

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
 Data File : VN085207.D
 Acq On : 16 Dec 2024 09:42
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/16/2024
 Supervised By : Mahesh Dadoda 12/17/2024

Quant Time: Dec 16 12:21:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 06 22:50:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	33412	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	185962	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	170233	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	80133	30.226	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.767%			
60) 4-Bromofluorobenzene	12.847	95	82875	29.423	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.067%			
63) Toluene-d8	10.565	98	235545	29.497	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.333%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	56261	21.047	ug/l	99
3) Chloromethane	2.359	50	49600	20.963	ug/l	97
4) Vinyl Chloride	2.512	62	50136	20.717	ug/l	97
5) Bromomethane	2.965	94	31223	20.321	ug/l	96
6) Chloroethane	3.124	64	32014	21.532	ug/l	92
7) Trichlorofluoromethane	3.506	101	82951	20.940	ug/l	100
8) Diethyl Ether	3.959	74	25301	20.165	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	44657	20.159	ug/l	99
10) 1,1-Dichloroethene	4.342	96	41142	20.219	ug/l	99
11) Methyl Iodide	4.595	142	48050	17.027	ug/l	96
12) Methyl Acetate	5.018	43	46842	19.513	ug/l	98
13) Acrolein	4.177	56	26169	75.017	ug/l	96
14) Acrylonitrile	5.712	53	94996	95.305	ug/l	98
15) Acetone	4.424	58	28736	106.386	ug/l	96
16) Carbon Disulfide	4.706	76	122618	20.161	ug/l	99
17) Allyl chloride	5.024	41	59479	20.428	ug/l	91
18) Methylene Chloride	5.277	84	45057	19.515	ug/l	94
19) trans-1,2-Dichloroethene	5.783	96	42471	20.081	ug/l	92
20) Diisopropyl ether	6.665	45	131789	20.625	ug/l	96
21) 1,1-Dichloroethane	6.565	63	79692	20.207	ug/l #	96
22) cis-1,2-Dichloroethene	7.477	96	49862	20.511	ug/l	99
23) tert-Butyl Alcohol	5.518	59	32619	91.223	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	130198	20.480	ug/l #	75
25) Chloroform	7.959	83	84820	20.530	ug/l	93
26) Cyclohexane	8.253	56	65168	20.069	ug/l #	95
29) 1,1-Dichloropropene	8.365	75	57776	19.254	ug/l	99
30) 2-Butanone	7.477	43	130116	94.489	ug/l	98
31) 2,2-Dichloropropane	7.488	77	76289	19.826	ug/l #	100
32) 1,1,1-Trichloroethane	8.165	97	78244	19.264	ug/l	98
33) Carbon Tetrachloride	8.359	117	69225	18.888	ug/l	99
34) Benzene	8.600	78	181426	19.246	ug/l #	94
35) Methacrylonitrile	7.771	41	28129	18.152	ug/l	96
36) 1,2-Dichloroethane	8.665	62	62153	19.368	ug/l	99
37) Trichloroethene	9.347	130	44782	19.949	ug/l	89
38) Methylcyclohexane	9.600	83	61994	19.000	ug/l	97
39) 1,2-Dichloropropane	9.618	63	43708	19.143	ug/l	98
40) Dibromomethane	9.706	93	31562	19.271	ug/l	98
41) Bromodichloromethane	9.882	83	67723	19.343	ug/l	97
42) Vinyl Acetate	6.600	43	471771	97.906	ug/l	99

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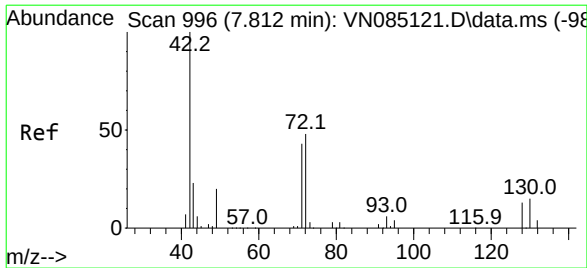
Manual Integrations
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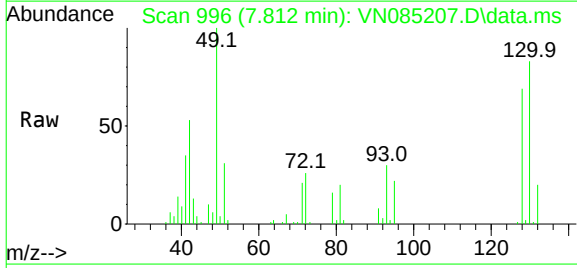
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	49499	18.066	ug/l	96
44) Isopropyl Acetate	8.682	43	89011	18.694	ug/l	100
45) 1,4-Dioxane	9.688	88	15602	392.939	ug/l	95
46) Methyl methacrylate	9.677	41	40601	18.632	ug/l	97
47) n-amyl Acetate	12.494	43	73556	18.361	ug/l	96
48) t-1,3-Dichloropropene	10.829	75	65995	19.202	ug/l	98
49) cis-1,3-Dichloropropene	10.306	75	73124	19.544	ug/l	96
50) 1,1,2-Trichloroethane	11.012	97	42618	19.311	ug/l	96
51) Ethyl methacrylate	10.871	69	62332	18.569	ug/l	96
52) 1,3-Dichloropropane	11.159	76	70887	19.192	ug/l	99
53) Dibromochloromethane	11.359	129	51019	18.970	ug/l	97
54) 1,2-Dibromoethane	11.465	107	42506	19.116	ug/l	99
55) 2-Chloroethyl vinyl ether	10.153	63	122170	78.348	ug/l	99
56) Bromoform	12.570	173	33630	18.650	ug/l	96
58) 4-Methyl-2-Pentanone	10.441	43	254378	91.560	ug/l	97
59) 2-Hexanone	11.194	43	198443	94.267	ug/l	98
61) Tetrachloroethene	11.100	164	40993	19.885	ug/l	89
62) Toluene	10.624	91	193265	19.467	ug/l	99
64) Chlorobenzene	11.888	112	119028	19.419	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	44343	19.379	ug/l	99
66) Ethyl Benzene	11.959	91	207827	19.728	ug/l	97
67) m/p-Xylenes	12.071	106	159560	39.379	ug/l	96
68) o-Xylene	12.394	106	76900	20.208	ug/l	97
69) Styrene	12.406	104	129131	19.998	ug/l	100
70) Isopropylbenzene	12.694	105	196429	20.013	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	56150	18.796	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	45287m	15.346	ug/l	
73) Bromobenzene	12.976	156	48280	19.638	ug/l	98
74) n-propylbenzene	13.029	91	229571	19.456	ug/l	99
75) 2-Chlorotoluene	13.123	91	143192	19.627	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	167597	19.931	ug/l	99
77) t-1,4-Dichloro-2-butene	12.729	75	20254	18.888	ug/l	90
78) 4-Chlorotoluene	13.217	91	144822	19.557	ug/l	99
79) tert-butylbenzene	13.435	119	137376	19.890	ug/l	98
80) 1,2,4-Trimethylbenzene	13.476	105	167722	20.193	ug/l	98
81) sec-Butylbenzene	13.612	105	191002	19.466	ug/l	98
82) p-Isopropyltoluene	13.723	119	161402	19.841	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	86373	19.150	ug/l	100
84) 1,4-Dichlorobenzene	13.806	146	85216	19.386	ug/l	99
85) n-Butylbenzene	14.053	91	132097	19.359	ug/l	98
86) Hexachloroethane	14.335	117	31250	19.297	ug/l	98
87) 1,2-Dichlorobenzene	14.100	146	82331	19.338	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10161	17.026	ug/l	95
89) 1,2,4-Trichlorobenzene	15.835	180	40011	19.190	ug/l	96
90) Hexachlorobutadiene	15.494	225	21664	19.995	ug/l	99
91) Naphthalene	15.635	128	120498	18.602	ug/l	98
92) 1,2,3-Trichlorobenzene	15.835	180	40011	19.190	ug/l	96

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

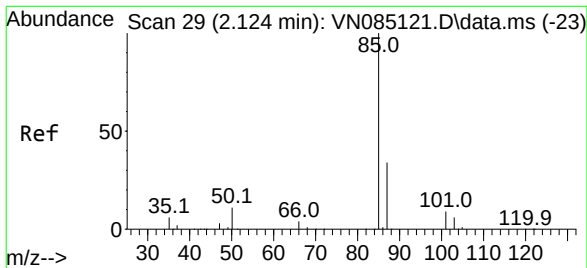
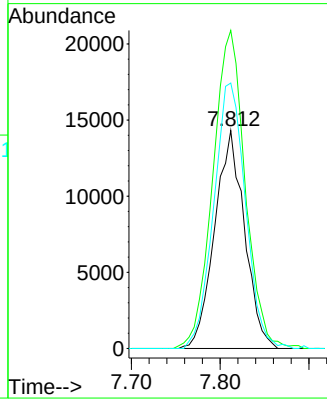
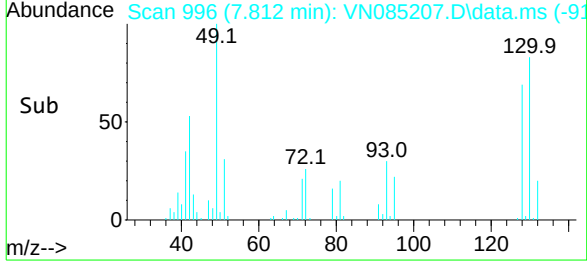
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 128 Resp: 33412
Ion Ratio Lower Upper
128 100
49 157.6 0.0 394.5
130 129.2 0.0 316.5

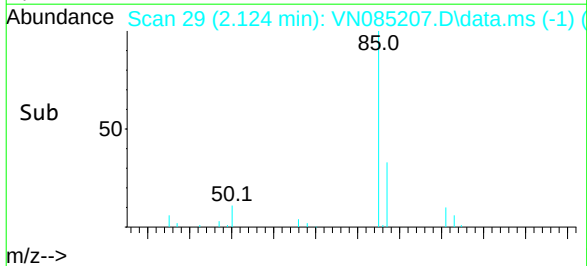
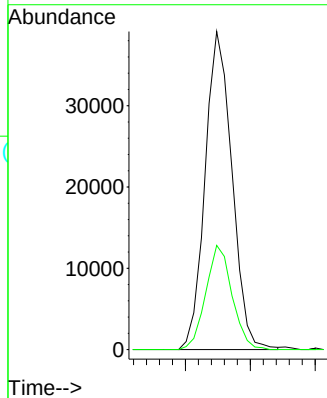
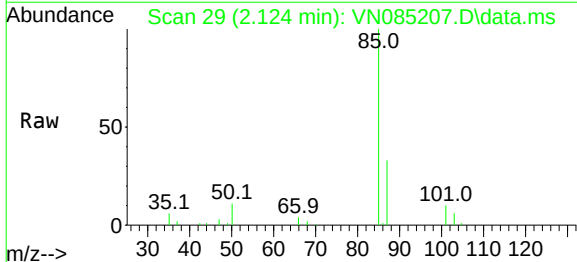
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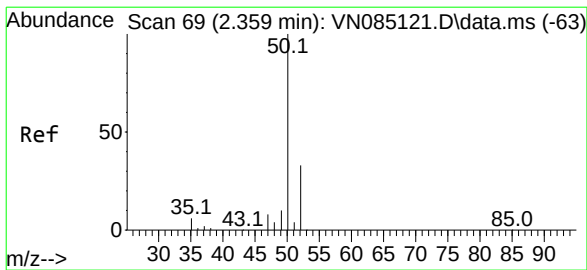
Reviewed By : John Carlone 12/16/2024
Supervised By : Mahesh Dadoda 12/17/2024



#2
Dichlorodifluoromethane
Concen: 21.047 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 85 Resp: 56261
Ion Ratio Lower Upper
85 100
87 32.8 16.8 50.3





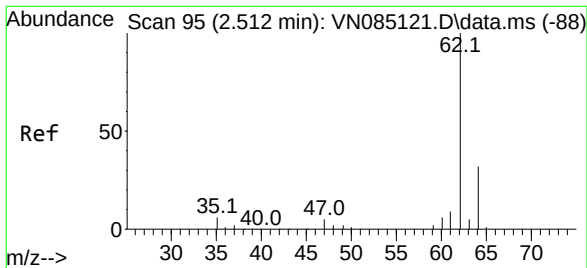
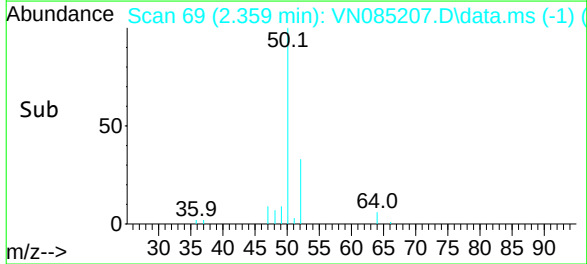
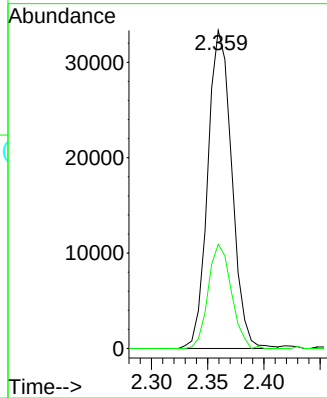
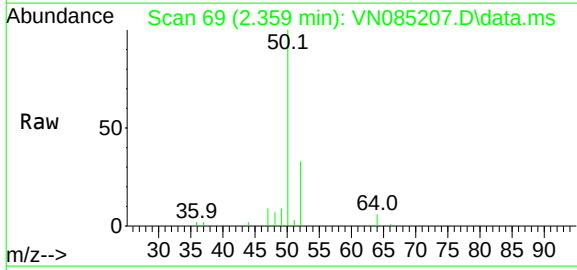
#3
Chloromethane
Concen: 20.963 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 50 Resp: 49600
Ion Ratio Lower Upper
50 100
52 32.8 25.0 37.4

