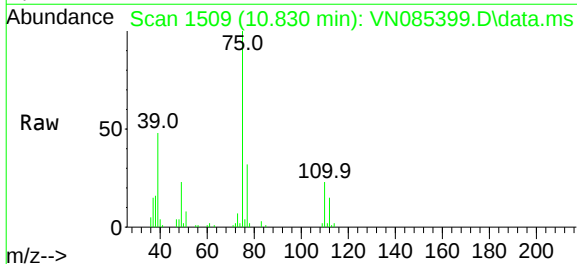
Manual Integrations
APPROVED

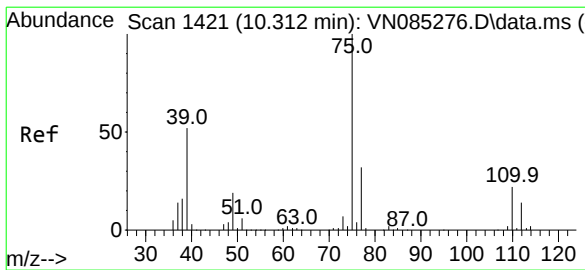
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025



#48
t-1,3-Dichloropropene
Concen: 16.943 ug/l
RT: 10.830 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

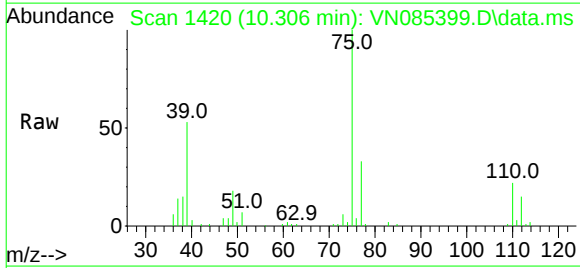
Tgt Ion: 75 Resp: 52364
Ion Ratio Lower Upper
75 100
77 31.9 23.8 35.6





#49
cis-1,3-Dichloropropene
Concen: 17.443 ug/l
RT: 10.306 min Scan# 1421
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

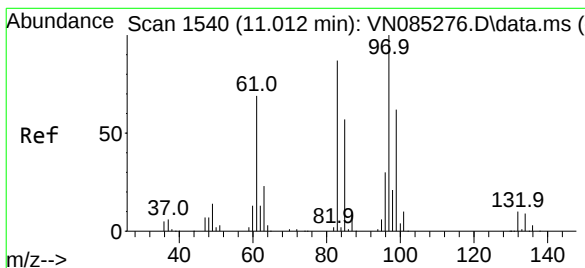
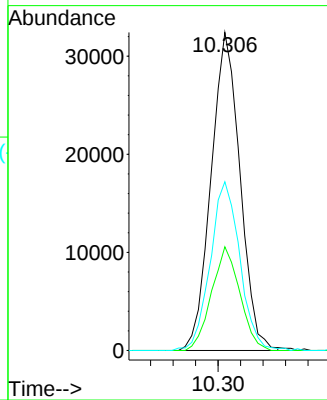
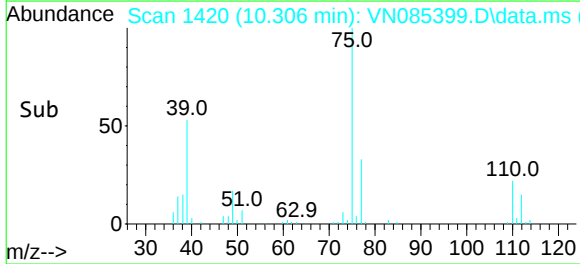
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 57960
Ion Ratio Lower Upper
75 100
77 32.6 26.6 40.0
39 52.4 41.9 62.9

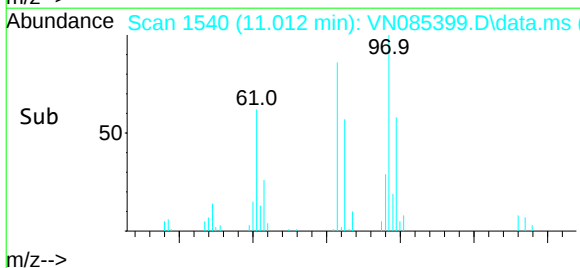
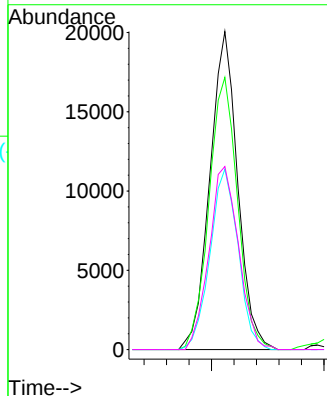
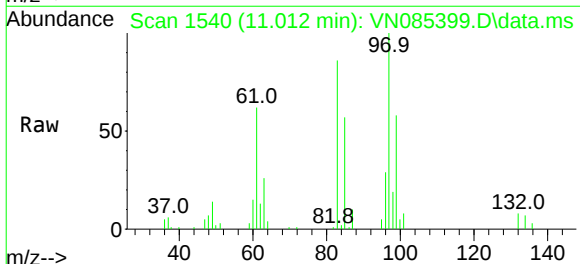
Manual Integrations
APPROVED

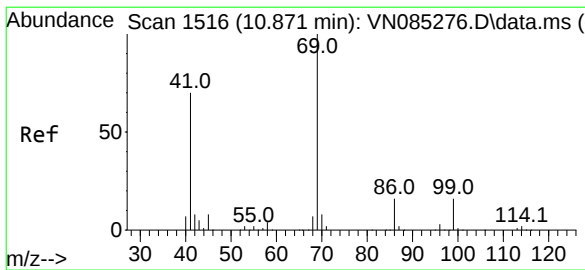
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025



#50
1,1,2-Trichloroethane
Concen: 17.615 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

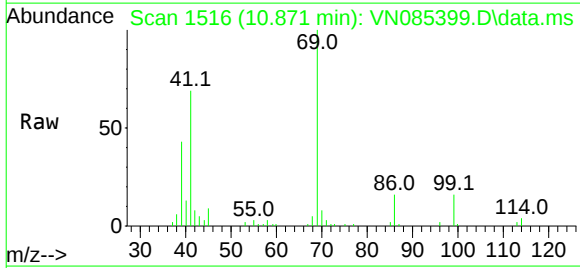
Tgt Ion: 97 Resp: 34493
Ion Ratio Lower Upper
97 100
83 85.6 72.2 108.2
85 56.7 46.6 70.0
99 57.6 51.4 77.0





#51
Ethyl methacrylate
Concen: 15.835 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

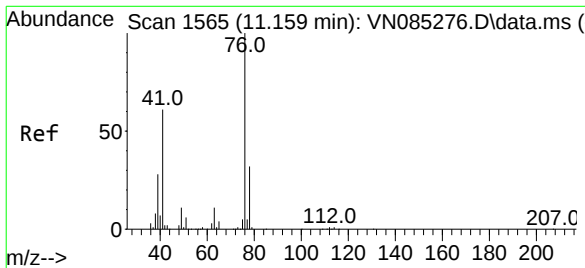
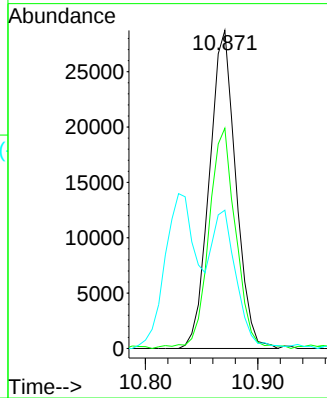
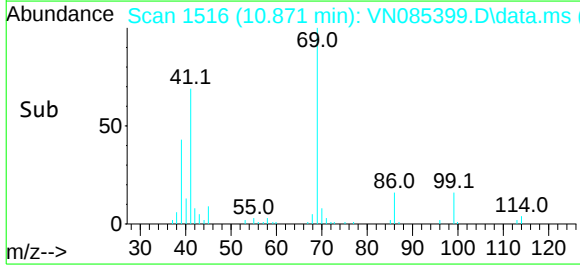
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.5	38.1	114.5
39	42.6	24.1	72.2

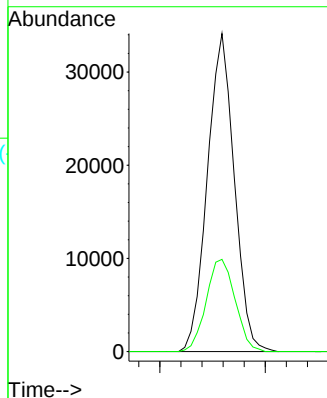
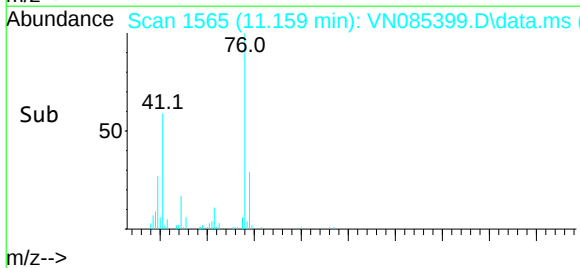
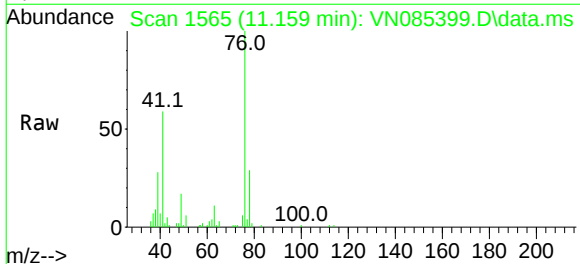
Manual Integrations
APPROVED

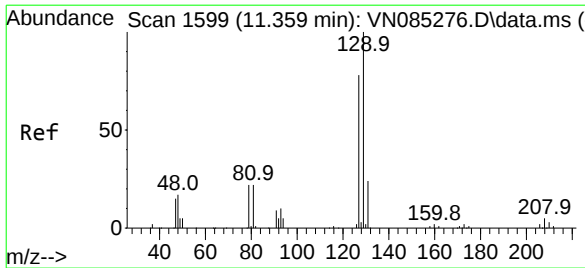
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025



#52
1,3-Dichloropropane
Concen: 17.710 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.1	0.0	66.2





#53

Dibromochloromethane

Concen: 17.233 ug/l

RT: 11.353 min Scan# 1599

Delta R.T. -0.006 min

Lab File: VN085399.D

Acq: 07 Jan 2025 15:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:129 Resp: 39540

Ion Ratio Lower Upper

129 100

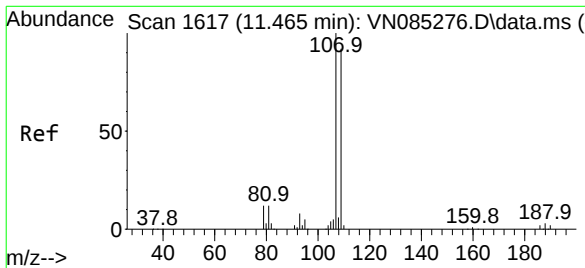
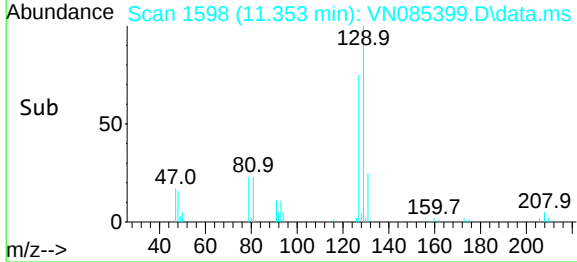
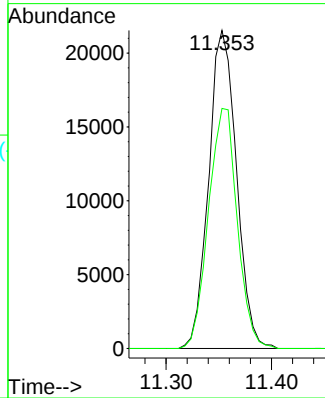
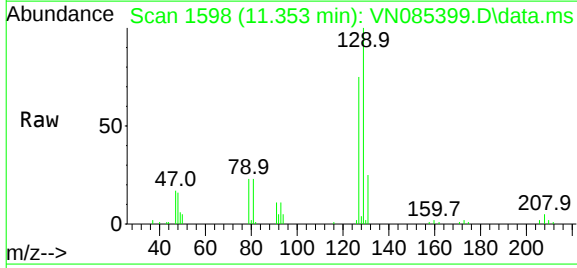
127 78.1 38.1 114.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/08/2025

