

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041125\
 Data File : VN086243.D
 Acq On : 11 Apr 2025 11:28
 Operator : JC\MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC050

Quant Time: Apr 12 00:18:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 12 00:09:06 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/14/2025
 Supervised By : Mahesh Dadoda 04/14/2025

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

Internal Standards						
1) Bromochloromethane	7.812	128	14047	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	84939	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	74906	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	41220	30.085	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.300%			
60) 4-Bromofluorobenzene	12.847	95	43610	29.242	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.467%			
63) Toluene-d8	10.565	98	126824	29.990	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.967%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	58744	52.194	ug/l	96
3) Chloromethane	2.359	50	78367	50.379	ug/l	100
4) Vinyl Chloride	2.518	62	76593	51.694	ug/l	99
5) Bromomethane	2.965	94	36808	49.803	ug/l	98
6) Chloroethane	3.124	64	47628	50.904	ug/l	93
7) Trichlorofluoromethane	3.501	101	80789	50.264	ug/l	98
8) Diethyl Ether	3.959	74	37038	49.969	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	49606	50.050	ug/l	99
10) 1,1-Dichloroethene	4.342	96	53777	50.276	ug/l	96
11) Methyl Iodide	4.595	142	62574	50.898	ug/l	98
12) Methyl Acetate	5.024	43	73437	48.619	ug/l	96
13) Acrolein	4.177	56	32156	187.286	ug/l	100
14) Acrylonitrile	5.718	53	158488	248.545	ug/l	99
15) Acetone	4.430	58	41109	254.046	ug/l	90
16) Carbon Disulfide	4.712	76	158178	51.572	ug/l	96
17) Allyl chloride	5.024	41	94454	50.665	ug/l	98
18) Methylene Chloride	5.271	84	62060	50.889	ug/l	95
19) trans-1,2-Dichloroethene	5.783	96	55815	57.849	ug/l	98
20) Diisopropyl ether	6.665	45	202367	50.486	ug/l	97
21) 1,1-Dichloroethane	6.565	63	109754	51.327	ug/l	99
22) cis-1,2-Dichloroethene	7.489	96	67681	50.428	ug/l	99
23) tert-Butyl Alcohol	5.506	59	68079	257.664	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	191760	49.761	ug/l	98
25) Chloroform	7.965	83	102647	50.340	ug/l	98
26) Cyclohexane	8.253	56	102734	51.353	ug/l #	99
29) 1,1-Dichloropropene	8.365	75	75270	49.468	ug/l	99
30) 2-Butanone	7.477	43	214604	254.531	ug/l	100
31) 2,2-Dichloropropane	7.489	77	94426	50.415	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	86106	49.195	ug/l	99
33) Carbon Tetrachloride	8.359	117	69609	49.764	ug/l	97
34) Benzene	8.606	78	246552	50.932	ug/l	97
35) Methacrylonitrile	7.777	41	48042	50.544	ug/l	98
36) 1,2-Dichloroethane	8.671	62	76358	50.407	ug/l	99
37) Trichloroethene	9.347	130	57181	48.957	ug/l	92
38) Methylcyclohexane	9.594	83	96635	51.784	ug/l	99
39) 1,2-Dichloropropane	9.618	63	61419	50.990	ug/l	98
40) Dibromomethane	9.706	93	38700	49.745	ug/l	99
41) Bromodichloromethane	9.883	83	83523	49.974	ug/l	99
42) Vinyl Acetate	6.600	43	746448	260.085	ug/l	100

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Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/14/2025
 Supervised By : Mahesh Dadoda 04/14/2025

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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	81568	47.963	ug/l	96
44) Isopropyl Acetate	8.683	43	155025	49.138	ug/l	99
45) 1,4-Dioxane	9.694	88	25412	1012.940	ug/l #	94
46) Methyl methacrylate	9.677	41	68461	49.249	ug/l	98
47) n-amyl Acetate	12.488	43	122298	47.976	ug/l	99
48) t-1,3-Dichloropropene	10.829	75	95012	50.286	ug/l	99
49) cis-1,3-Dichloropropene	10.306	75	102425	51.219	ug/l	96
50) 1,1,2-Trichloroethane	11.012	97	55379	50.753	ug/l	98
51) Ethyl methacrylate	10.871	69	101408	50.011	ug/l	97
52) 1,3-Dichloropropane	11.159	76	98162	50.474	ug/l	99
53) Dibromochloromethane	11.359	129	59642	49.971	ug/l	99
54) 1,2-Dibromoethane	11.465	107	54759	49.715	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	83816	109.390	ug/l	99
56) Bromoform	12.576	173	39512	50.601	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	437121	257.153	ug/l	100
59) 2-Hexanone	11.194	43	327089	258.414	ug/l	100
61) Tetrachloroethene	11.100	164	56938	51.473	ug/l	97
62) Toluene	10.630	91	256618	51.077	ug/l	99
64) Chlorobenzene	11.888	112	155427	50.635	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	50972	50.317	ug/l	99
66) Ethyl Benzene	11.959	91	283578	50.895	ug/l	98
67) m/p-Xylenes	12.065	106	212152	102.399	ug/l	99
68) o-Xylene	12.394	106	102469	50.283	ug/l	98
69) Styrene	12.406	104	175686	51.119	ug/l	98
70) Isopropylbenzene	12.694	105	262686	52.280	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	73996	51.739	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	63875m	31.547	ug/l	
73) Bromobenzene	12.976	156	56423	50.690	ug/l	98
74) n-propylbenzene	13.029	91	310970	52.259	ug/l	100
75) 2-Chlorotoluene	13.123	91	191451	51.337	ug/l	100
76) 1,3,5-Trimethylbenzene	13.171	105	217288	52.644	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	34176	49.787	ug/l	93
78) 4-Chlorotoluene	13.218	91	189125	50.779	ug/l	99
79) tert-butylbenzene	13.435	119	185070	51.819	ug/l	99
80) 1,2,4-Trimethylbenzene	13.476	105	217265	51.911	ug/l	99
81) sec-Butylbenzene	13.612	105	263093	52.809	ug/l	99
82) p-Isopropyltoluene	13.723	119	216916	52.193	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	106054	51.262	ug/l	98
84) 1,4-Dichlorobenzene	13.806	146	103216	49.731	ug/l	99
85) n-Butylbenzene	14.053	91	194031	51.752	ug/l	99
86) Hexachloroethane	14.329	117	36584	52.184	ug/l	98
87) 1,2-Dichlorobenzene	14.100	146	103230	50.535	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	15834	48.608	ug/l	99
89) 1,2,4-Trichlorobenzene	15.835	180	51050	51.363	ug/l	98
90) Hexachlorobutadiene	15.494	225	20092	46.819	ug/l	96
91) Naphthalene	15.635	128	193770	49.447	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	51050	51.363	ug/l	98

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

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 ALS Vial : 3 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Manual Integrations

APPROVED

Reviewed By : John Carlone 04/14/2025

Supervised By : Mahesh Dadoda 04/14/2025

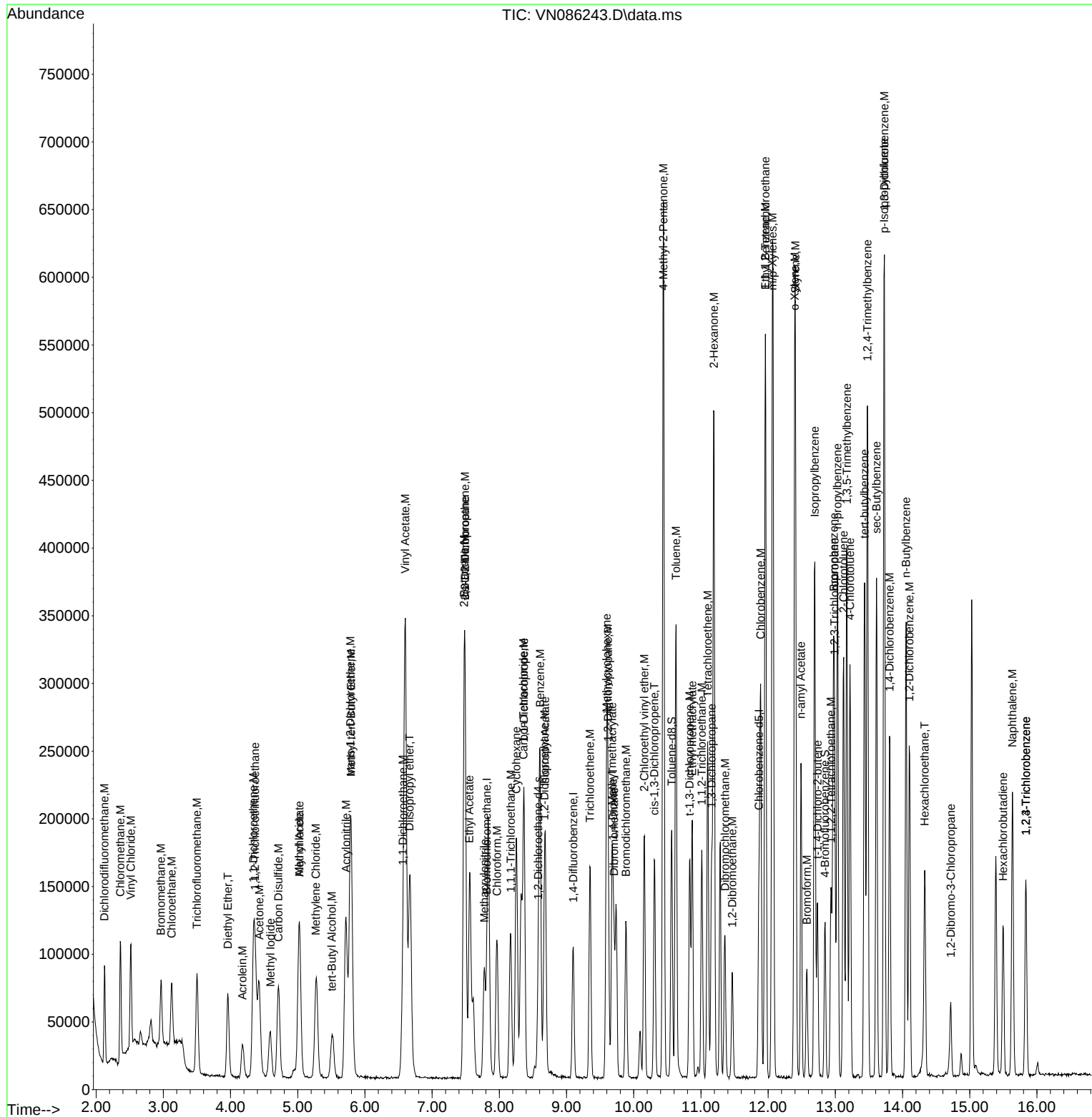
Quant Time: Apr 12 00:18:45 2025

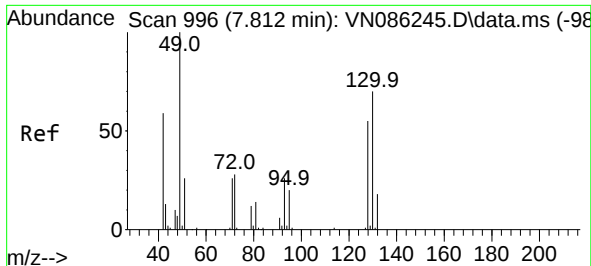
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041125W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Sat Apr 12 00:09:06 2025

Response via : Initial Calibration





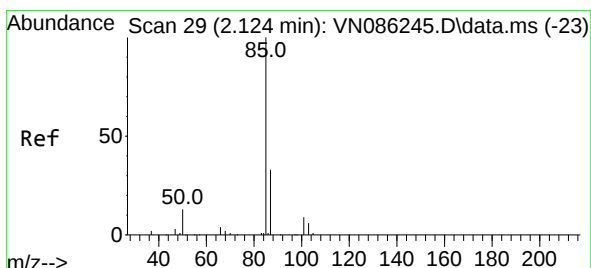
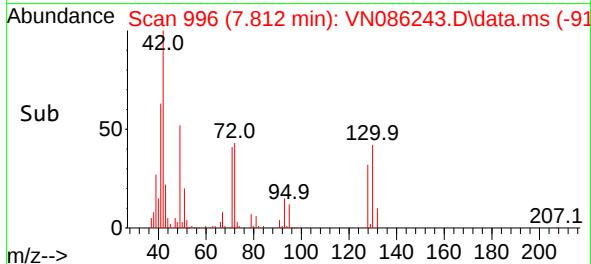
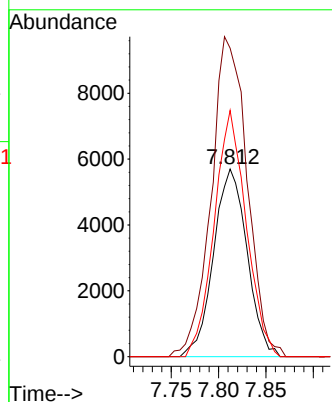
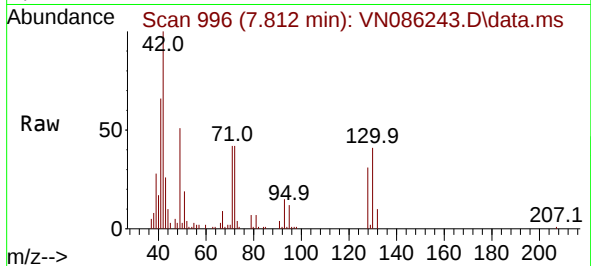
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Instrument :
MSVOA_N
Client Sample Id :
VSTDICC050

Tgt Ion: 128 Resp: 1404
Ion Ratio Lower Upper
128 100
49 182.7 0.0 452.5
130 125.4 0.0 315.0

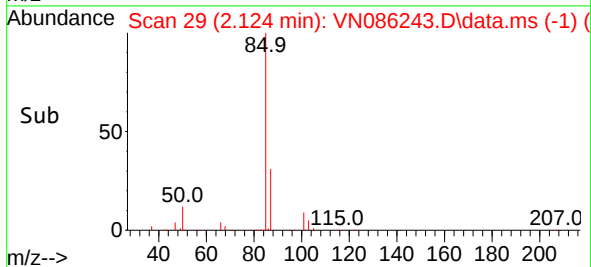
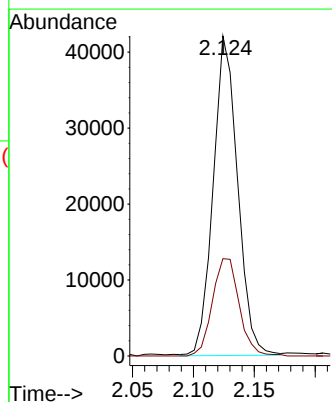
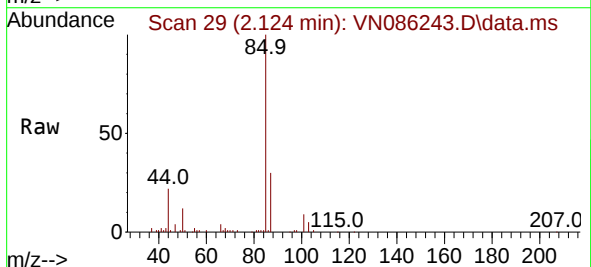
Manual Integrations
APPROVED

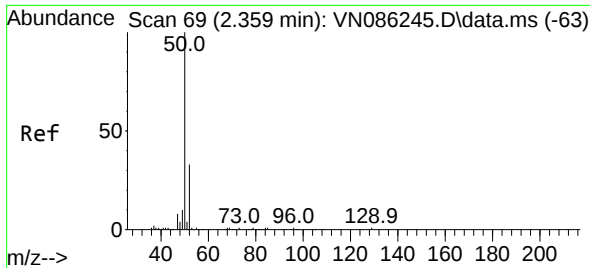
Reviewed By : John Carlone 04/14/2025
Supervised By : Mahesh Dadoda 04/14/2025



#2
Dichlorodifluoromethane
Concen: 52.194 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Tgt Ion: 85 Resp: 58744
Ion Ratio Lower Upper
85 100
87 30.6 16.3 48.9





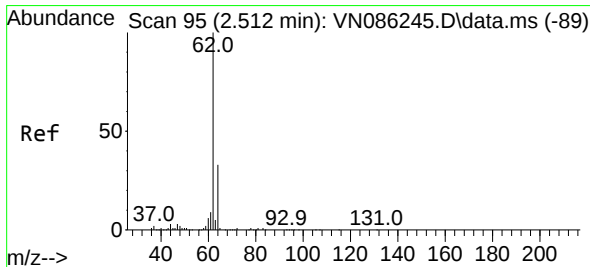
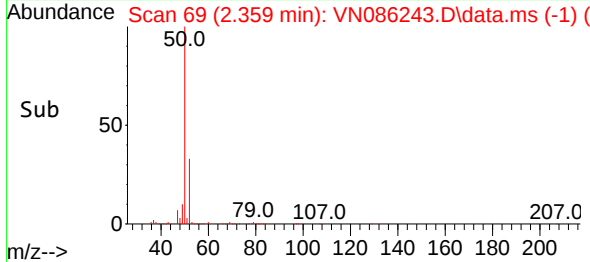
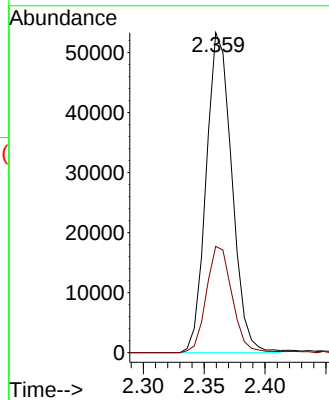
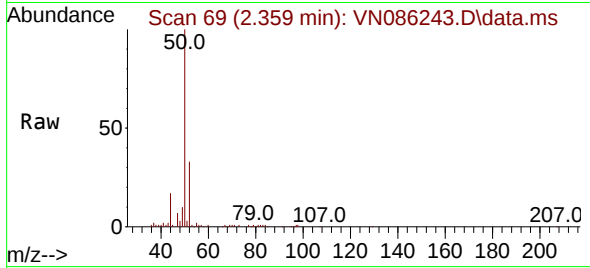
#3
Chloromethane
Concen: 50.379 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 50 Resp: 7836
Ion Ratio Lower Upper
50 100
52 33.2 26.4 39.6

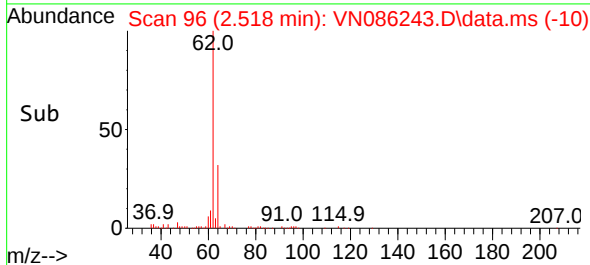
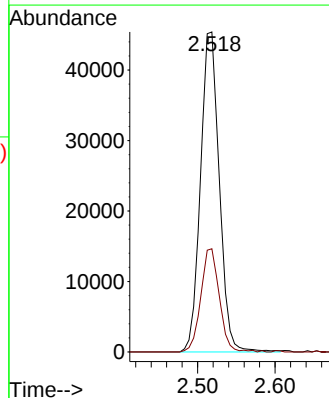
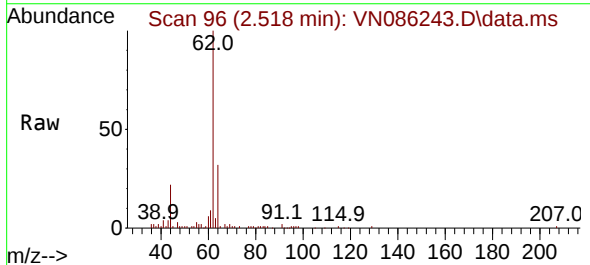
Manual Integrations
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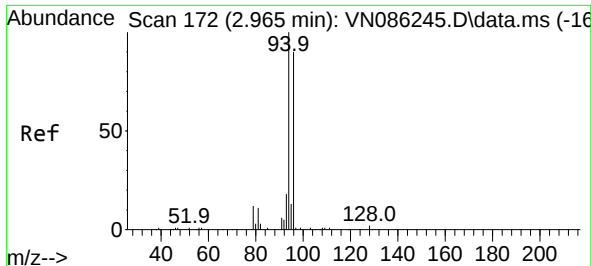
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#4
Vinyl Chloride
Concen: 51.694 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

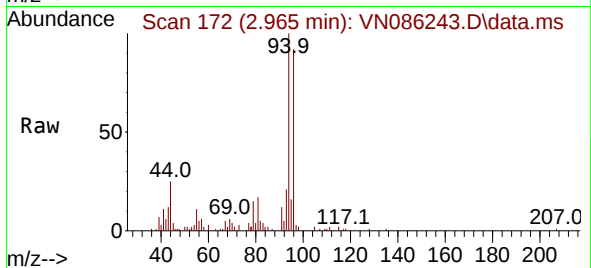
Tgt Ion: 62 Resp: 76593
Ion Ratio Lower Upper
62 100
64 32.3 26.3 39.5





#5
Bromomethane
Concen: 49.803 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

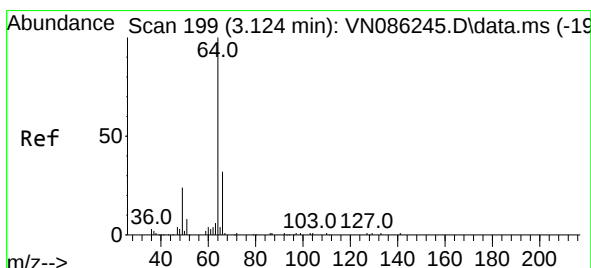
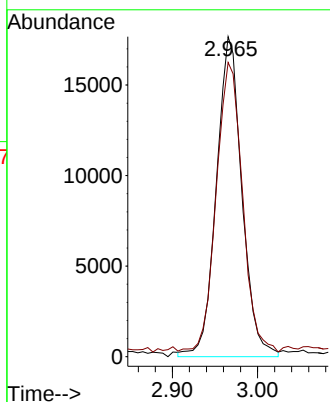
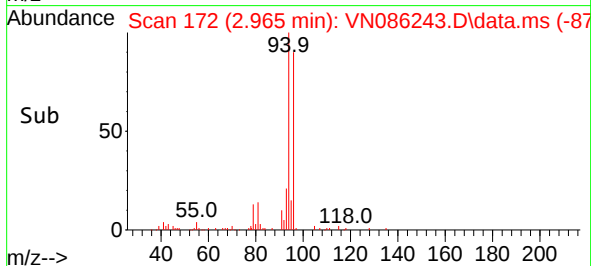
Instrument :
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Tgt Ion: 94 Resp: 3680
Ion Ratio Lower Upper
94 100
96 91.8 72.2 108.2

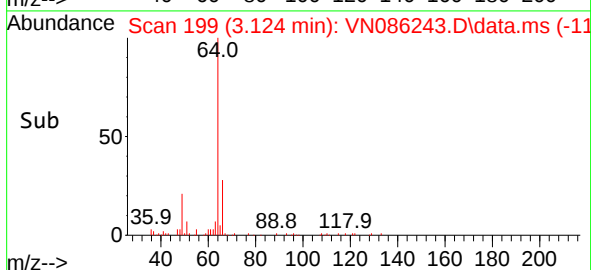
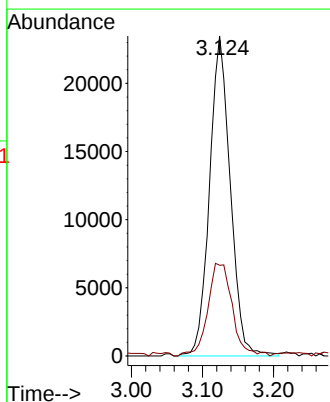
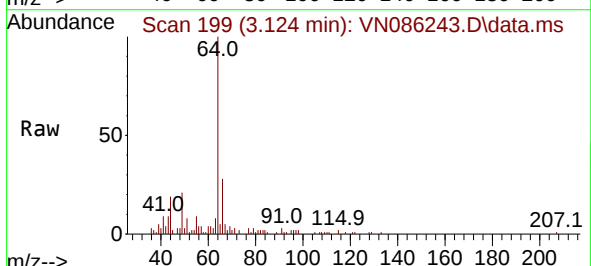
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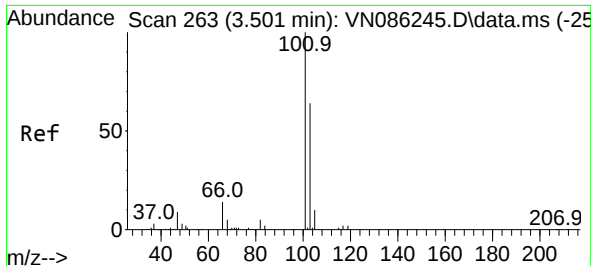
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#6
Chloroethane
Concen: 50.904 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

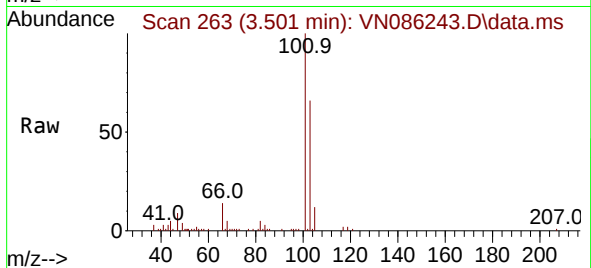
Tgt Ion: 64 Resp: 47628
Ion Ratio Lower Upper
64 100
66 28.4 25.7 38.5





#7
 Trichlorofluoromethane
 Concen: 50.264 ug/l
 RT: 3.501 min Scan# 263
 Delta R.T. 0.000 min
 Lab File: VN086243.D
 Acq: 11 Apr 2025 11:28

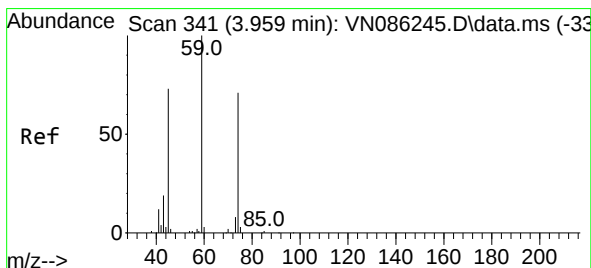
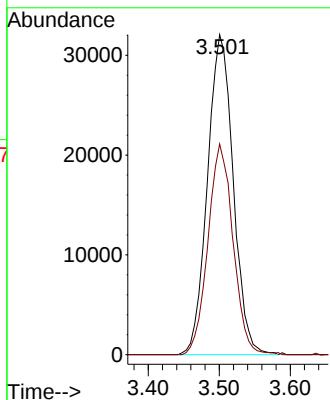
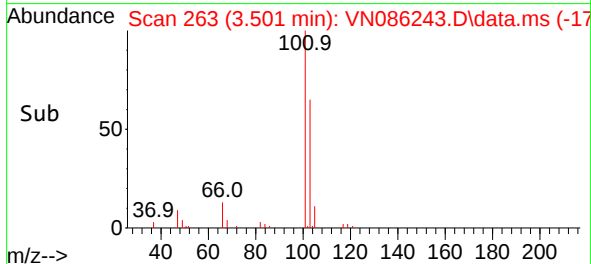
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



Tgt Ion:101 Resp: 80789
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.2 76.8