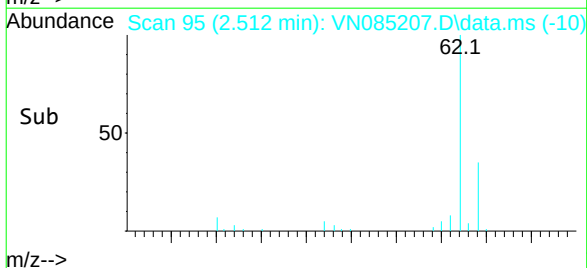
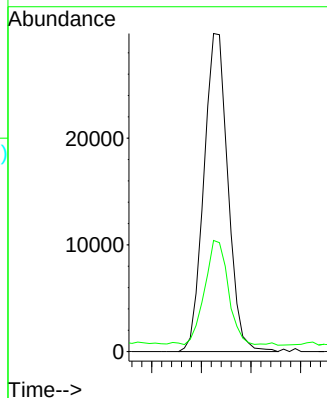
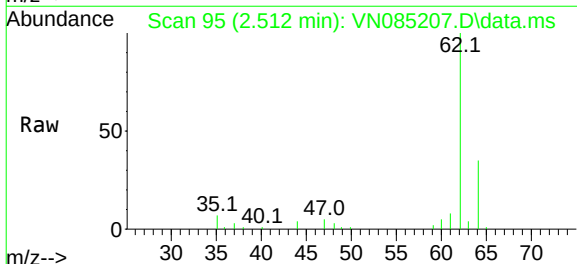
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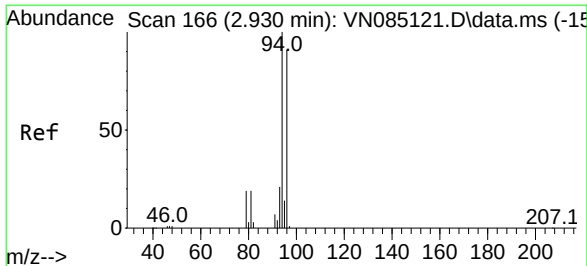
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#4
Vinyl Chloride
Concen: 20.717 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 62 Resp: 50136
Ion Ratio Lower Upper
62 100
64 32.9 24.9 37.3





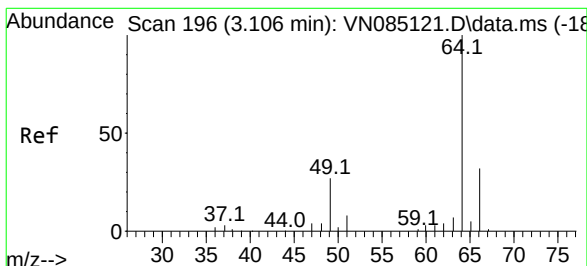
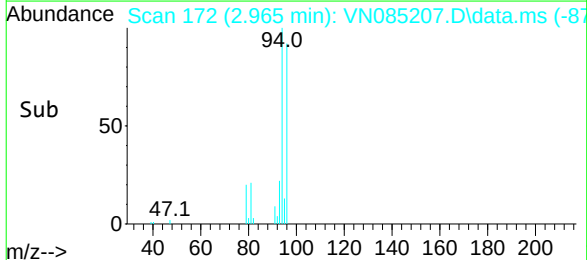
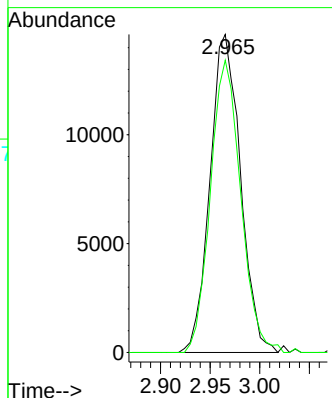
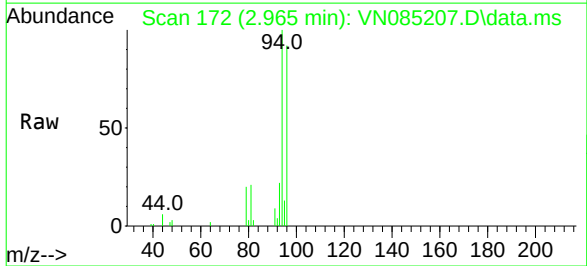
#5
Bromomethane
Concen: 20.321 ug/l
RT: 2.965 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 94 Resp: 31223
Ion Ratio Lower Upper
94 100
96 91.9 76.2 114.4

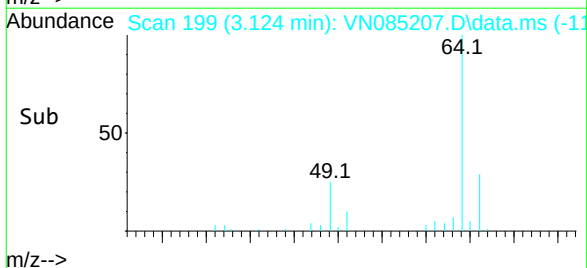
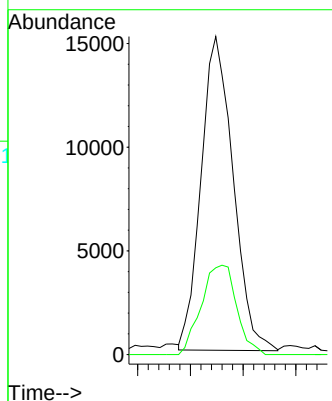
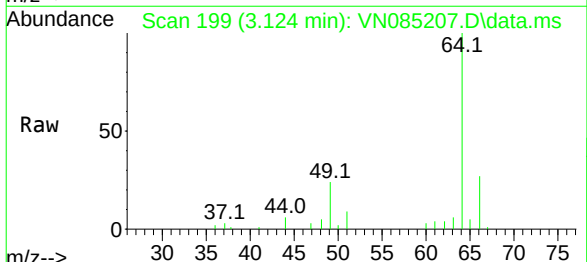
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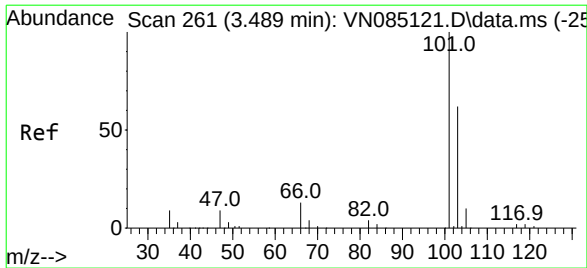
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#6
Chloroethane
Concen: 21.532 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

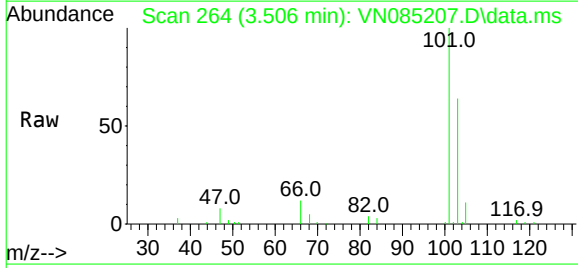
Tgt Ion: 64 Resp: 32014
Ion Ratio Lower Upper
64 100
66 27.7 25.5 38.3





#7
Trichlorofluoromethane
Concen: 20.940 ug/l
RT: 3.506 min Scan# 261
Delta R.T. 0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

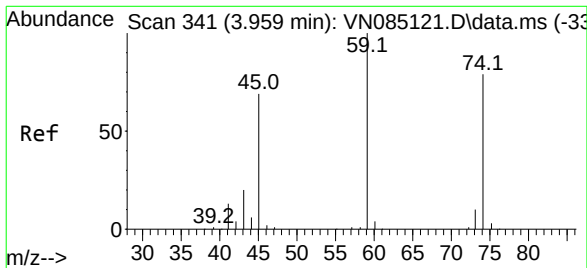
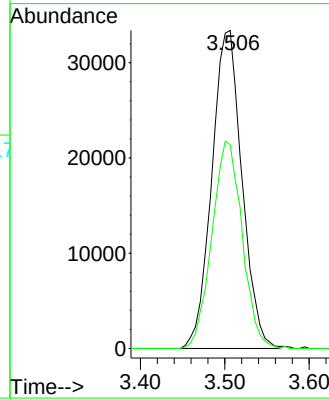
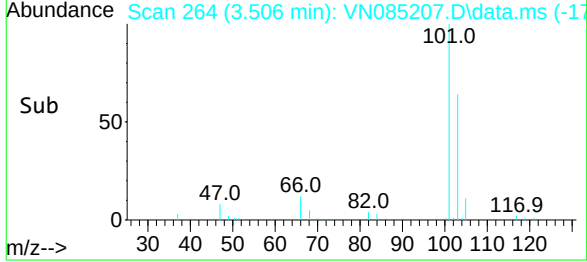
Instrument :
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Tgt Ion: 101 Resp: 82951
Ion Ratio Lower Upper
101 100
103 64.1 51.3 76.9

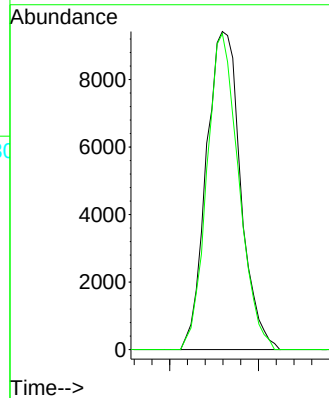
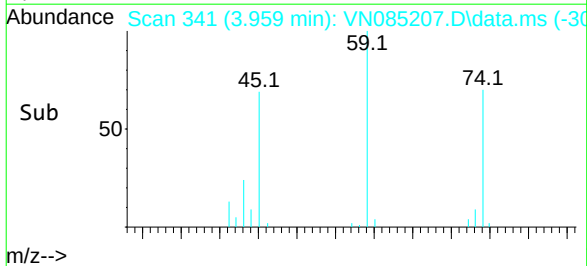
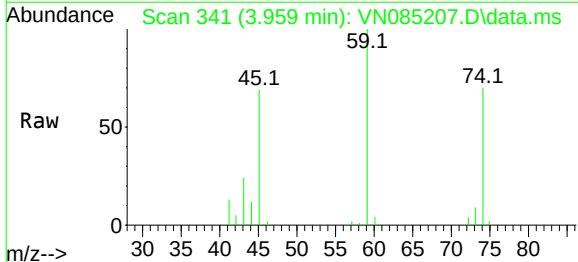
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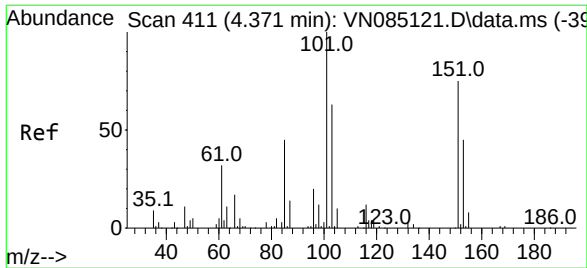
Reviewed By : John Carlone 12/16/2024
Supervised By : Mahesh Dadoda 12/17/2024



#8
Diethyl Ether
Concen: 20.165 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

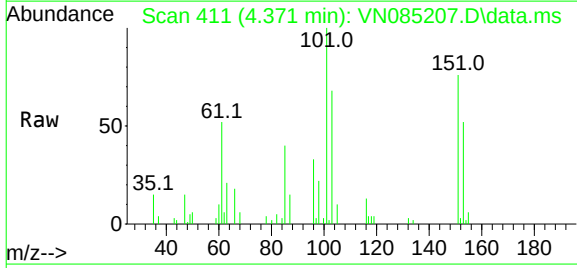
Tgt Ion: 74 Resp: 25301
Ion Ratio Lower Upper
74 100
45 92.2 18.6 167.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.159 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

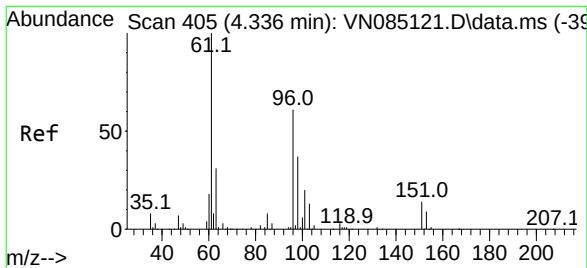
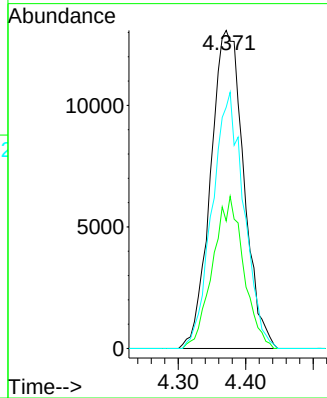
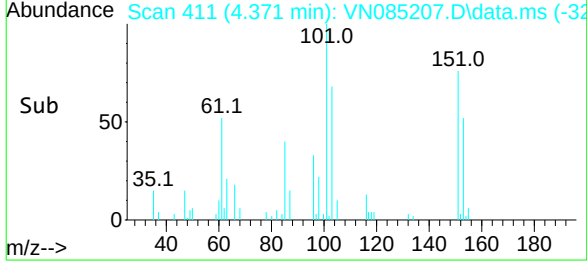
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VSTDCCC020



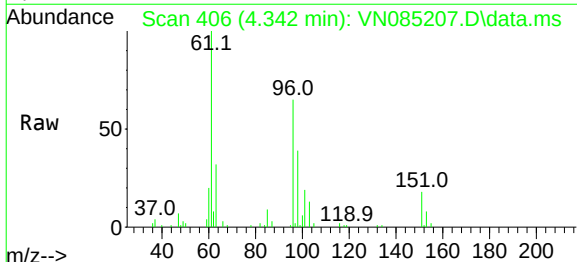
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Ion Ratio Lower Upper
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151 77.2 0.0 155.8