Supervised By :Mahesh Dadoda 01/08/2025



#54

1,2-Dibromoethane

Concen: 17.274 ug/l

RT: 11.465 min Scan# 1617

Delta R.T. 0.000 min

Lab File: VN085399.D

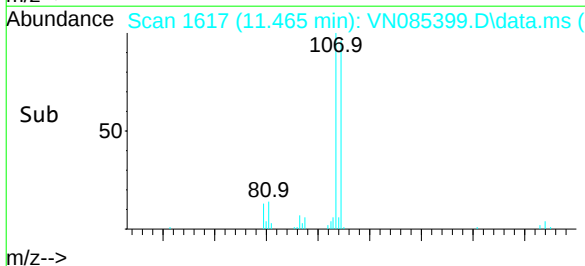
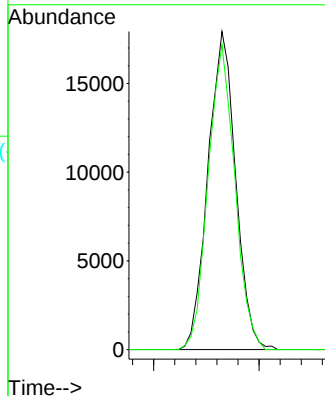
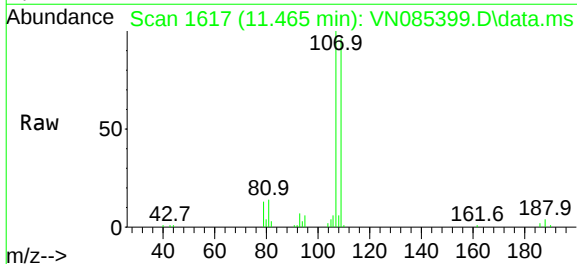
Acq: 07 Jan 2025 15:58

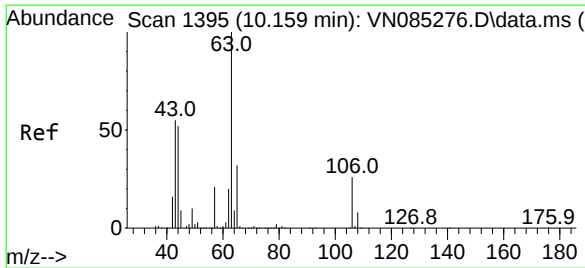
Tgt Ion:107 Resp: 32733

Ion Ratio Lower Upper

107 100

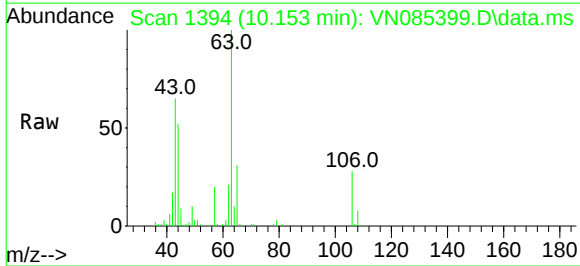
109 92.5 76.2 114.4





#55
2-Chloroethyl vinyl ether
Concen: 70.962 ug/l
RT: 10.153 min Scan# 1395
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

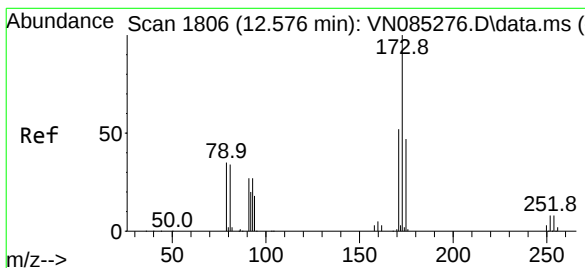
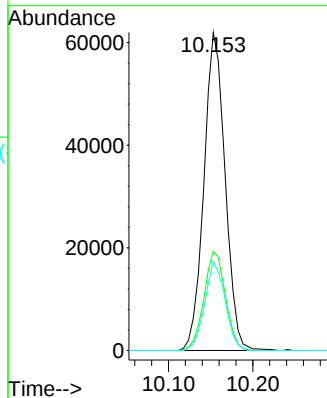
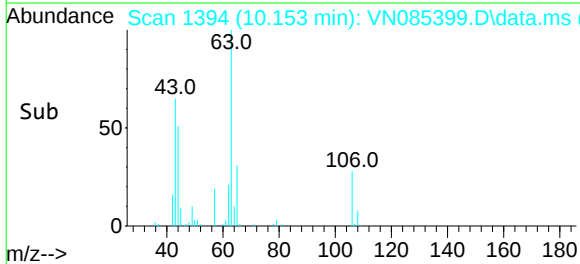
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 63 Resp: 108256
Ion Ratio Lower Upper
63 100
65 31.5 25.9 38.9
106 26.9 21.2 31.8

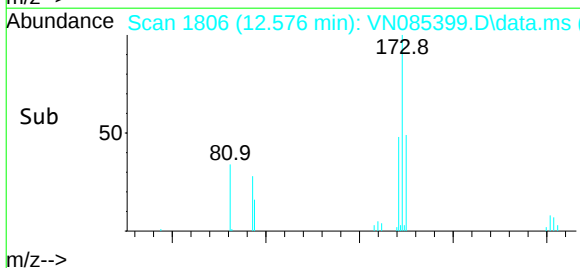
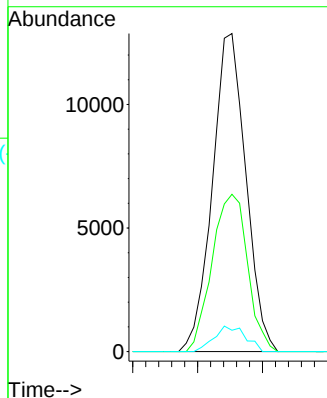
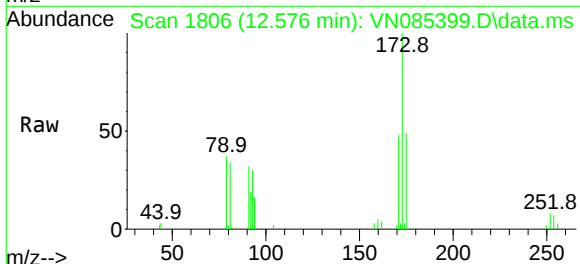
Manual Integrations
APPROVED

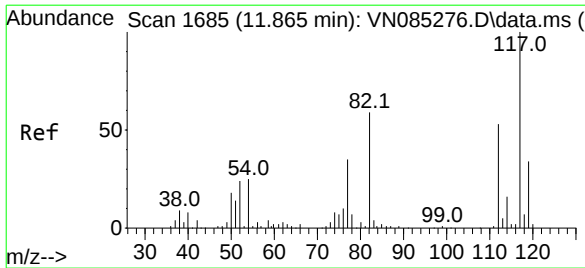
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025



#56
Bromoform
Concen: 15.395 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Tgt Ion:173 Resp: 23043
Ion Ratio Lower Upper
173 100
175 52.4 39.4 59.2
254 7.5 7.2 10.8





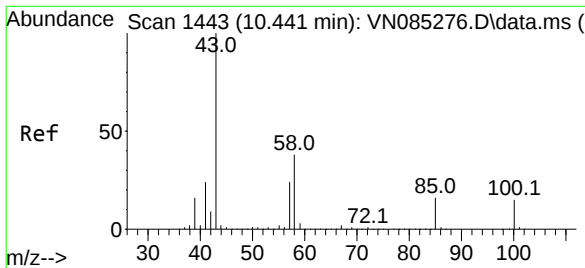
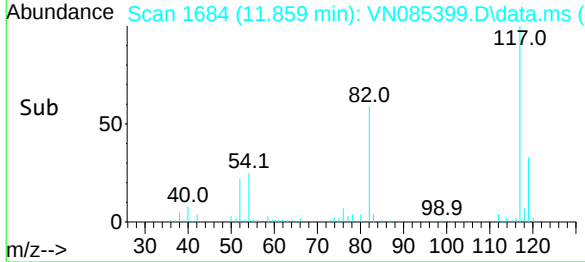
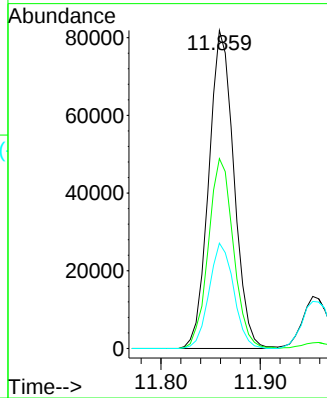
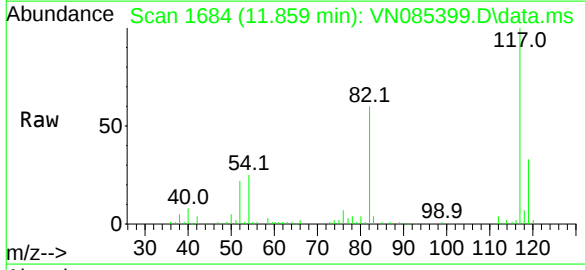
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.859 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:	117	Resp:	144216
Ion	Ratio	Lower	Upper
117	100		
82	59.5	47.4	71.0
119	32.4	25.3	37.9

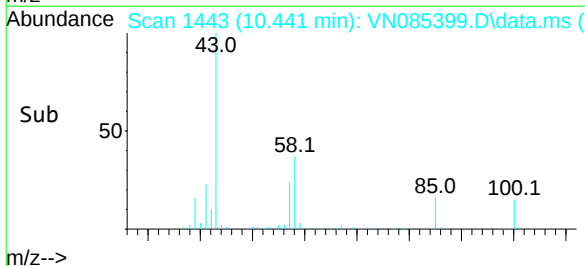
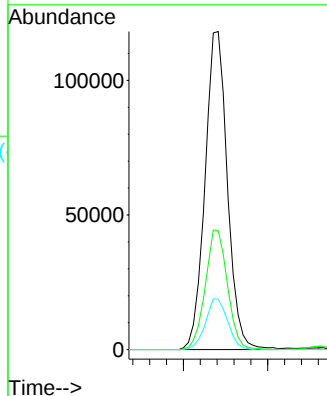
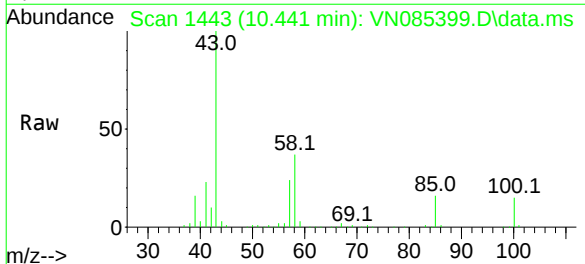
Manual Integrations
APPROVED

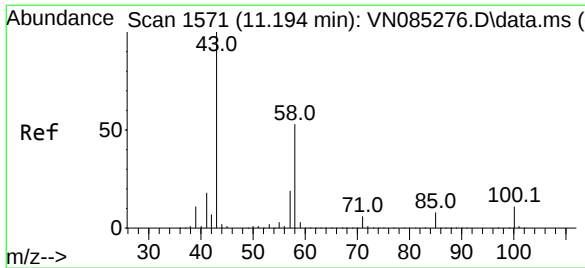
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025



#58
4-Methyl-2-Pentanone
Concen: 74.520 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Tgt Ion:	43	Resp:	217868
Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.2	43.8
85	15.8	12.8	19.2





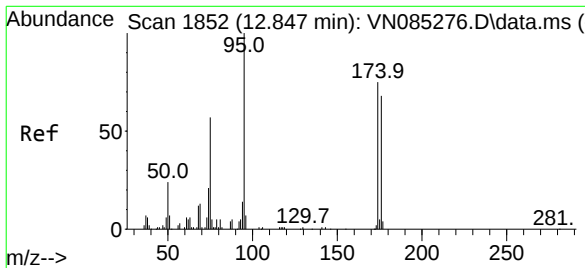
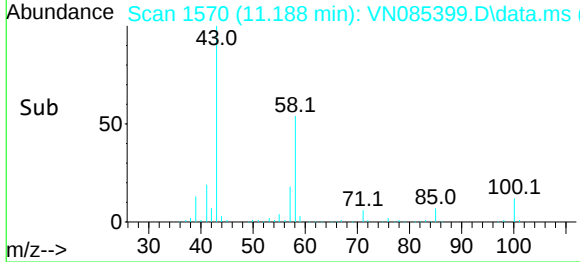
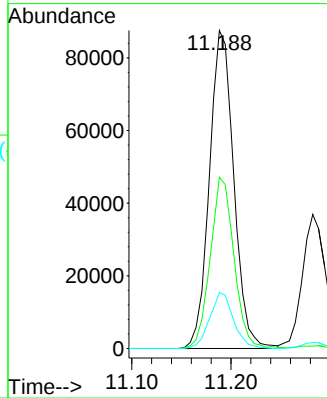
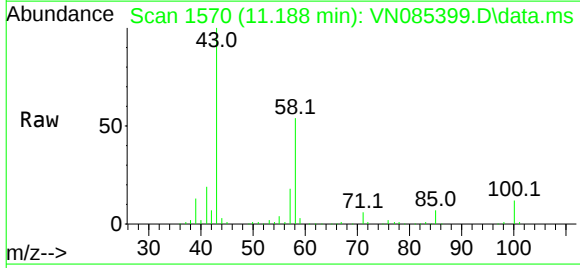
#59
2-Hexanone
Concen: 70.346 ug/l
RT: 11.188 min Scan# 1571
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 149407
Ion Ratio Lower Upper
43 100
58 52.2 40.2 60.4
57 17.2 14.2 21.4