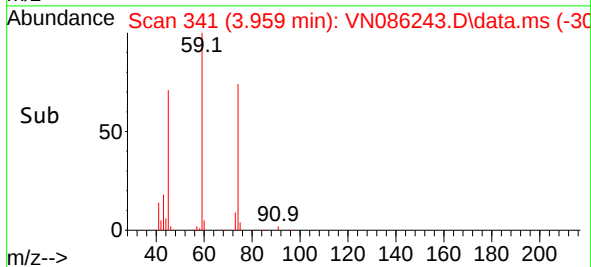
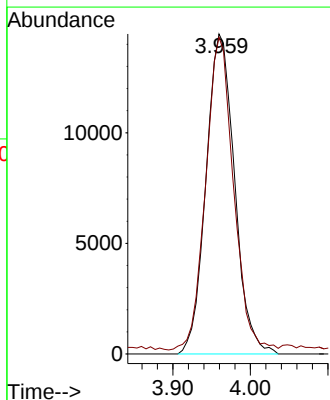
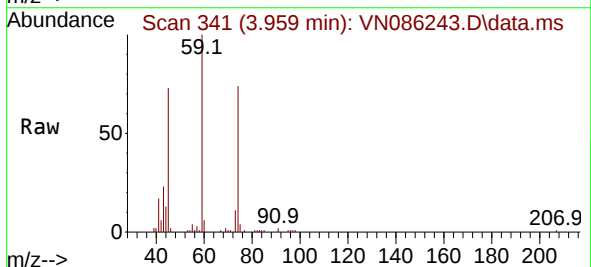
Manual Integrations
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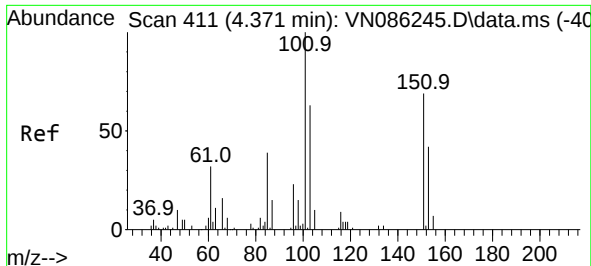
Reviewed By :John Carlone 04/14/2025
 Supervised By :Mahesh Dadoda 04/14/2025



#8
 Diethyl Ether
 Concen: 49.969 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. 0.000 min
 Lab File: VN086243.D
 Acq: 11 Apr 2025 11:28

Tgt Ion: 74 Resp: 37038
 Ion Ratio Lower Upper
 74 100
 45 94.8 19.2 173.2





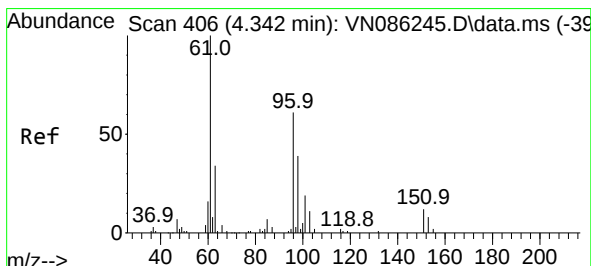
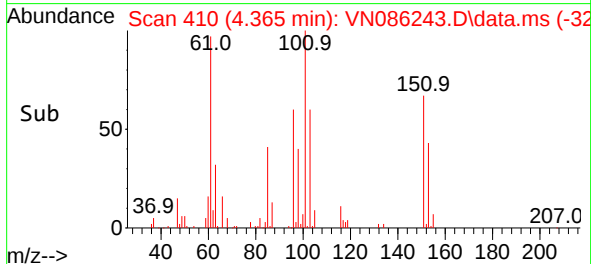
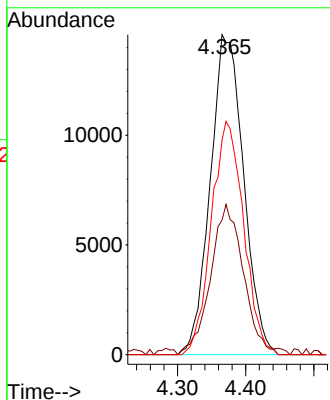
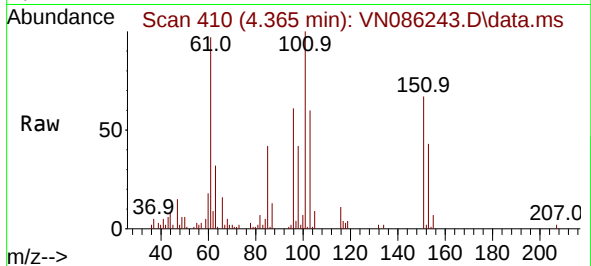
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1,1,2-Trichlorotrifluoroethane
Concen: 50.050 ug/l
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:101 Resp: 49600
Ion Ratio Lower Upper
101 100
85 45.8 0.0 93.0
151 70.7 0.0 138.6

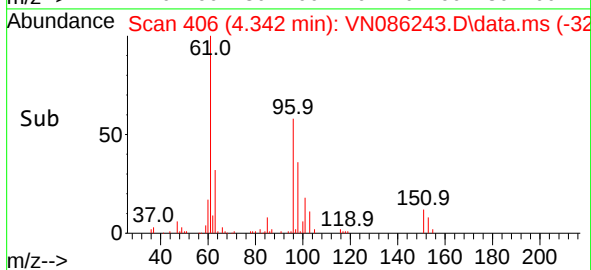
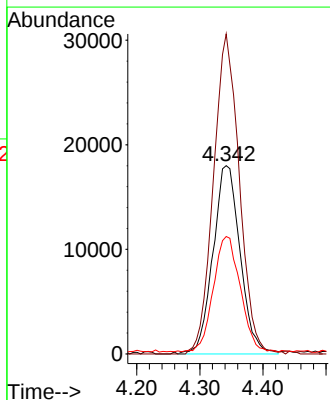
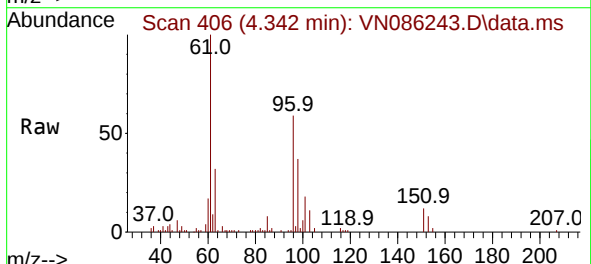
Manual Integrations
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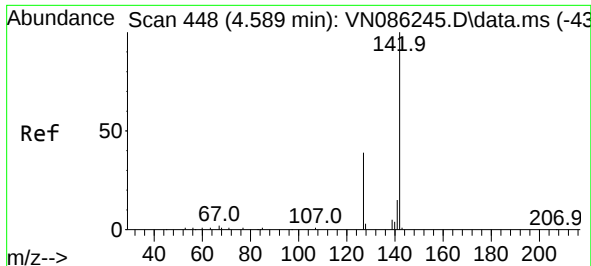
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#10
1,1-Dichloroethene
Concen: 50.276 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

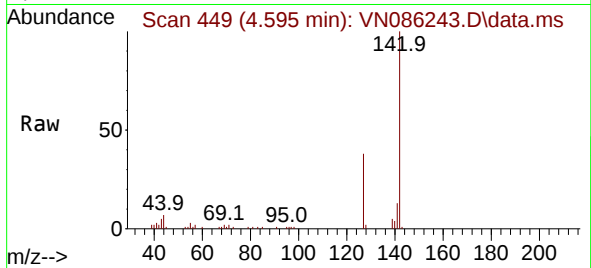
Tgt Ion: 96 Resp: 53777
Ion Ratio Lower Upper
96 100
61 169.9 131.1 196.7
98 61.3 51.6 77.4





#11
Methyl Iodide
Concen: 50.898 ug/l
RT: 4.595 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

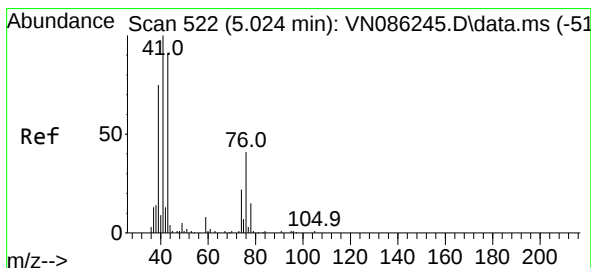
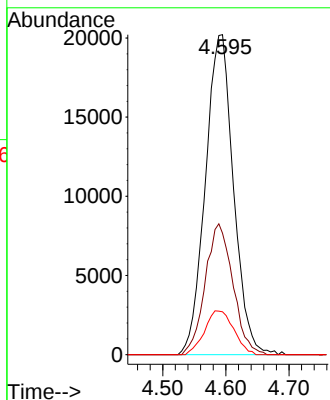
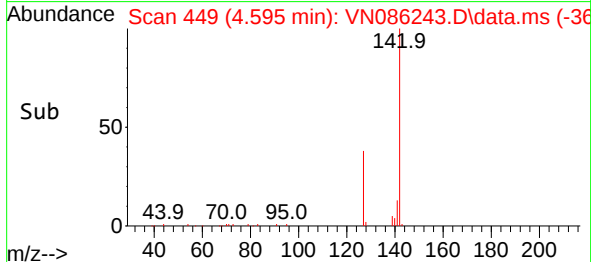
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion:142 Resp: 62574
Ion Ratio Lower Upper
142 100
127 37.9 19.6 58.8
141 13.4 7.3 21.9

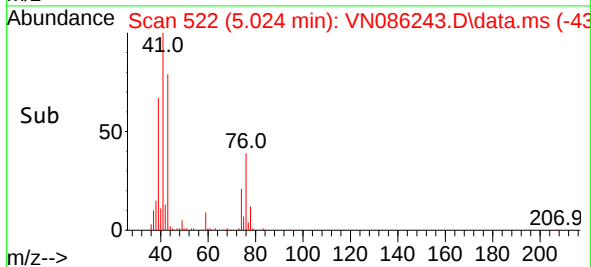
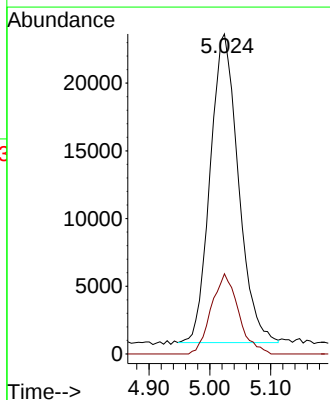
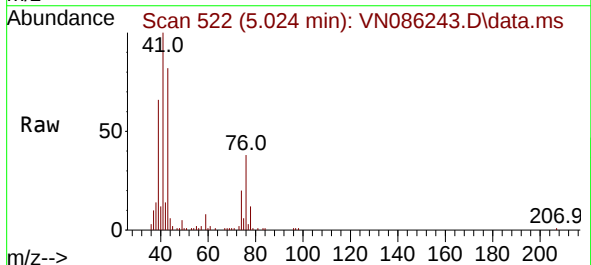
Manual Integrations
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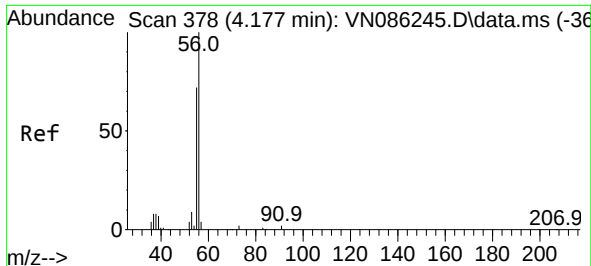
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#12
Methyl Acetate
Concen: 48.619 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Tgt Ion: 43 Resp: 73437
Ion Ratio Lower Upper
43 100
74 26.1 19.1 28.7





#13

Acrolein

Concen: 187.286 ug/l

RT: 4.177 min Scan# 378

Delta R.T. 0.000 min

Lab File: VN086243.D

Acq: 11 Apr 2025 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 56 Resp: 3215

Ion Ratio Lower Upper

56 100

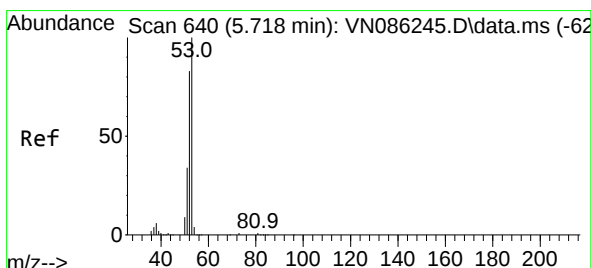
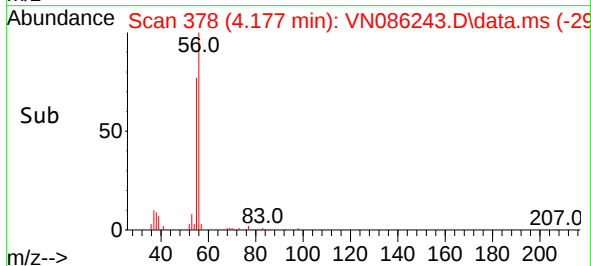
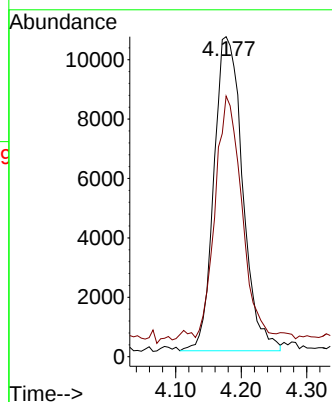
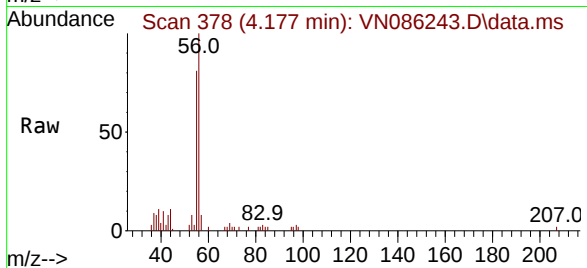
55 70.5 56.5 84.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/14/2025

Supervised By :Mahesh Dadoda 04/14/2025



#14

Acrylonitrile

Concen: 248.545 ug/l

RT: 5.718 min Scan# 640

Delta R.T. 0.000 min

Lab File: VN086243.D

Acq: 11 Apr 2025 11:28

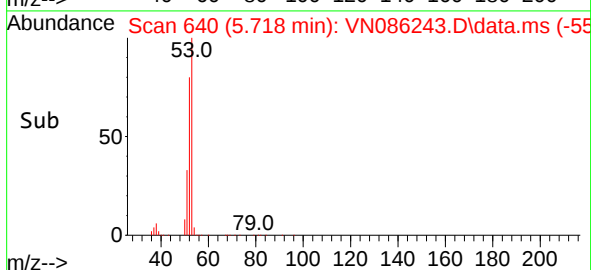
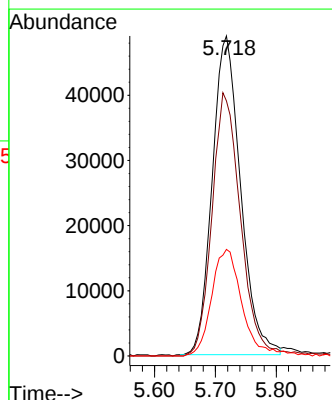
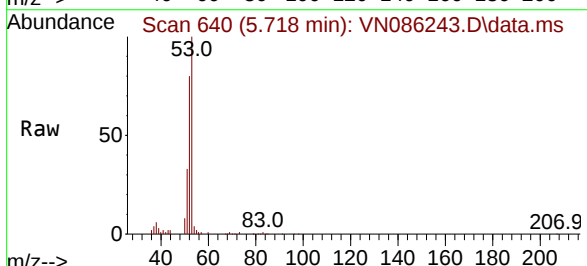
Tgt Ion: 53 Resp: 158488

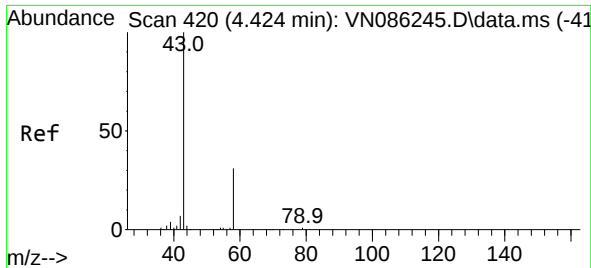
Ion Ratio Lower Upper

53 100

52 81.9 40.2 120.6

51 35.3 17.5 52.6





#15

Acetone

Concen: 254.046 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN086243.D

Acq: 11 Apr 2025 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 58 Resp: 41109

Ion Ratio Lower Upper

58 100

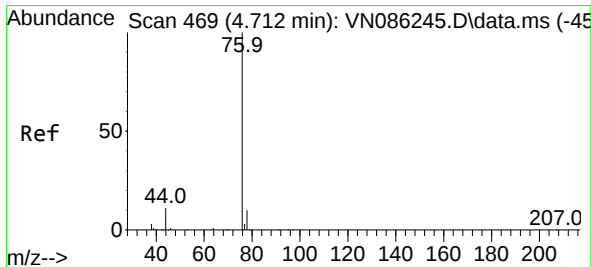
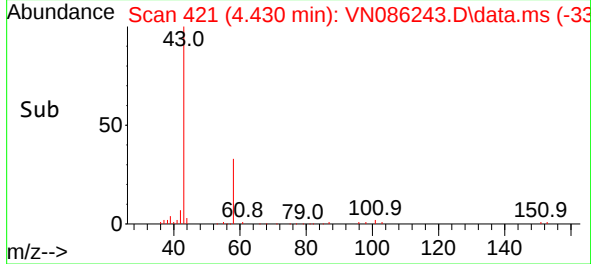
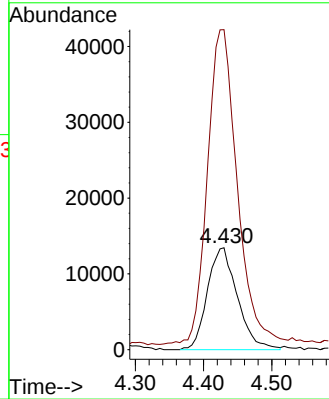
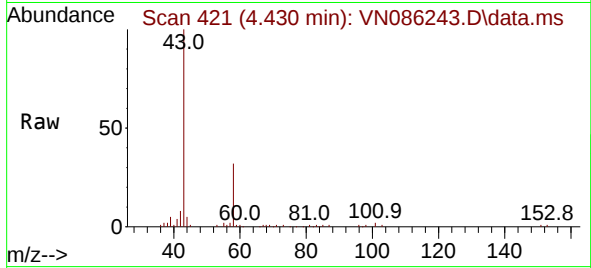
43 307.0 261.8 392.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/14/2025

Supervised By :Mahesh Dadoda 04/14/2025



#16

Carbon Disulfide

Concen: 51.572 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN086243.D

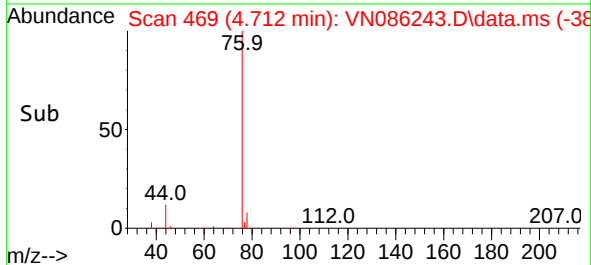
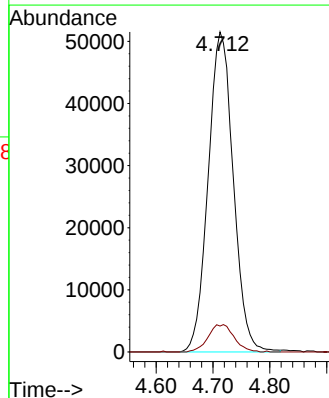
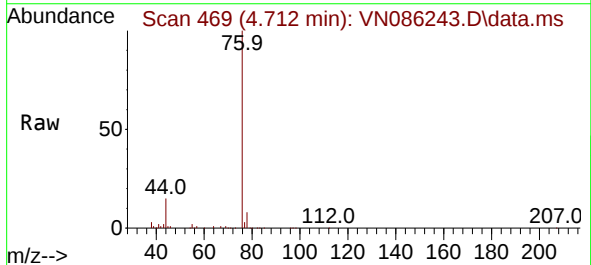
Acq: 11 Apr 2025 11:28

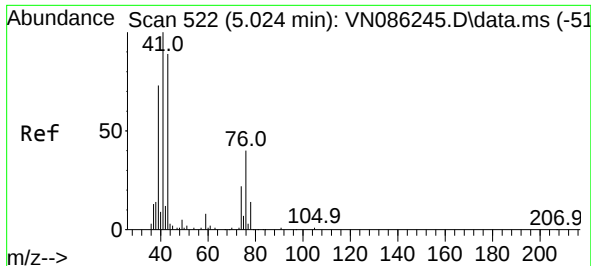
Tgt Ion: 76 Resp: 158178

Ion Ratio Lower Upper

76 100

78 8.1 7.7 11.5





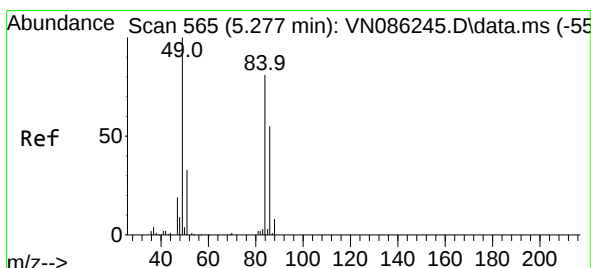
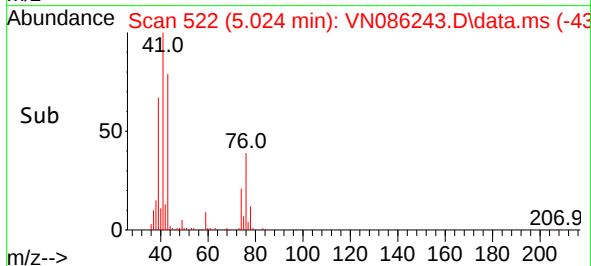
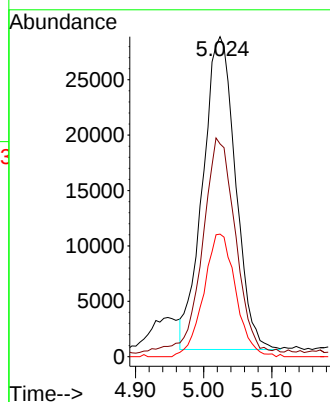
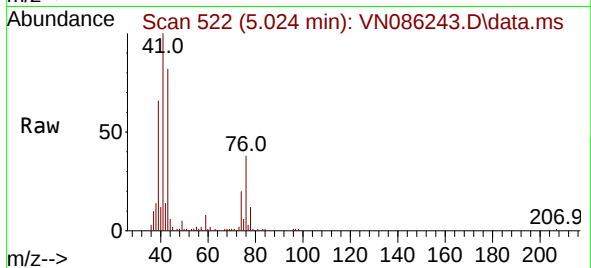
#17
Allyl chloride
Concen: 50.665 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 41 Resp: 94454
Ion Ratio Lower Upper
41 100
39 66.7 34.4 103.2
76 38.6 18.8 56.3

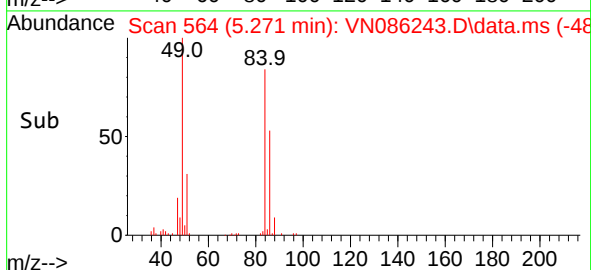
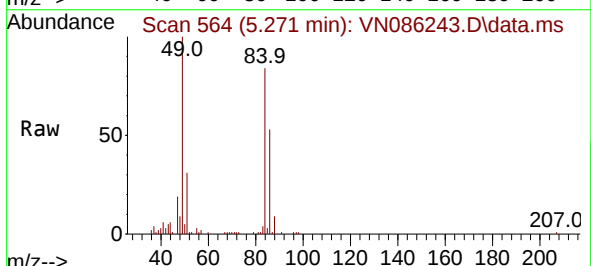
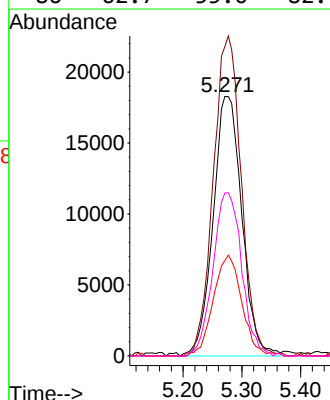
Manual Integrations
APPROVED

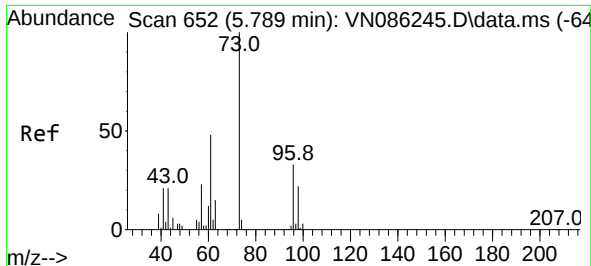
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#18
Methylene Chloride
Concen: 50.889 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

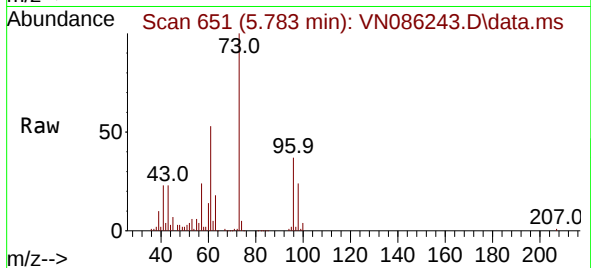
Tgt Ion: 84 Resp: 62060
Ion Ratio Lower Upper
84 100
49 119.3 99.1 148.7
51 36.8 32.3 48.5
86 62.7 55.0 82.4





#19
trans-1,2-Dichloroethene
Concen: 57.849 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.006 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

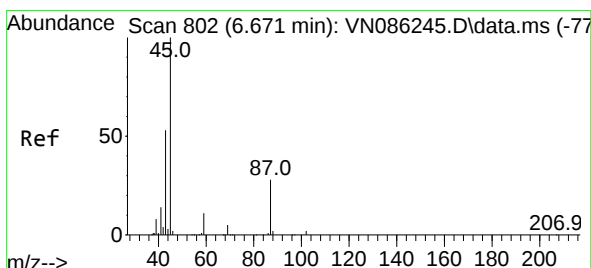
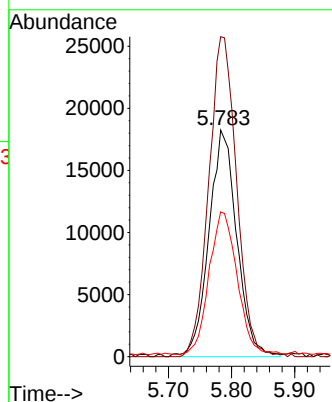
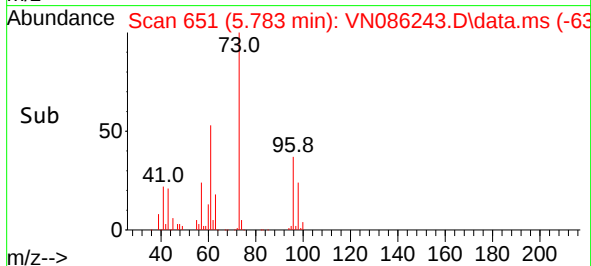
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 96 Resp: 5581
Ion Ratio Lower Upper
96 100
61 142.5 115.9 173.9
98 63.5 52.1 78.1