Manual Integrations
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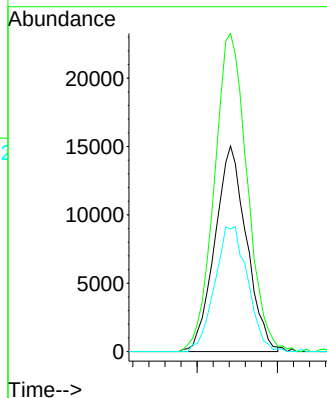
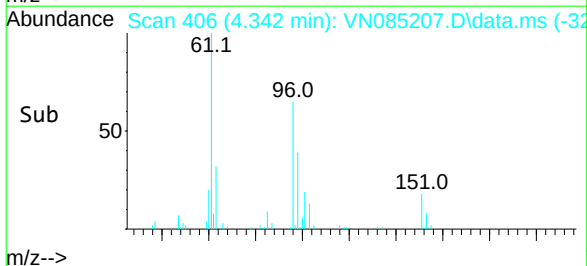
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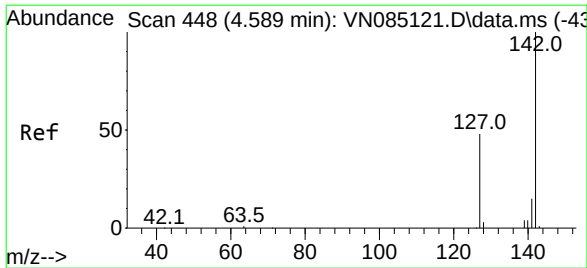


#10
1,1-Dichloroethene
Concen: 20.219 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42



Tgt Ion: 96 Resp: 41142
Ion Ratio Lower Upper
96 100
61 154.7 123.0 184.4
98 59.6 49.1 73.7





#11

Methyl Iodide

Concen: 17.027 ug/l

RT: 4.595 min Scan# 44

Delta R.T. 0.006 min

Lab File: VN085207.D

Acq: 16 Dec 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

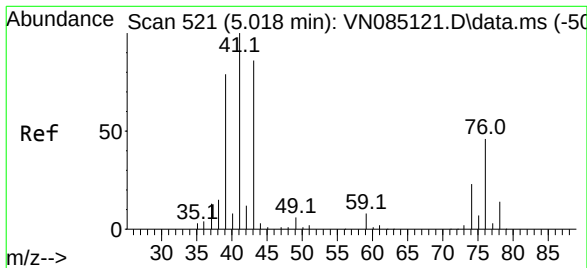
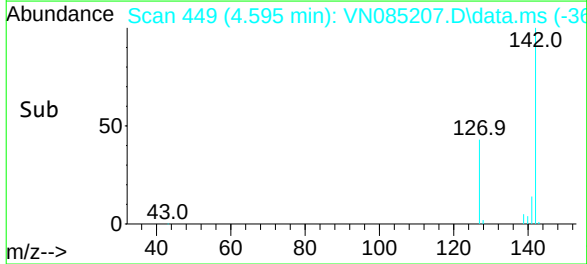
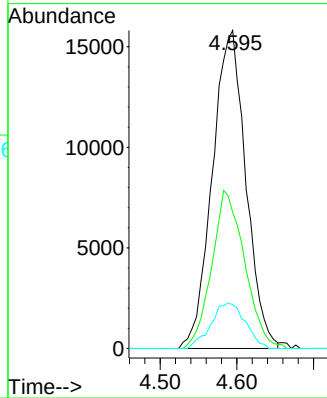
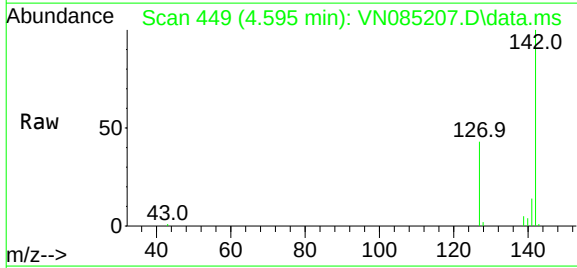
Tgt Ion:	142	Resp:	48050
Ion Ratio	Lower	Upper	
142	100		
127	42.6	22.5	67.5
141	13.9	8.3	24.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#12

Methyl Acetate

Concen: 19.513 ug/l

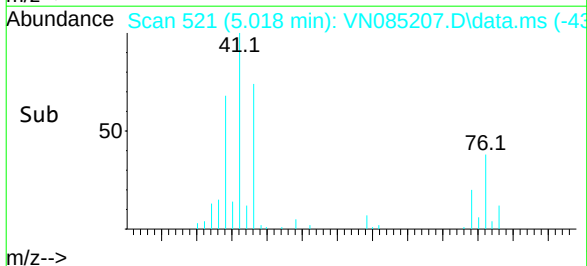
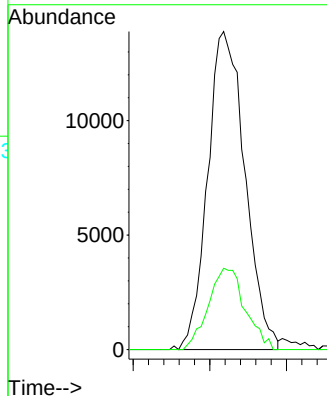
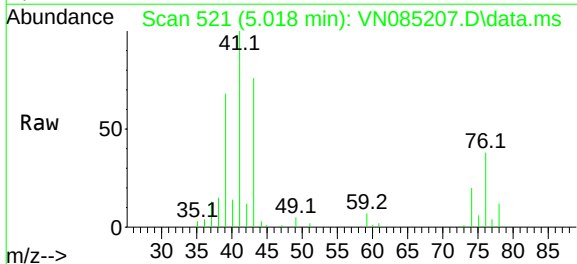
RT: 5.018 min Scan# 521

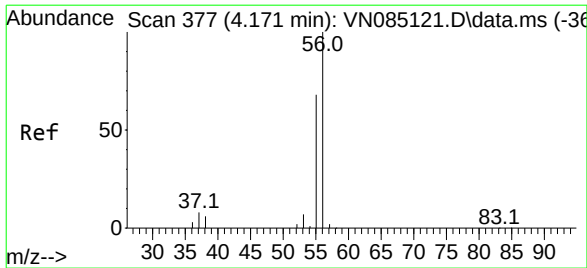
Delta R.T. 0.000 min

Lab File: VN085207.D

Acq: 16 Dec 2024 09:42

Tgt Ion:	43	Resp:	46842
Ion Ratio	Lower	Upper	
43	100		
74	25.9	19.8	29.6





#13

Acrolein

Concen: 75.017 ug/l

RT: 4.177 min Scan# 377

Delta R.T. -0.006 min

Lab File: VN085207.D

Acq: 16 Dec 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 56 Resp: 26169

Ion Ratio Lower Upper

56 100

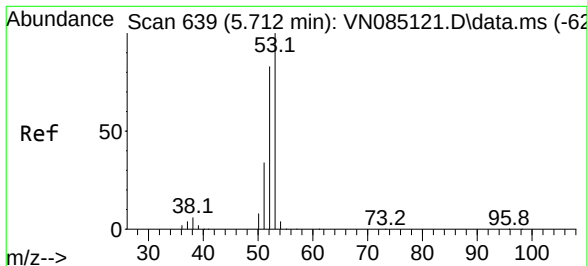
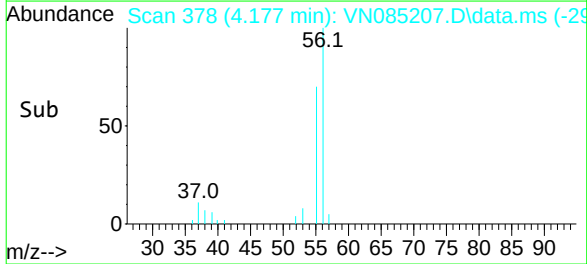
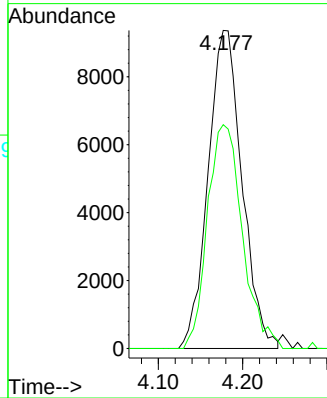
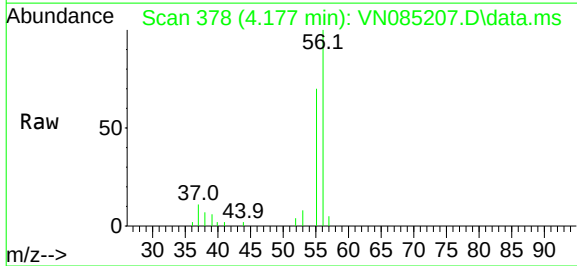
55 70.7 59.4 89.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#14

Acrylonitrile

Concen: 95.305 ug/l

RT: 5.712 min Scan# 639

Delta R.T. -0.006 min

Lab File: VN085207.D

Acq: 16 Dec 2024 09:42

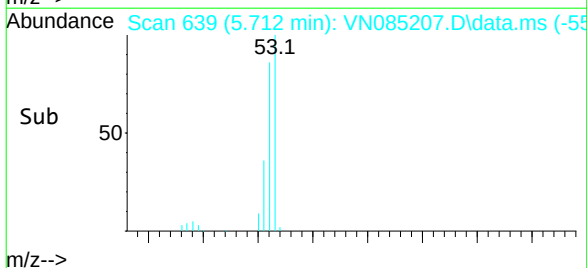
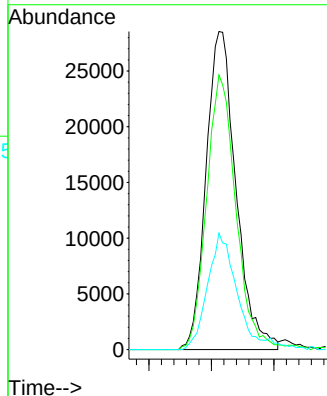
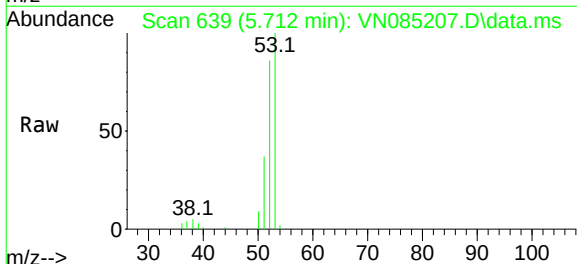
Tgt Ion: 53 Resp: 94996

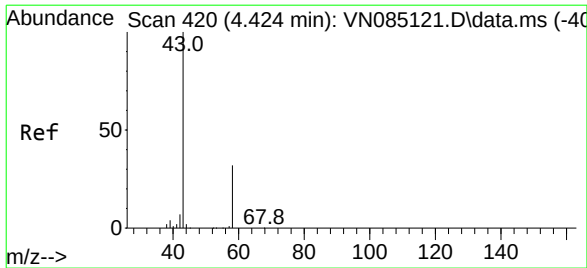
Ion Ratio Lower Upper

53 100

52 83.9 42.9 128.5

51 35.1 17.2 51.5





#15

Acetone

Concen: 106.386 ug/l

RT: 4.424 min Scan# 420

Delta R.T. 0.000 min

Lab File: VN085207.D

Acq: 16 Dec 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 58 Resp: 28736

Ion Ratio Lower Upper

58 100

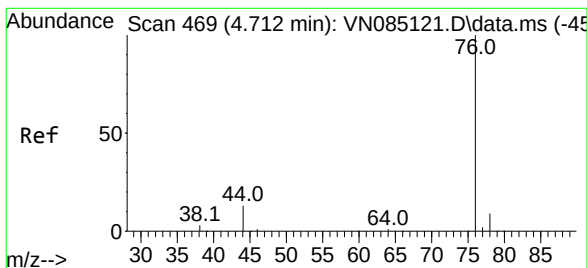
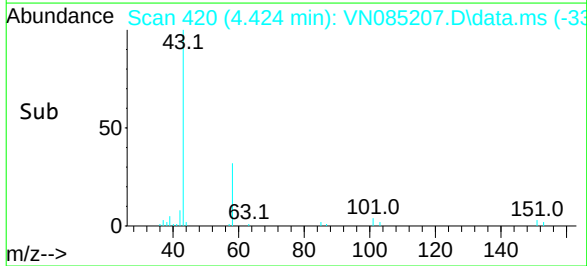
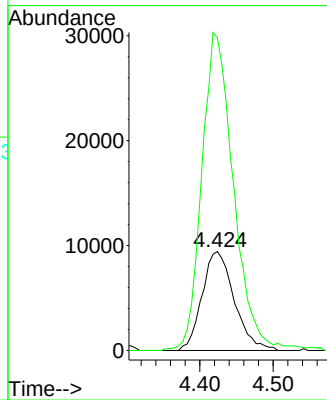
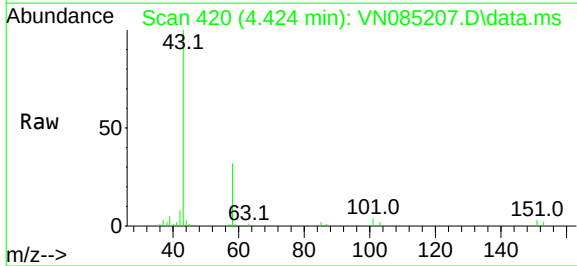
43 311.0 242.3 363.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#16