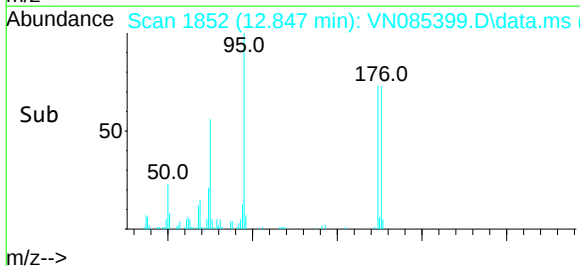
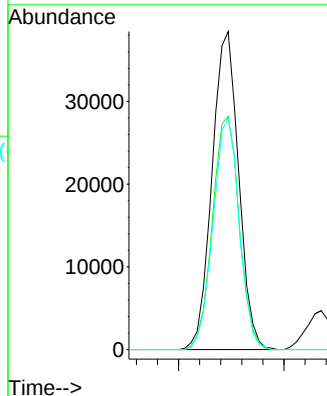
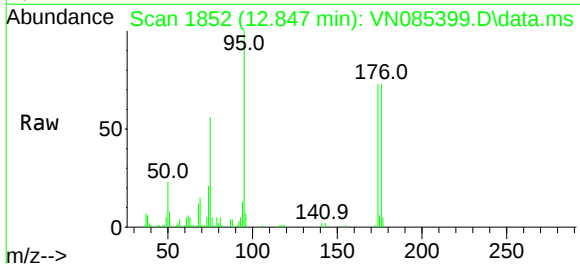
Manual Integrations
APPROVED

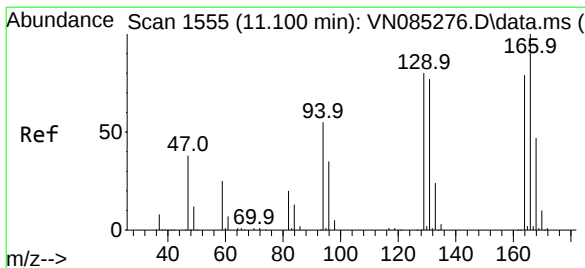
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025



#60
4-Bromofluorobenzene
Concen: 28.818 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

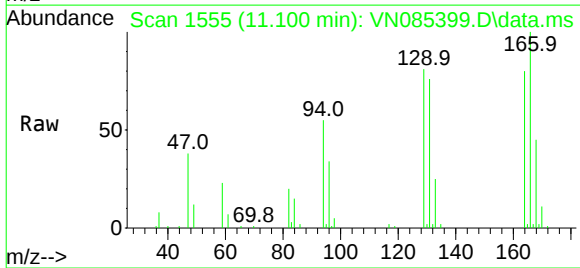
Tgt Ion: 95 Resp: 67321
Ion Ratio Lower Upper
95 100
174 73.9 57.8 86.8
176 71.5 57.1 85.7





#61
Tetrachloroethene
Concen: 18.110 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

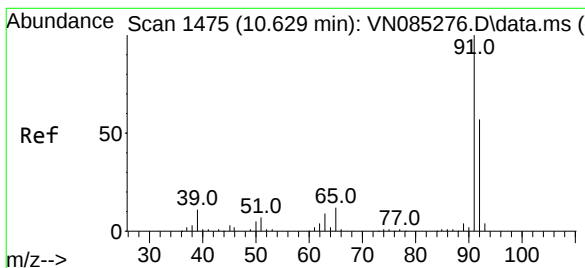
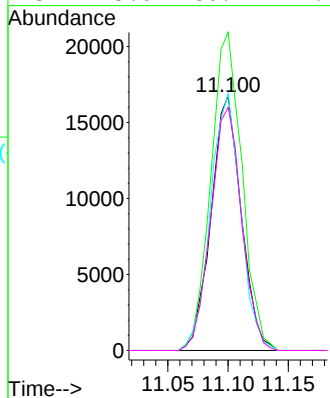
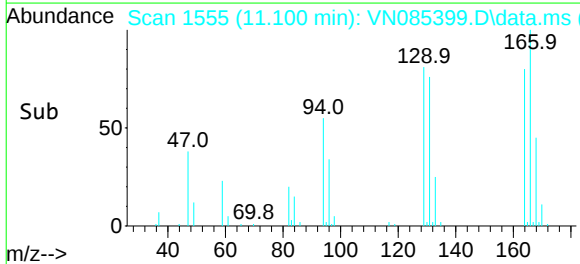
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 164 Resp: 29156
Ion Ratio Lower Upper
164 100
166 125.0 109.0 163.4
129 100.9 85.1 127.7
131 95.6 80.7 121.1

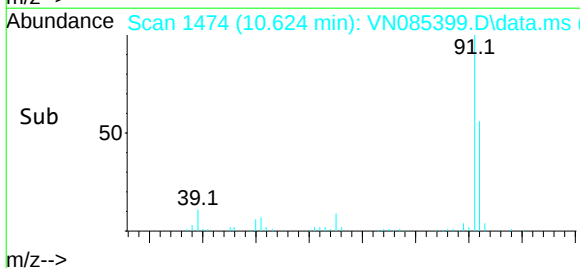
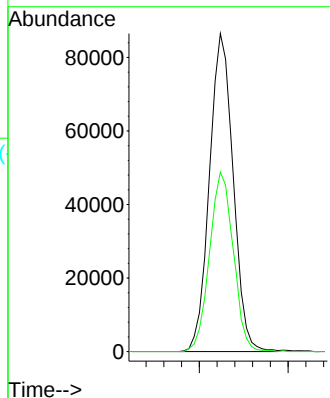
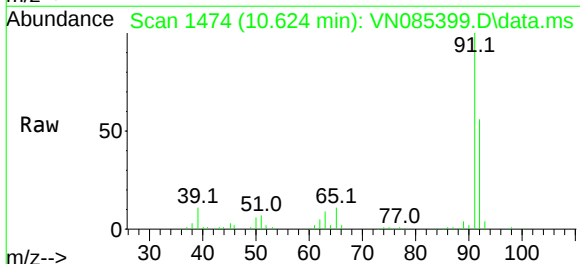
Manual Integrations
APPROVED

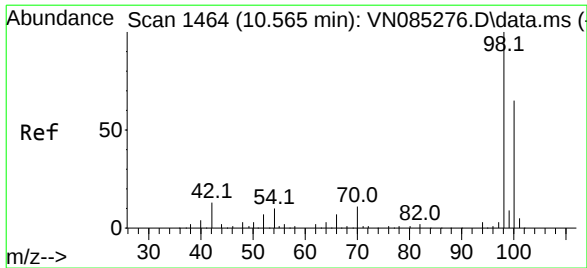
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025



#62
Toluene
Concen: 18.111 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Tgt Ion: 91 Resp: 160463
Ion Ratio Lower Upper
91 100
92 56.6 45.9 68.9





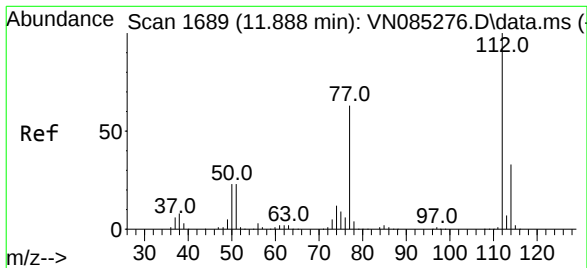
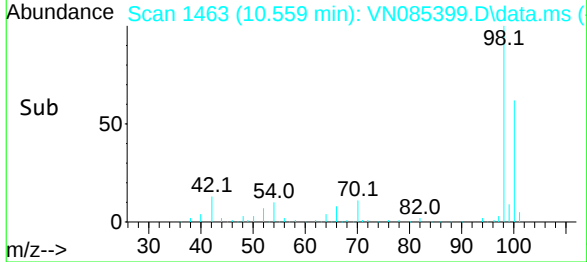
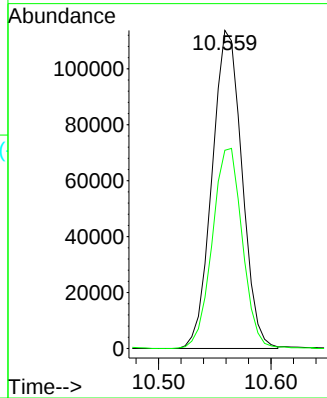
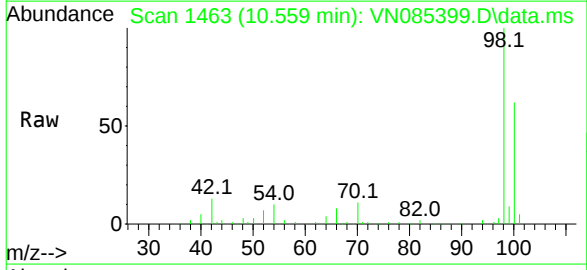
#63
Toluene-d8
Concen: 29.831 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 98 Resp: 210074
Ion Ratio Lower Upper
98 100
100 63.3 50.8 76.2

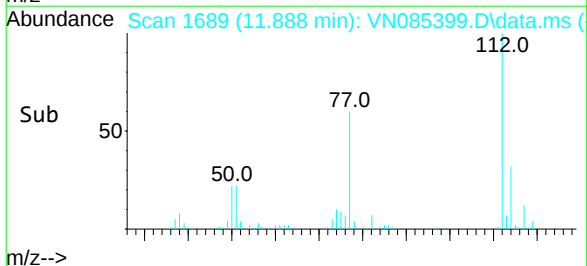
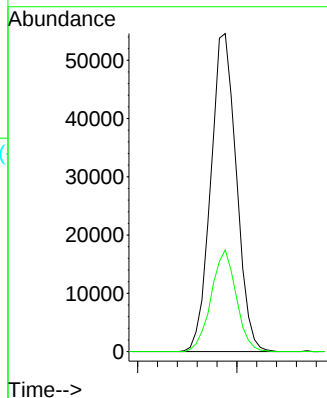
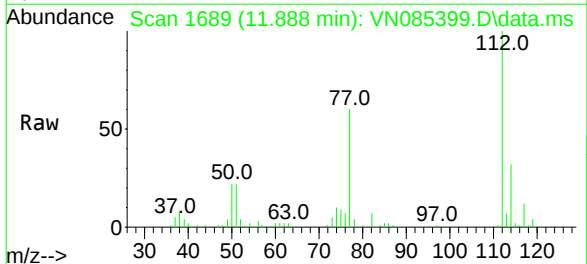
Manual Integrations
APPROVED

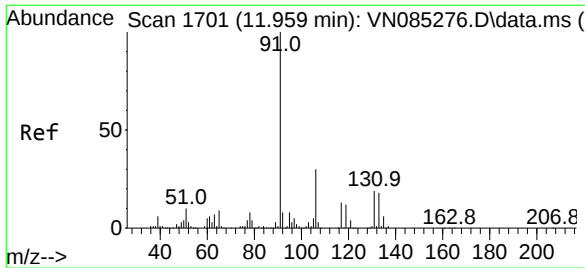
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025



#64
Chlorobenzene
Concen: 18.315 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

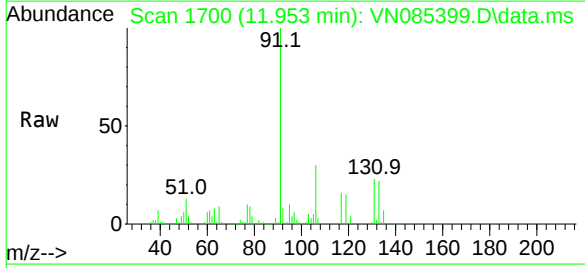
Tgt Ion:112 Resp: 97867
Ion Ratio Lower Upper
112 100
114 31.9 26.4 39.6