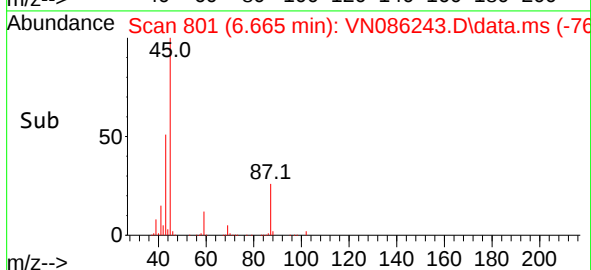
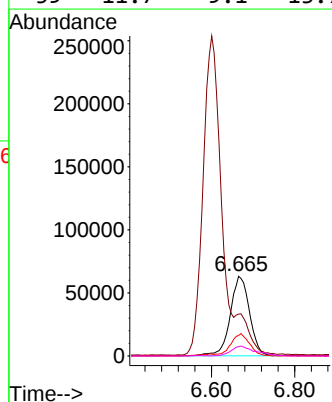
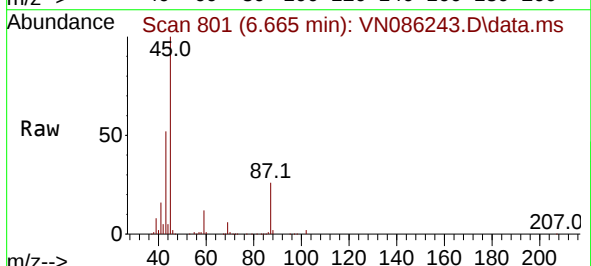
Manual Integrations
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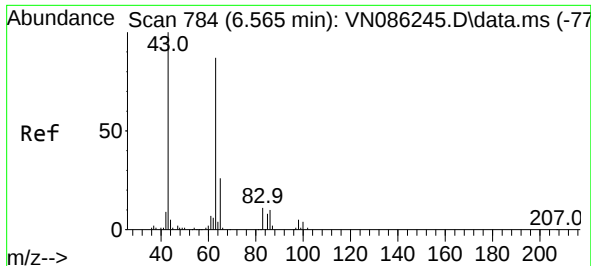
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#20
Diisopropyl ether
Concen: 50.486 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

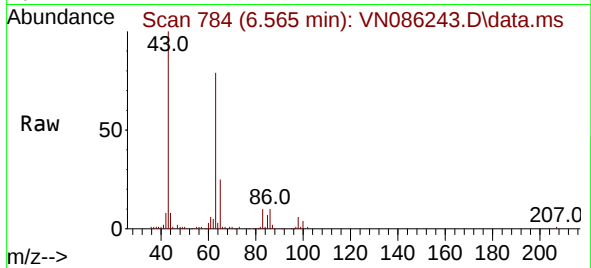
Tgt Ion: 45 Resp: 202367
Ion Ratio Lower Upper
45 100
43 51.2 42.3 63.5
87 25.7 22.2 33.4
59 11.7 9.1 13.7





#21
1,1-Dichloroethane
Concen: 51.327 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

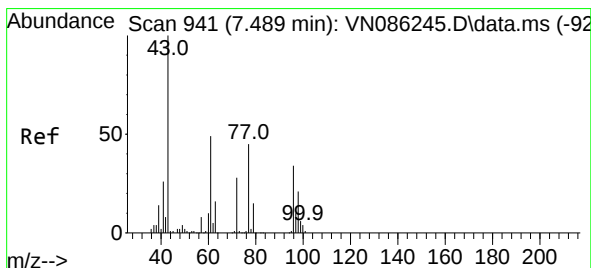
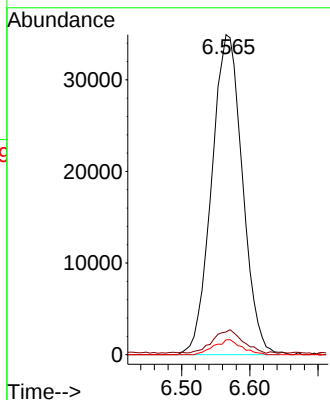
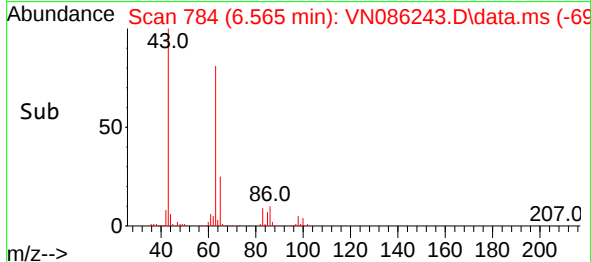
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 63 Resp: 109754
Ion Ratio Lower Upper
63 100
98 6.7 3.1 9.3
100 4.6 2.3 6.9

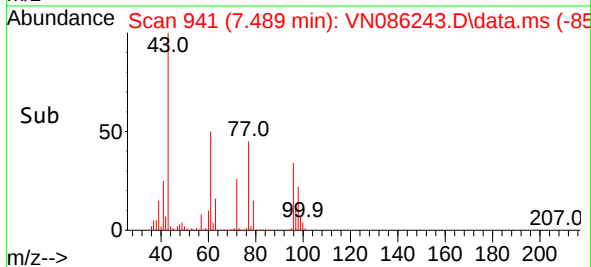
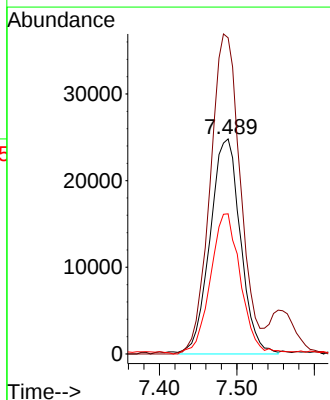
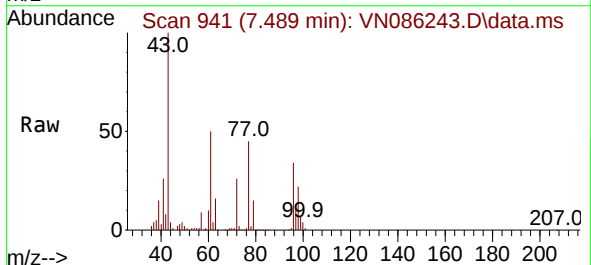
Manual Integrations
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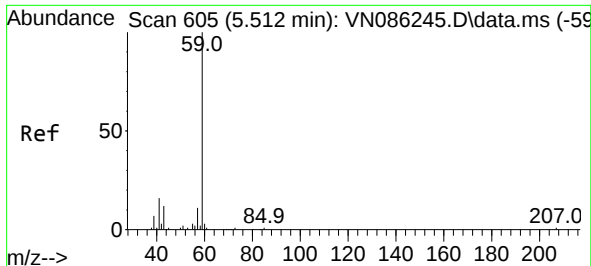
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#22
cis-1,2-Dichloroethene
Concen: 50.428 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Tgt Ion: 96 Resp: 67681
Ion Ratio Lower Upper
96 100
61 147.2 119.5 179.3
98 63.7 51.0 76.6





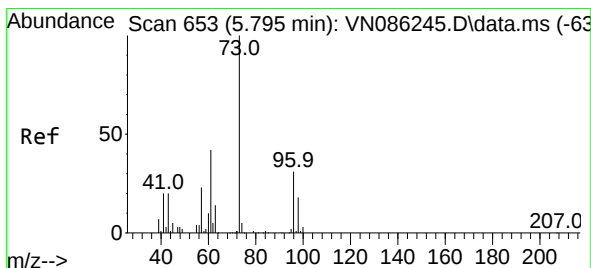
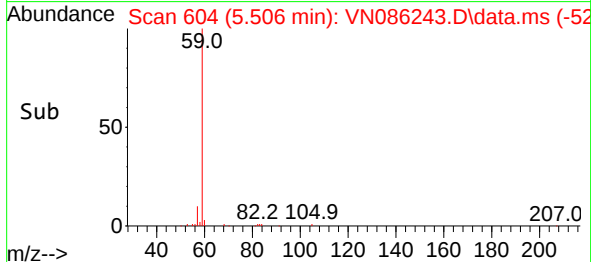
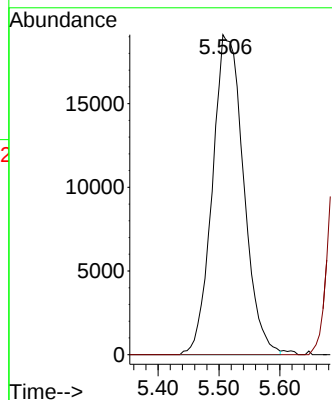
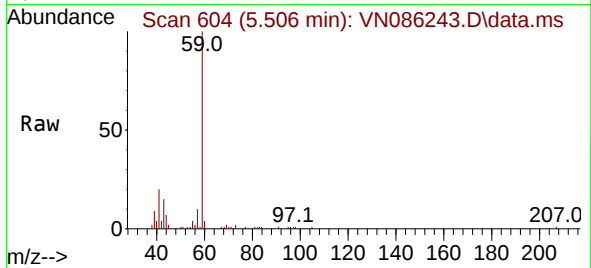
#23
tert-Butyl Alcohol
Concen: 257.664 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.006 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 59 Resp: 68079
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

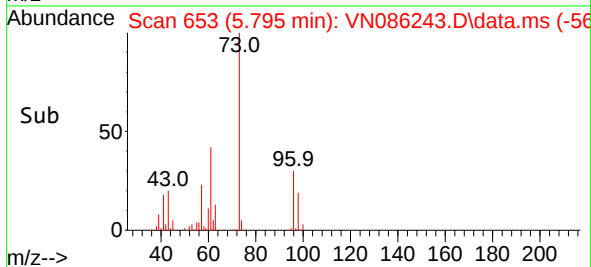
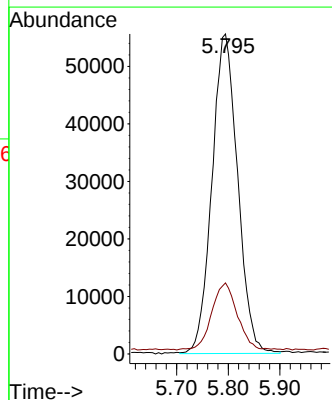
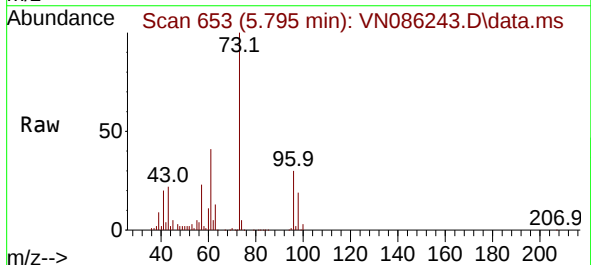
Manual Integrations
APPROVED

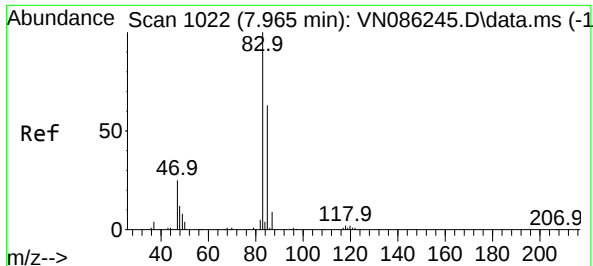
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#24
Methyl tert-Butyl Ether
Concen: 49.761 ug/l
RT: 5.795 min Scan# 653
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Tgt Ion: 73 Resp: 191760
Ion Ratio Lower Upper
73 100
43 20.2 16.8 25.2





#25

Chloroform

Concen: 50.340 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN086243.D

Acq: 11 Apr 2025 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 83 Resp: 10264

Ion Ratio Lower Upper

83 100

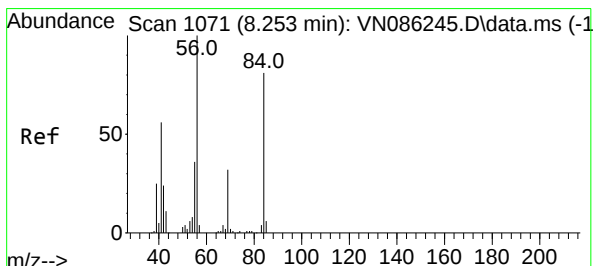
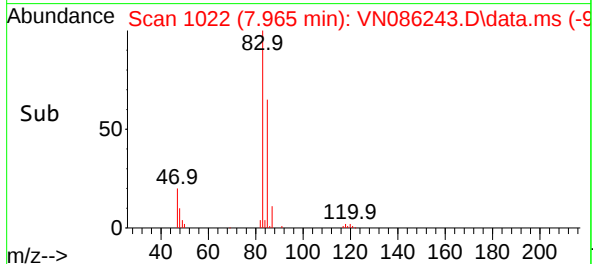
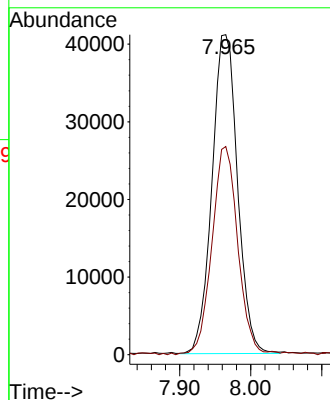
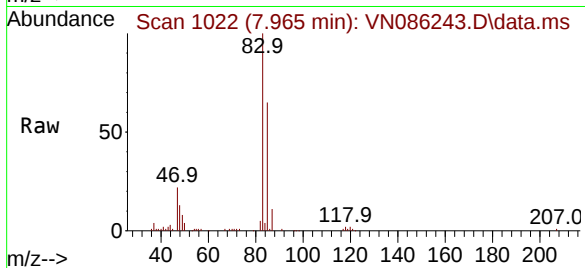
85 64.8 50.5 75.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/14/2025

Supervised By :Mahesh Dadoda 04/14/2025



#26

Cyclohexane

Concen: 51.353 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. 0.000 min

Lab File: VN086243.D

Acq: 11 Apr 2025 11:28

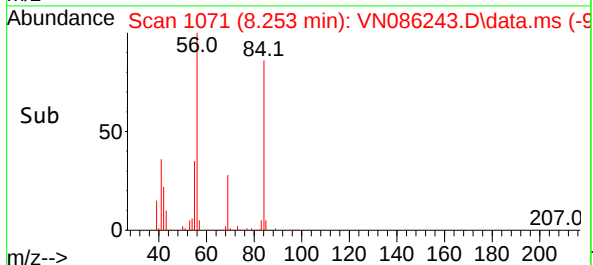
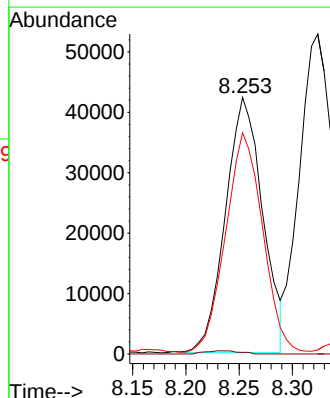
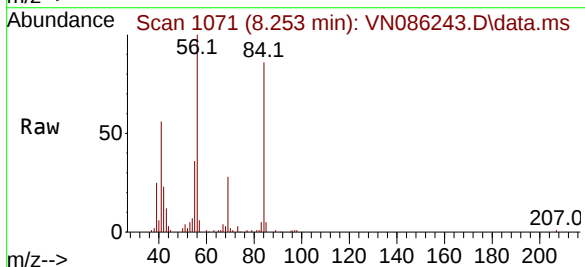
Tgt Ion: 56 Resp: 102734

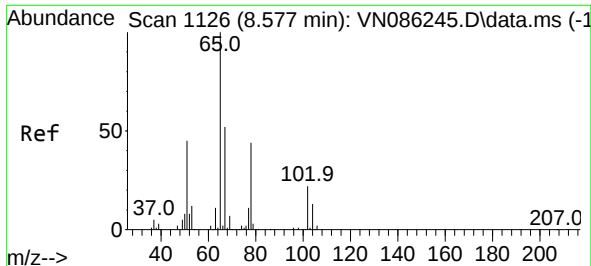
Ion Ratio Lower Upper

56 100

89 1.0 0.0 0.0#

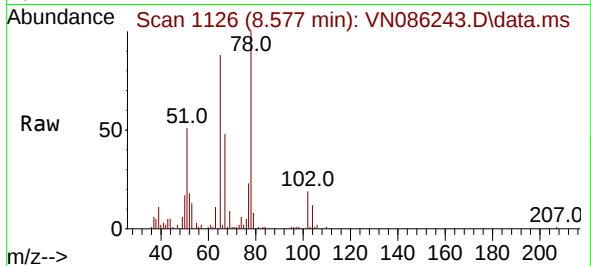
84 86.7 69.0 103.4





#27
1,2-Dichloroethane-d4
Concen: 30.085 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

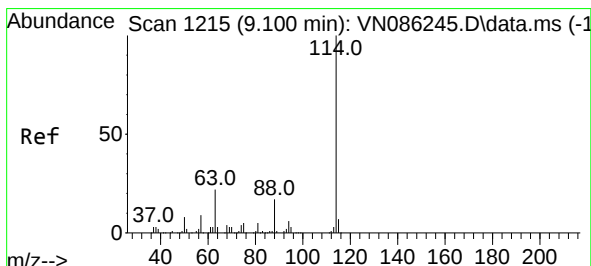
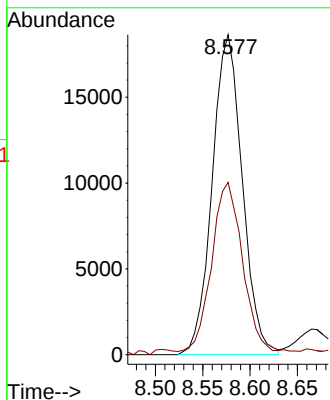
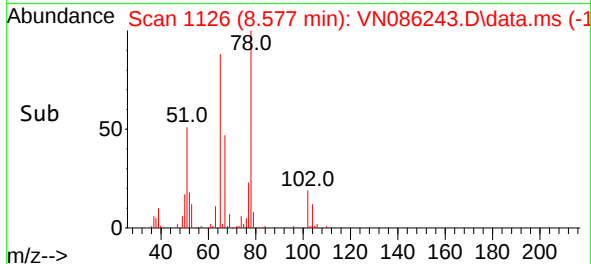
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



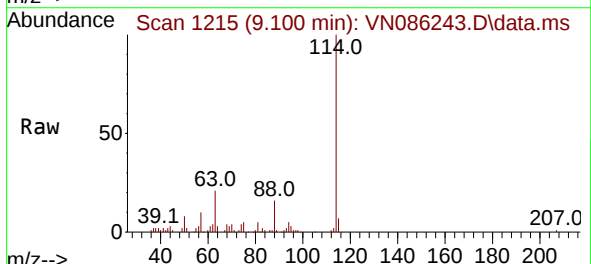
Tgt Ion: 65 Resp: 41220
Ion Ratio Lower Upper
65 100
67 53.3 43.4 65.2

Manual Integrations
APPROVED

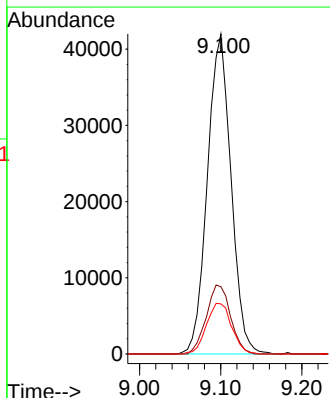
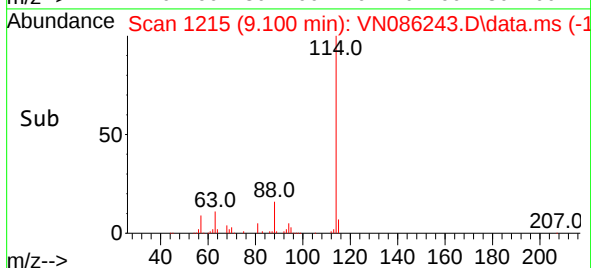
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

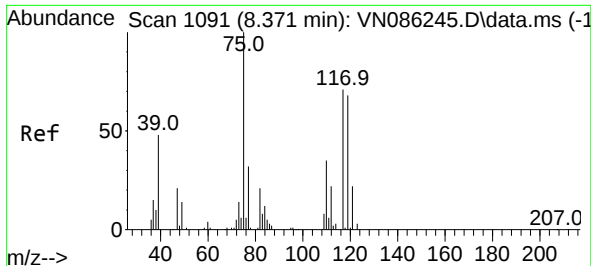


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28



Tgt Ion:114 Resp: 84939
Ion Ratio Lower Upper
114 100
63 22.0 17.8 26.6
88 16.9 13.4 20.2





#29

1,1-Dichloropropene

Concen: 49.468 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VN086243.D

Acq: 11 Apr 2025 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

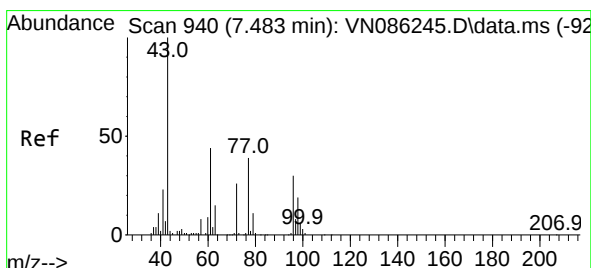
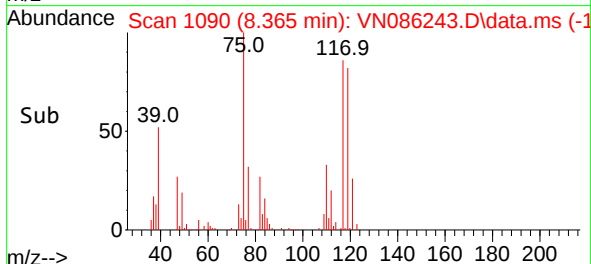
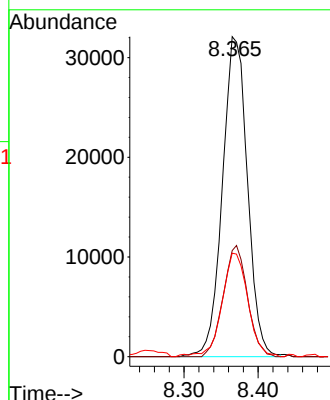
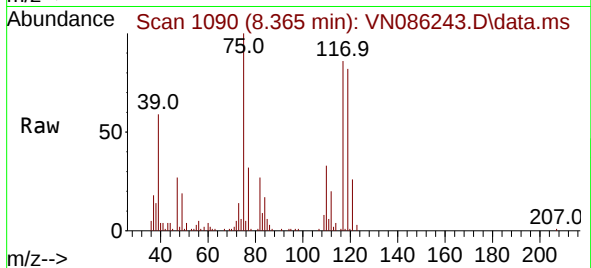
Tgt Ion: 75	Resp: 75270
Ion Ratio	Lower Upper
75 100	
110 33.6	0.0 68.6
77 32.7	0.0 63.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/14/2025

Supervised By :Mahesh Dadoda 04/14/2025



#30

2-Butanone

Concen: 254.531 ug/l

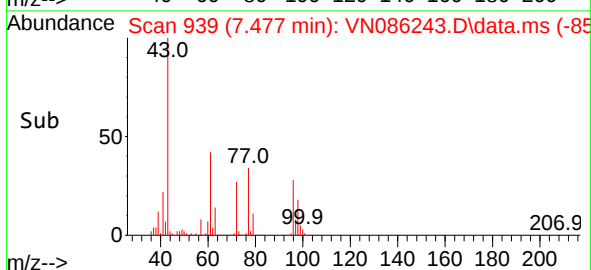
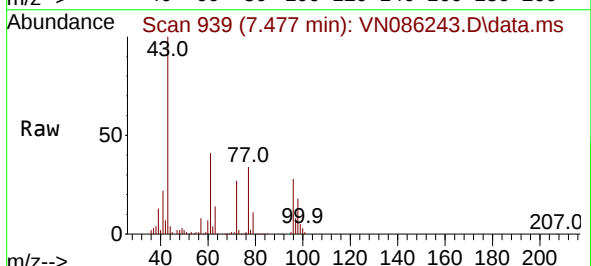
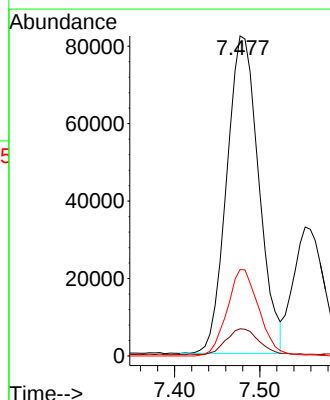
RT: 7.477 min Scan# 939

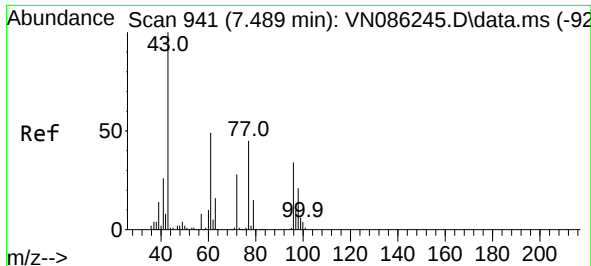
Delta R.T. -0.006 min

Lab File: VN086243.D

Acq: 11 Apr 2025 11:28

Tgt Ion: 43	Resp: 214604
Ion Ratio	Lower Upper
43 100	
57 7.9	6.4 9.6
72 27.0	21.5 32.3





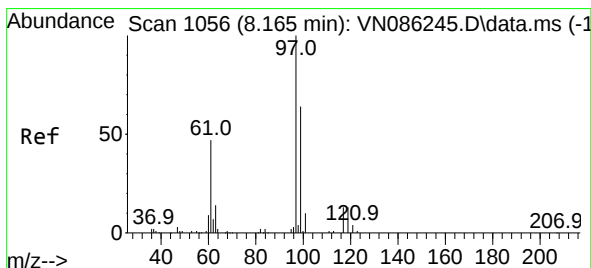
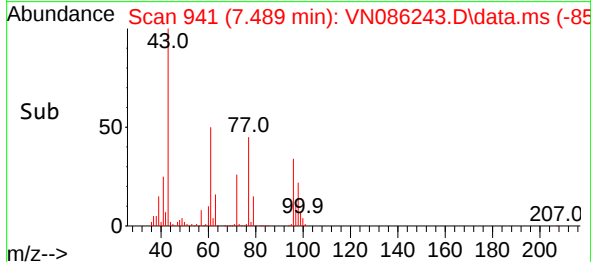
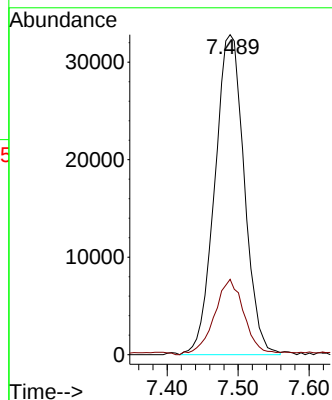
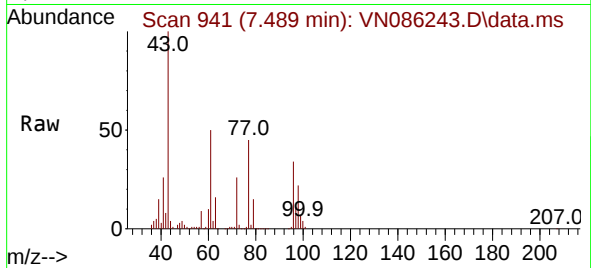
#31
2,2-Dichloropropane
Concen: 50.415 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 77 Resp: 94420
Ion Ratio Lower Upper
77 100
97 23.8 18.8 28.2