Carbon Disulfide

Concen: 20.161 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.006 min

Lab File: VN085207.D

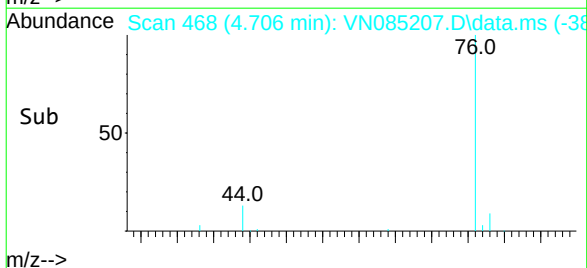
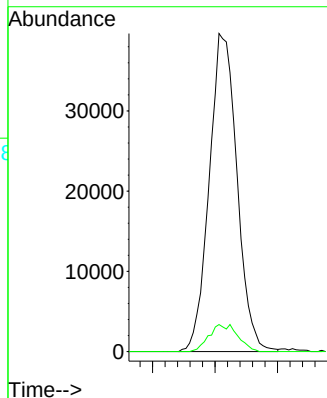
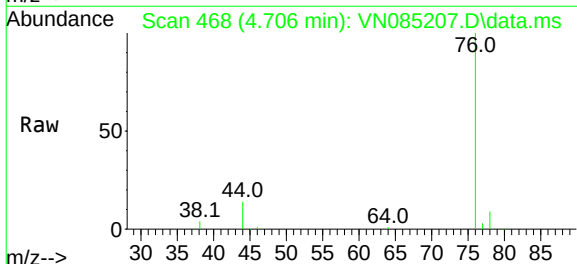
Acq: 16 Dec 2024 09:42

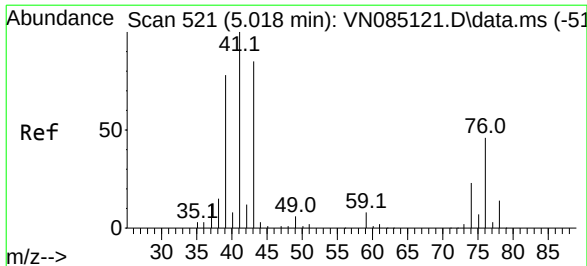
Tgt Ion: 76 Resp: 122618

Ion Ratio Lower Upper

76 100

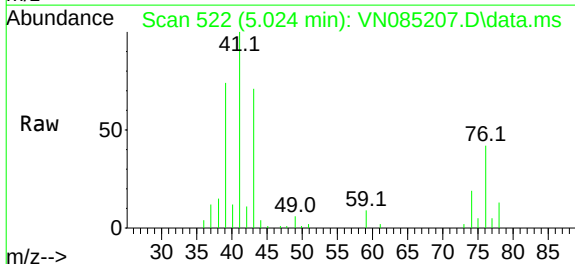
78 8.5 7.1 10.7





#17
Allyl chloride
Concen: 20.428 ug/l
RT: 5.024 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

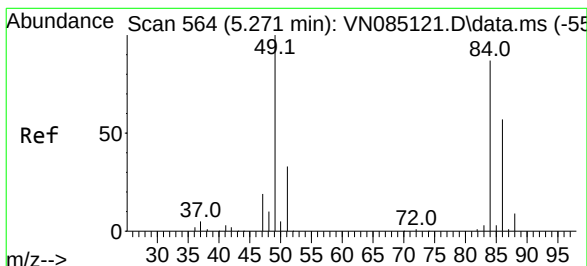
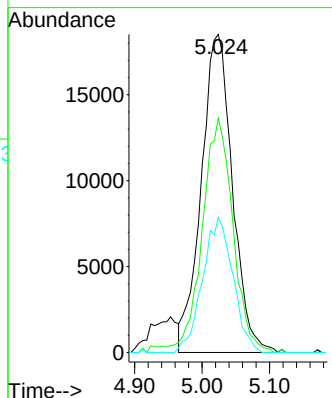
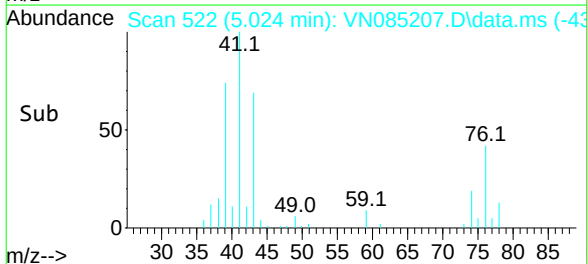
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



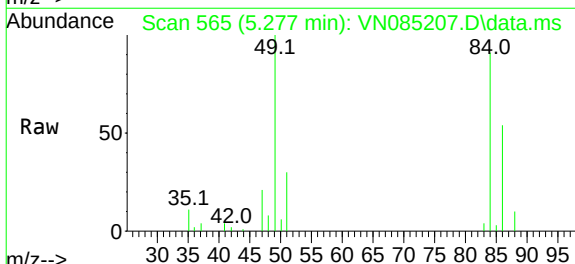
Tgt Ion: 41 Resp: 59479
Ion Ratio Lower Upper
41 100
39 73.7 32.0 96.2
76 42.4 20.2 60.5

Manual Integrations
APPROVED

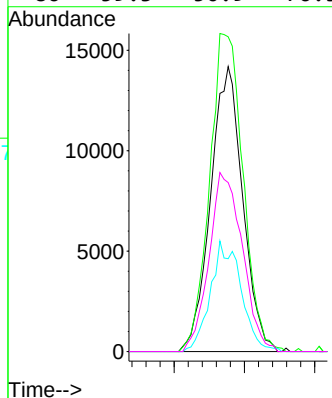
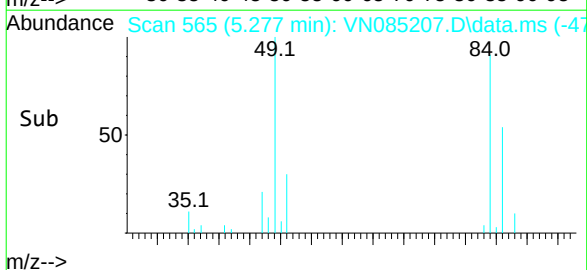
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

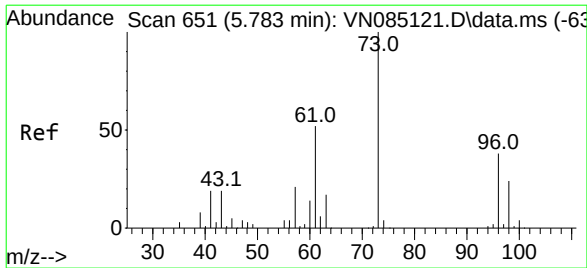


#18
Methylene Chloride
Concen: 19.515 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42



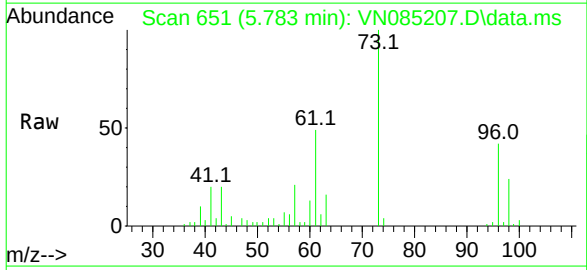
Tgt Ion: 84 Resp: 45057
Ion Ratio Lower Upper
84 100
49 110.5 95.1 142.7
51 32.6 27.4 41.0
86 59.3 50.9 76.3





#19
trans-1,2-Dichloroethene
Concen: 20.081 ug/l
RT: 5.783 min Scan# 651
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

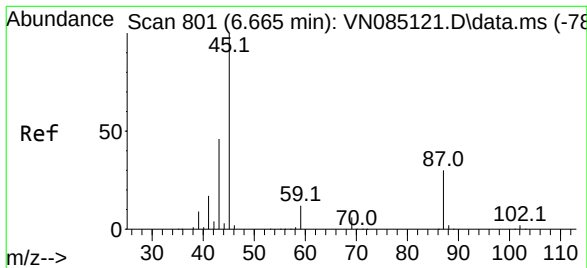
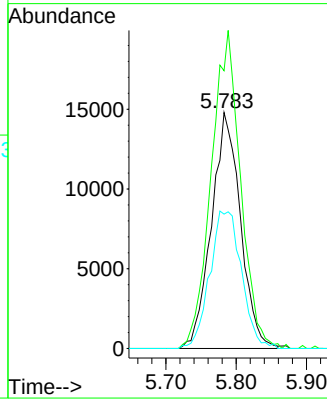
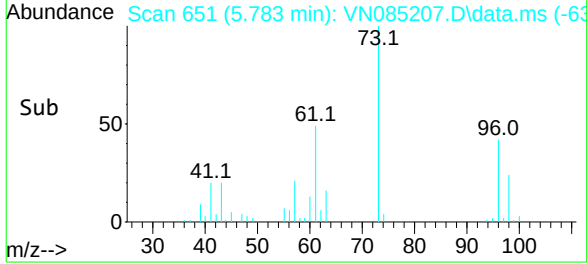
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



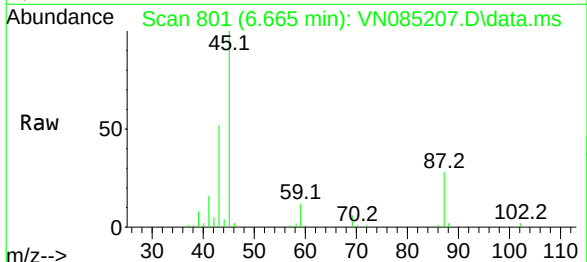
Tgt Ion: 96 Resp: 42471
Ion Ratio Lower Upper
96 100
61 117.7 100.4 150.6
98 56.9 52.6 79.0

Manual Integrations
APPROVED

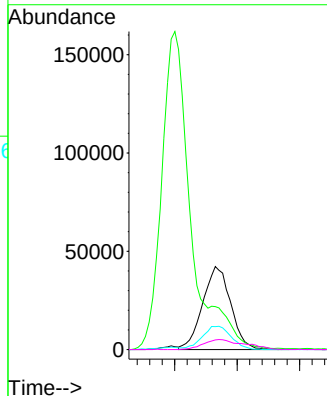
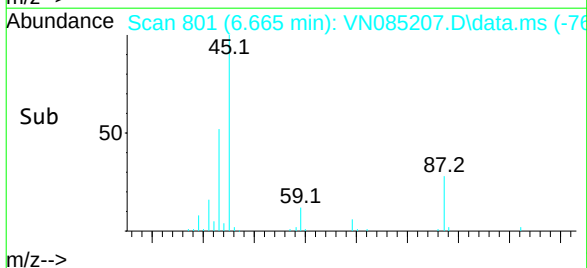
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

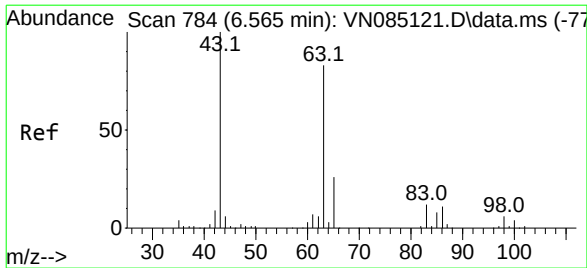


#20
Diisopropyl ether
Concen: 20.625 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42



Tgt Ion: 45 Resp: 131789
Ion Ratio Lower Upper
45 100
43 50.1 41.9 62.9
87 27.7 24.1 36.1
59 11.6 10.0 15.0





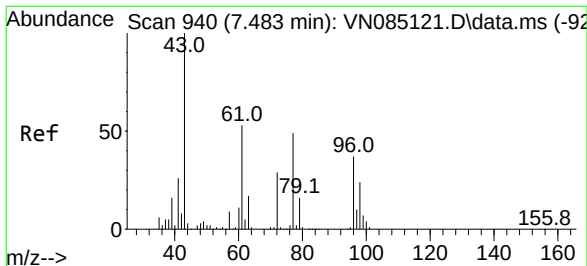
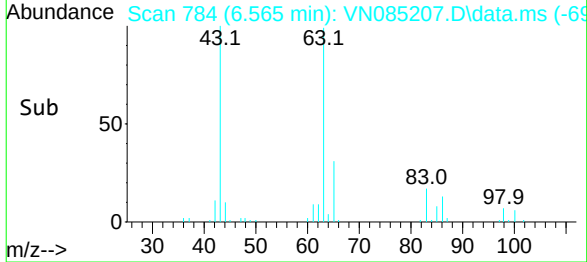
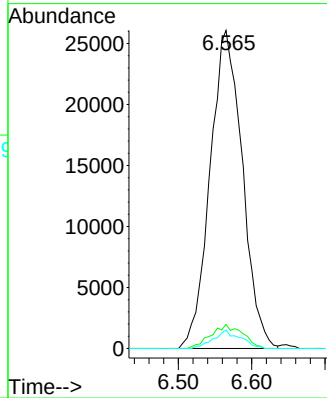
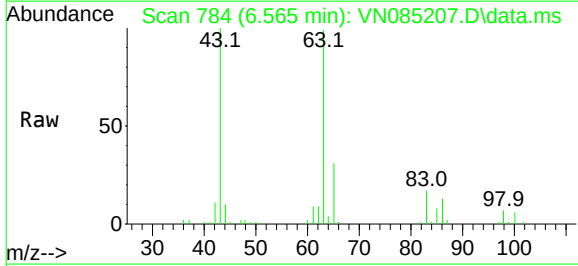
#21
1,1-Dichloroethane
Concen: 20.207 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63	Resp: 79692
Ion Ratio	Lower Upper
63 100	
98 7.5	3.5 10.4
100 5.8	1.6 4.8