#65
1,1,1,2-Tetrachloroethane
Concen: 17.851 ug/l
RT: 11.953 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

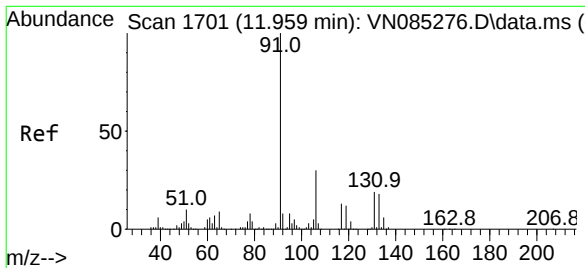
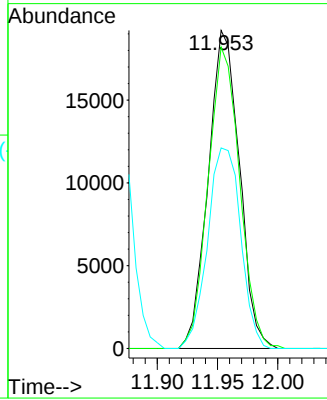
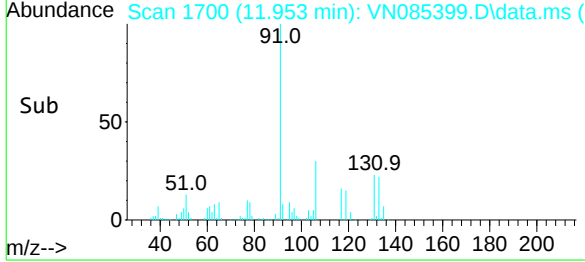
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



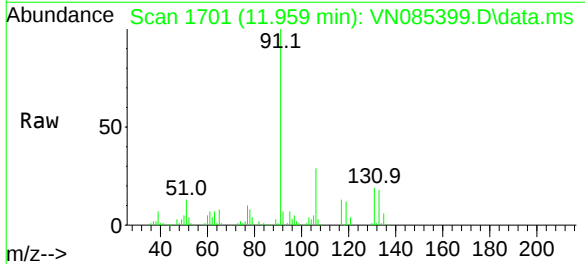
Tgt Ion: 131 Resp: 34593
Ion Ratio Lower Upper
131 100
133 95.7 0.0 189.4
119 66.8 0.0 135.0

Manual Integrations
APPROVED

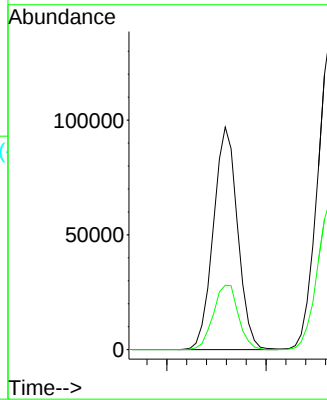
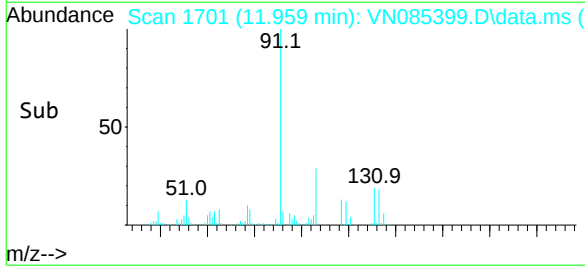
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025

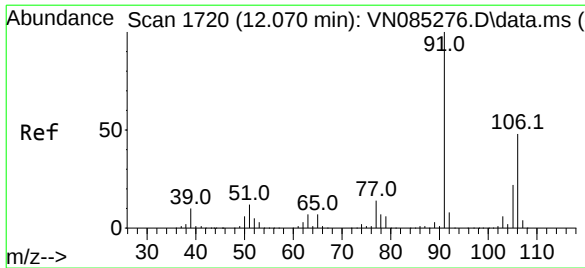


#66
Ethyl Benzene
Concen: 17.640 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58



Tgt Ion: 91 Resp: 164453
Ion Ratio Lower Upper
91 100
106 28.9 23.2 34.8





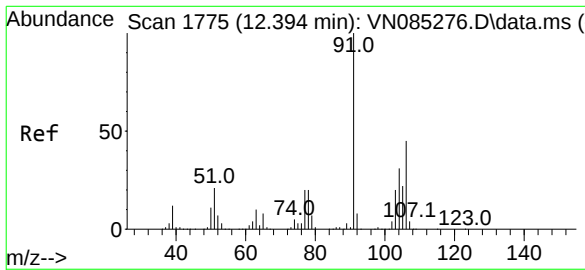
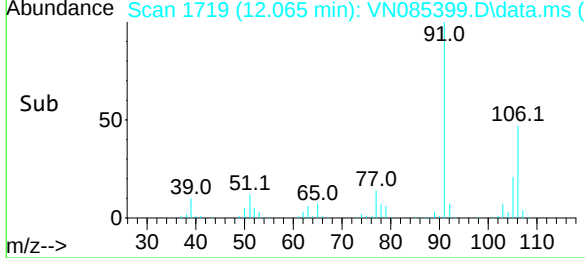
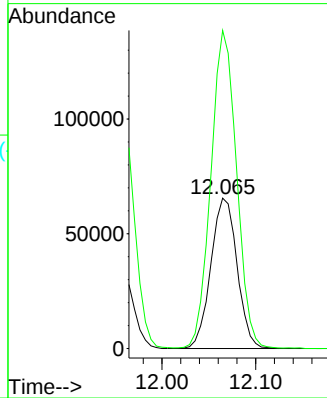
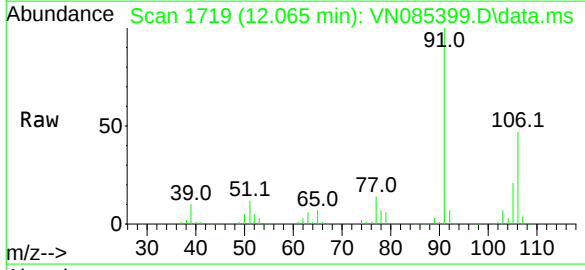
#67
m/p-Xylenes
Concen: 36.357 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 127159
Ion Ratio Lower Upper
106 100
91 206.9 167.0 250.4

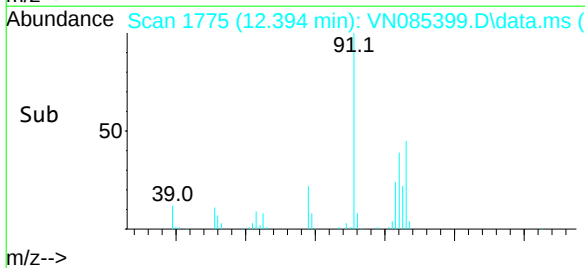
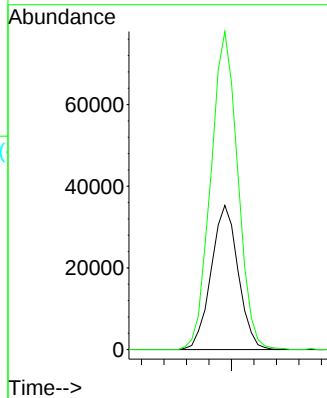
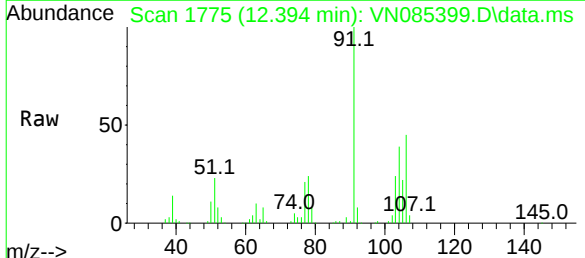
Manual Integrations
APPROVED

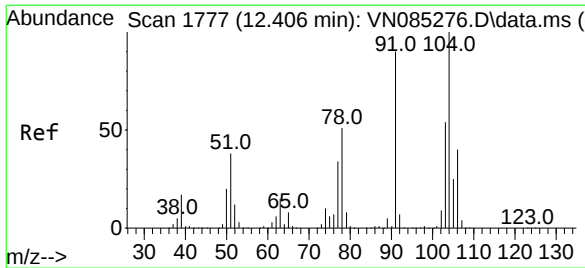
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025



#68
o-Xylene
Concen: 17.704 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Tgt Ion:106 Resp: 58979
Ion Ratio Lower Upper
106 100
91 220.6 110.6 331.8





#69

Styrene

Concen: 17.685 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.006 min

Lab File: VN085399.D

Acq: 07 Jan 2025 15:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

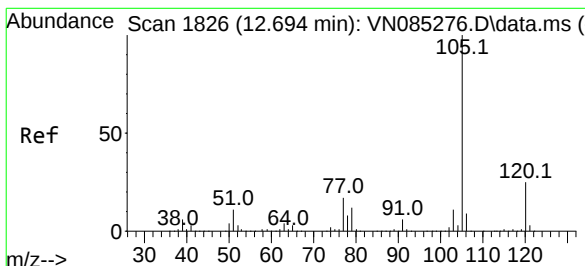
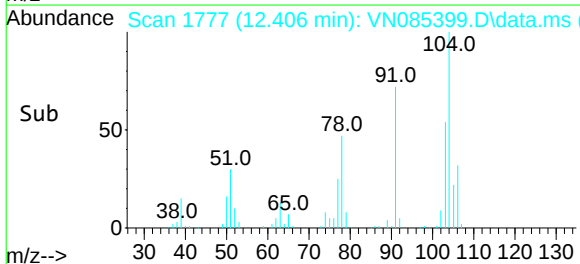
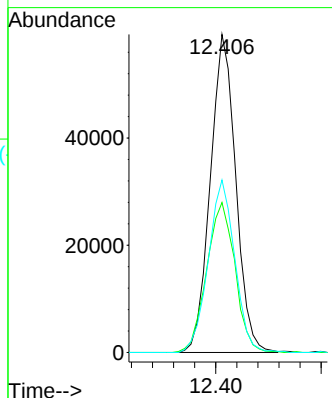
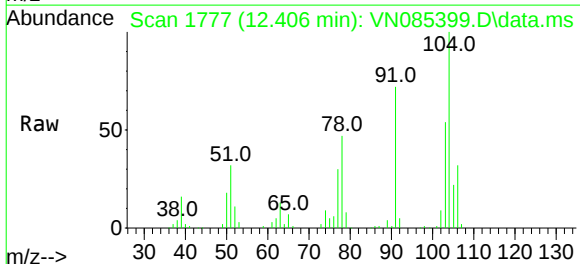
Tgt Ion:	104	Resp:	99568
Ion Ratio	Lower	Upper	
104	100		
78	52.4	41.0	61.4
103	56.5	44.8	67.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/08/2025

Supervised By :Mahesh Dadoda 01/08/2025



#70

Isopropylbenzene

Concen: 18.180 ug/l

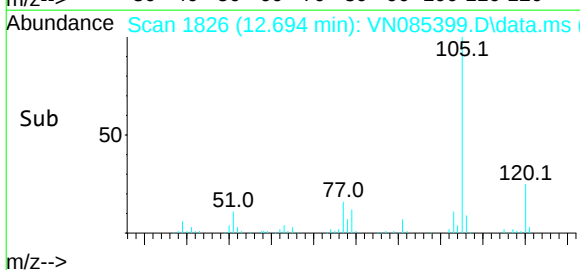
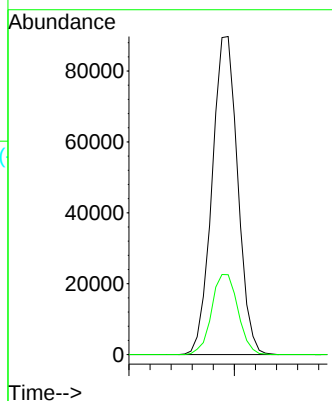
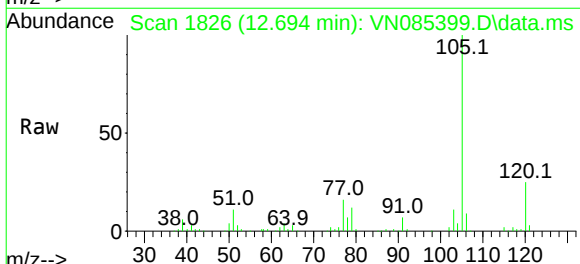
RT: 12.694 min Scan# 1826