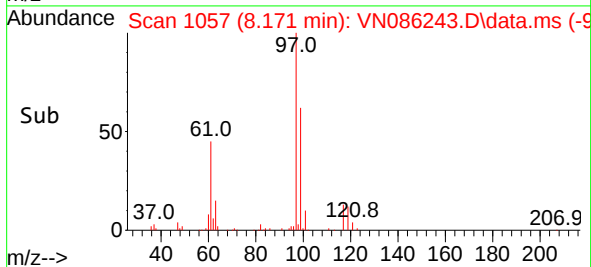
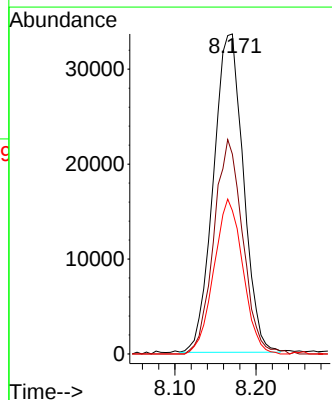
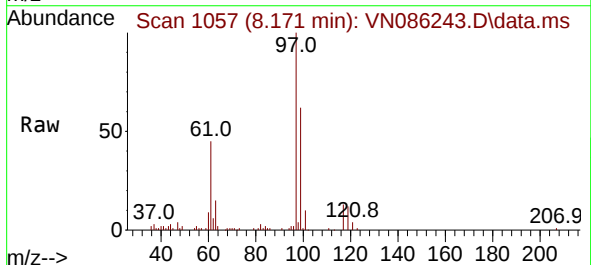
Manual Integrations
APPROVED

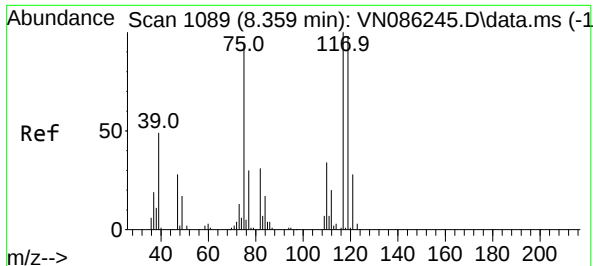
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#32
1,1,1-Trichloroethane
Concen: 49.195 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

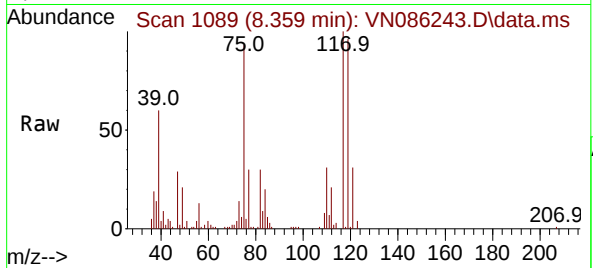
Tgt Ion: 97 Resp: 86106
Ion Ratio Lower Upper
97 100
99 65.1 51.4 77.2
61 47.0 37.0 55.6





#33
Carbon Tetrachloride
Concen: 49.764 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

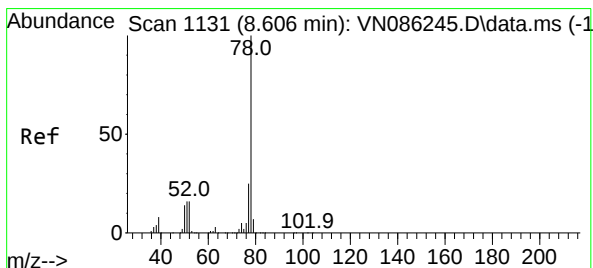
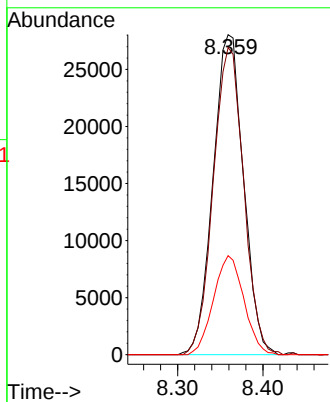
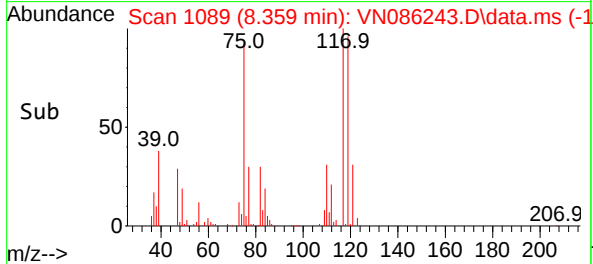
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 117 Resp: 69609
Ion Ratio Lower Upper
117 100
119 96.0 78.3 117.5
121 30.9 22.5 33.7

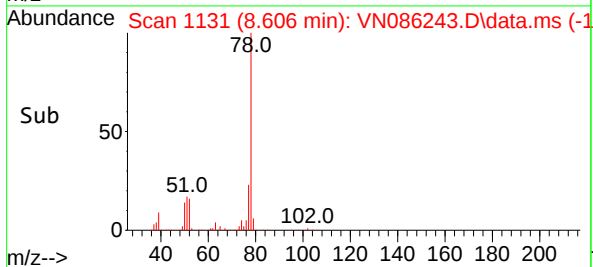
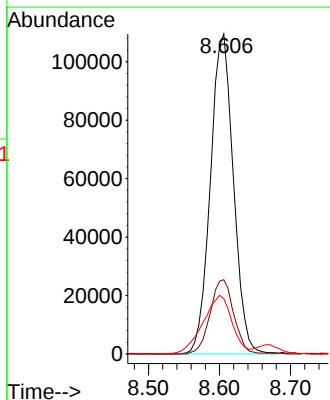
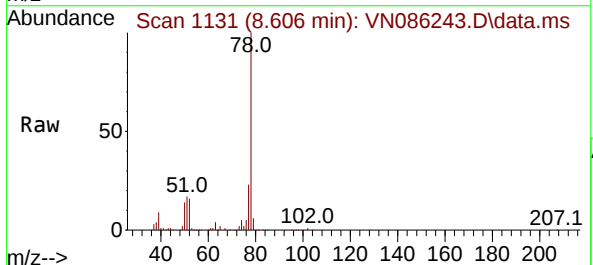
Manual Integrations
APPROVED

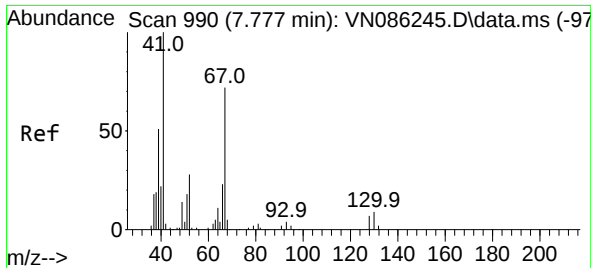
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#34
Benzene
Concen: 50.932 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Tgt Ion: 78 Resp: 246552
Ion Ratio Lower Upper
78 100
77 23.2 20.0 30.0
51 16.7 12.9 19.3





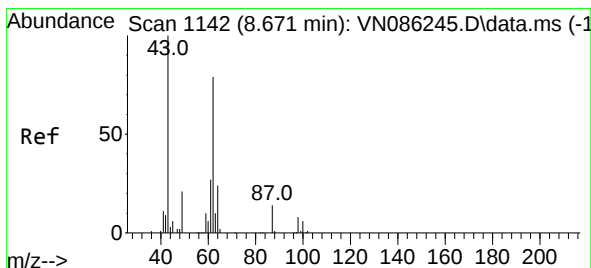
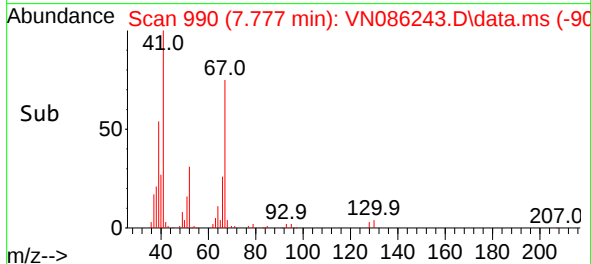
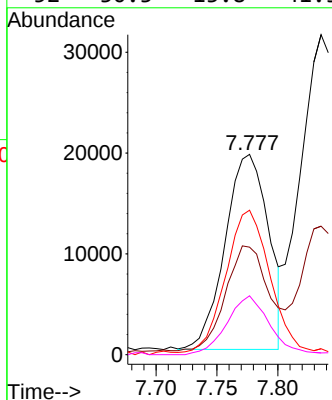
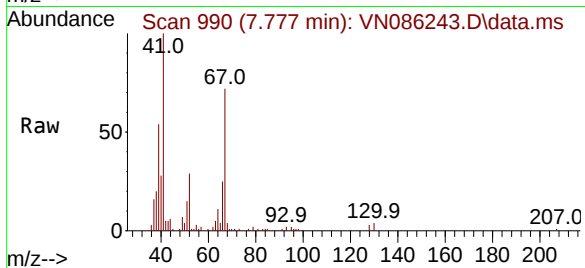
#35
Methacrylonitrile
Concen: 50.544 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:	41	Resp:	4804
Ion Ratio	Lower	Upper	
41	100		
39	53.2	25.8	77.3
67	73.2	36.0	108.0
52	30.3	13.8	41.3

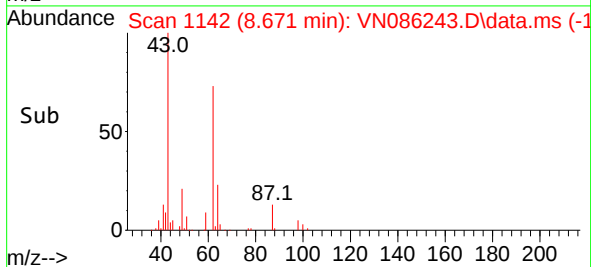
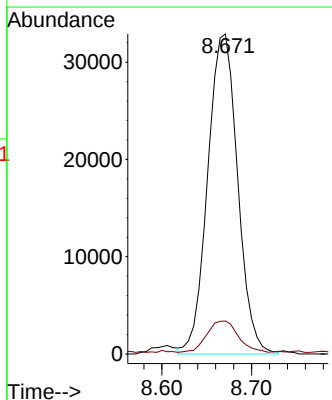
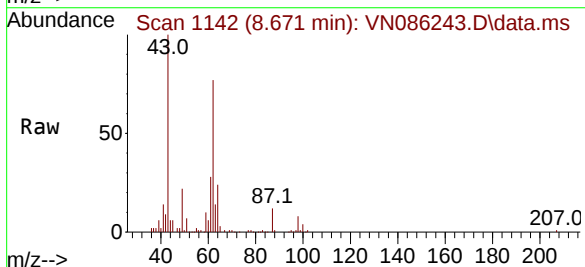
Manual Integrations
APPROVED

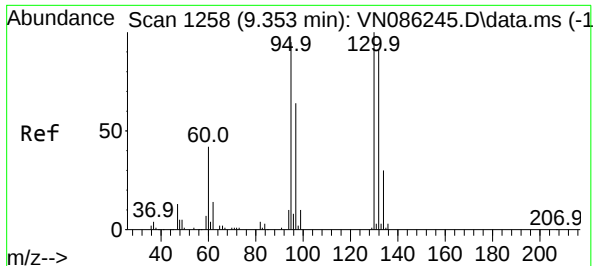
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#36
1,2-Dichloroethane
Concen: 50.407 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Tgt Ion:	62	Resp:	76358
Ion Ratio	Lower	Upper	
62	100		
98	10.2	8.6	12.8





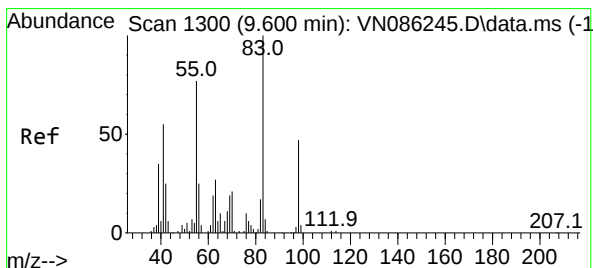
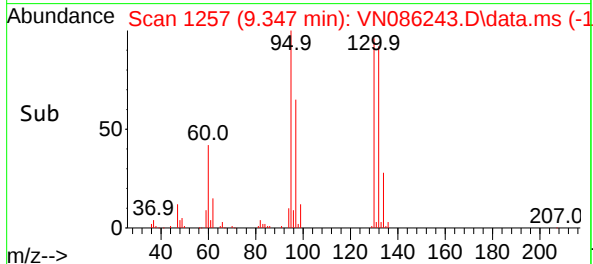
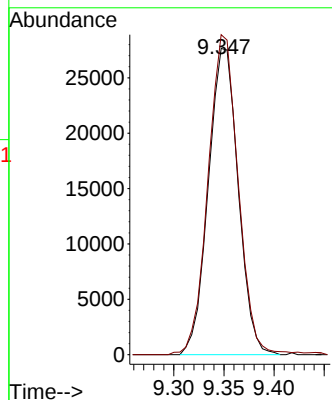
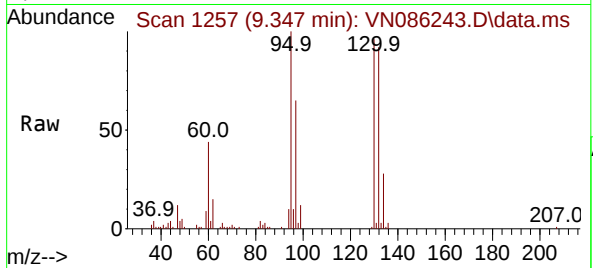
#37
Trichloroethene
Concen: 48.957 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.006 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:130 Resp: 5718
Ion Ratio Lower Upper
130 100
95 103.7 76.4 114.6

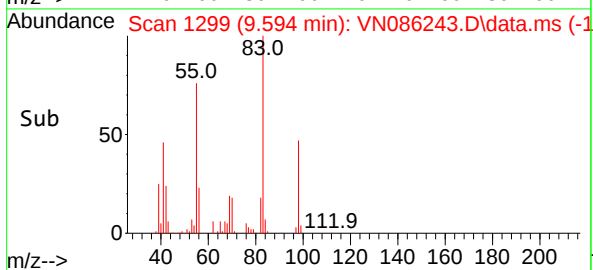
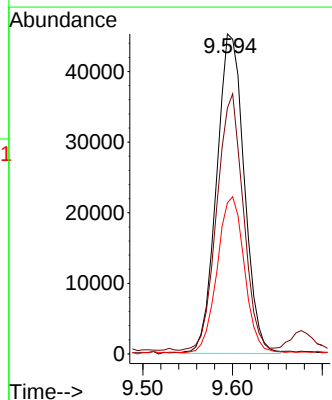
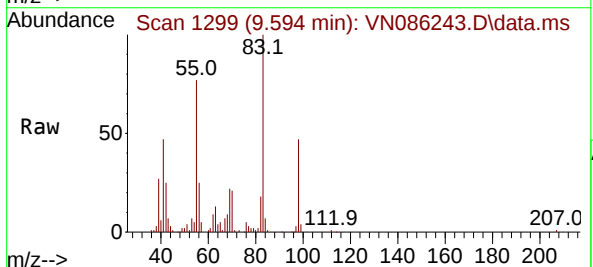
Manual Integrations
APPROVED

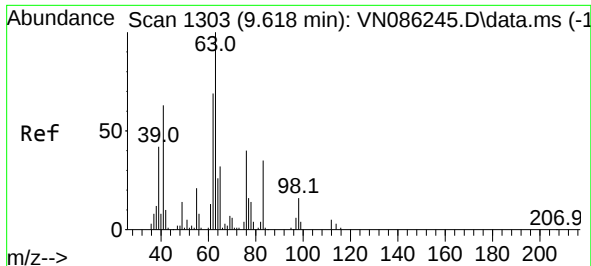
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#38
Methylcyclohexane
Concen: 51.784 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.006 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

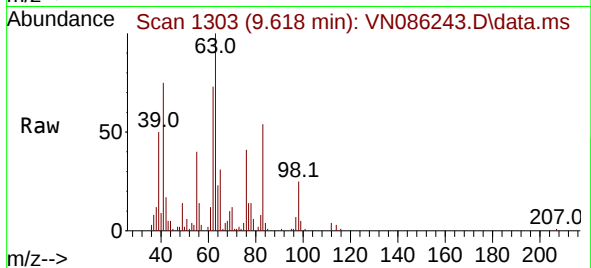
Tgt Ion: 83 Resp: 96635
Ion Ratio Lower Upper
83 100
55 76.7 38.5 115.5
98 47.8 24.4 73.2





#39
1,2-Dichloropropane
Concen: 50.990 ug/l
RT: 9.618 min Scan# 1303
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

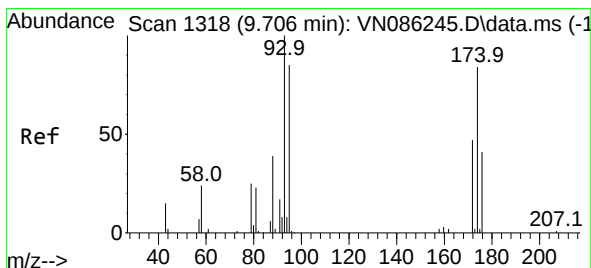
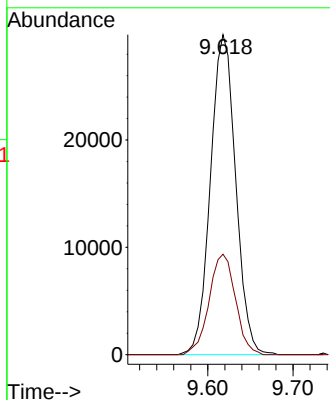
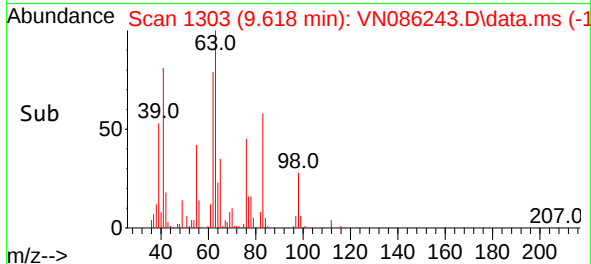
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 63 Resp: 61419
Ion Ratio Lower Upper
63 100
65 31.4 26.0 39.0

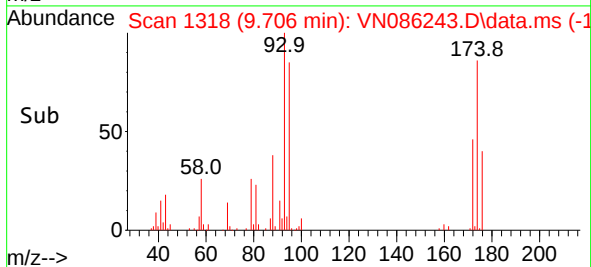
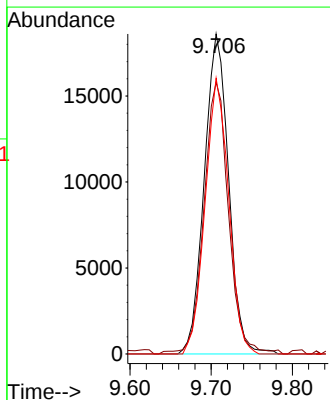
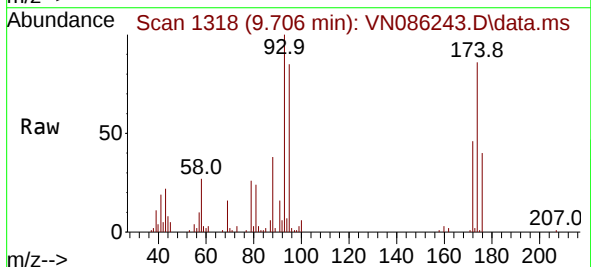
Manual Integrations
APPROVED

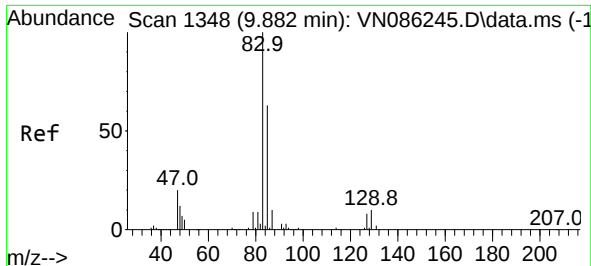
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#40
Dibromomethane
Concen: 49.745 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Tgt Ion: 93 Resp: 38700
Ion Ratio Lower Upper
93 100
95 85.3 0.0 169.0
174 83.7 0.0 168.0





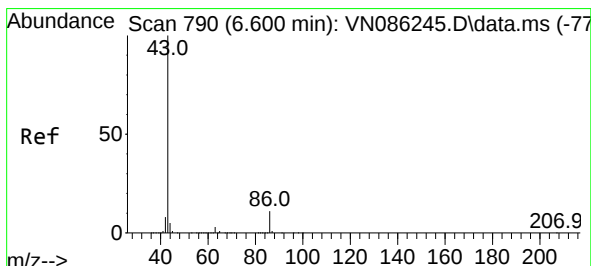
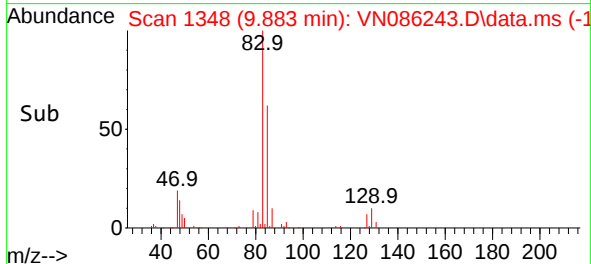
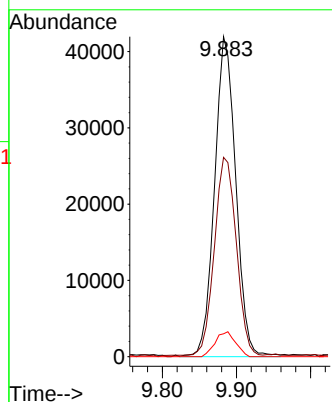
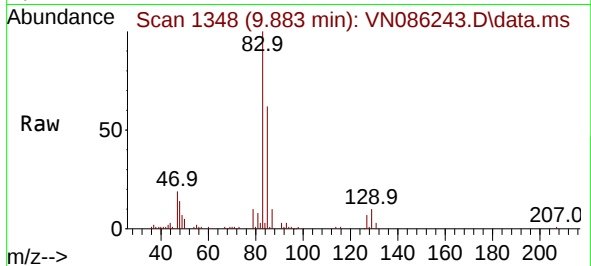
#41
Bromodichloromethane
Concen: 49.974 ug/l
RT: 9.883 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 83 Resp: 8352
Ion Ratio Lower Upper
83 100
85 61.9 50.2 75.2
127 7.1 6.2 9.4

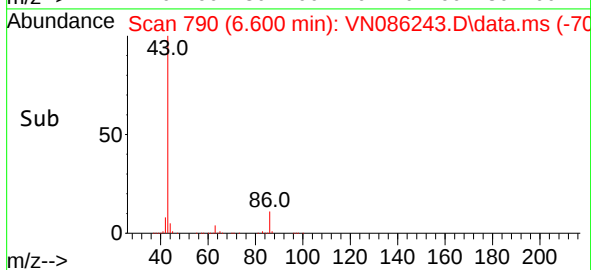
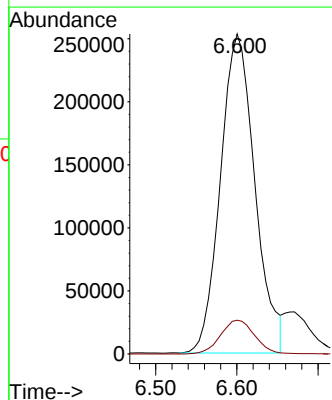
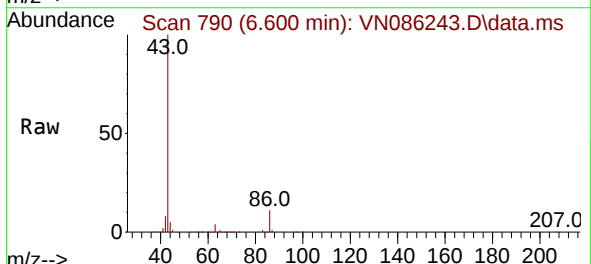
Manual Integrations
APPROVED

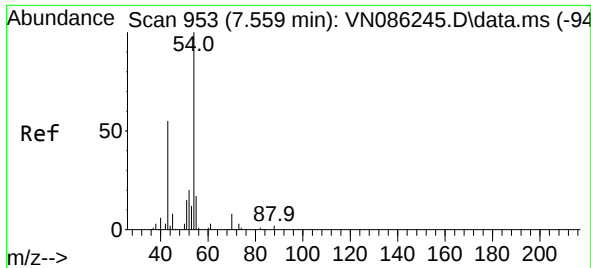
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#42
Vinyl Acetate
Concen: 260.085 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Tgt Ion: 43 Resp: 746448
Ion Ratio Lower Upper
43 100
86 10.5 8.4 12.6





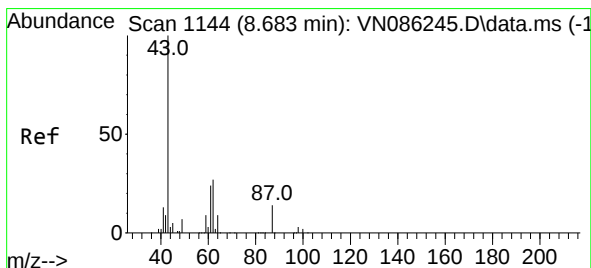
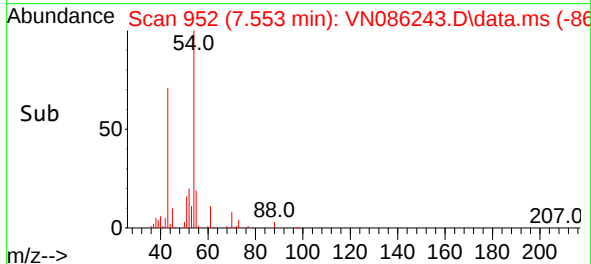
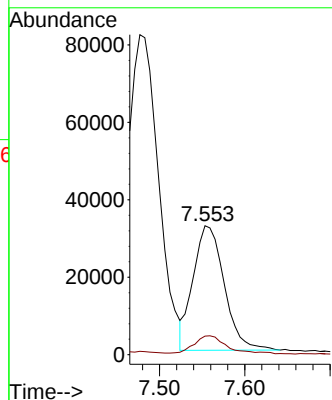
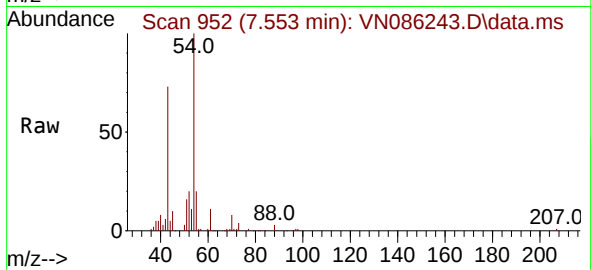
#43
Ethyl Acetate
Concen: 47.963 ug/l
RT: 7.553 min Scan# 915
Delta R.T. -0.006 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 43 Resp: 81568
Ion Ratio Lower Upper
43 100
45 15.5 11.2 16.8