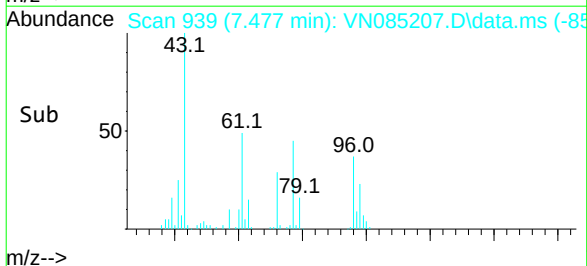
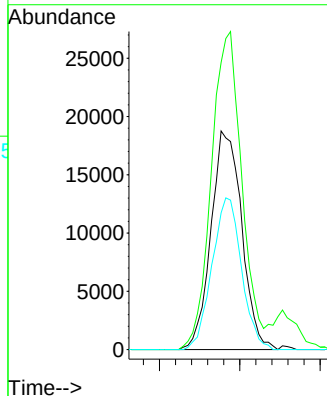
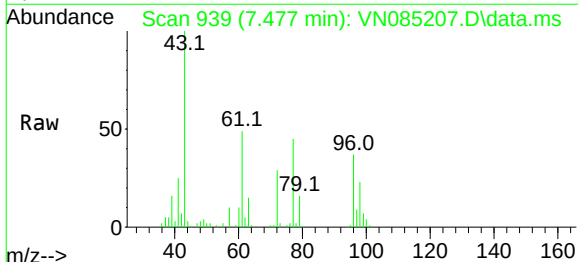
Manual Integrations
APPROVED

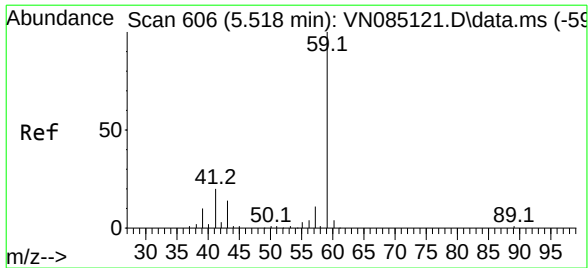
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#22
cis-1,2-Dichloroethene
Concen: 20.511 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.012 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 96	Resp: 49862
Ion Ratio	Lower Upper
96 100	
61 143.7	115.9 173.9
98 66.7	51.8 77.8





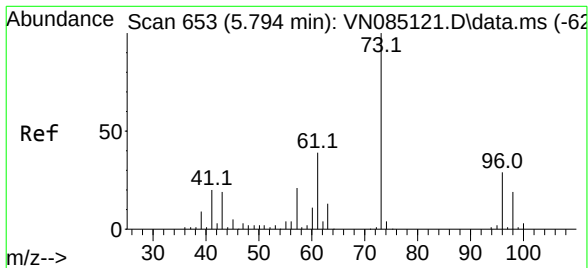
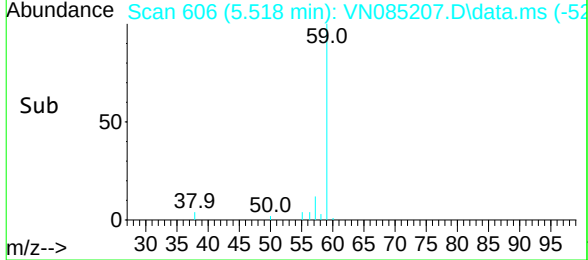
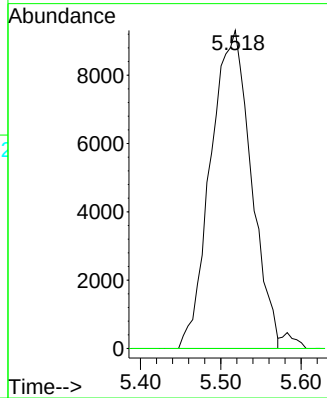
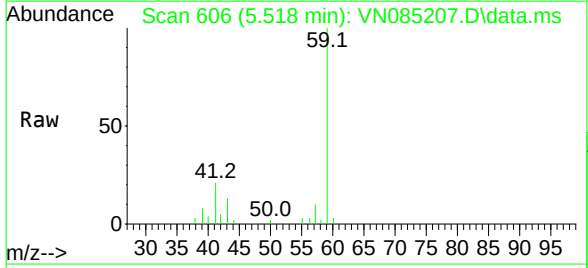
#23
tert-Butyl Alcohol
Concen: 91.223 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 59 Resp: 32619
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

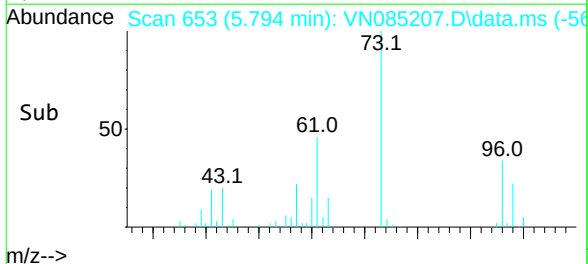
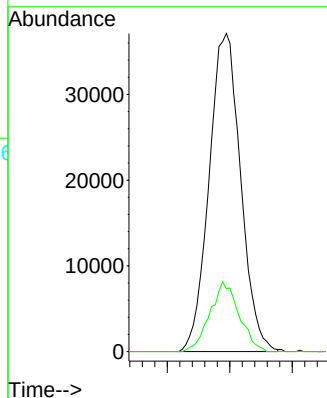
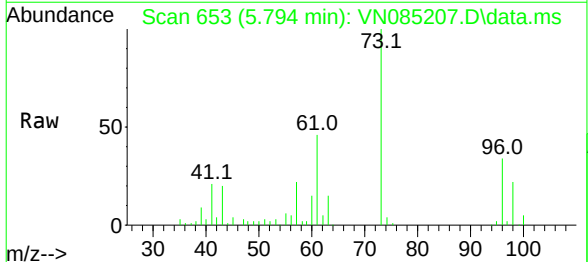
Manual Integrations
APPROVED

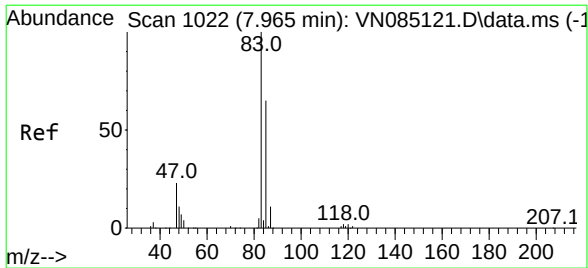
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#24
Methyl tert-Butyl Ether
Concen: 20.480 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 73 Resp: 130198
Ion Ratio Lower Upper
73 100
43 20.3 8.7 13.1#





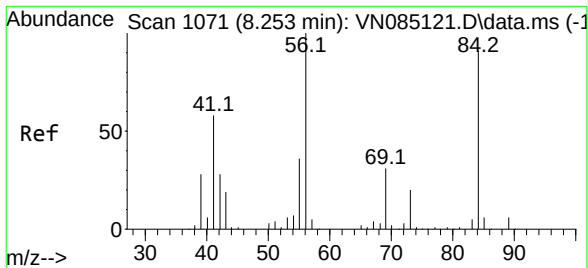
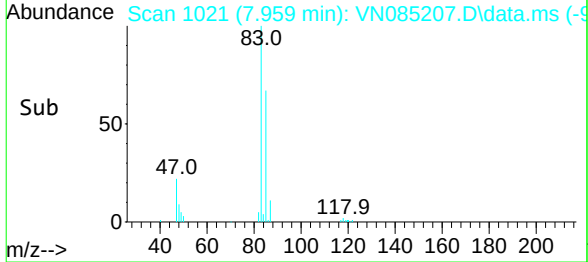
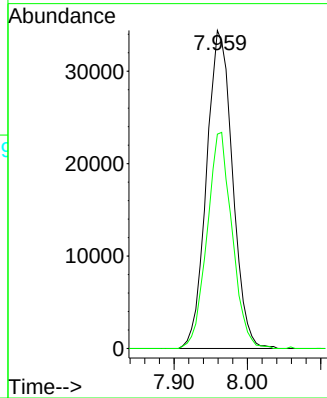
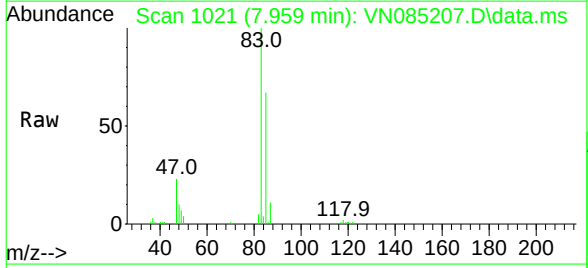
#25
Chloroform
Concen: 20.530 ug/l
RT: 7.959 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 84820
Ion Ratio Lower Upper
83 100
85 67.4 49.4 74.0

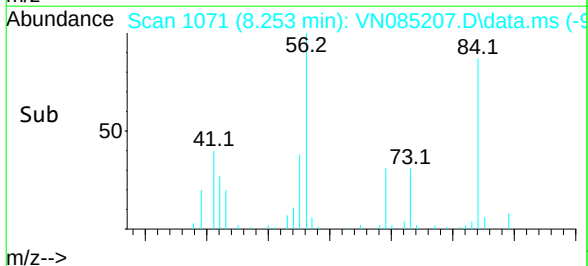
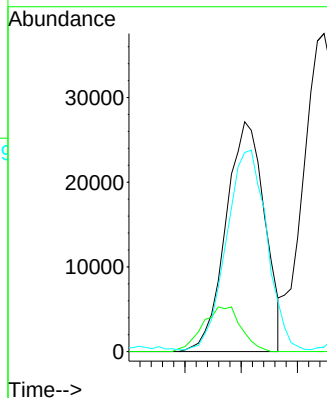
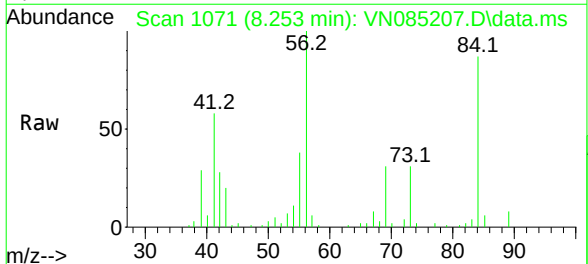
Manual Integrations
APPROVED

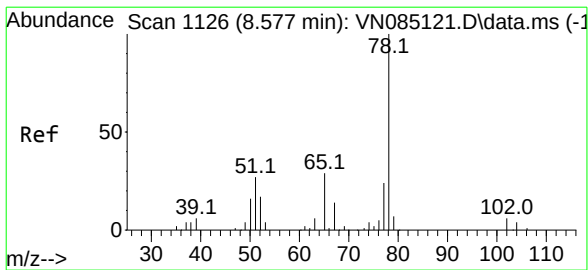
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#26
Cyclohexane
Concen: 20.069 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 56 Resp: 65168
Ion Ratio Lower Upper
56 100
89 19.4 19.5 29.3#
84 92.1 70.6 105.8





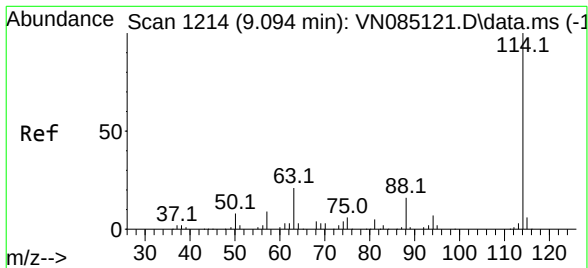
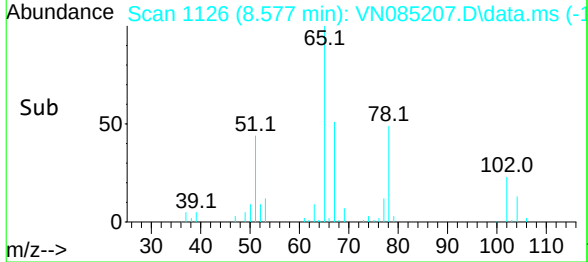
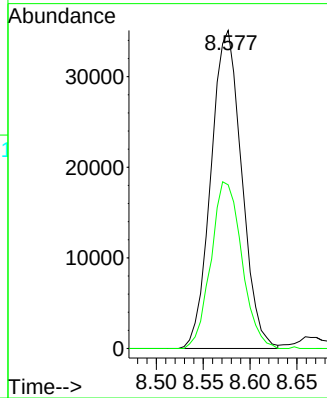
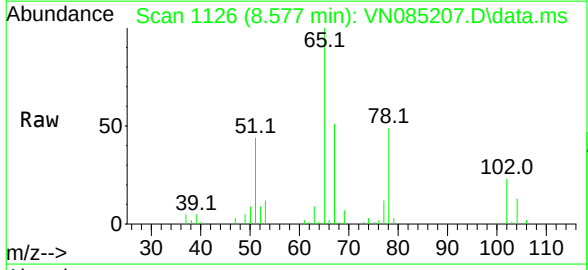
#27
1,2-Dichloroethane-d4
Concen: 30.226 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 65 Resp: 80133
Ion Ratio Lower Upper
65 100
67 52.4 39.9 59.9

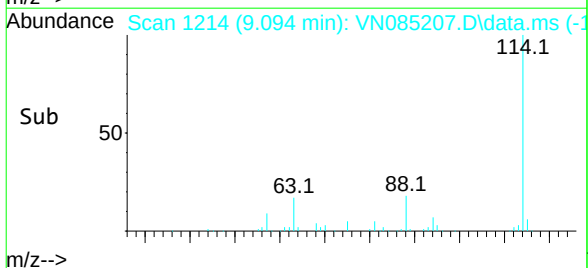
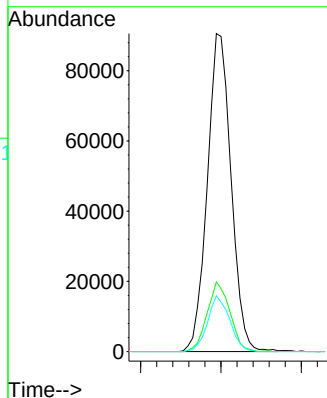
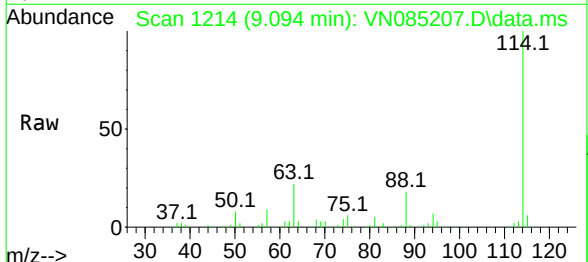
Manual Integrations
APPROVED