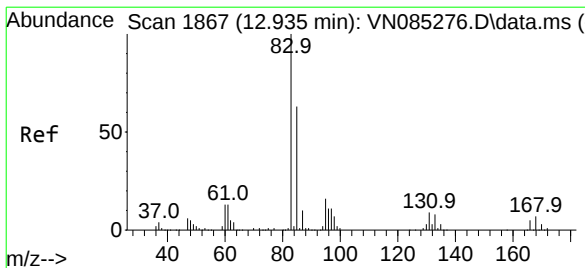
Delta R.T. 0.000 min

Lab File: VN085399.D

Acq: 07 Jan 2025 15:58

Tgt Ion:	105	Resp:	152079
Ion Ratio	Lower	Upper	
105	100		
120	25.8	18.4	34.2





#71

1,1,2,2-Tetrachloroethane

Concen: 16.221 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VN085399.D

Acq: 07 Jan 2025 15:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

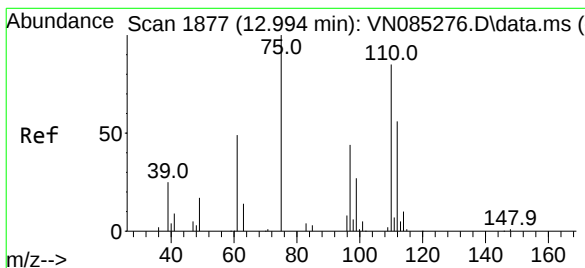
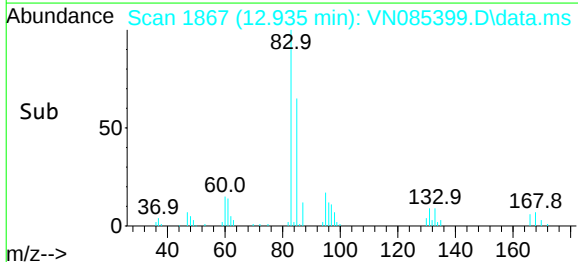
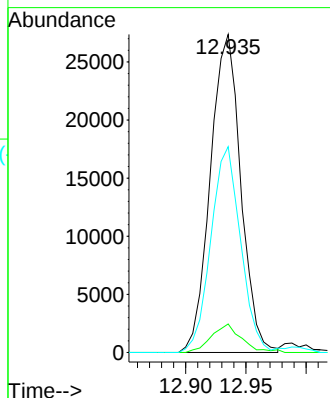
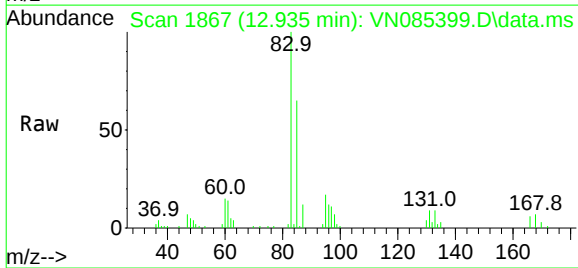
Tgt Ion:	83	Resp:	48125
Ion Ratio	Lower	Upper	
83	100		
131	8.7	5.0	15.0
85	63.1	33.0	98.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/08/2025

Supervised By :Mahesh Dadoda 01/08/2025



#72

1,2,3-Trichloropropane

Concen: 16.148 ug/l m

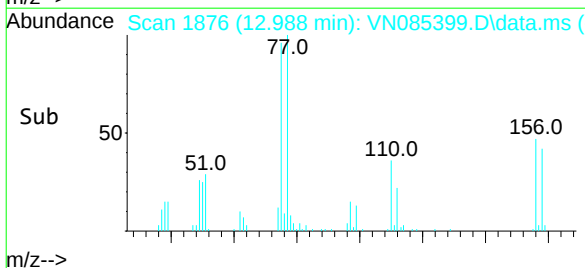
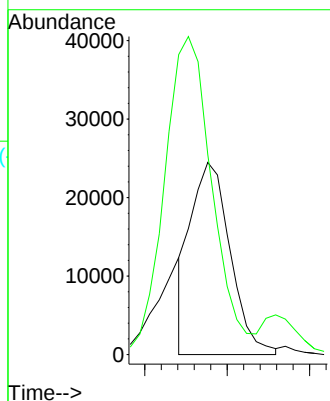
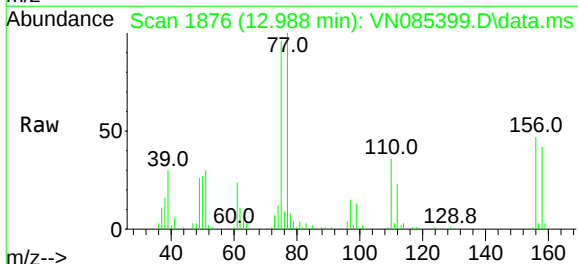
RT: 12.988 min Scan# 1876

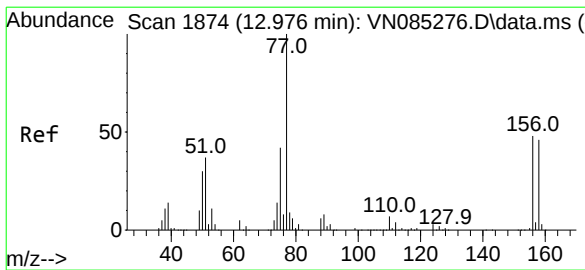
Delta R.T. -0.006 min

Lab File: VN085399.D

Acq: 07 Jan 2025 15:58

Tgt Ion:	75	Resp:	40775
Ion Ratio	Lower	Upper	
75	100		
77	200.5	0.0	407.2





#73

Bromobenzene

Concen: 17.606 ug/l

RT: 12.976 min Scan# 18

Delta R.T. 0.000 min

Lab File: VN085399.D

Acq: 07 Jan 2025 15:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

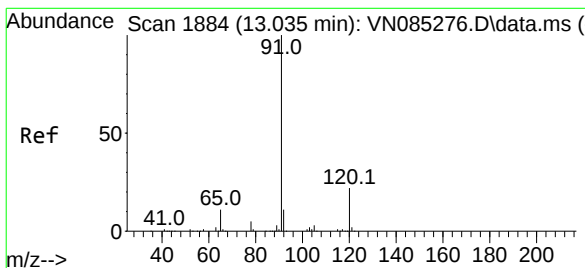
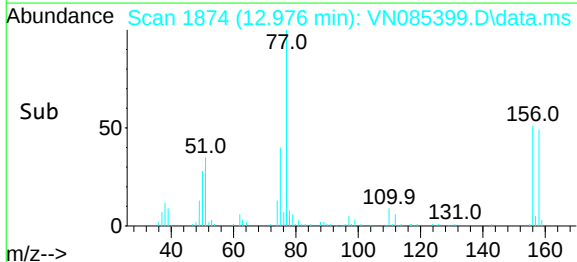
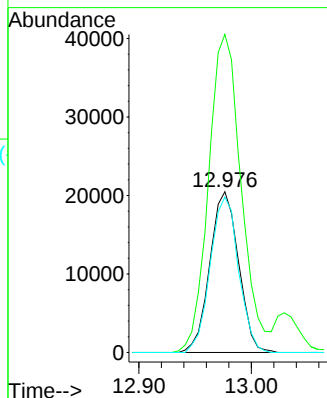
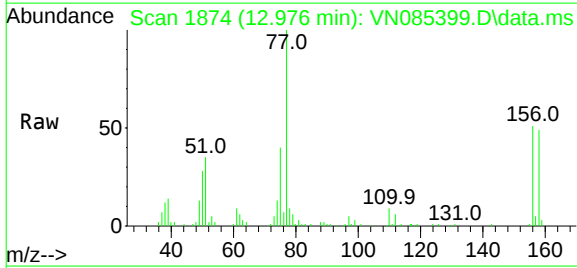
Tgt Ion:	156	Resp:	36385
Ion Ratio	Lower	Upper	
156	100		
77	224.7	0.0	462.6
158	95.2	0.0	186.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/08/2025

Supervised By :Mahesh Dadoda 01/08/2025



#74

n-propylbenzene

Concen: 17.729 ug/l

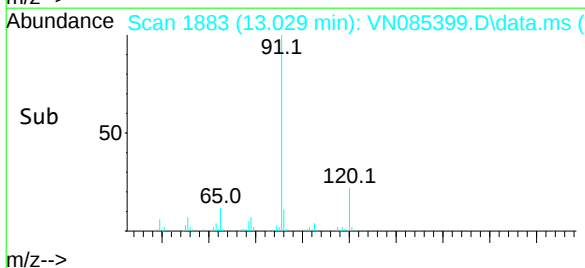
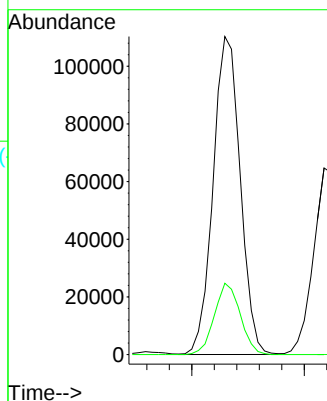
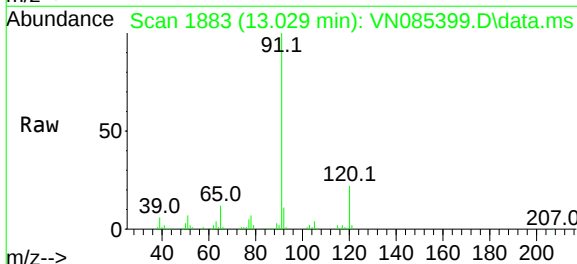
RT: 13.029 min Scan# 1883

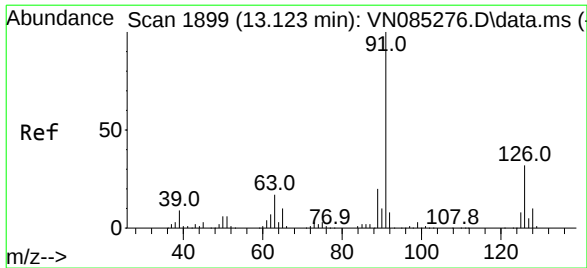
Delta R.T. -0.006 min

Lab File: VN085399.D

Acq: 07 Jan 2025 15:58

Tgt Ion:	91	Resp:	184766
Ion Ratio	Lower	Upper	
91	100		
120	21.4	0.0	41.4





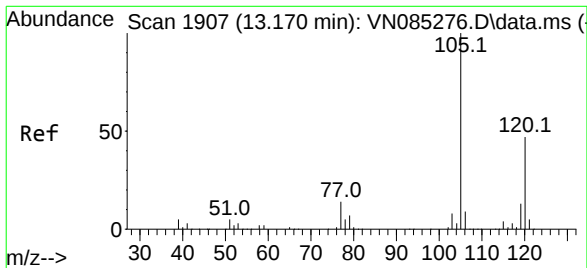
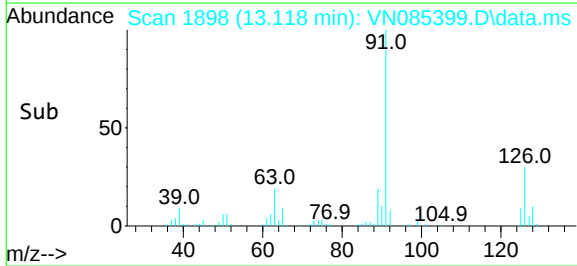
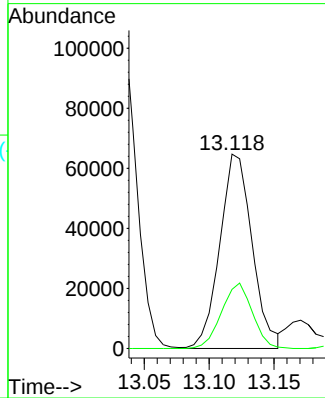
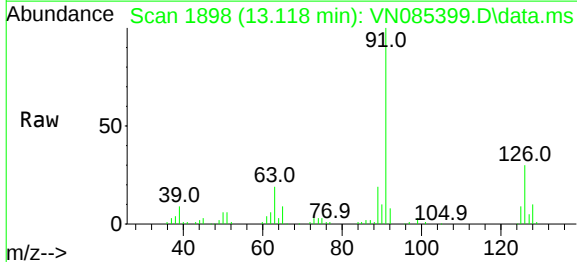
#75
2-Chlorotoluene
Concen: 17.928 ug/l
RT: 13.118 min Scan# 1899
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 112556
Ion Ratio Lower Upper
91 100
126 31.9 0.0 65.0