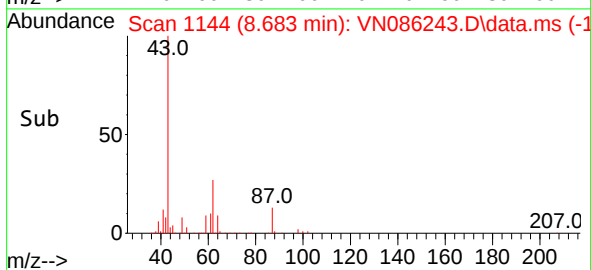
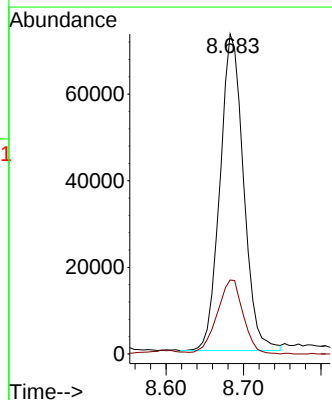
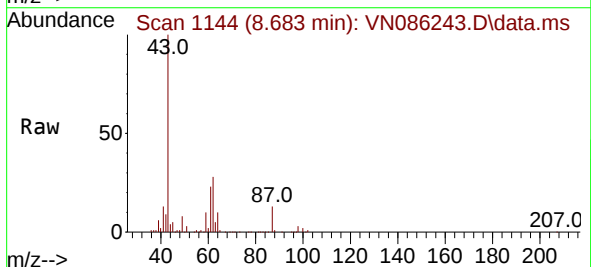
Manual Integrations
APPROVED

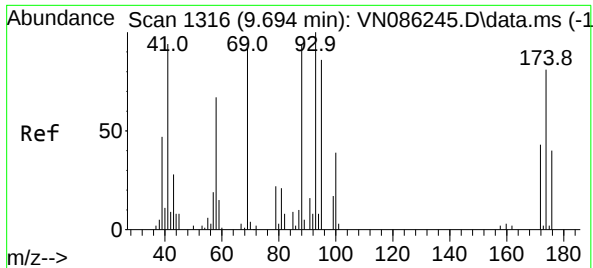
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#44
Isopropyl Acetate
Concen: 49.138 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

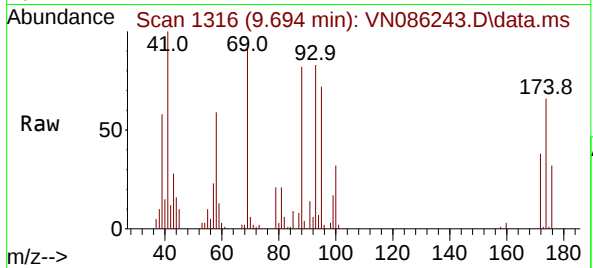
Tgt Ion: 43 Resp: 155025
Ion Ratio Lower Upper
43 100
61 25.9 20.5 30.7





#45
1,4-Dioxane
Concen: 1012.940 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

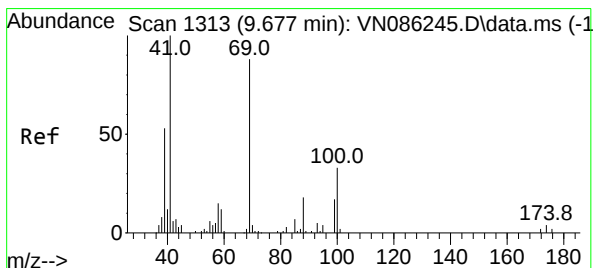
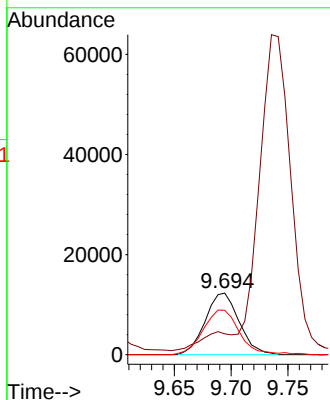
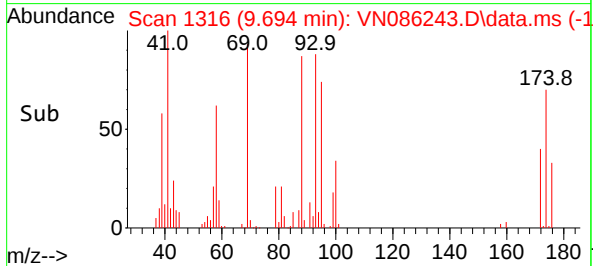
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



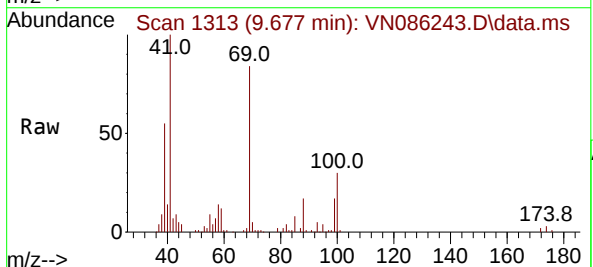
Tgt Ion: 88 Resp: 25412
Ion Ratio Lower Upper
88 100
43 27.6 14.4 21.6
58 76.9 59.8 89.8

Manual Integrations
APPROVED

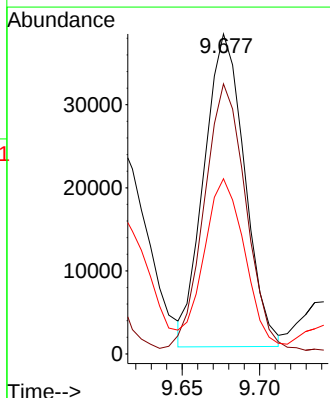
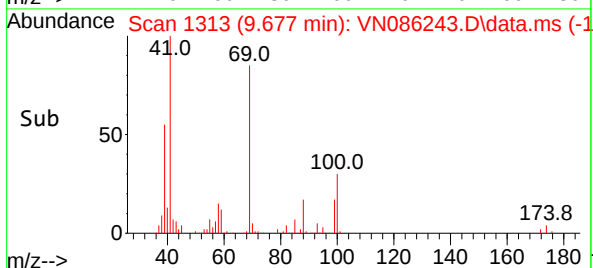
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

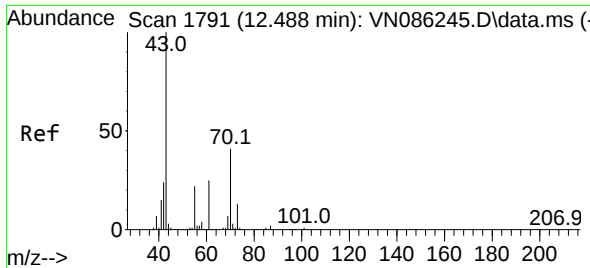


#46
Methyl methacrylate
Concen: 49.249 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28



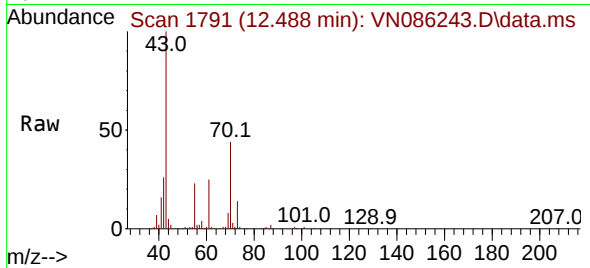
Tgt Ion: 41 Resp: 68461
Ion Ratio Lower Upper
41 100
69 85.6 43.2 129.6
39 54.6 26.4 79.0





#47
n-amy1 Acetate
Concen: 47.976 ug/l
RT: 12.488 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

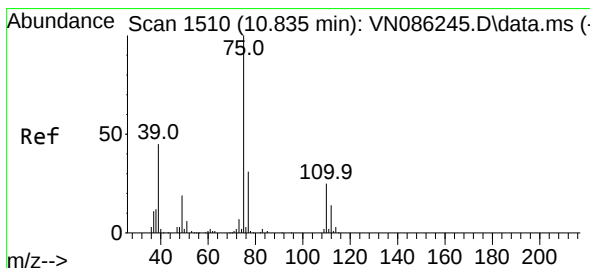
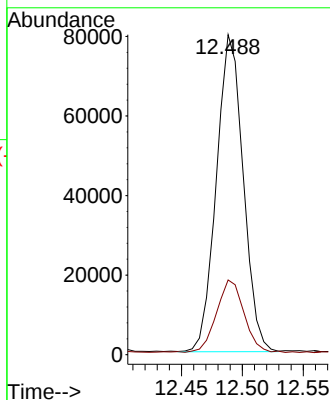
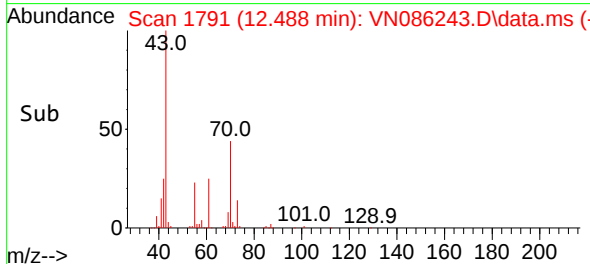
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 43 Resp: 122298
Ion Ratio Lower Upper
43 100
55 23.4 19.0 28.4

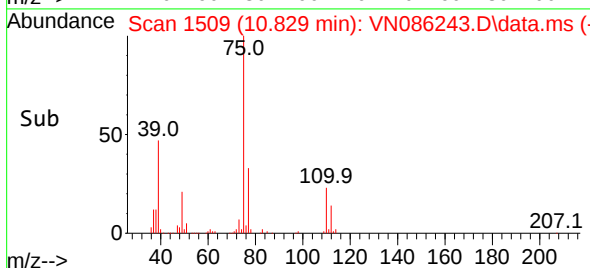
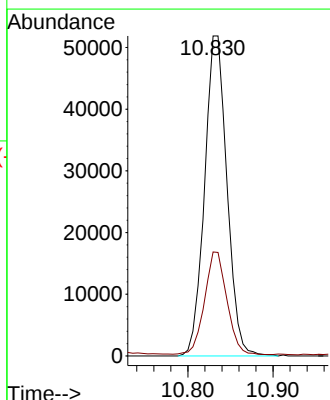
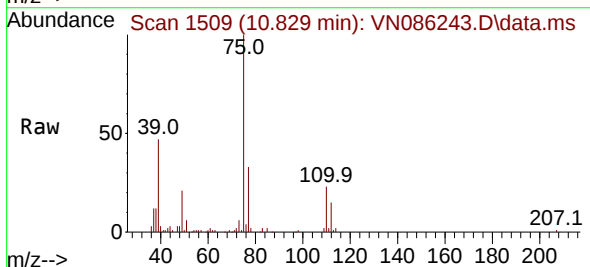
Manual Integrations
APPROVED

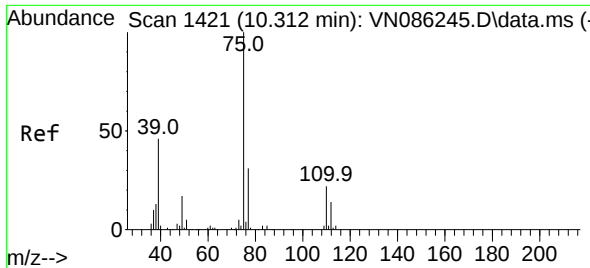
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#48
t-1,3-Dichloropropene
Concen: 50.286 ug/l
RT: 10.829 min Scan# 1509
Delta R.T. -0.006 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

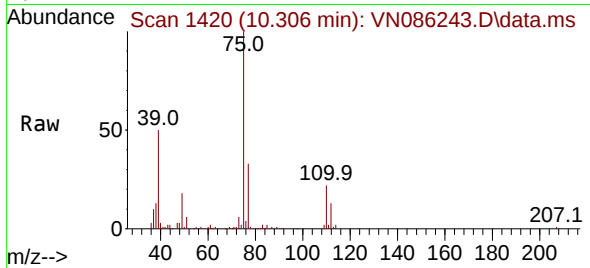
Tgt Ion: 75 Resp: 95012
Ion Ratio Lower Upper
75 100
77 31.9 25.1 37.7





#49
 cis-1,3-Dichloropropene
 Concen: 51.219 ug/l
 RT: 10.306 min Scan# 1421
 Delta R.T. -0.006 min
 Lab File: VN086243.D
 Acq: 11 Apr 2025 11:28

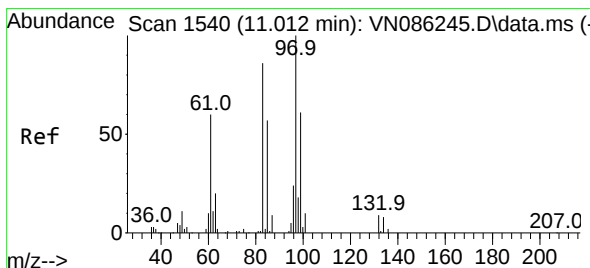
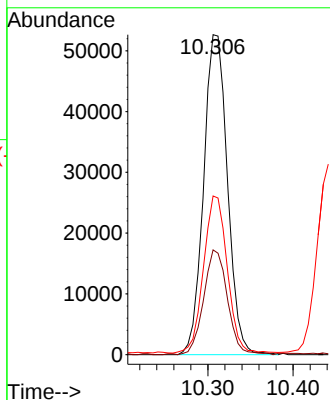
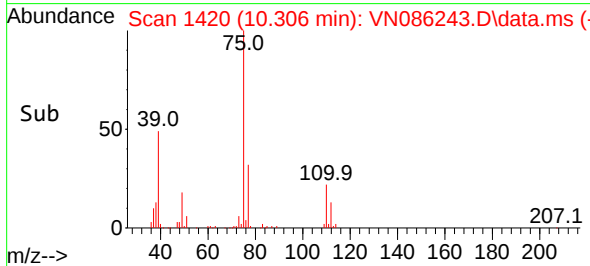
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



Tgt Ion: 75 Resp: 102425
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.0 37.4
 39 48.9 36.7 55.1

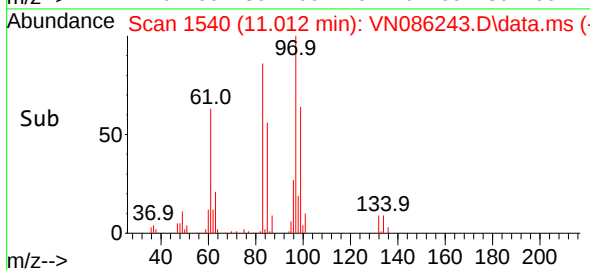
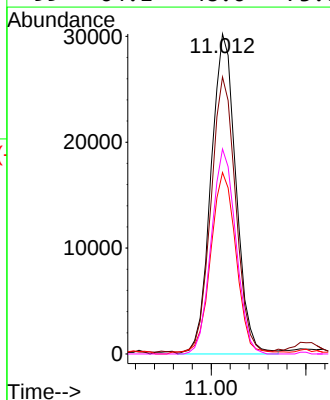
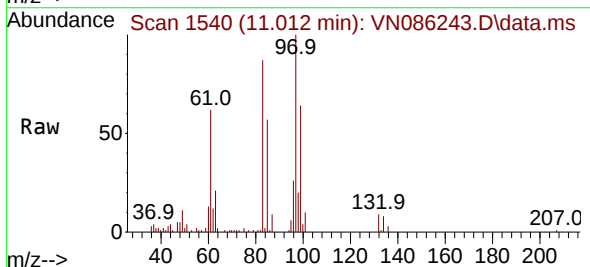
Manual Integrations
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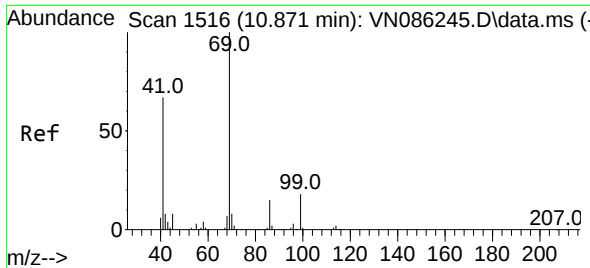
Reviewed By :John Carlone 04/14/2025
 Supervised By :Mahesh Dadoda 04/14/2025



#50
 1,1,2-Trichloroethane
 Concen: 50.753 ug/l
 RT: 11.012 min Scan# 1540
 Delta R.T. 0.000 min
 Lab File: VN086243.D
 Acq: 11 Apr 2025 11:28

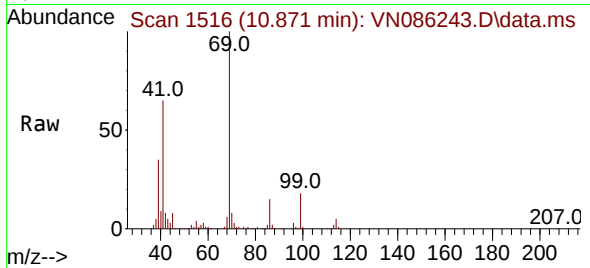
Tgt Ion: 97 Resp: 55379
 Ion Ratio Lower Upper
 97 100
 83 86.0 68.6 103.0
 85 56.1 45.9 68.9
 99 64.1 48.6 73.0





#51
Ethyl methacrylate
Concen: 50.011 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

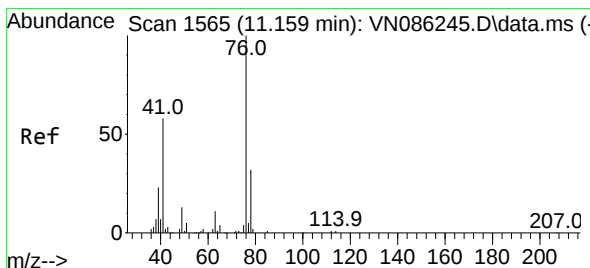
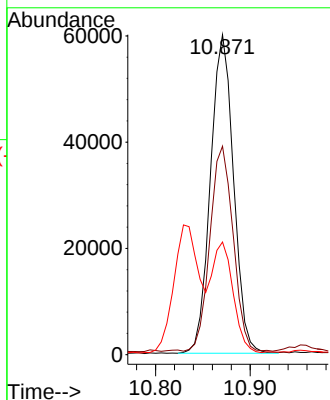
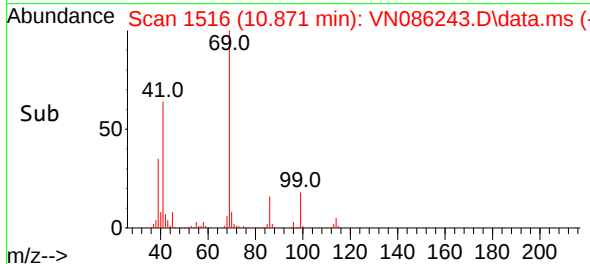
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



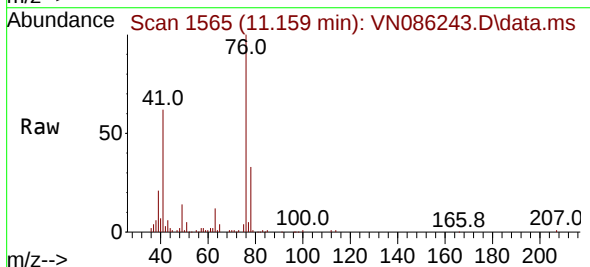
Tgt Ion: 69 Resp: 101408
Ion Ratio Lower Upper
69 100
41 64.1 33.6 100.6
39 34.6 17.8 53.4

Manual Integrations
APPROVED

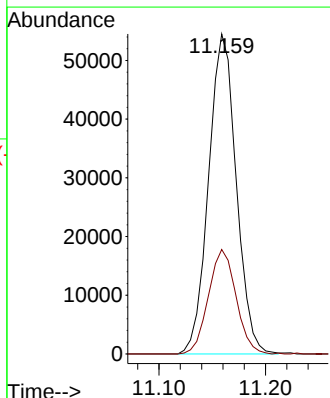
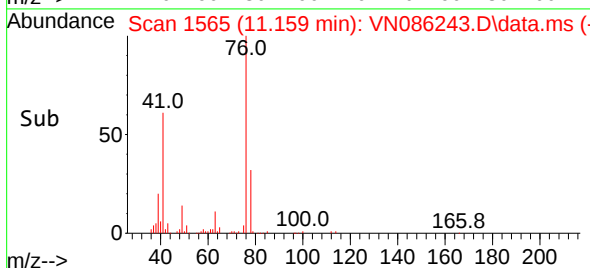
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

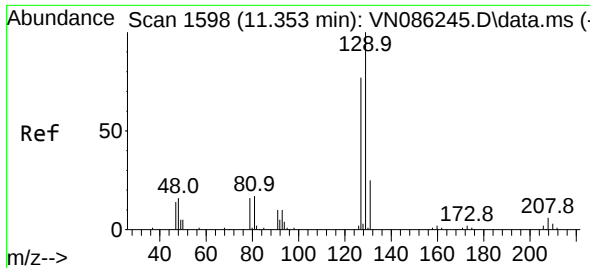


#52
1,3-Dichloropropane
Concen: 50.474 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28



Tgt Ion: 76 Resp: 98162
Ion Ratio Lower Upper
76 100
78 32.6 0.0 64.6





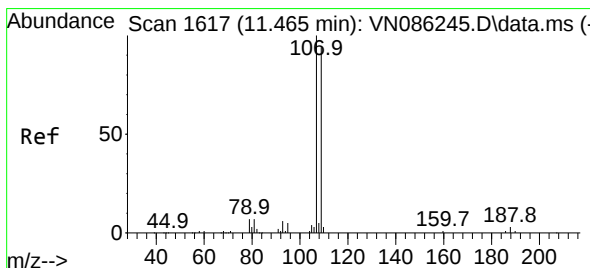
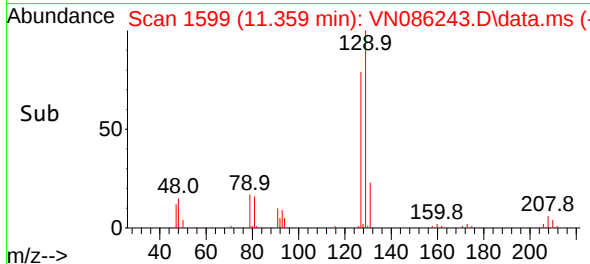
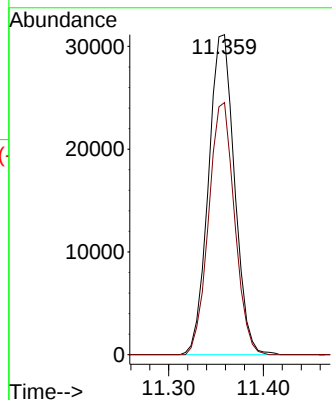
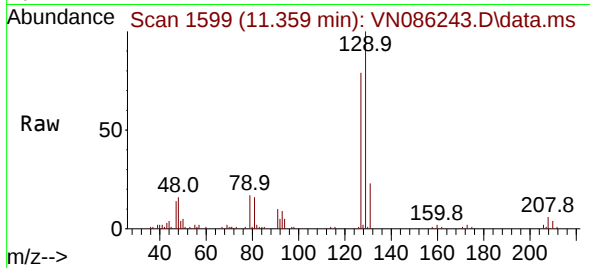
#53
Dibromochloromethane
Concen: 49.971 ug/l
RT: 11.359 min Scan# 1598
Delta R.T. 0.006 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:129 Resp: 5964
Ion Ratio Lower Upper
129 100
127 78.1 38.5 115.5

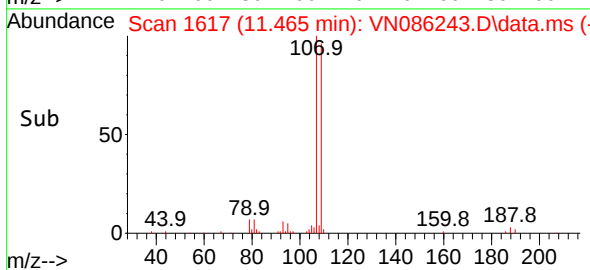
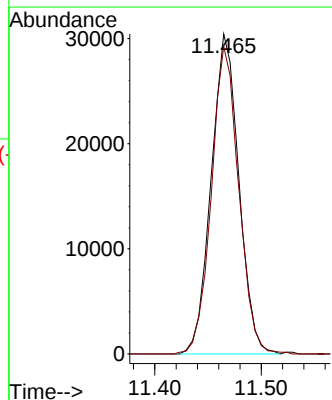
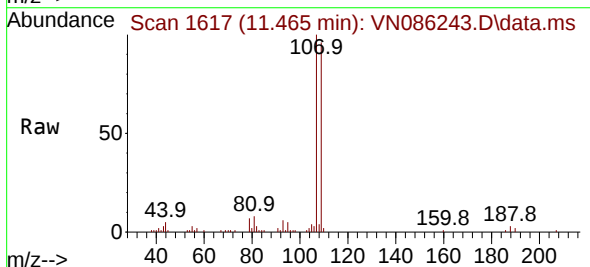
Manual Integrations
APPROVED

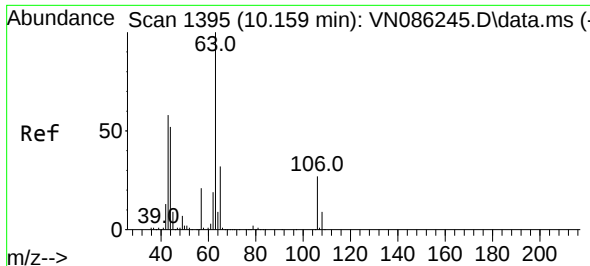
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#54
1,2-Dibromoethane
Concen: 49.715 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Tgt Ion:107 Resp: 54759
Ion Ratio Lower Upper
107 100
109 95.0 75.2 112.8





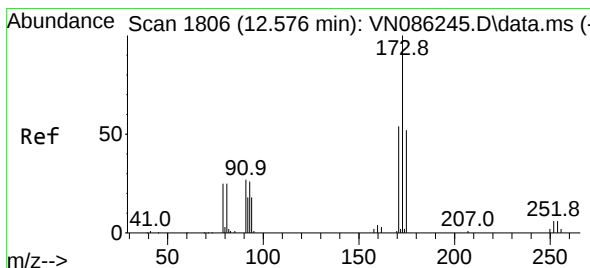
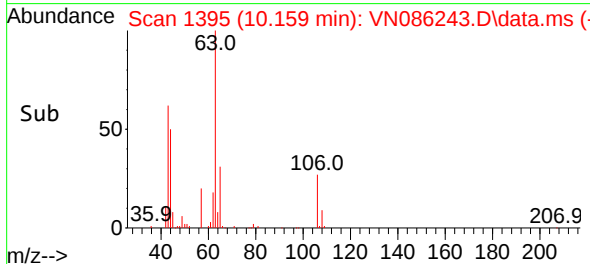
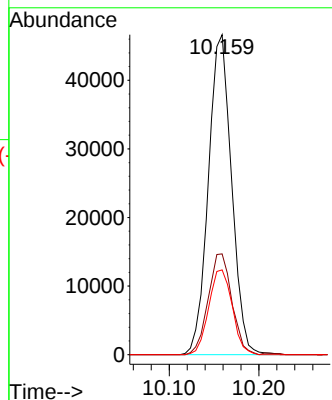
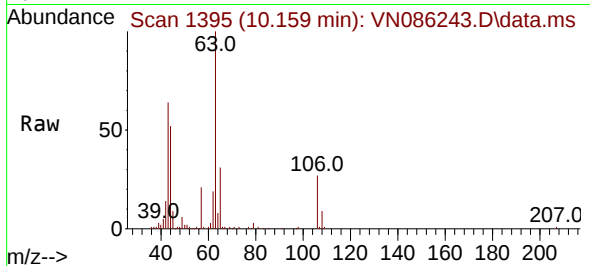
#55
2-Chloroethyl vinyl ether
Concen: 109.390 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 63 Resp: 83810
Ion Ratio Lower Upper
63 100
65 32.1 25.8 38.8
106 26.8 21.8 32.8