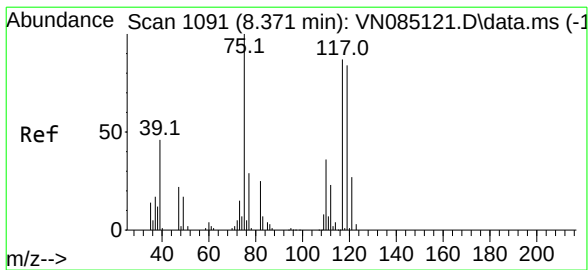
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:114 Resp: 185962
Ion Ratio Lower Upper
114 100
63 21.0 16.2 24.2
88 16.4 12.5 18.7





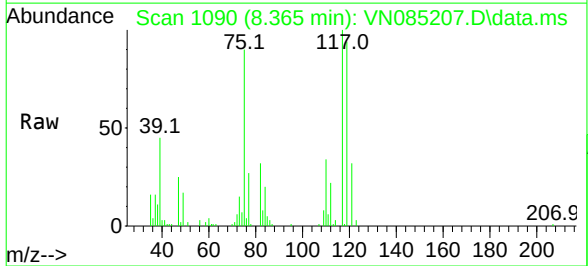
#29
1,1-Dichloropropene
Concen: 19.254 ug/l
RT: 8.365 min Scan# 1091
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020



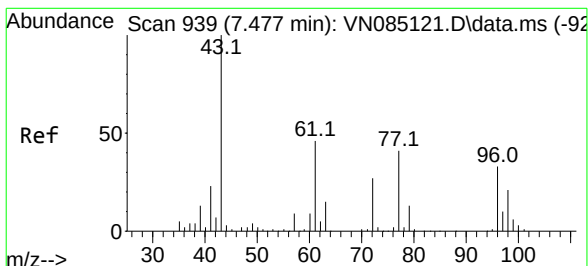
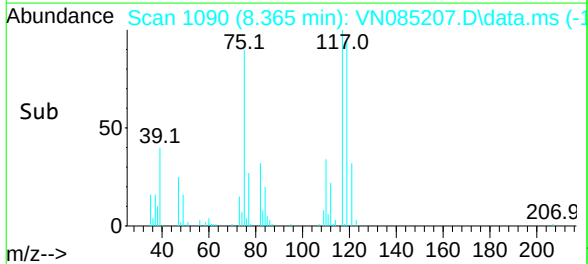
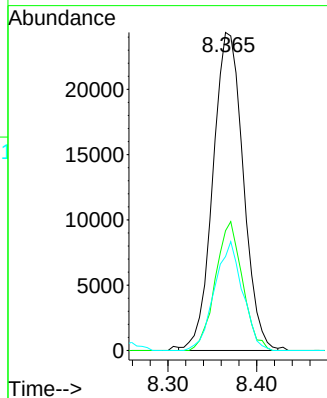
Tgt Ion: 75 Resp: 57776
Ion Ratio Lower Upper
75 100
110 36.1 0.0 71.6
77 31.6 0.0 62.2

Manual Integrations

APPROVED

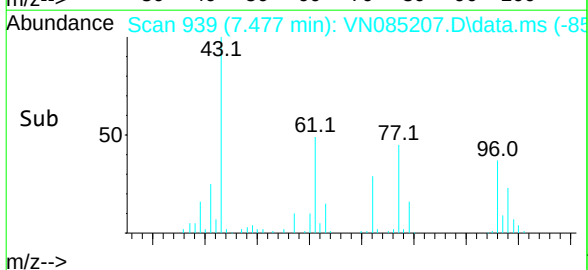
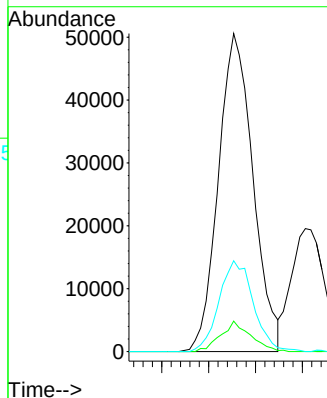
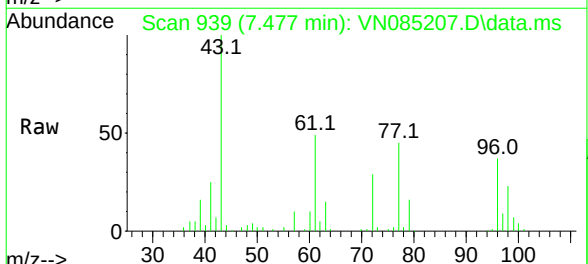
Reviewed By :John Carlone 12/16/2024

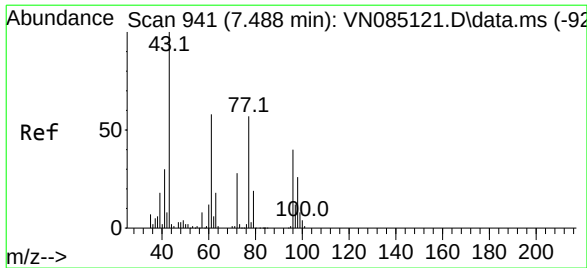
Supervised By :Mahesh Dadoda 12/17/2024



#30
2-Butanone
Concen: 94.489 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 43 Resp: 130116
Ion Ratio Lower Upper
43 100
57 8.2 6.9 10.3
72 28.2 21.8 32.8





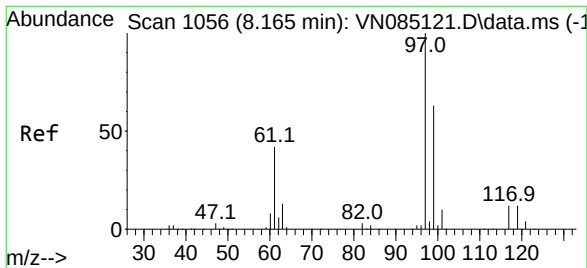
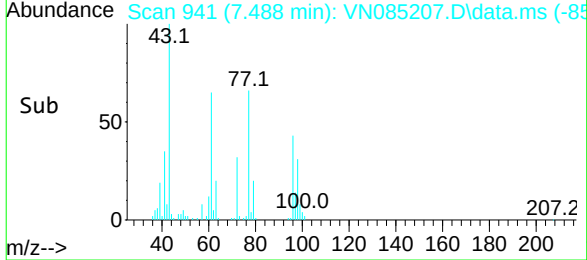
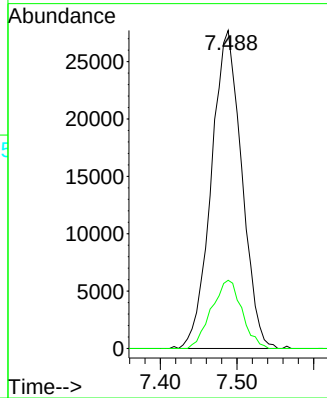
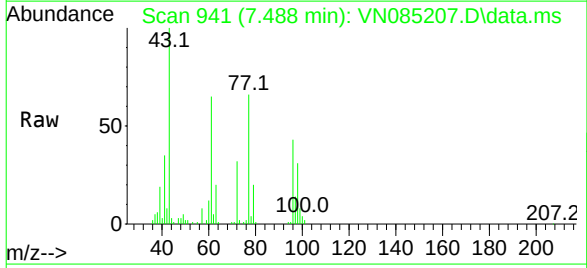
#31
2,2-Dichloropropane
Concen: 19.826 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 77 Resp: 76289
Ion Ratio Lower Upper
77 100
97 21.5 0.0 0.0#

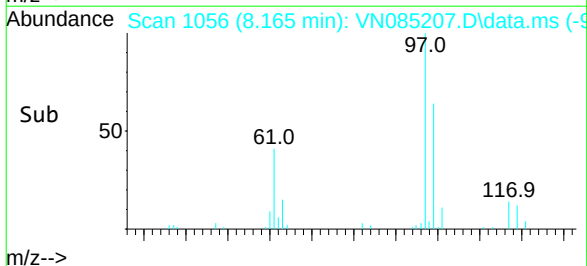
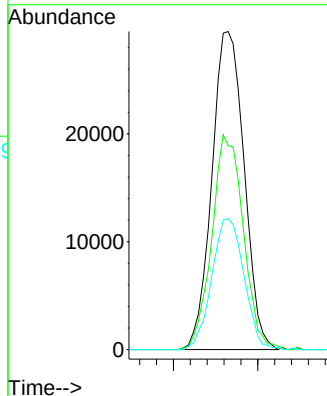
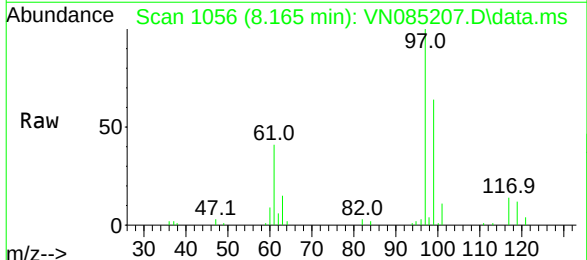
Manual Integrations
APPROVED

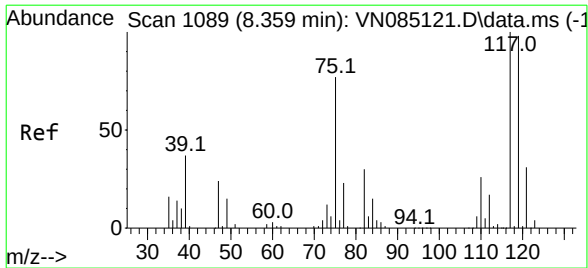
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#32
1,1,1-Trichloroethane
Concen: 19.264 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

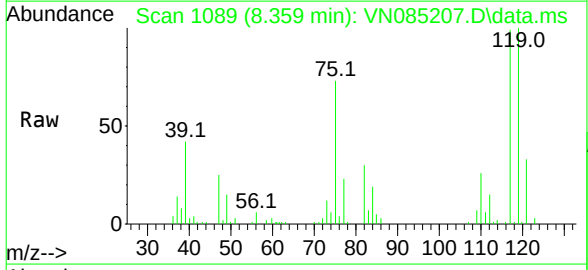
Tgt Ion: 97 Resp: 78244
Ion Ratio Lower Upper
97 100
99 65.9 50.8 76.2
61 41.2 32.7 49.1





#33
Carbon Tetrachloride
Concen: 18.888 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

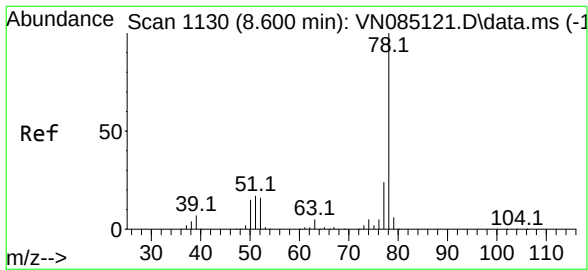
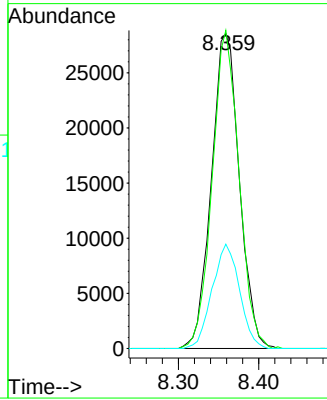
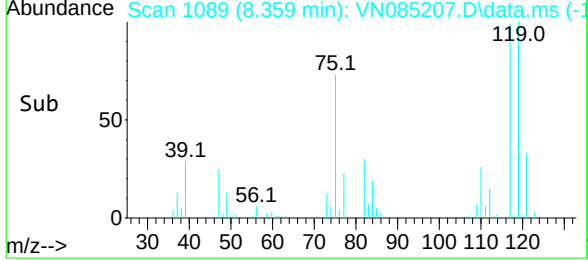
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



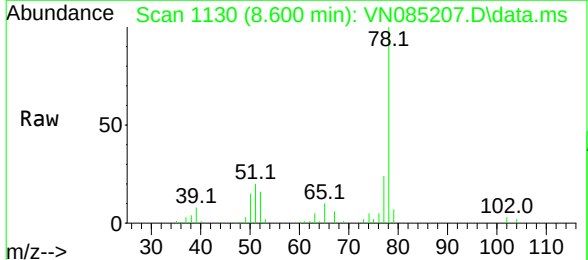
Tgt Ion: 117 Resp: 69225
Ion Ratio Lower Upper
117 100
119 101.0 81.6 122.4
121 33.1 26.5 39.7

Manual Integrations
APPROVED

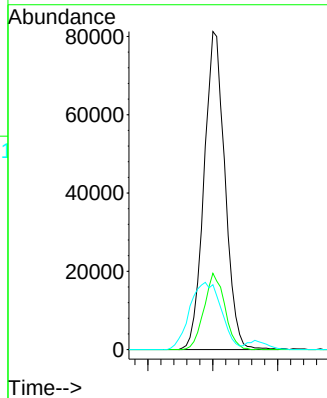
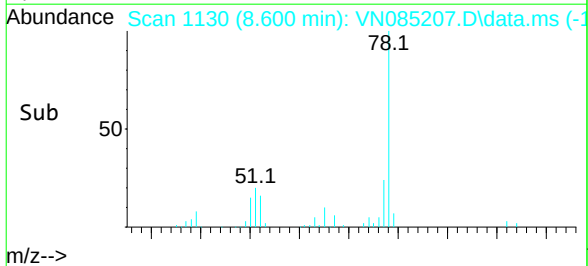
Reviewed By : John Carlone 12/16/2024
Supervised By : Mahesh Dadoda 12/17/2024