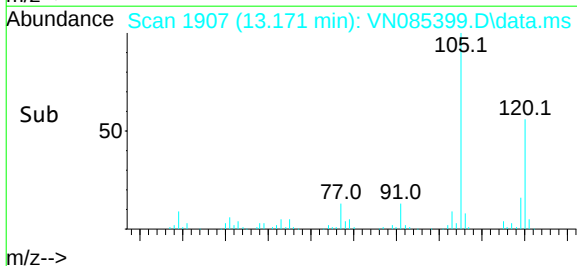
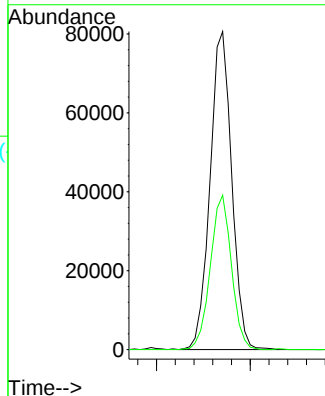
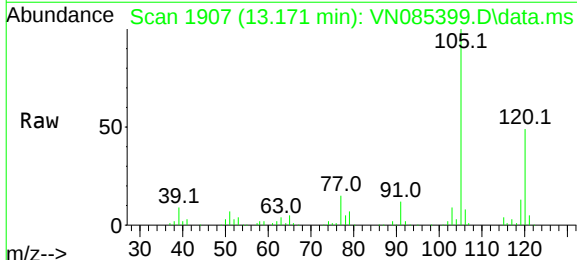
Manual Integrations
APPROVED

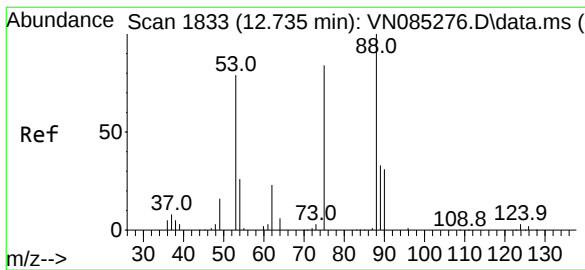
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025



#76
1,3,5-Trimethylbenzene
Concen: 18.130 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

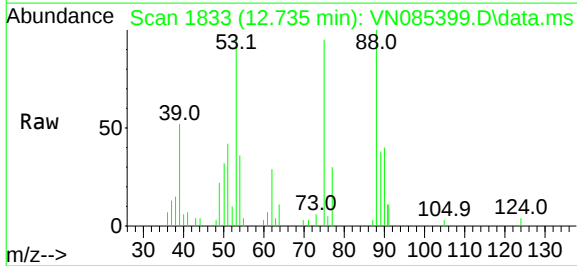
Tgt Ion:105 Resp: 129412
Ion Ratio Lower Upper
105 100
120 47.2 0.0 95.0





#77
t-1,4-Dichloro-2-butene
Concen: 9.849 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

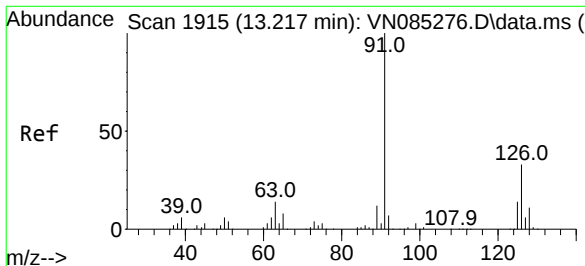
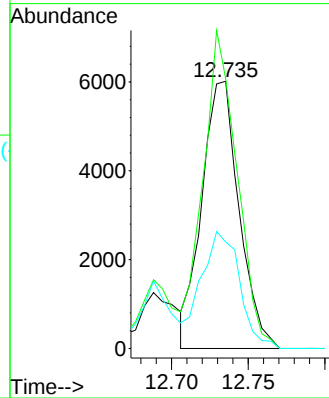
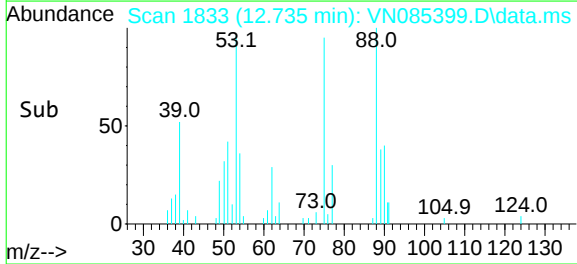
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 10164
Ion Ratio Lower Upper
75 100
53 101.0 54.9 164.5
89 39.8 22.8 68.3

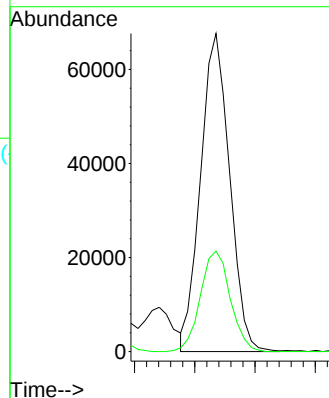
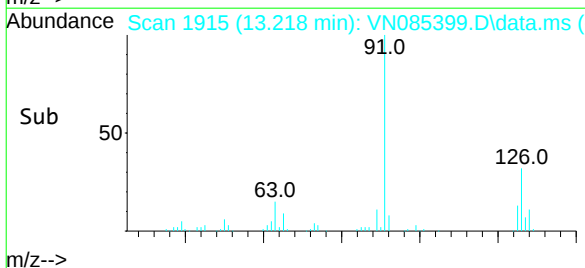
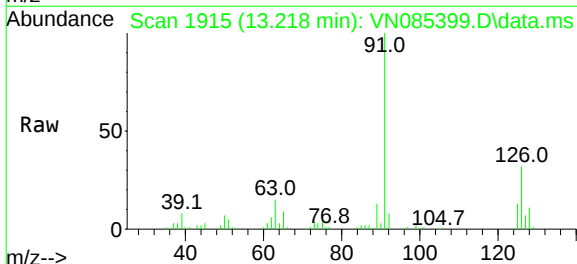
Manual Integrations
APPROVED

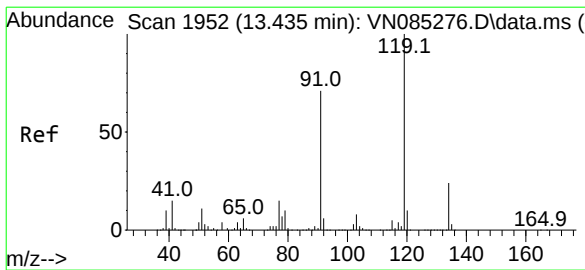
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025



#78
4-Chlorotoluene
Concen: 17.730 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Tgt Ion: 91 Resp: 113175
Ion Ratio Lower Upper
91 100
126 32.5 0.0 63.6





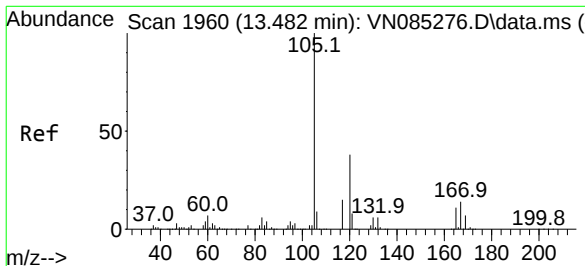
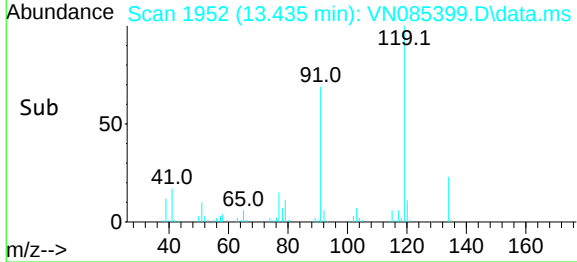
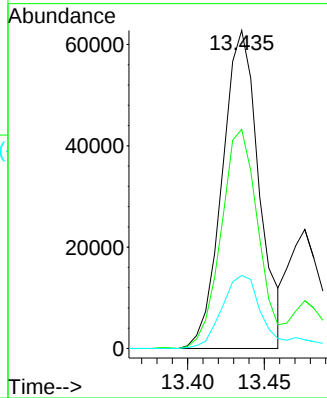
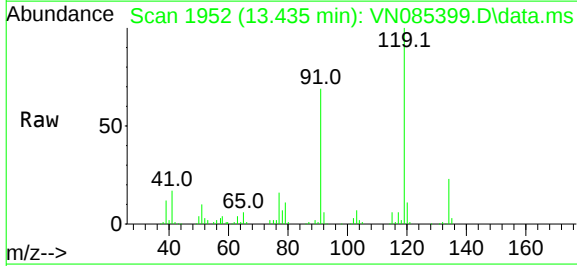
tert-butylbenzene
 Concen: 17.949 ug/l
 RT: 13.435 min Scan# 1952
 Delta R.T. 0.000 min
 Lab File: VN085399.D
 Acq: 07 Jan 2025 15:58

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC020EC

Tgt Ion:119 Resp: 104773
 Ion Ratio Lower Upper
 119 100
 91 68.8 0.0 142.0
 134 24.2 0.0 49.0

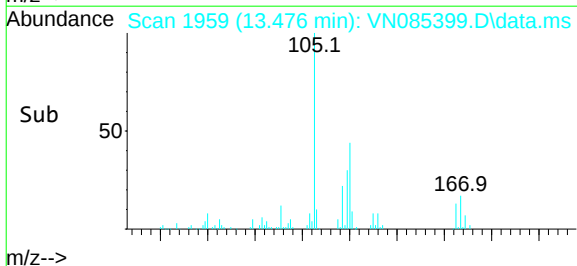
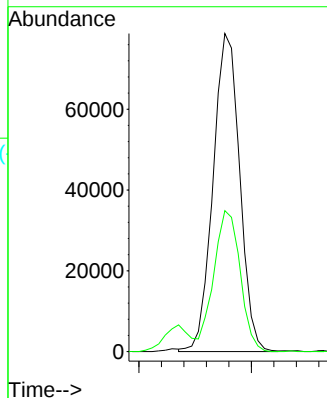
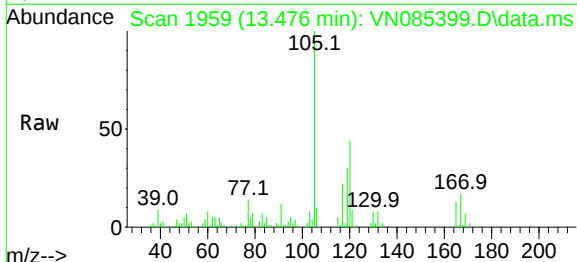
Manual Integrations
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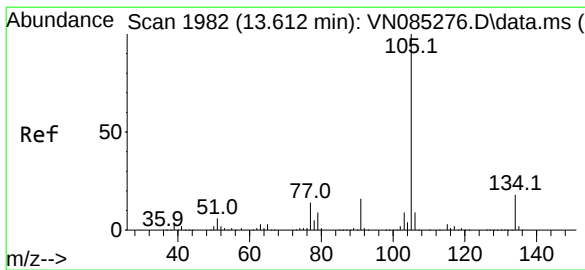
Reviewed By :John Carlone 01/08/2025
 Supervised By :Mahesh Dadoda 01/08/2025



1,2,4-Trimethylbenzene
 Concen: 18.248 ug/l
 RT: 13.476 min Scan# 1959
 Delta R.T. -0.006 min
 Lab File: VN085399.D
 Acq: 07 Jan 2025 15:58