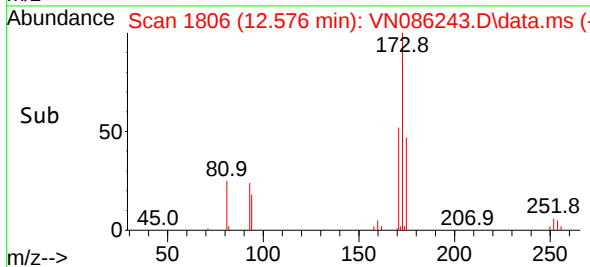
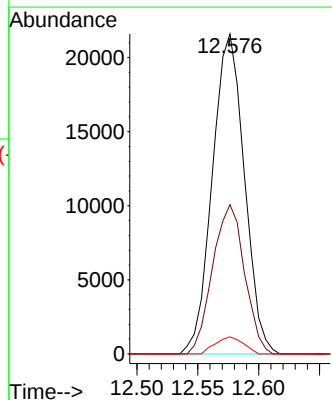
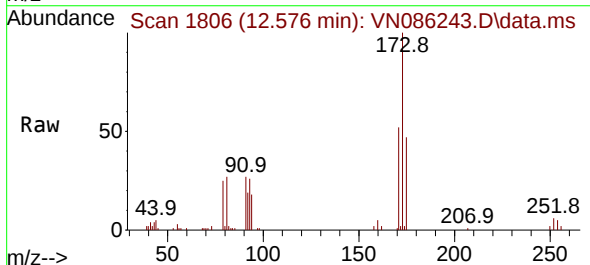
Manual Integrations
APPROVED

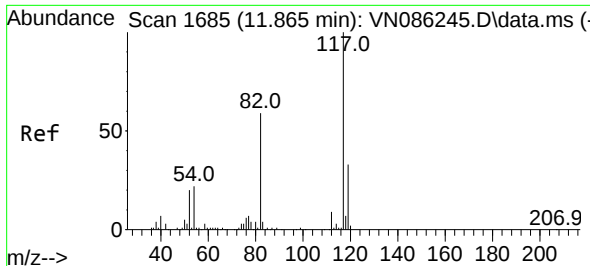
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#56
Bromoform
Concen: 50.601 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

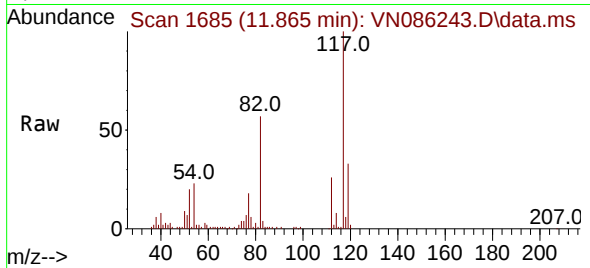
Tgt Ion:173 Resp: 39512
Ion Ratio Lower Upper
173 100
175 46.5 38.2 57.4
254 4.7 4.5 6.7





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 11865
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

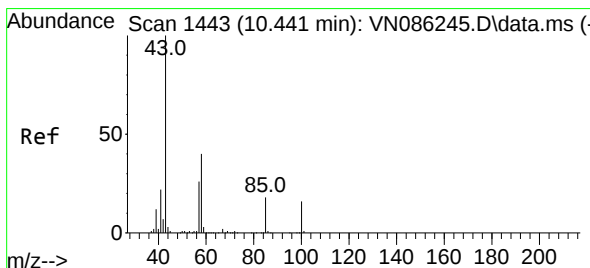
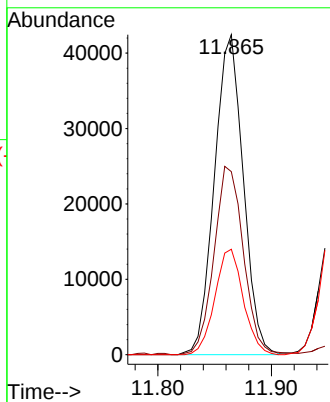
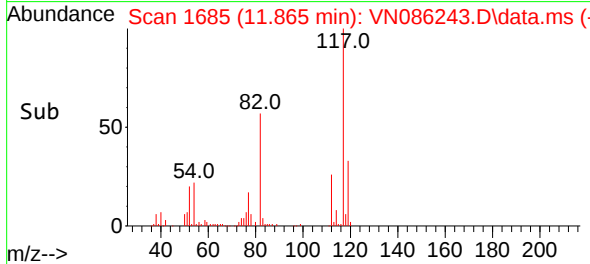
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 117 Resp: 74900
Ion Ratio Lower Upper
117 100
82 60.1 47.3 70.9
119 32.5 25.9 38.9

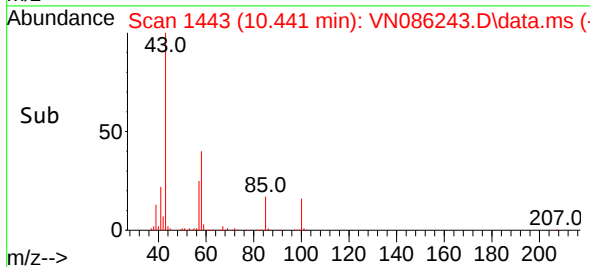
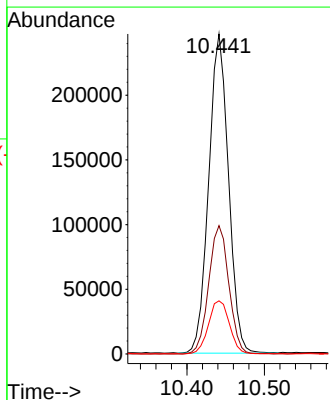
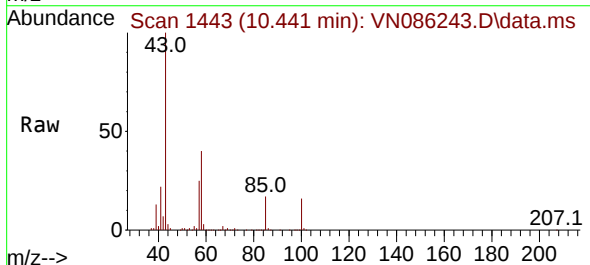
Manual Integrations
APPROVED

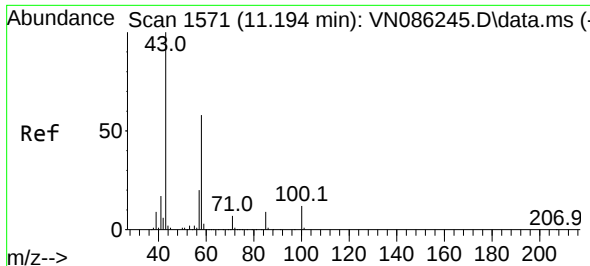
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#58
4-Methyl-2-Pentanone
Concen: 257.153 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

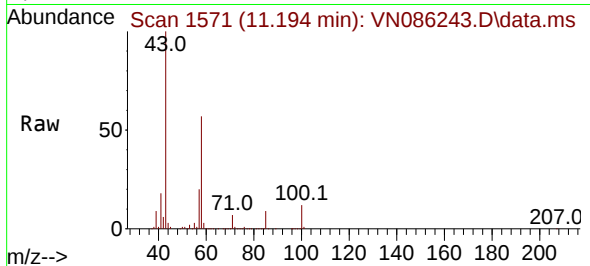
Tgt Ion: 43 Resp: 437121
Ion Ratio Lower Upper
43 100
58 40.9 32.5 48.7
85 17.7 14.4 21.6





#59
2-Hexanone
Concen: 258.414 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

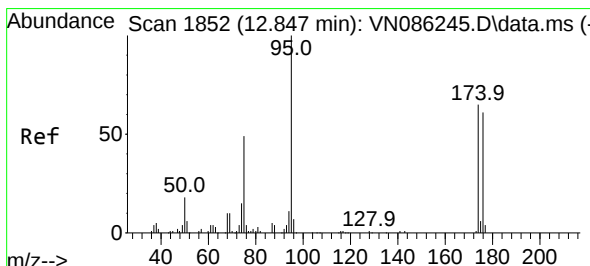
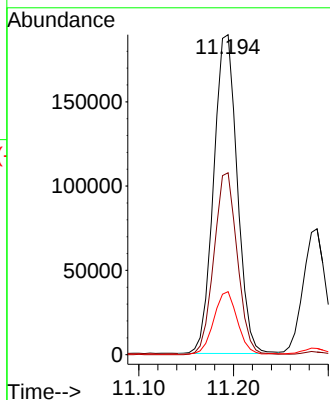
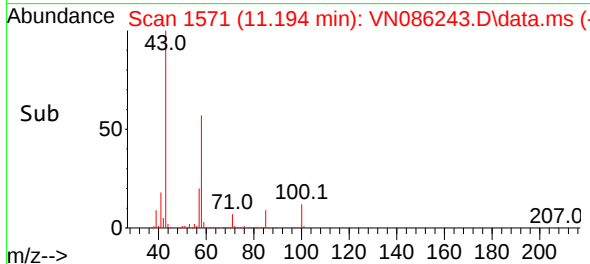
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 43 Resp: 327089
Ion Ratio Lower Upper
43 100
58 56.6 45.3 67.9
57 19.4 15.8 23.6

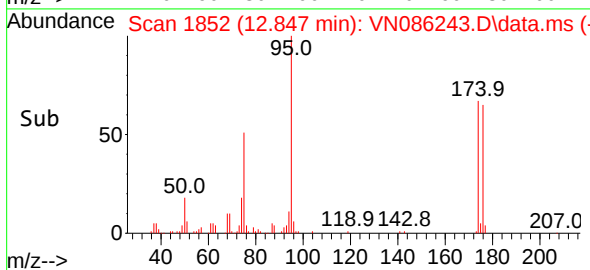
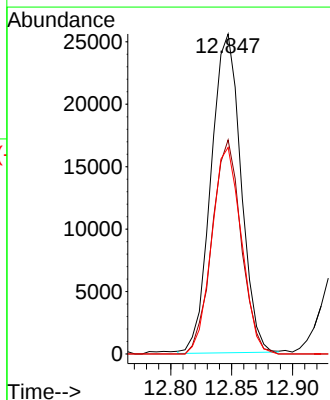
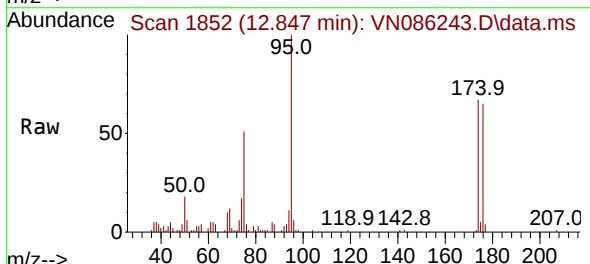
Manual Integrations
APPROVED

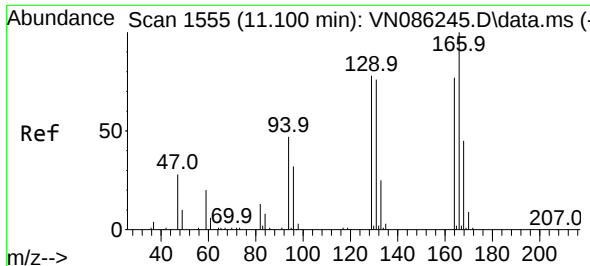
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#60
4-Bromofluorobenzene
Concen: 29.242 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

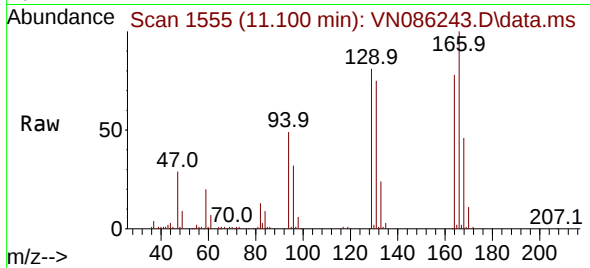
Tgt Ion: 95 Resp: 43610
Ion Ratio Lower Upper
95 100
174 65.2 52.7 79.1
176 64.1 49.8 74.8





#61
Tetrachloroethene
Concen: 51.473 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

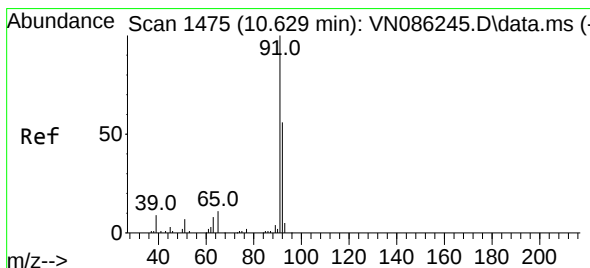
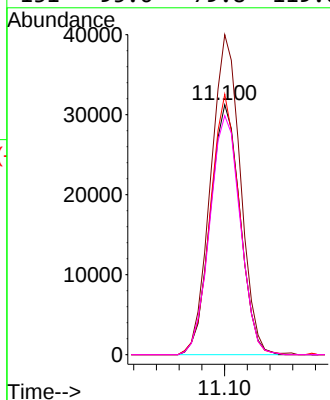
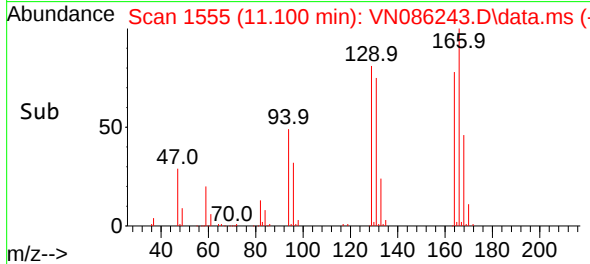
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:164 Resp: 56938
Ion Ratio Lower Upper
164 100
166 128.0 104.5 156.7
129 104.2 81.7 122.5
131 95.6 79.8 119.6

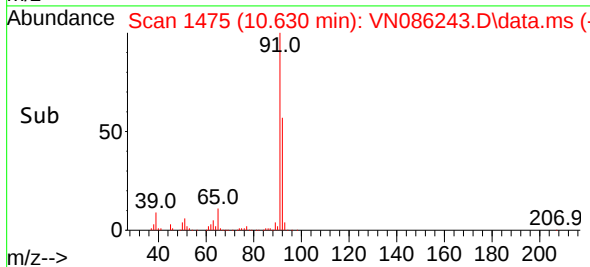
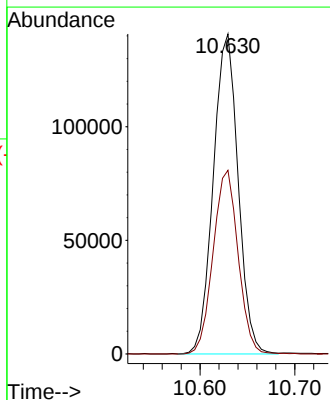
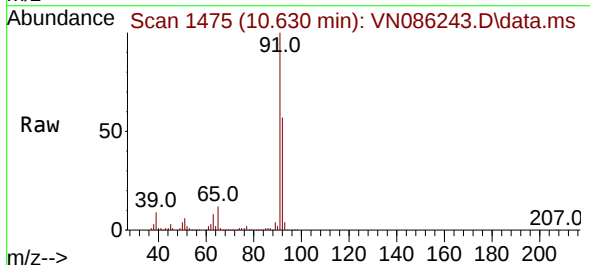
Manual Integrations
APPROVED

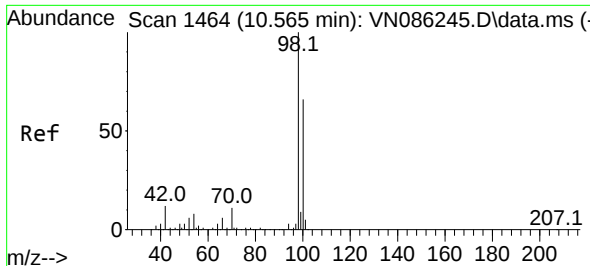
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#62
Toluene
Concen: 51.077 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

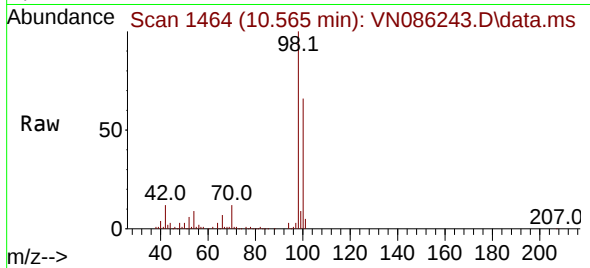
Tgt Ion: 91 Resp: 256618
Ion Ratio Lower Upper
91 100
92 57.8 46.8 70.2





#63
Toluene-d8
Concen: 29.990 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

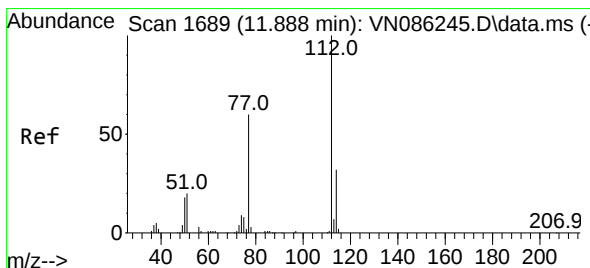
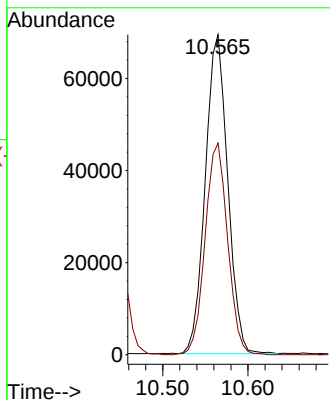
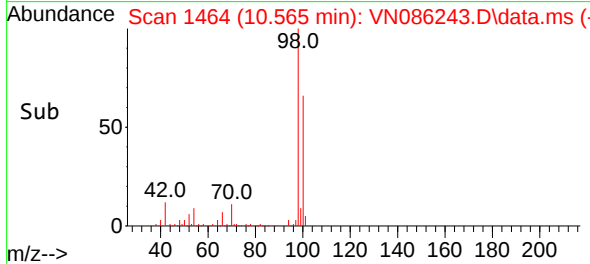
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



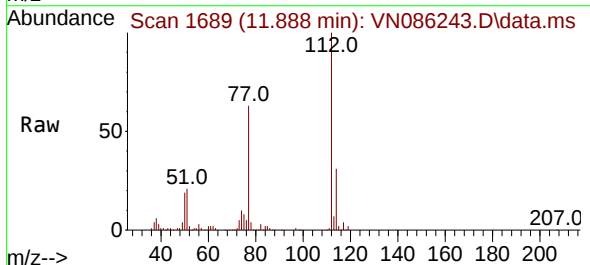
Tgt Ion: 98 Resp: 126824
Ion Ratio Lower Upper
98 100
100 66.5 52.3 78.5

Manual Integrations
APPROVED

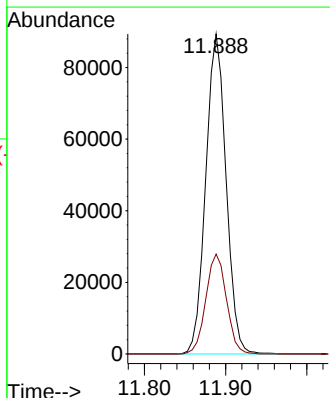
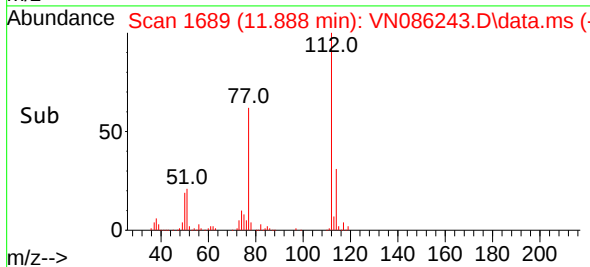
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

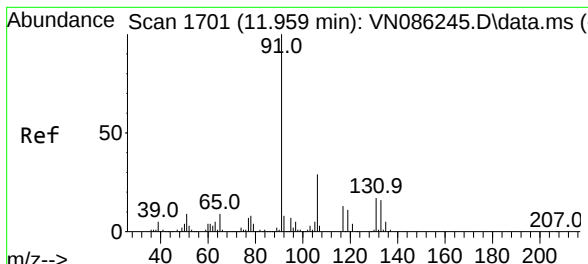


#64
Chlorobenzene
Concen: 50.635 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28



Tgt Ion:112 Resp: 155427
Ion Ratio Lower Upper
112 100
114 31.2 25.8 38.6





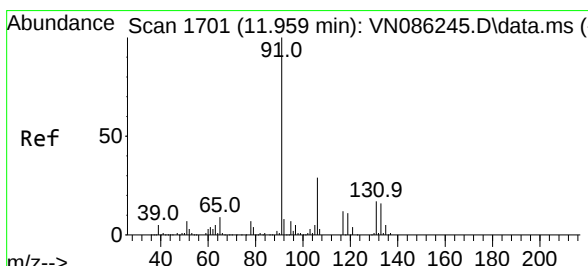
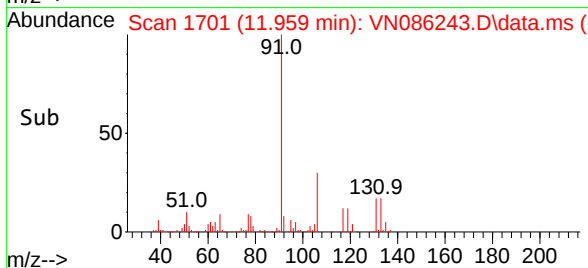
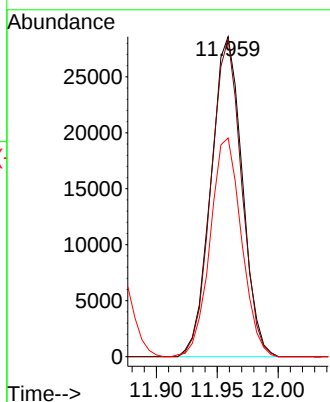
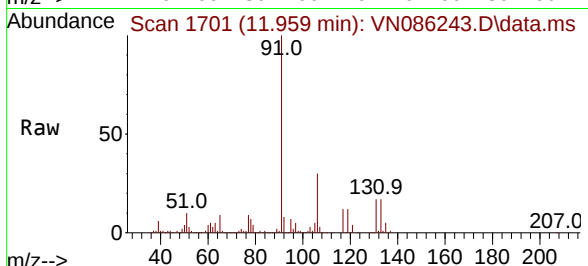
#65
 1,1,1,2-Tetrachloroethane
 Concen: 50.317 ug/l
 RT: 11.959 min Scan# 1701
 Delta R.T. 0.000 min
 Lab File: VN086243.D
 Acq: 11 Apr 2025 11:28

Instrument : MSVOA_N
 ClientSampleId : VSTDIC050

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.8	0.0	190.4
119	68.4	0.0	135.6

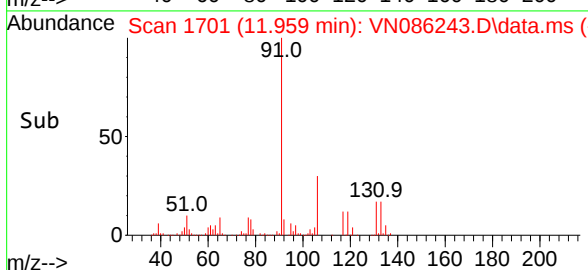
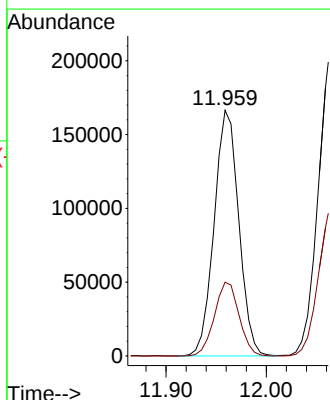
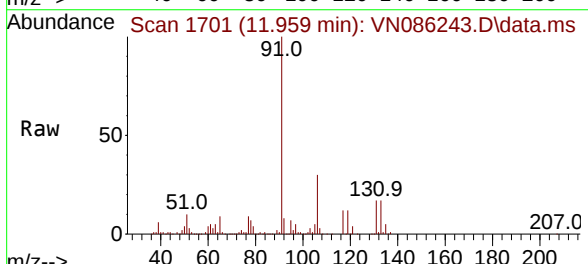
Manual Integrations
 APPROVED

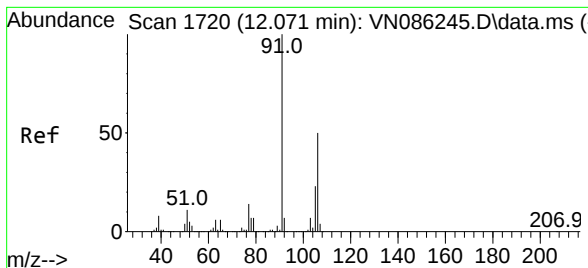
Reviewed By :John Carlone 04/14/2025
 Supervised By :Mahesh Dadoda 04/14/2025



#66
 Ethyl Benzene
 Concen: 50.895 ug/l
 RT: 11.959 min Scan# 1701
 Delta R.T. 0.000 min
 Lab File: VN086243.D
 Acq: 11 Apr 2025 11:28

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.4	35.0





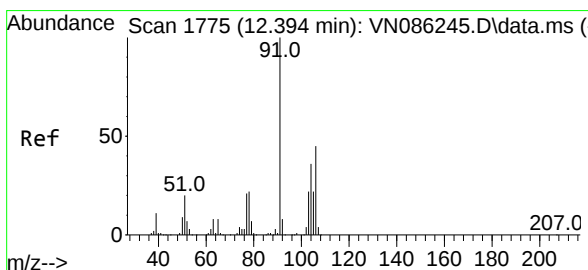
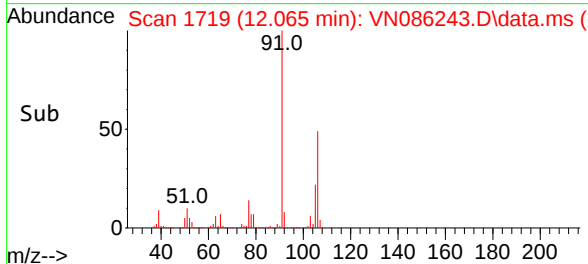
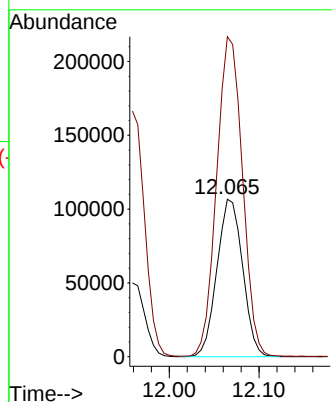
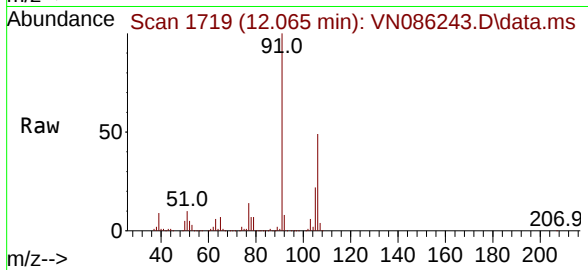
#67
m/p-Xylenes
Concen: 102.399 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:106 Resp: 212152
Ion Ratio Lower Upper
106 100
91 204.0 164.5 246.7