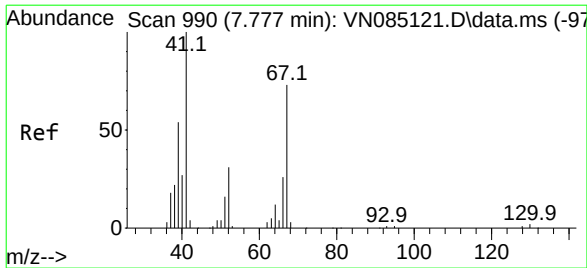


#34
Benzene
Concen: 19.246 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42



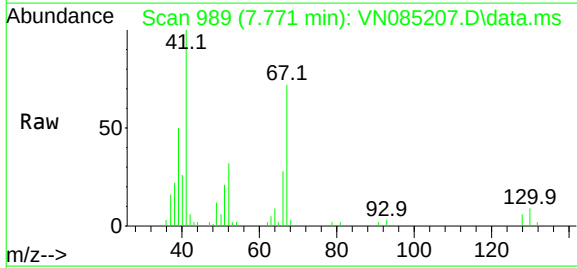
Tgt Ion: 78 Resp: 181426
Ion Ratio Lower Upper
78 100
77 24.0 18.0 27.0
51 20.0 12.4 18.6





#35
Methacrylonitrile
Concen: 18.152 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

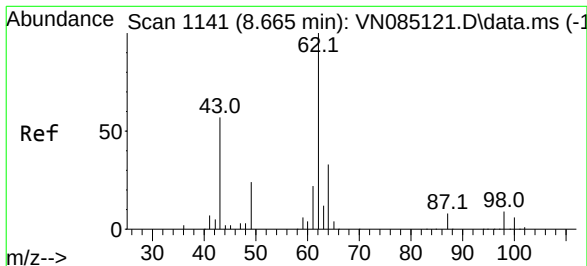
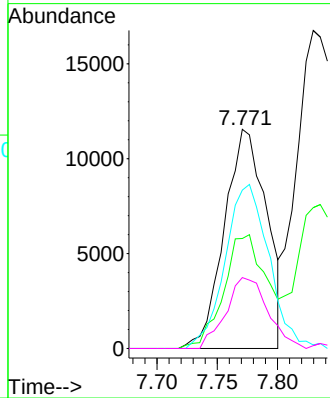
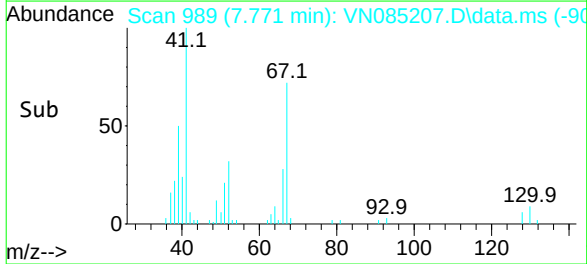
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 41 Resp: 28129
Ion Ratio Lower Upper
41 100
39 50.2 24.4 73.2
67 72.3 37.0 110.9
52 32.3 12.4 37.2

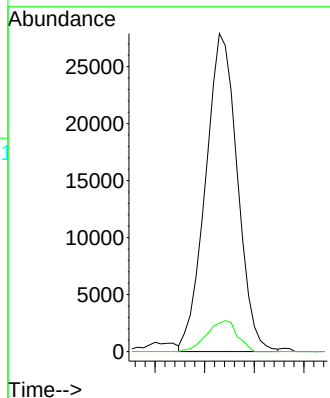
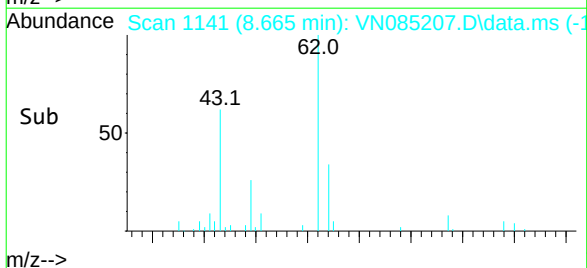
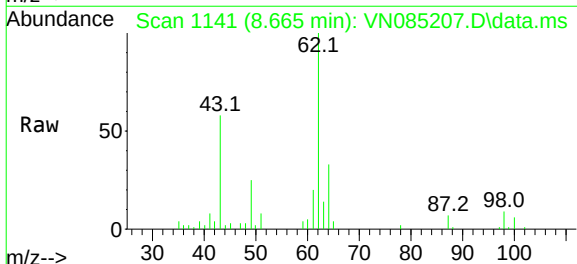
Manual Integrations
APPROVED

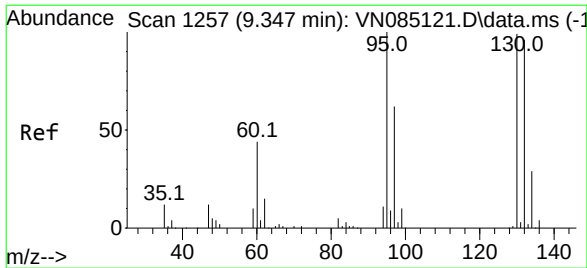
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#36
1,2-Dichloroethane
Concen: 19.368 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

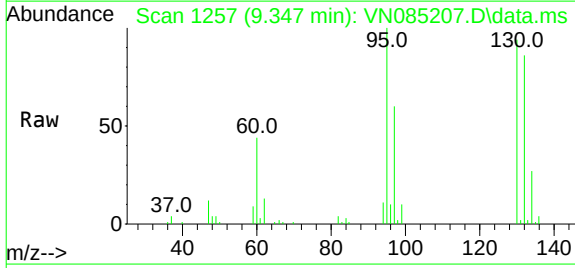
Tgt Ion: 62 Resp: 62153
Ion Ratio Lower Upper
62 100
98 9.3 7.3 10.9





#37
Trichloroethene
Concen: 19.949 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

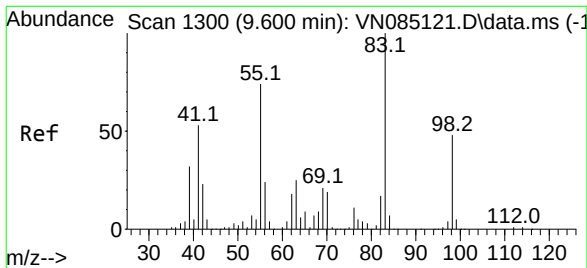
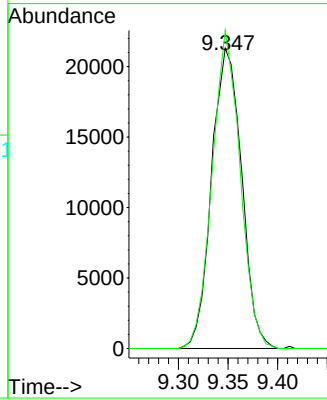
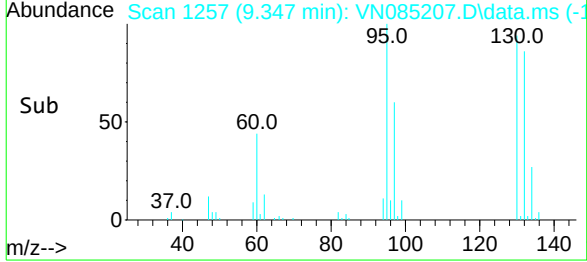
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



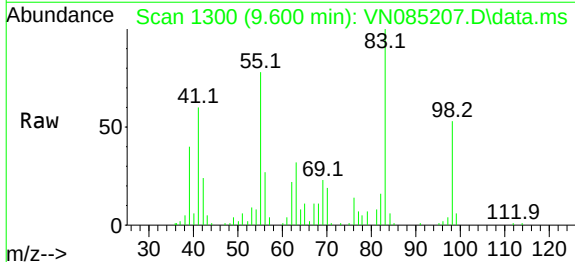
Tgt Ion:130 Resp: 44782
Ion Ratio Lower Upper
130 100
95 105.9 76.2 114.4

Manual Integrations
APPROVED

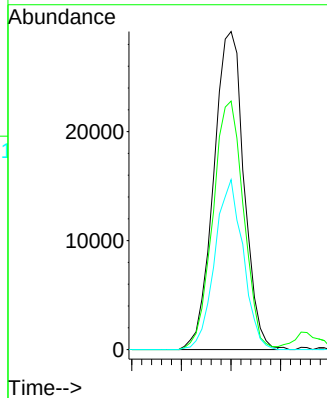
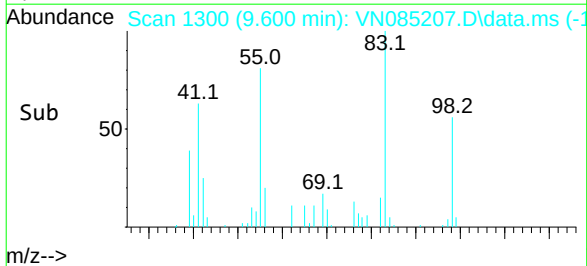
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

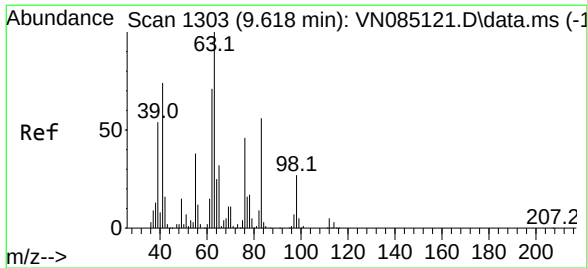


#38
Methylcyclohexane
Concen: 19.000 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42



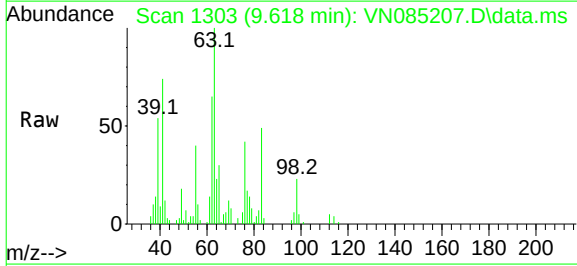
Tgt Ion: 83 Resp: 61994
Ion Ratio Lower Upper
83 100
55 79.1 41.4 124.4
98 49.9 25.7 77.1





#39
1,2-Dichloropropane
Concen: 19.143 ug/l
RT: 9.618 min Scan# 1303
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

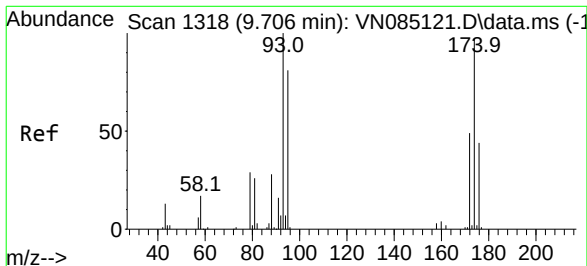
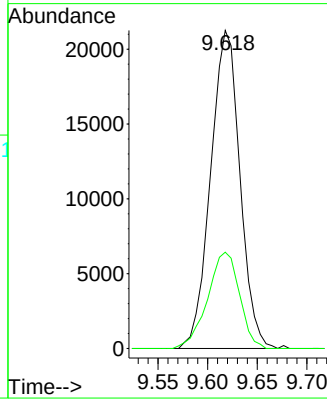
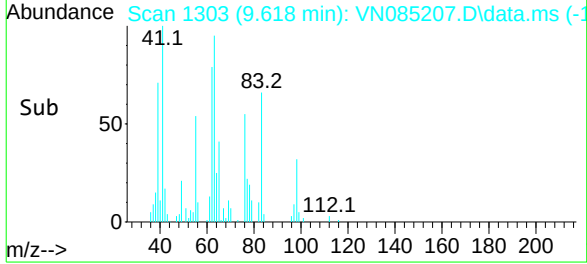
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 63 Resp: 43708
Ion Ratio Lower Upper
63 100
65 30.3 23.4 35.0

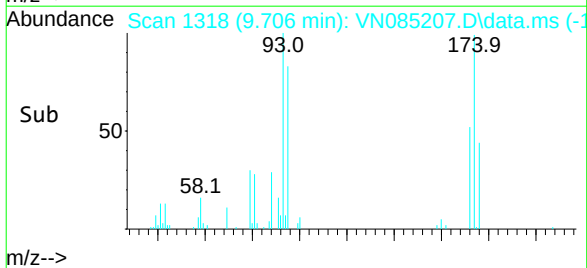
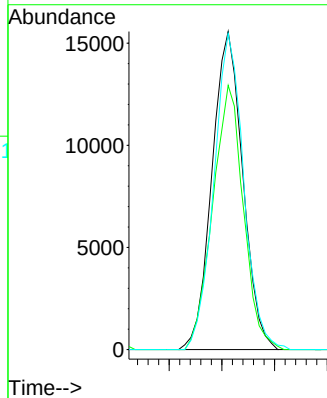
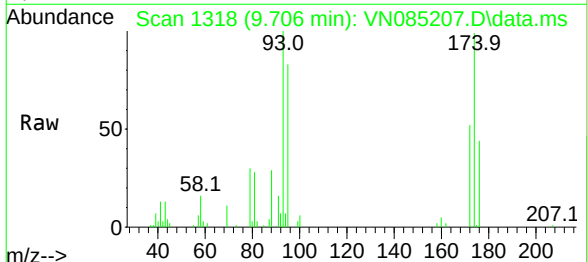
Manual Integrations
APPROVED

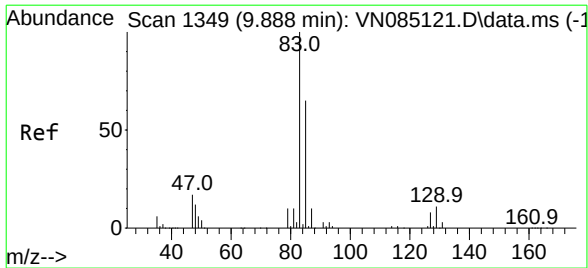
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#40
Dibromomethane
Concen: 19.271 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 93 Resp: 31562
Ion Ratio Lower Upper
93 100
95 82.7 0.0 169.4
174 96.3 0.0 189.8