Tgt Ion:105 Resp: 129649
 Ion Ratio Lower Upper
 105 100
 120 43.7 0.0 89.8





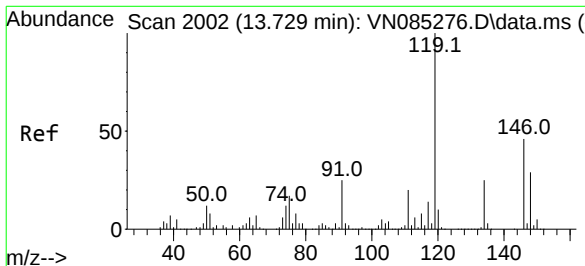
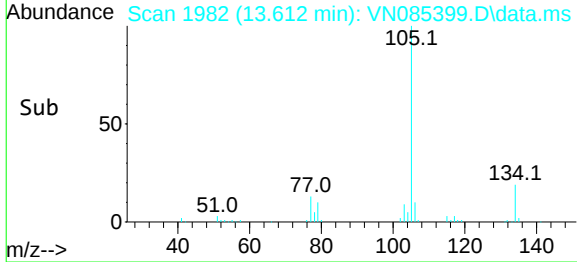
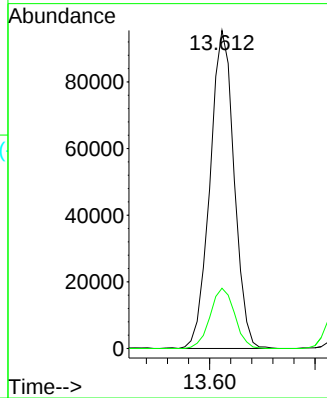
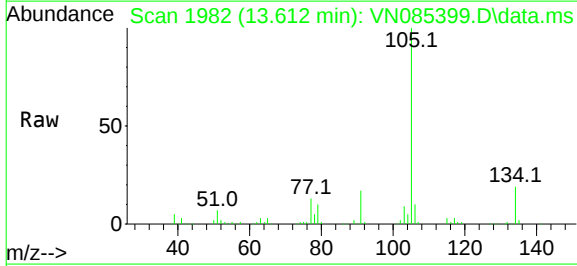
#81
sec-Butylbenzene
Concen: 18.016 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:105 Resp: 151832
Ion Ratio Lower Upper
105 100
134 19.2 0.0 39.8

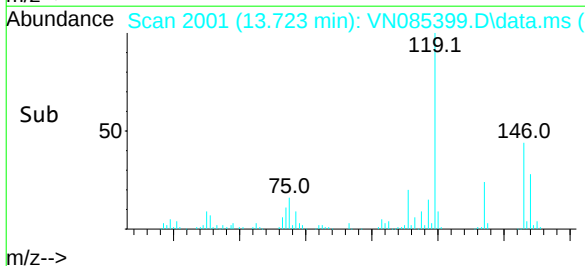
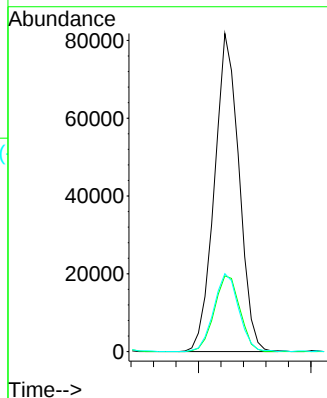
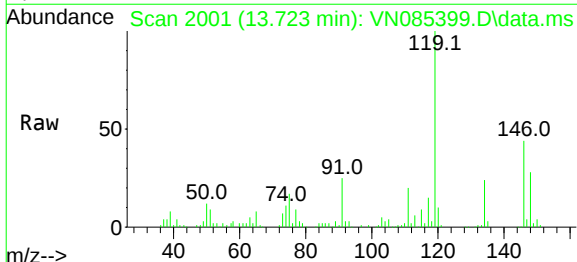
Manual Integrations
APPROVED

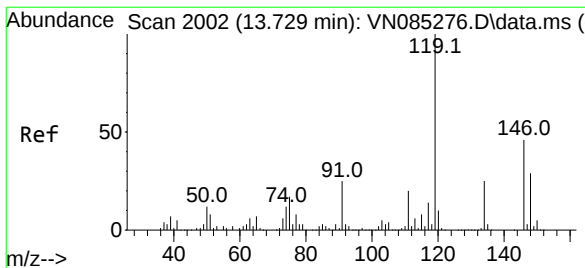
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025



#82
p-Isopropyltoluene
Concen: 17.901 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Tgt Ion:119 Resp: 124247
Ion Ratio Lower Upper
119 100
134 24.7 0.0 51.4
91 25.0 0.0 51.4





#83

1,3-Dichlorobenzene

Concen: 17.807 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN085399.D

Acq: 07 Jan 2025 15:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

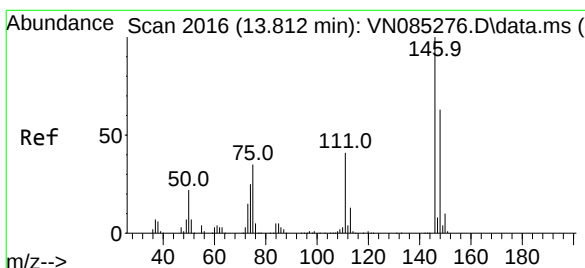
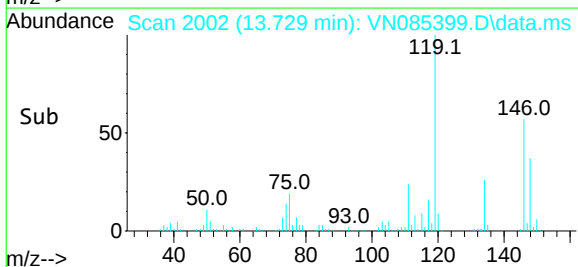
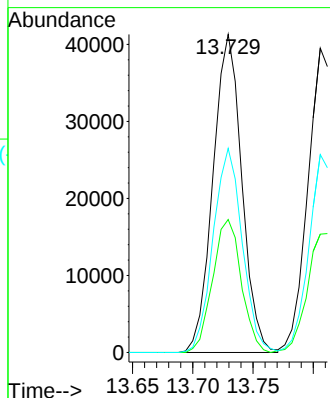
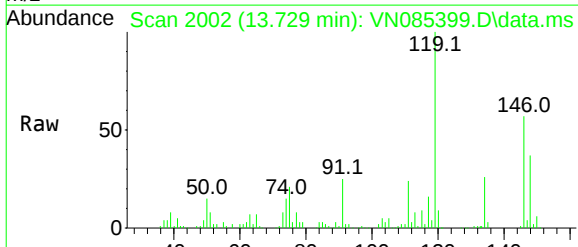
Tgt Ion:	146	Resp:	68632
Ion Ratio	Lower	Upper	
146	100		
111	41.6	20.4	61.3
148	64.9	31.1	93.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/08/2025

Supervised By :Mahesh Dadoda 01/08/2025



#84

1,4-Dichlorobenzene

Concen: 17.923 ug/l

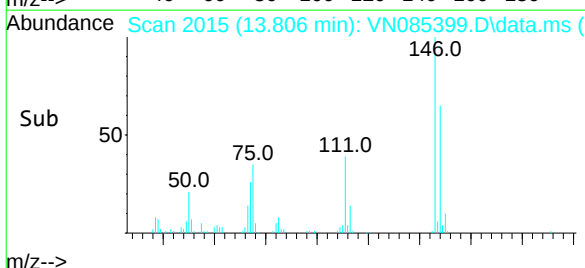
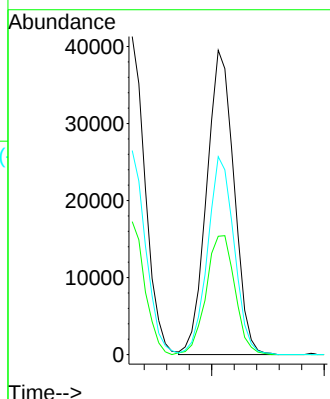
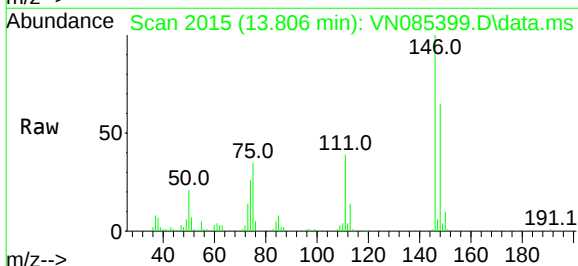
RT: 13.806 min Scan# 2015

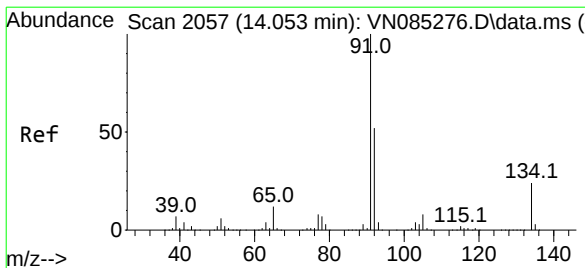
Delta R.T. -0.006 min

Lab File: VN085399.D

Acq: 07 Jan 2025 15:58

Tgt Ion:	146	Resp:	66832
Ion Ratio	Lower	Upper	
146	100		
111	41.1	20.7	62.1
148	63.1	33.2	99.6





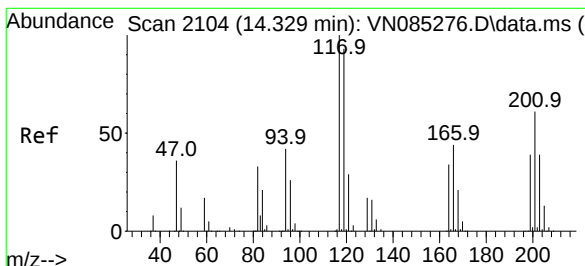
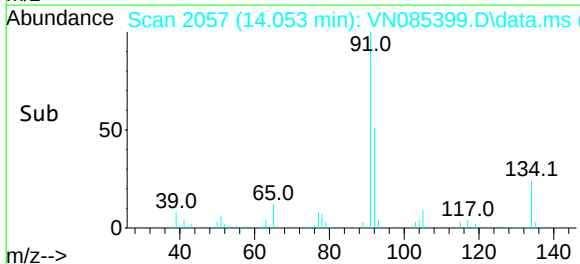
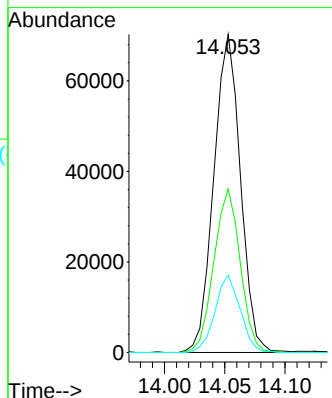
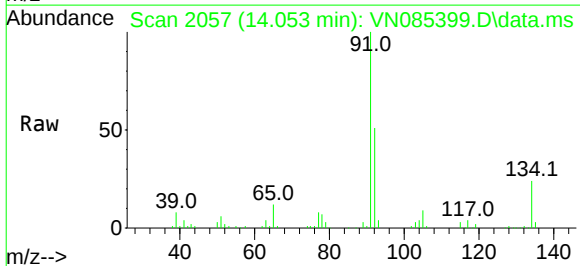
#85
n-Butylbenzene
Concen: 18.031 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 108044
Ion Ratio Lower Upper
91 100
92 50.8 0.0 102.0
134 23.0 0.0 46.4

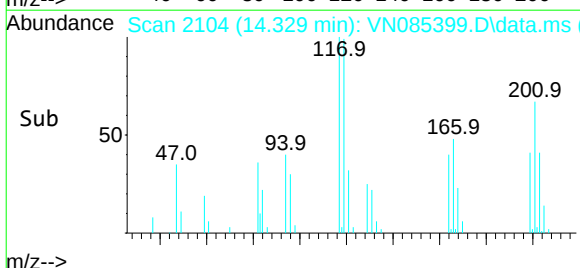
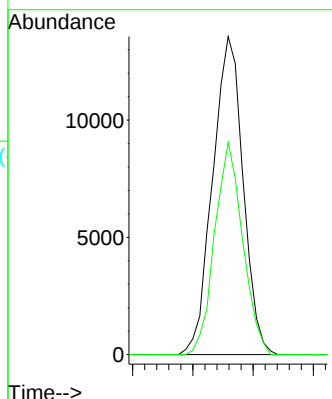
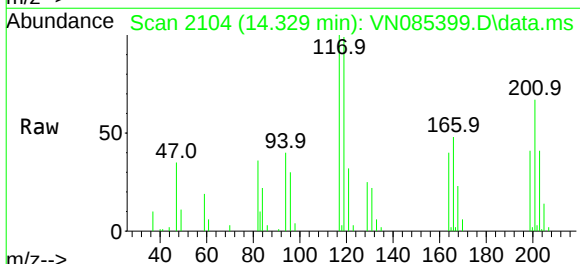
Manual Integrations
APPROVED

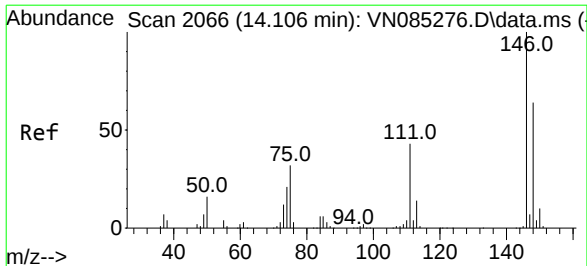
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025



#86
Hexachloroethane
Concen: 15.966 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085399.D
Acq: 07 Jan 2025 15:58