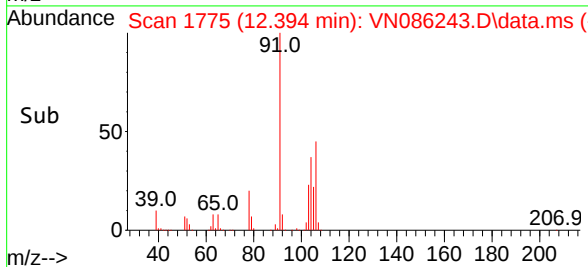
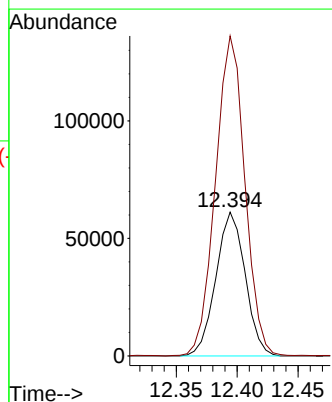
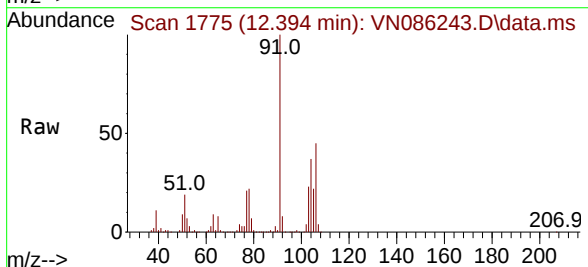
Manual Integrations
APPROVED

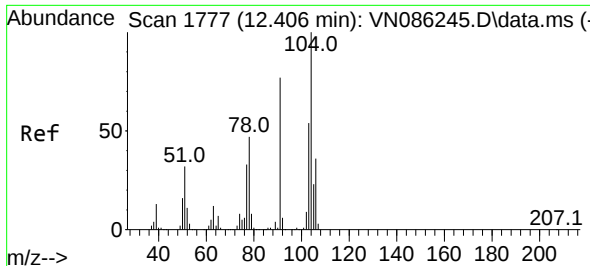
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#68
o-Xylene
Concen: 50.283 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

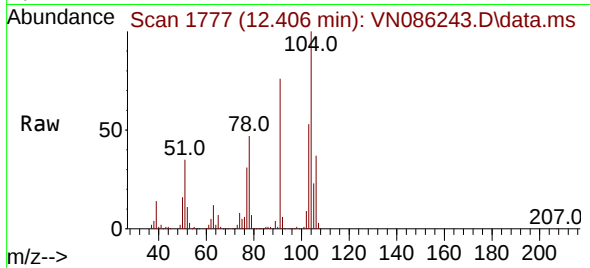
Tgt Ion:106 Resp: 102469
Ion Ratio Lower Upper
106 100
91 223.5 109.8 329.4





#69
Styrene
Concen: 51.119 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

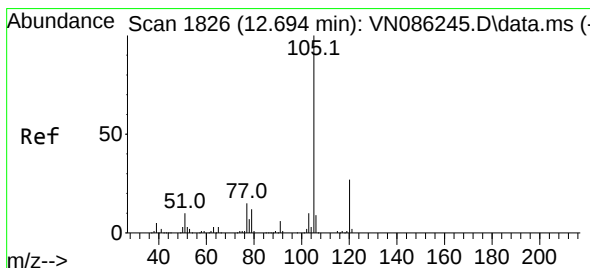
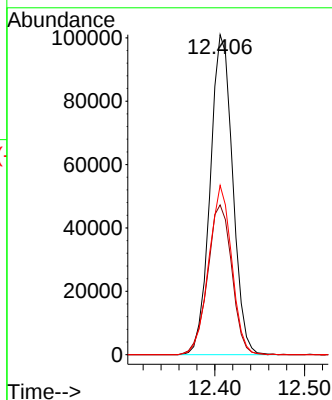
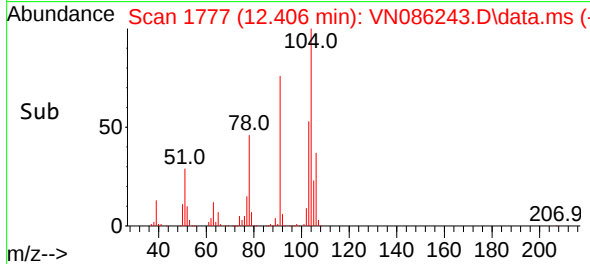
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:104 Resp: 175686
Ion Ratio Lower Upper
104 100
78 50.4 41.4 62.0
103 53.9 44.2 66.4

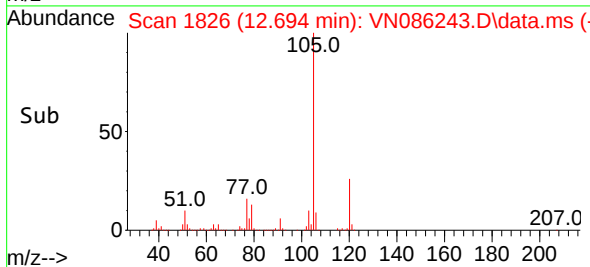
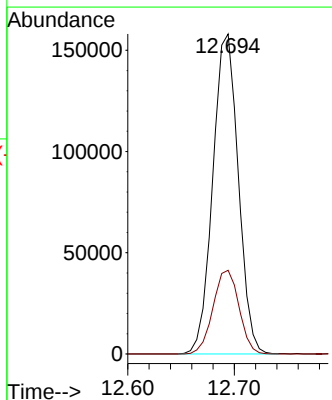
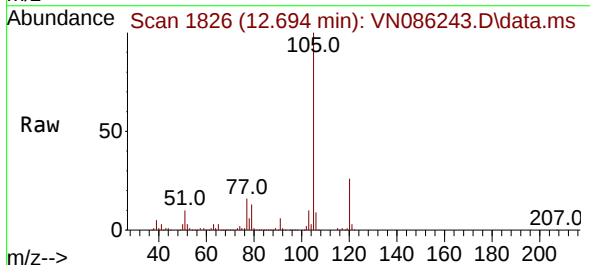
Manual Integrations
APPROVED

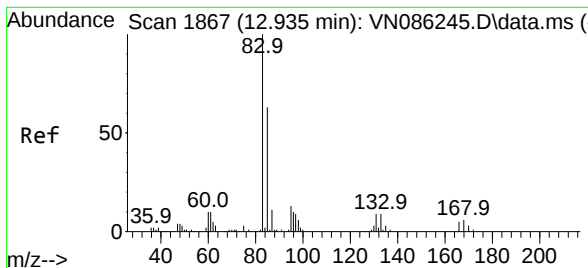
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#70
Isopropylbenzene
Concen: 52.280 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Tgt Ion:105 Resp: 262686
Ion Ratio Lower Upper
105 100
120 26.6 18.3 34.1





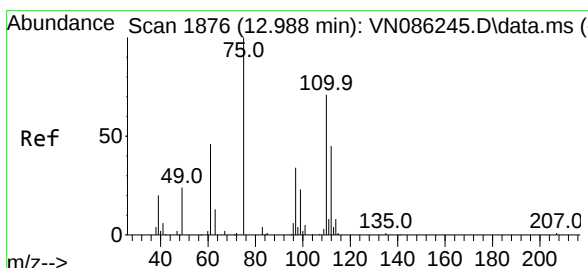
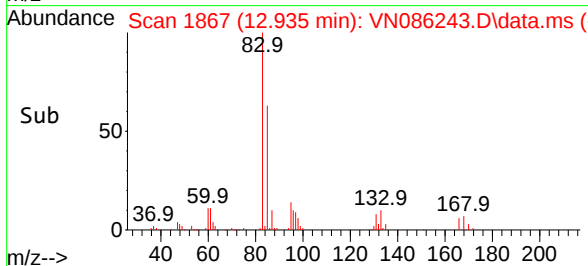
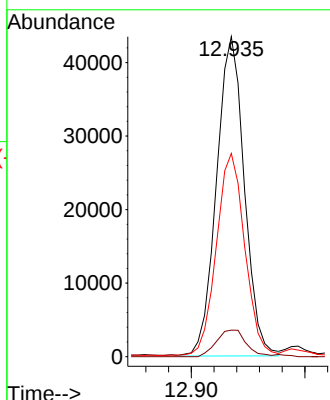
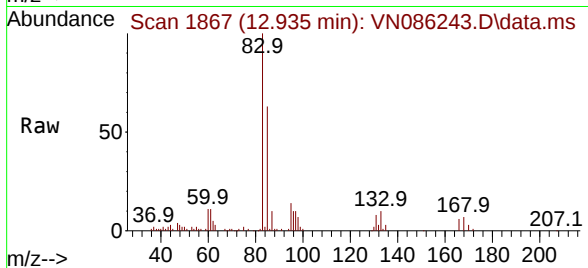
#71
1,1,2,2-Tetrachloroethane
Concen: 51.739 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 83 Resp: 73990
Ion Ratio Lower Upper
83 100
131 8.9 4.8 14.3
85 65.6 32.3 96.8

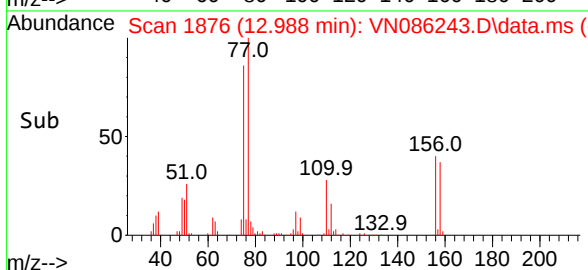
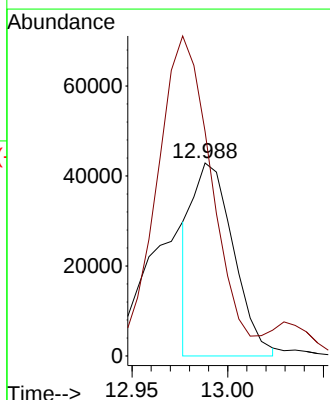
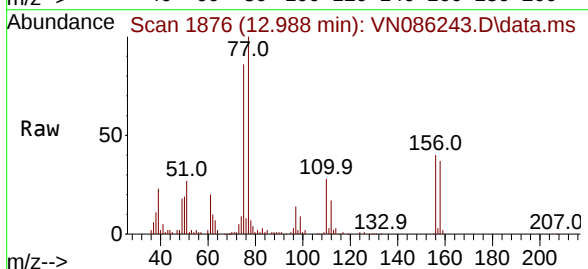
Manual Integrations
APPROVED

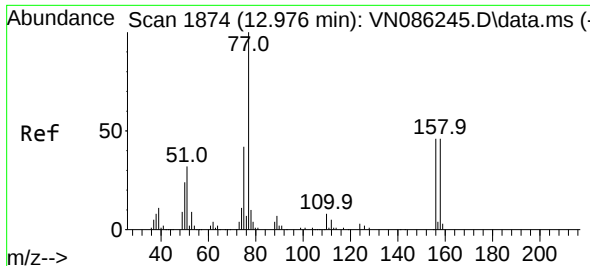
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#72
1,2,3-Trichloropropane
Concen: 31.547 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Tgt Ion: 75 Resp: 63875
Ion Ratio Lower Upper
75 100
77 220.4 0.0 380.0





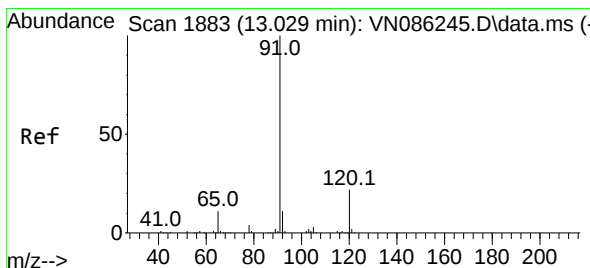
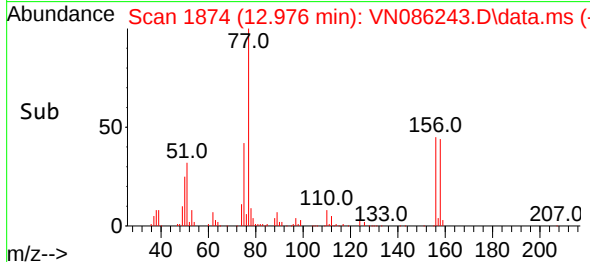
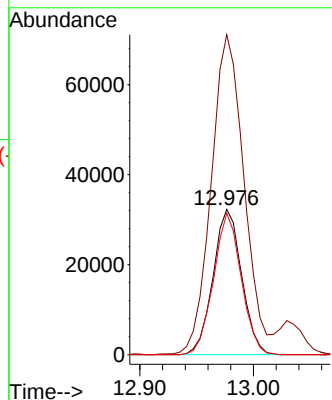
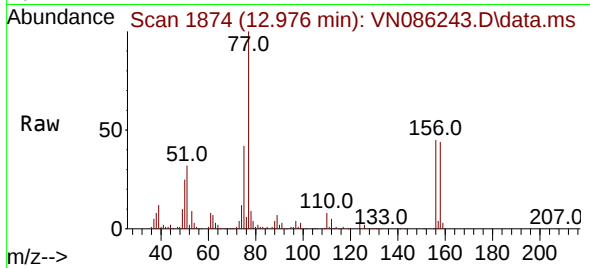
#73
Bromobenzene
Concen: 50.690 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:156 Resp: 5642
Ion Ratio Lower Upper
156 100
77 249.5 0.0 505.2
158 94.3 0.0 195.0

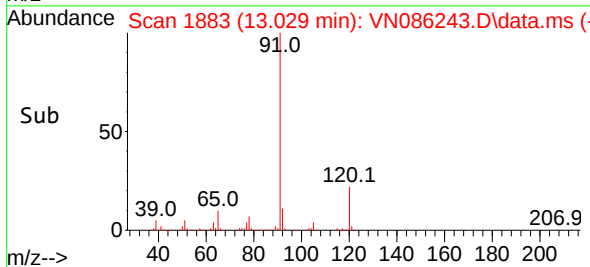
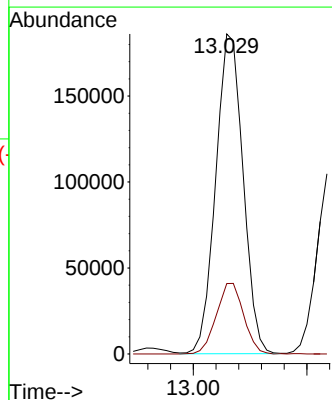
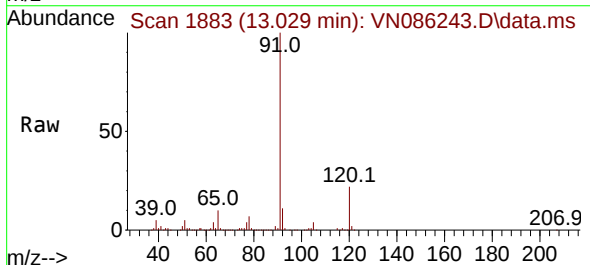
Manual Integrations
APPROVED

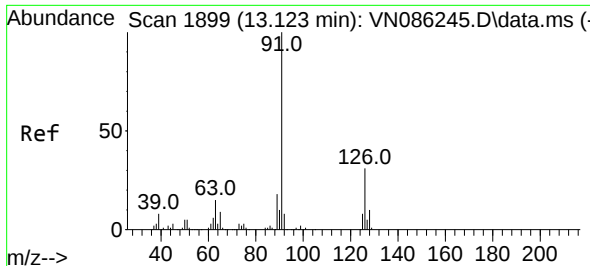
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#74
n-propylbenzene
Concen: 52.259 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Tgt Ion: 91 Resp: 310970
Ion Ratio Lower Upper
91 100
120 22.0 0.0 44.0





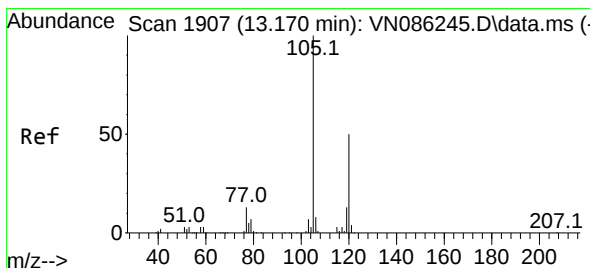
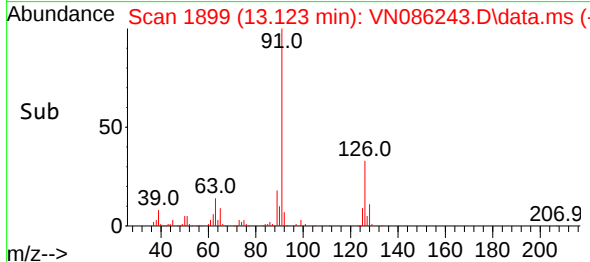
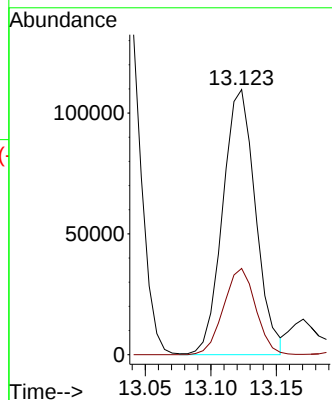
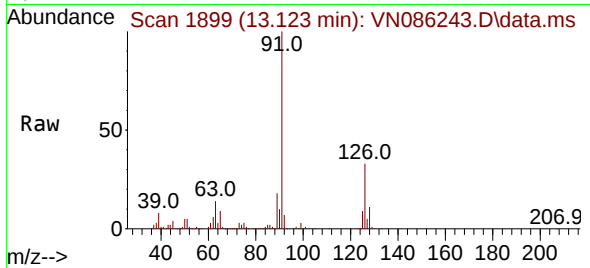
#75
2-Chlorotoluene
Concen: 51.337 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 91 Resp: 19145
Ion Ratio Lower Upper
91 100
126 31.7 0.0 63.4

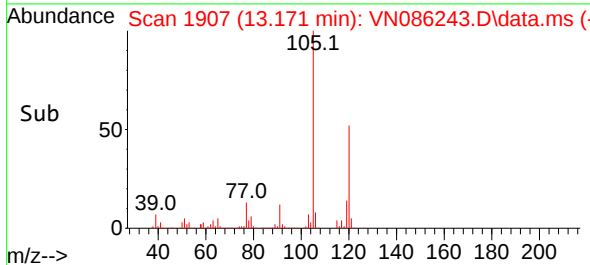
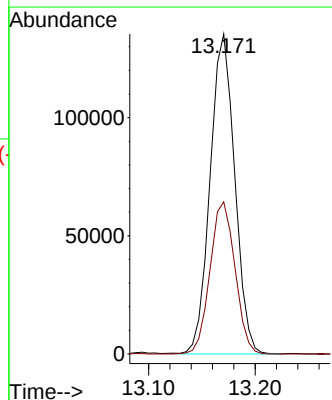
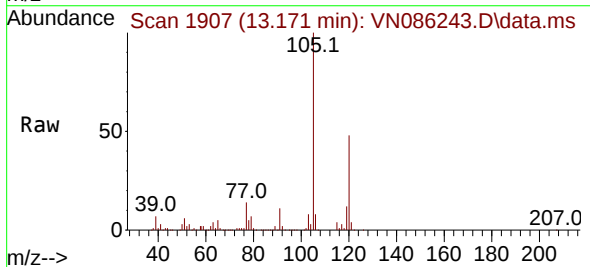
Manual Integrations
APPROVED

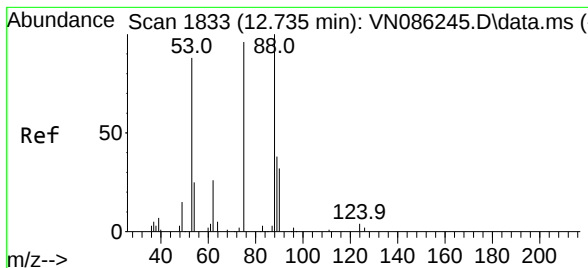
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#76
1,3,5-Trimethylbenzene
Concen: 52.644 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Tgt Ion:105 Resp: 217288
Ion Ratio Lower Upper
105 100
120 48.2 0.0 98.0





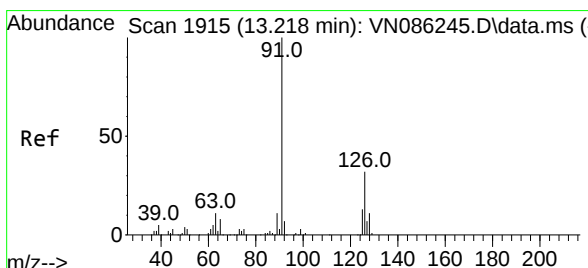
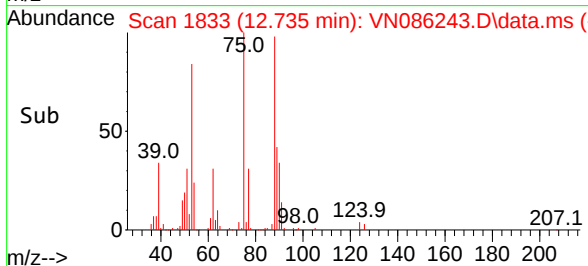
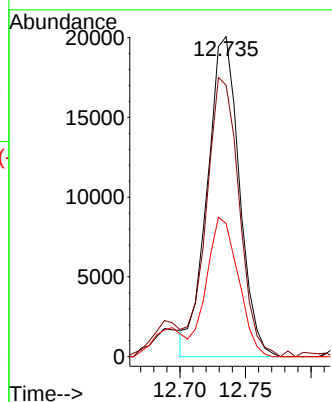
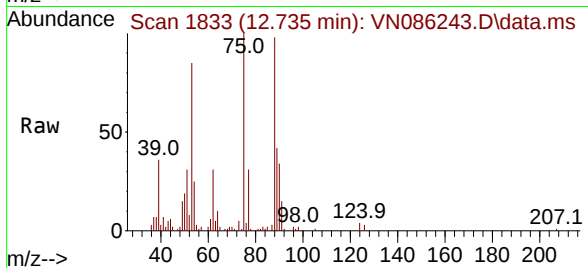
#77
t-1,4-Dichloro-2-butene
Concen: 49.787 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 75 Resp: 34170
Ion Ratio Lower Upper
75 100
53 84.8 46.4 139.2
89 41.6 22.5 67.5

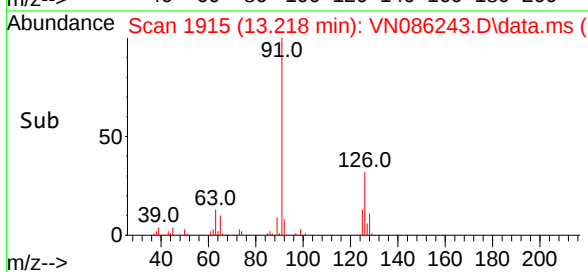
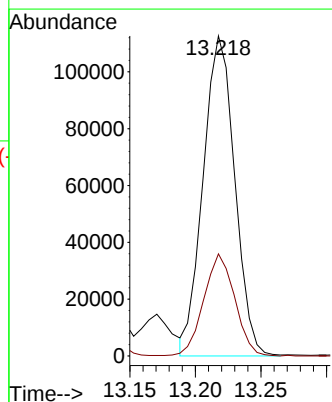
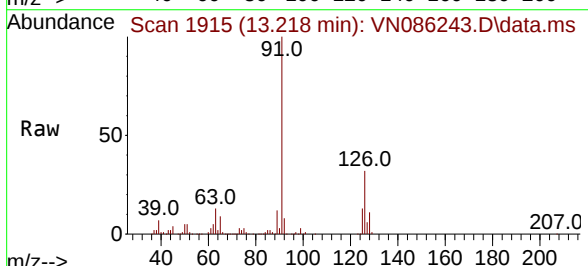
Manual Integrations
APPROVED

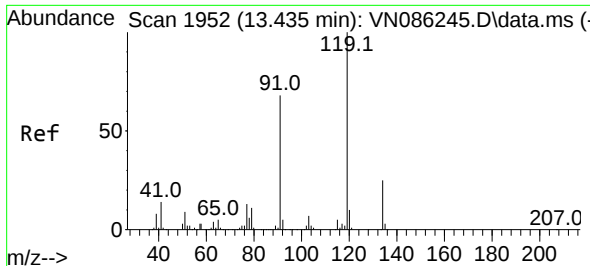
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#78
4-Chlorotoluene
Concen: 50.779 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Tgt Ion: 91 Resp: 189125
Ion Ratio Lower Upper
91 100
126 31.2 0.0 63.2





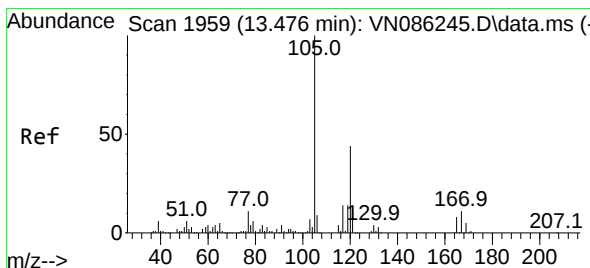
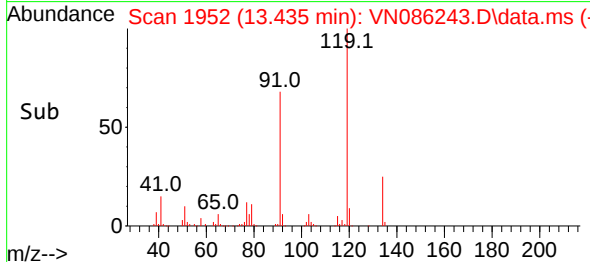
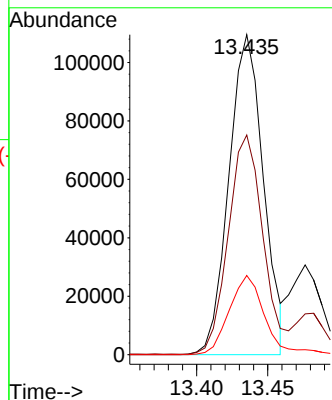
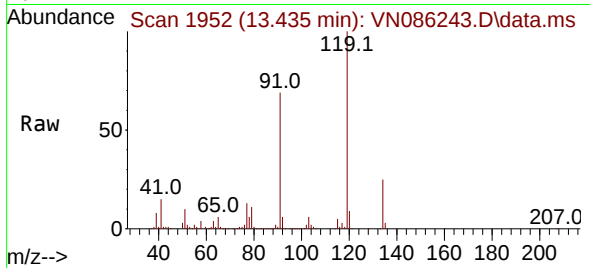
#79
tert-butylbenzene
Concen: 51.819 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:119 Resp: 185070
Ion Ratio Lower Upper
119 100
91 69.4 0.0 136.6
134 25.5 0.0 49.4

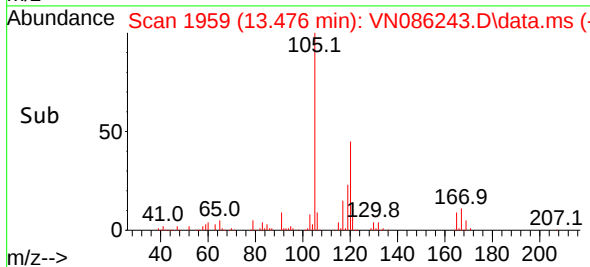
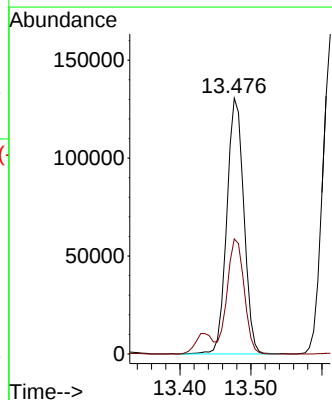
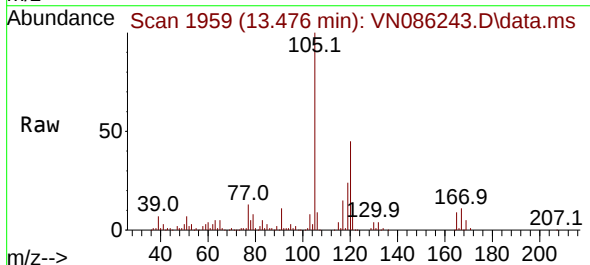
Manual Integrations
APPROVED