Tgt Ion:117 Resp: 23790
Ion Ratio Lower Upper
117 100
201 61.4 31.8 95.3





#87

1,2-Dichlorobenzene

Concen: 17.864 ug/l

RT: 14.100 min Scan# 2066

Delta R.T. -0.006 min

Lab File: VN085399.D

Acq: 07 Jan 2025 15:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

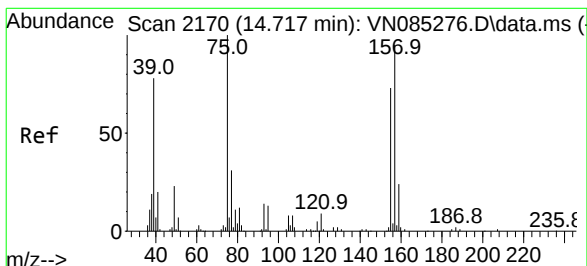
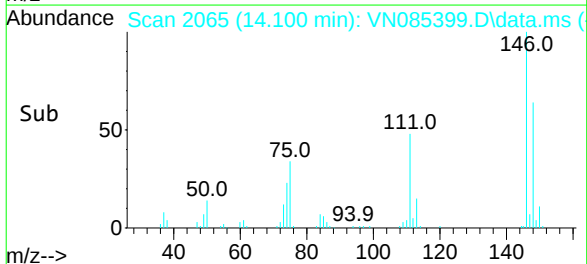
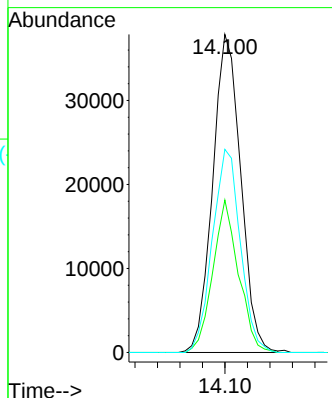
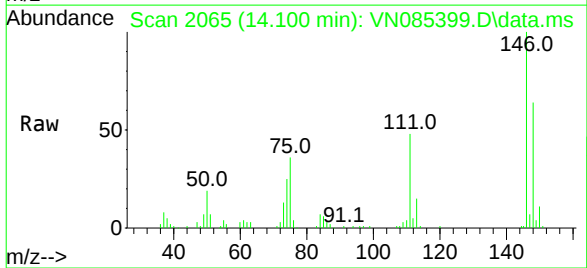
Tgt Ion:	146	Resp:	65411
Ion Ratio	Lower	Upper	
146	100		
111	44.0	22.1	66.3
148	63.7	32.5	97.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/08/2025

Supervised By :Mahesh Dadoda 01/08/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 14.466 ug/l

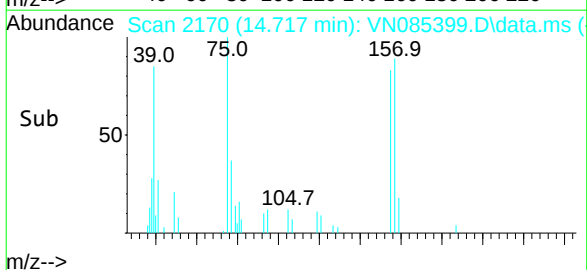
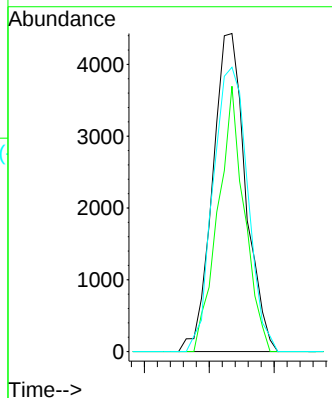
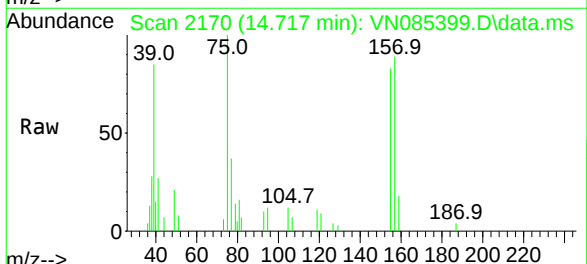
RT: 14.717 min Scan# 2170

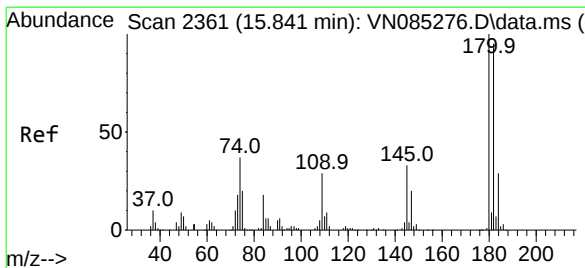
Delta R.T. 0.000 min

Lab File: VN085399.D

Acq: 07 Jan 2025 15:58

Tgt Ion:	75	Resp:	7835
Ion Ratio	Lower	Upper	
75	100		
155	66.7	53.4	80.0
157	93.9	74.2	111.4





#89

1,2,4-Trichlorobenzene

Concen: 17.232 ug/l

RT: 15.835 min Scan# 23

Delta R.T. 0.000 min

Lab File: VN085399.D

Acq: 07 Jan 2025 15:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

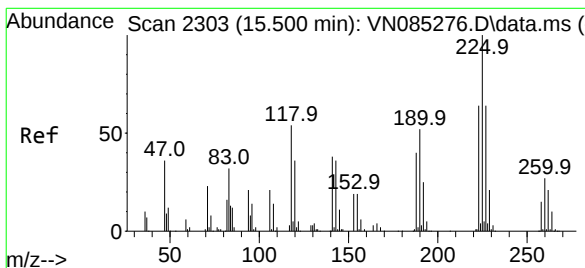
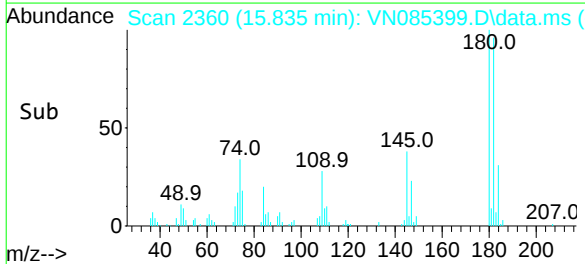
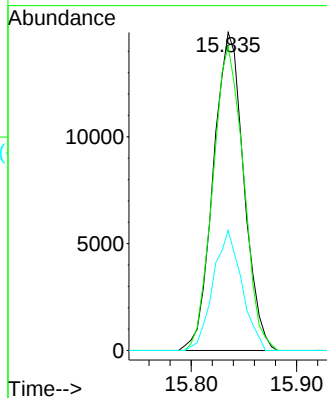
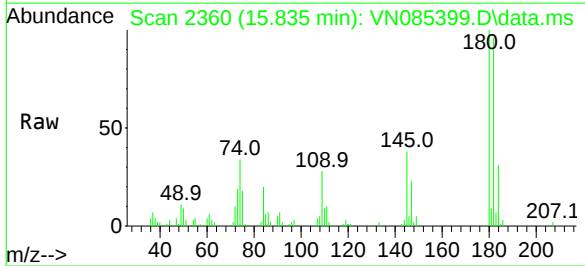
Tgt Ion:	180	Resp:	29893
Ion Ratio	Lower	Upper	
180	100		
182	96.2	76.5	114.7
145	35.5	27.4	41.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/08/2025

Supervised By :Mahesh Dadoda 01/08/2025



#90

Hexachlorobutadiene

Concen: 17.341 ug/l

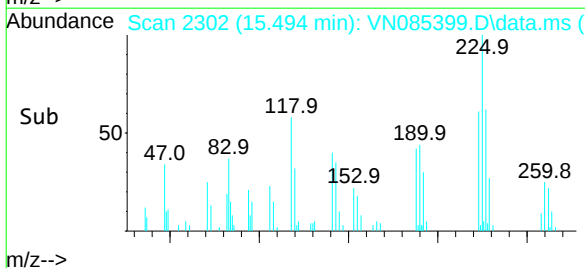
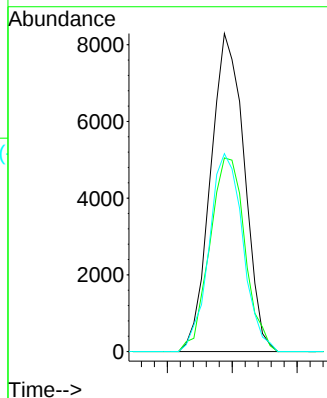
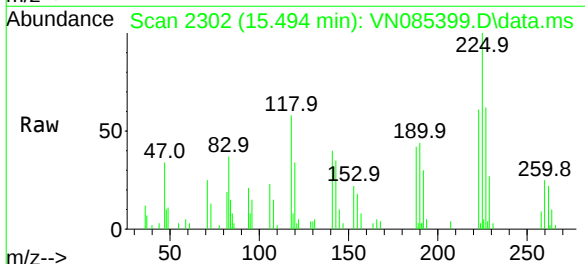
RT: 15.494 min Scan# 2302

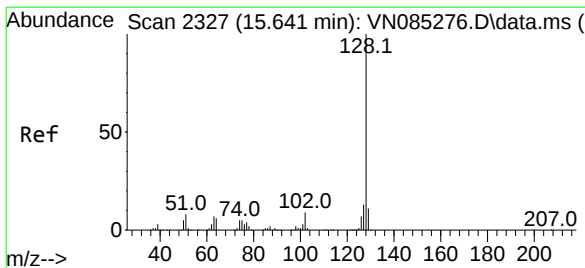
Delta R.T. -0.006 min

Lab File: VN085399.D

Acq: 07 Jan 2025 15:58

Tgt Ion:	225	Resp:	14995
Ion Ratio	Lower	Upper	
225	100		
223	63.6	0.0	116.2
227	62.5	0.0	116.4





#91

Naphthalene

Concen: 15.187 ug/l

RT: 15.635 min Scan# 23

Delta R.T. -0.006 min

Lab File: VN085399.D

Acq: 07 Jan 2025 15:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

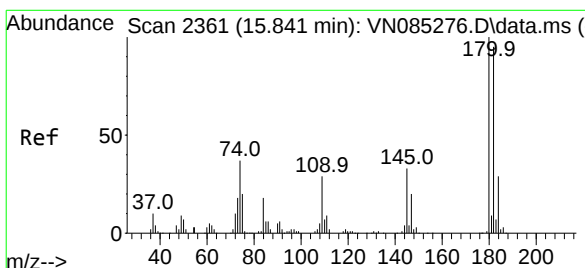
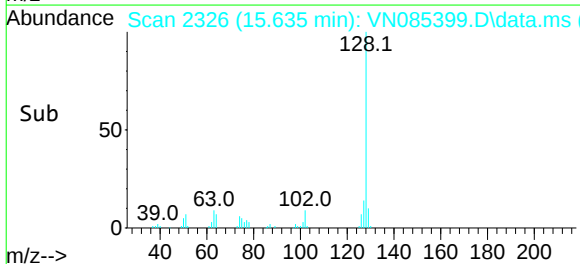
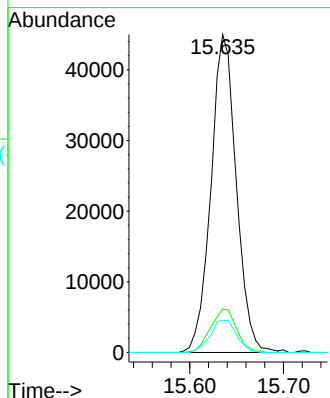
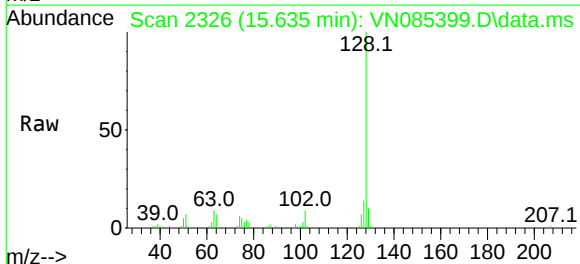
Tgt Ion:	128	Resp:	84650
Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.6	16.0
129	10.6	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/08/2025

Supervised By :Mahesh Dadoda 01/08/2025



#92

1,2,3-Trichlorobenzene

Concen: 17.232 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN085399.D

Acq: 07 Jan 2025 15:58

Tgt Ion:	180	Resp:	29893
Ion	Ratio	Lower	Upper
180	100		
182	96.2	0.0	191.2
145	35.5	0.0	68.6