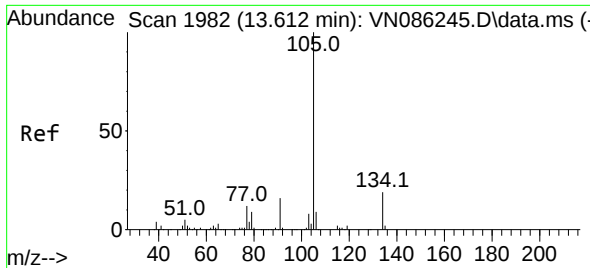
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#80
1,2,4-Trimethylbenzene
Concen: 51.911 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Tgt Ion:105 Resp: 217265
Ion Ratio Lower Upper
105 100
120 44.5 0.0 91.0





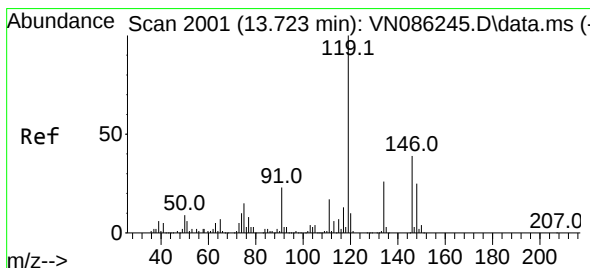
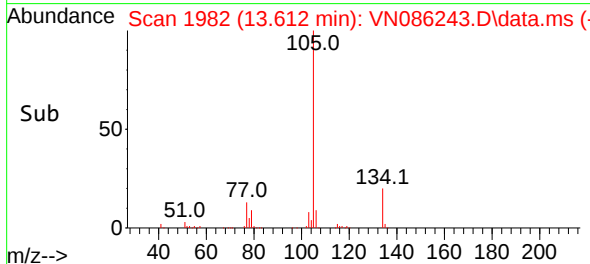
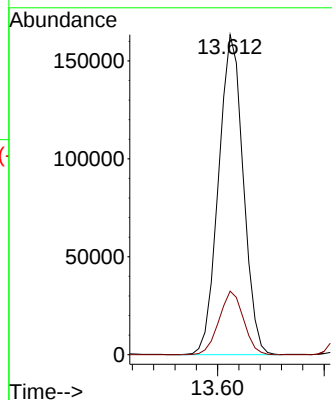
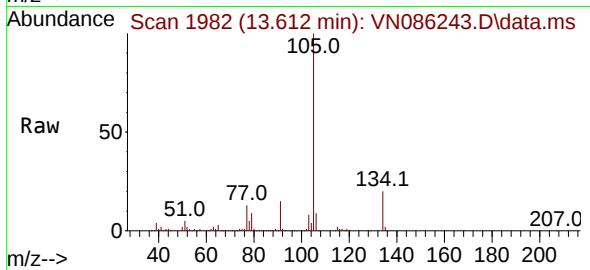
#81
 sec-Butylbenzene
 Concen: 52.809 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN086243.D
 Acq: 11 Apr 2025 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion:105 Resp: 26309
 Ion Ratio Lower Upper
 105 100
 134 19.6 0.0 38.6

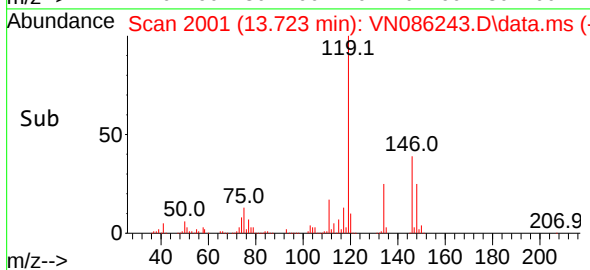
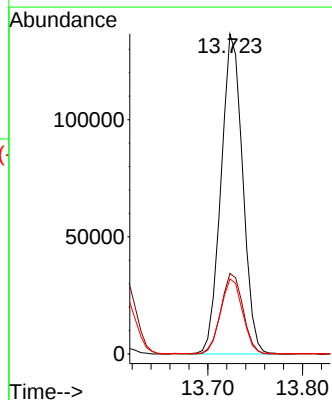
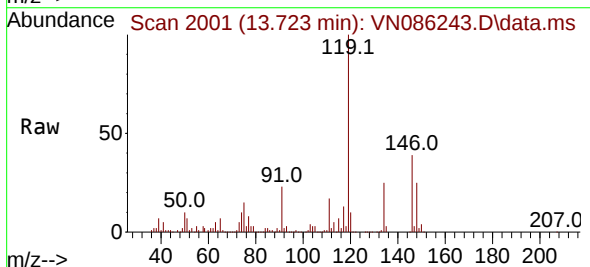
Manual Integrations
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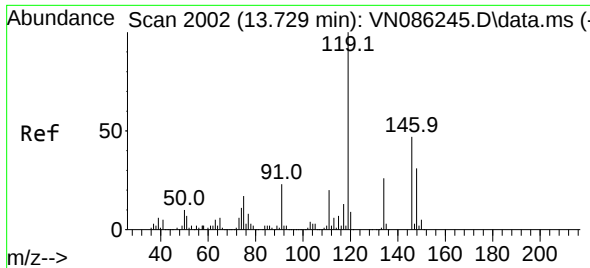
Reviewed By :John Carlone 04/14/2025
 Supervised By :Mahesh Dadoda 04/14/2025



#82
 p-Isopropyltoluene
 Concen: 52.193 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: VN086243.D
 Acq: 11 Apr 2025 11:28

Tgt Ion:119 Resp: 216916
 Ion Ratio Lower Upper
 119 100
 134 25.6 0.0 51.6
 91 24.1 0.0 48.2





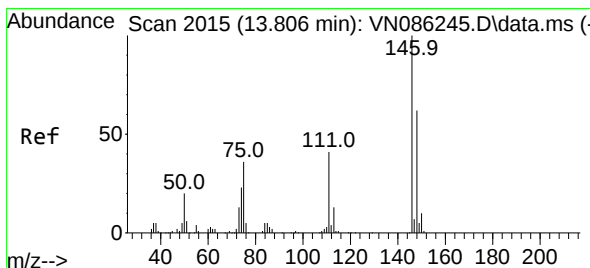
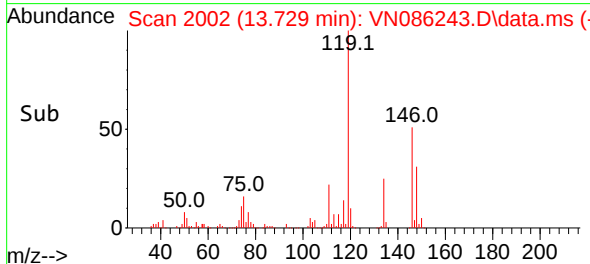
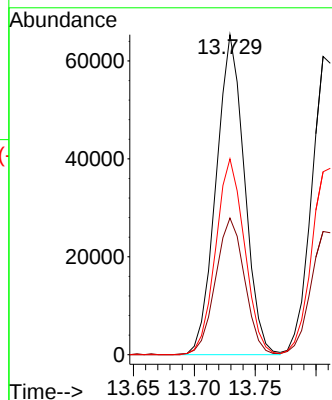
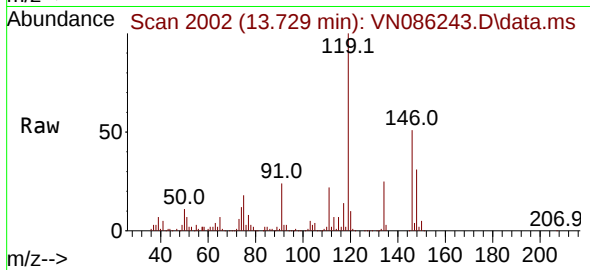
#83
1,3-Dichlorobenzene
Concen: 51.262 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:146 Resp: 106054
Ion Ratio Lower Upper
146 100
111 43.8 21.7 65.1
148 62.2 32.3 96.8

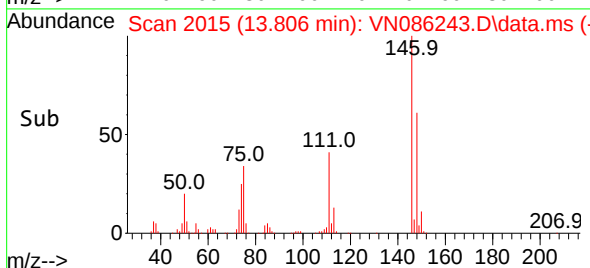
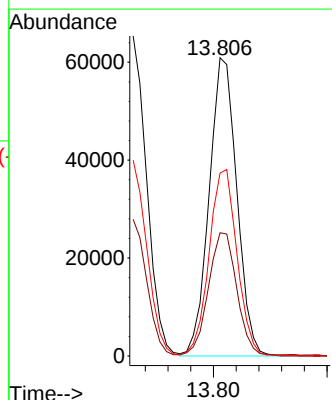
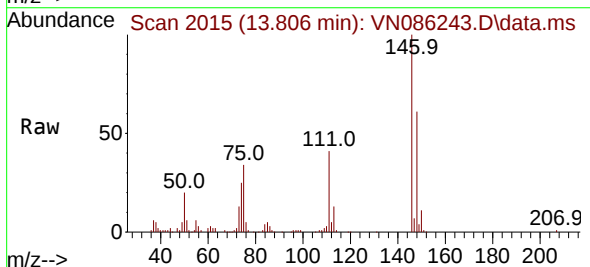
Manual Integrations
APPROVED

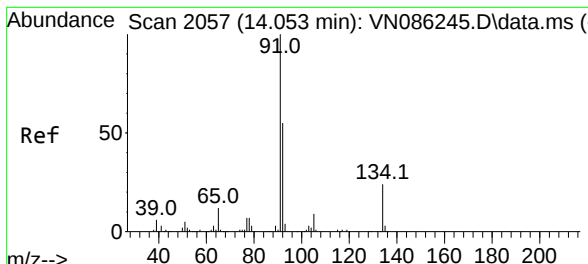
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#84
1,4-Dichlorobenzene
Concen: 49.731 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Tgt Ion:146 Resp: 103216
Ion Ratio Lower Upper
146 100
111 42.5 20.8 62.4
148 63.1 31.9 95.5





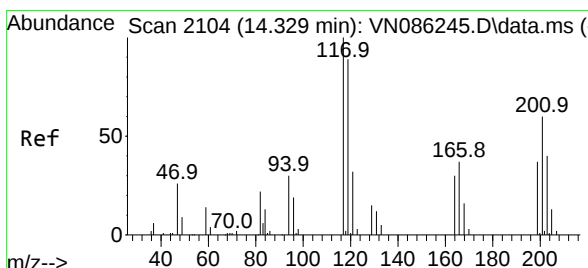
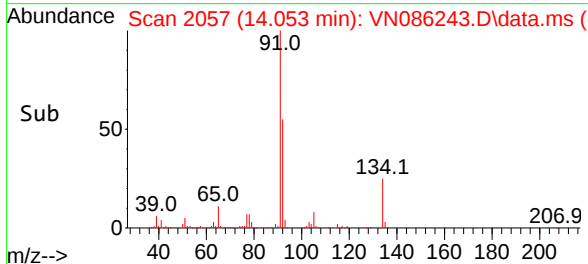
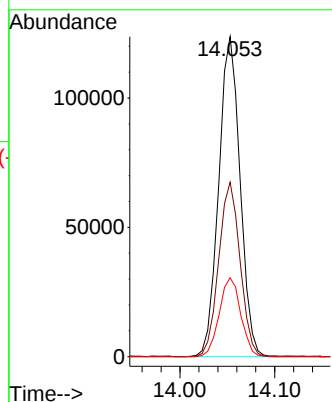
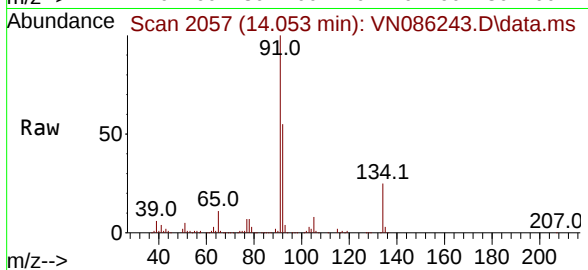
#85
n-Butylbenzene
Concen: 51.752 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 91 Resp: 19403
Ion Ratio Lower Upper
91 100
92 54.5 0.0 109.4
134 24.8 0.0 48.2

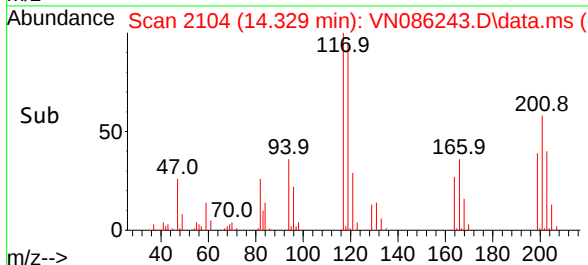
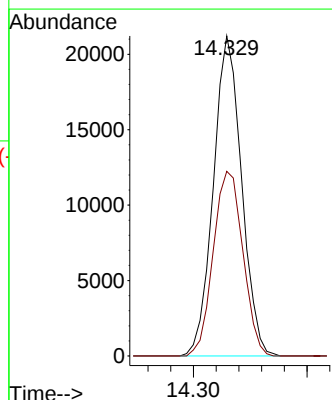
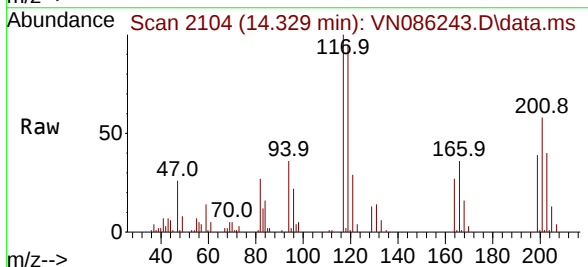
Manual Integrations
APPROVED

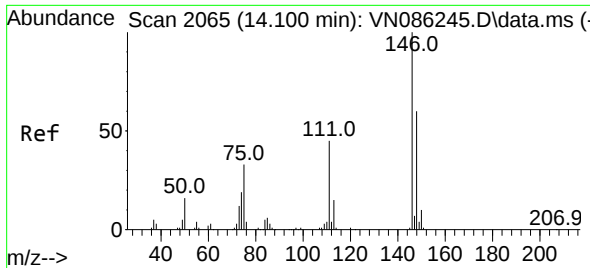
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#86
Hexachloroethane
Concen: 52.184 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Tgt Ion:117 Resp: 36584
Ion Ratio Lower Upper
117 100
201 60.6 30.9 92.8





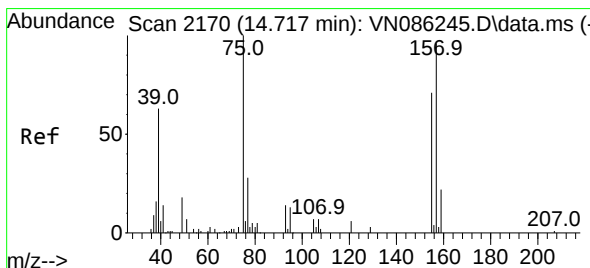
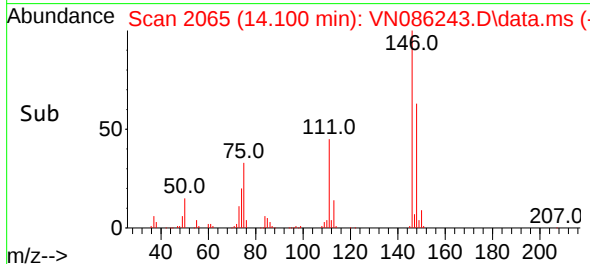
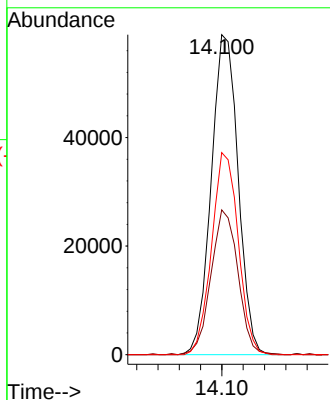
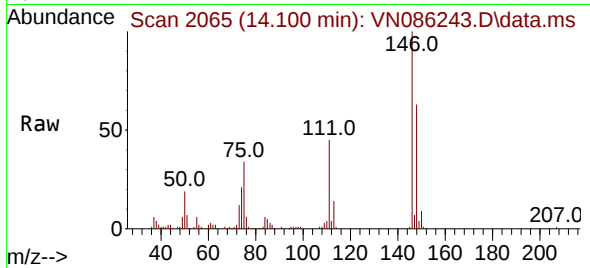
#87
1,2-Dichlorobenzene
Concen: 50.535 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:146 Resp: 103230
Ion Ratio Lower Upper
146 100
111 45.5 22.7 68.0
148 62.5 31.8 95.3

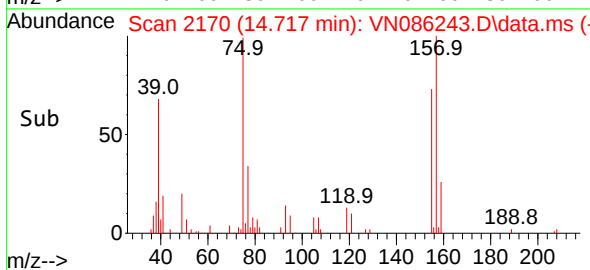
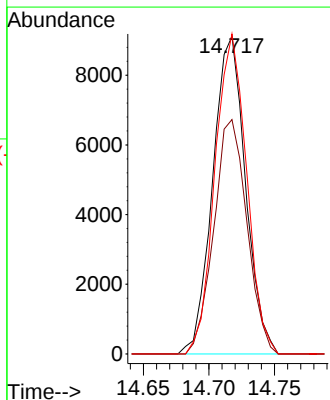
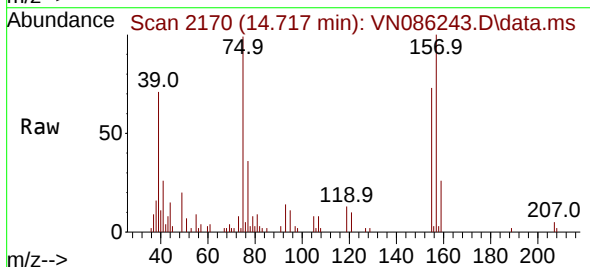
Manual Integrations
APPROVED

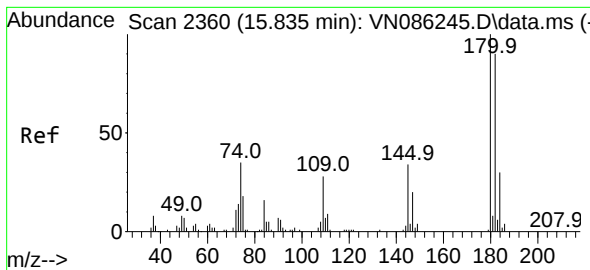
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 48.608 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

Tgt Ion: 75 Resp: 15834
Ion Ratio Lower Upper
75 100
155 74.5 60.3 90.5
157 97.2 79.0 118.4





#89

1,2,4-Trichlorobenzene

Concen: 51.363 ug/l

RT: 15.835 min Scan# 2105

Delta R.T. 0.000 min

Lab File: VN086243.D

Acq: 11 Apr 2025 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

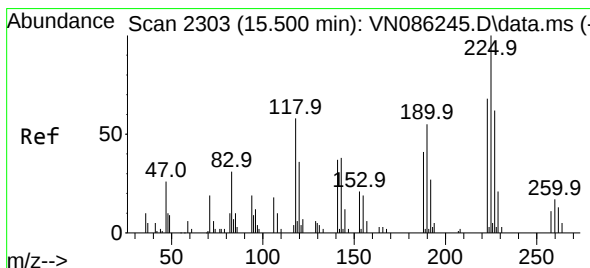
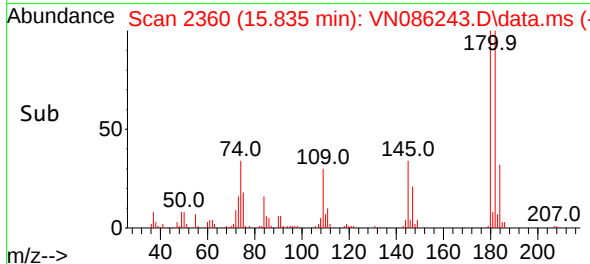
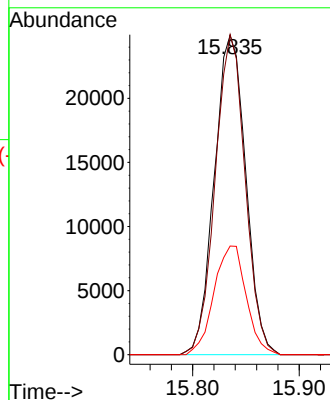
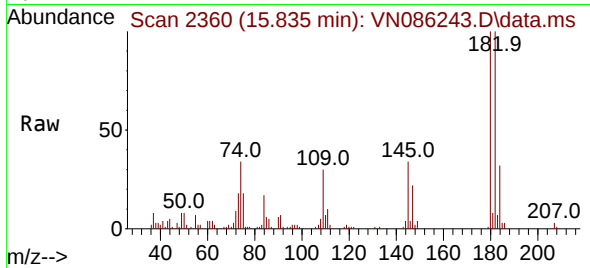
Tgt Ion:	180	Resp:	51050
Ion Ratio	Lower	Upper	
180	100		
182	95.4	75.1	112.7
145	34.9	27.1	40.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/14/2025

Supervised By :Mahesh Dadoda 04/14/2025



#90

Hexachlorobutadiene

Concen: 46.819 ug/l

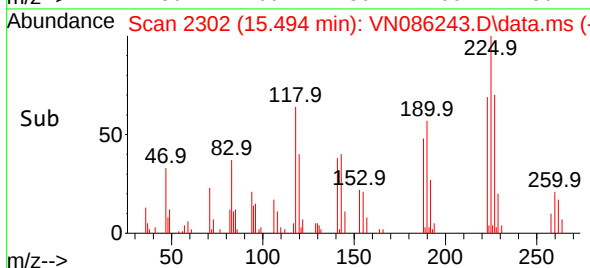
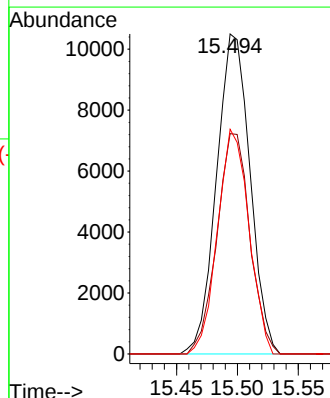
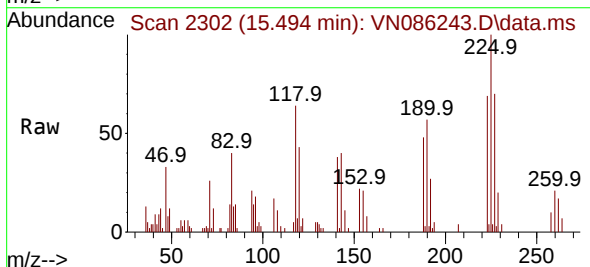
RT: 15.494 min Scan# 2302

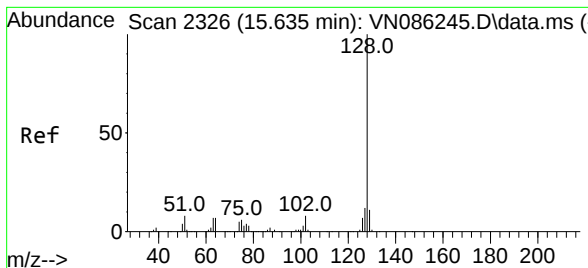
Delta R.T. -0.006 min

Lab File: VN086243.D

Acq: 11 Apr 2025 11:28

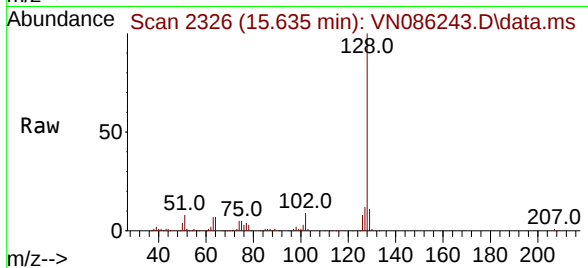
Tgt Ion:	225	Resp:	20092
Ion Ratio	Lower	Upper	
225	100		
223	67.7	0.0	130.0
227	65.8	0.0	123.2





#91
Naphthalene
Concen: 49.447 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28

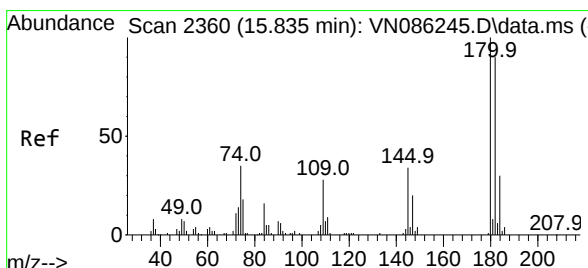
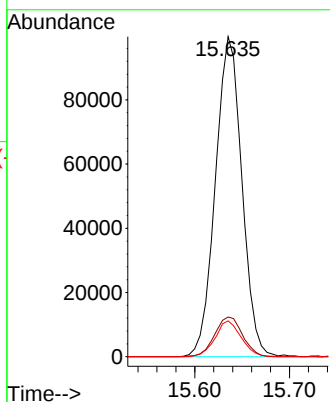
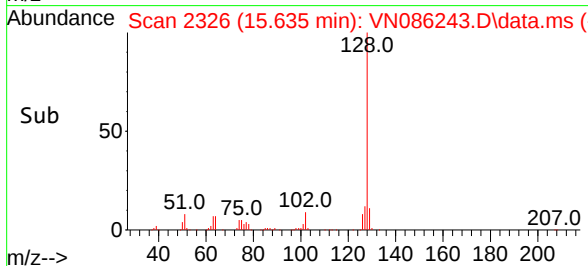
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



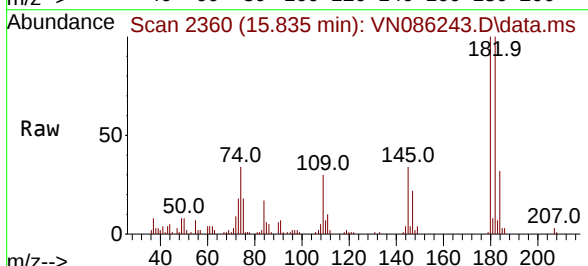
Tgt Ion:128 Resp: 193770
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 11.0 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#92
1,2,3-Trichlorobenzene
Concen: 51.363 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086243.D
Acq: 11 Apr 2025 11:28



Tgt Ion:180 Resp: 51050
Ion Ratio Lower Upper
180 100
182 95.4 0.0 187.8
145 34.9 0.0 67.8