#41
Bromodichloromethane
Concen: 19.343 ug/l
RT: 9.882 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :

MSVOA_N

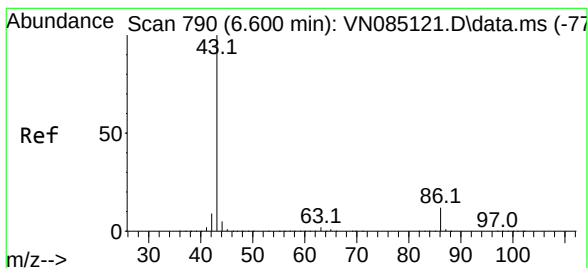
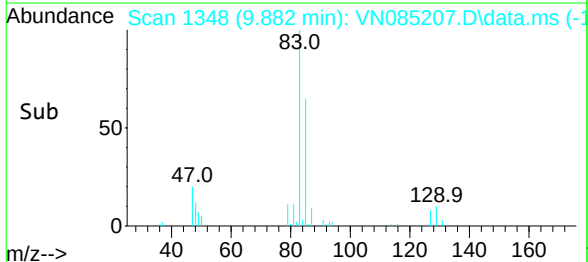
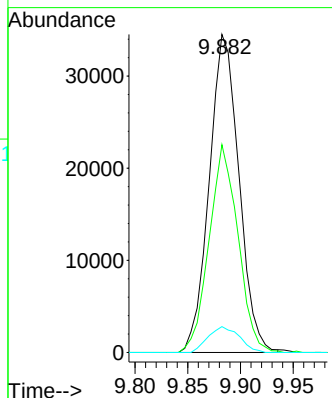
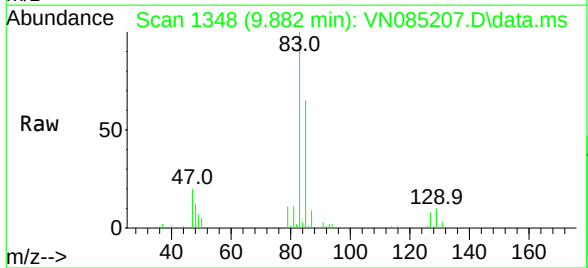
ClientSampleId :

VSTDCCC020

Tgt Ion:	83	Resp:	67723
Ion	Ratio	Lower	Upper
83	100		
85	65.3	54.6	81.8
127	8.1	7.0	10.6

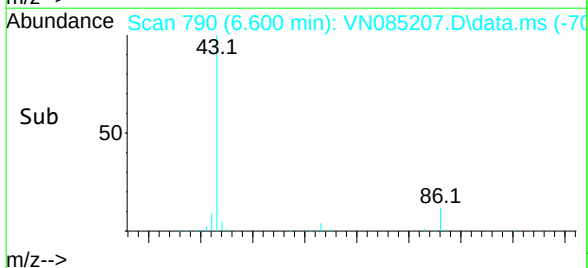
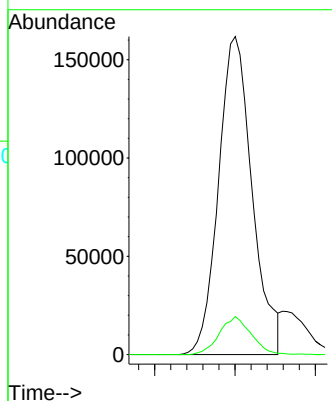
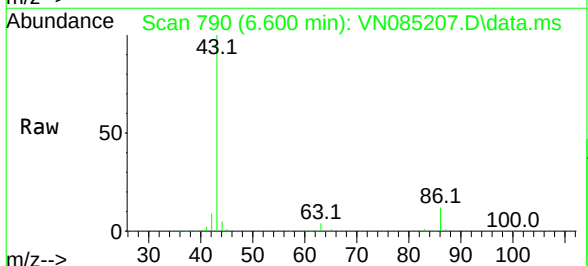
Manual Integrations
APPROVED

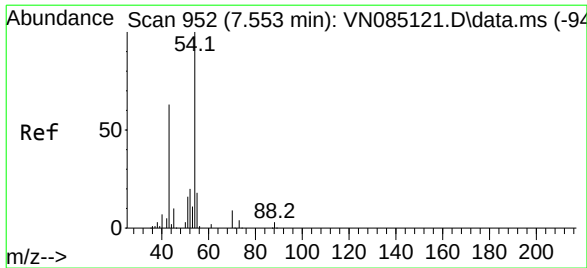
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#42
Vinyl Acetate
Concen: 97.906 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:	43	Resp:	471771
Ion	Ratio	Lower	Upper
43	100		
86	11.2	9.2	13.8





#43

Ethyl Acetate

Concen: 18.066 ug/l

RT: 7.553 min Scan# 952

Delta R.T. -0.006 min

Lab File: VN085207.D

Acq: 16 Dec 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 43 Resp: 49499

Ion Ratio Lower Upper

43 100

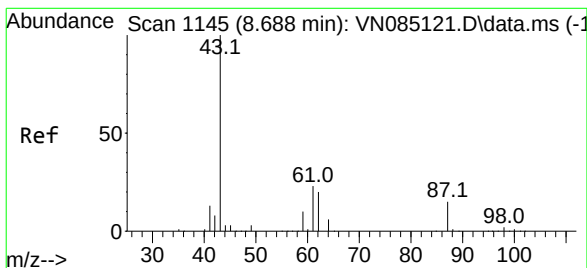
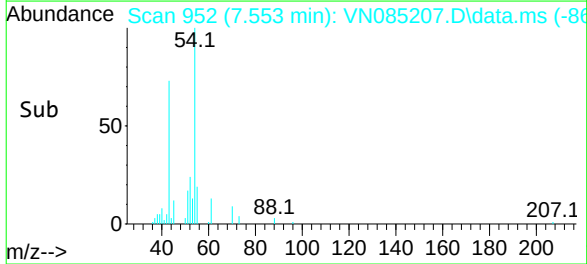
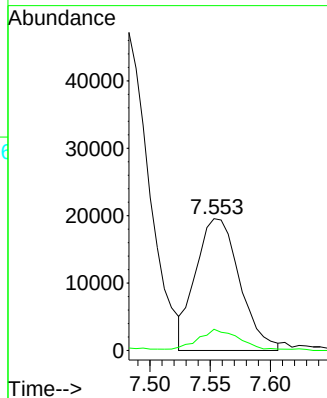
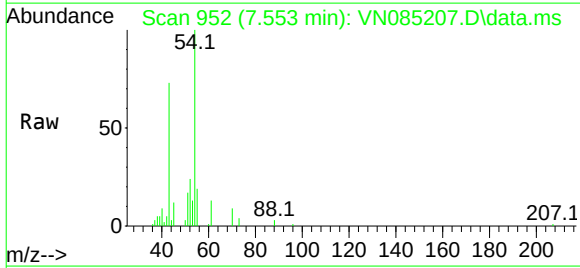
45 14.9 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#44

Isopropyl Acetate

Concen: 18.694 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.006 min

Lab File: VN085207.D

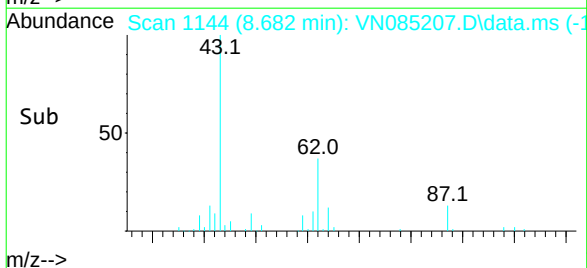
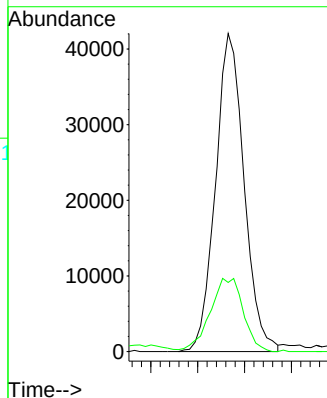
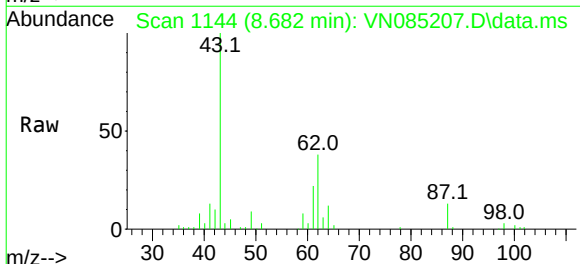
Acq: 16 Dec 2024 09:42

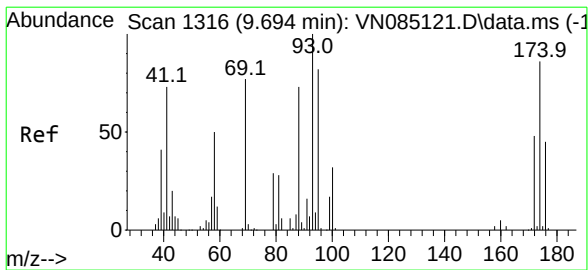
Tgt Ion: 43 Resp: 89011

Ion Ratio Lower Upper

43 100

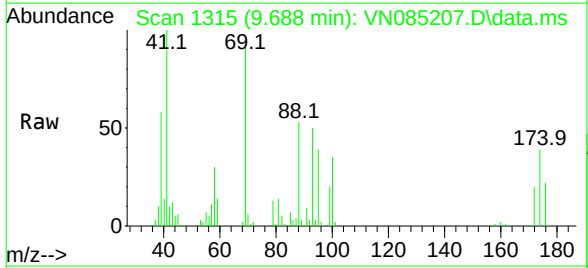
61 26.7 21.5 32.3





#45
1,4-Dioxane
Concen: 392.939 ug/l
RT: 9.688 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

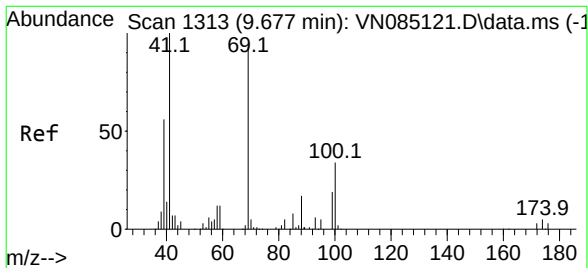
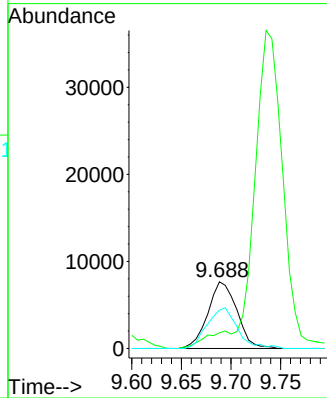
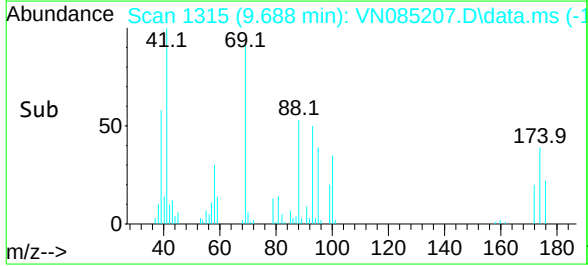
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 88 Resp: 15602
Ion Ratio Lower Upper
88 100
43 24.2 21.7 32.5
58 62.3 52.6 79.0

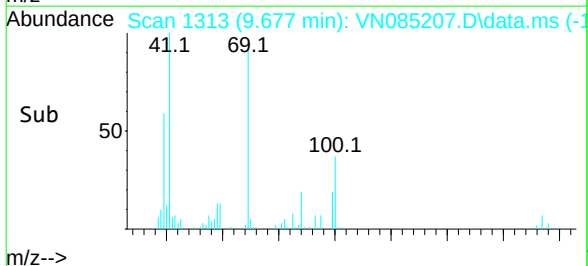
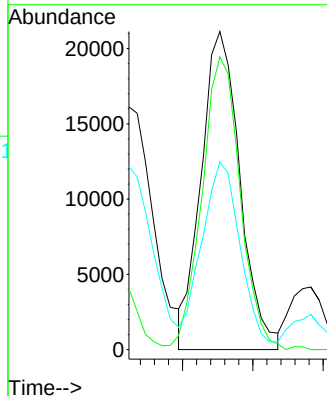
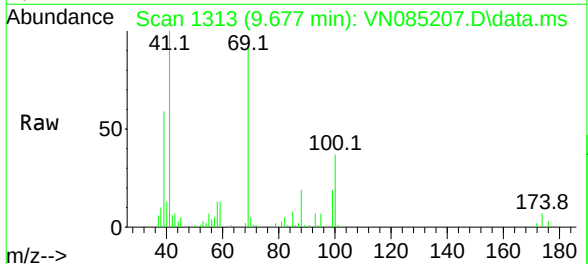
Manual Integrations
APPROVED

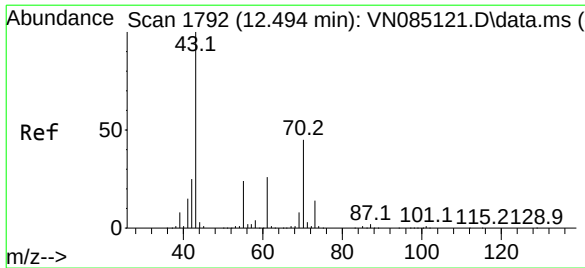
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#46
Methyl methacrylate
Concen: 18.632 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 41 Resp: 40601
Ion Ratio Lower Upper
41 100
69 95.2 46.7 140.0
39 59.6 28.5 85.5





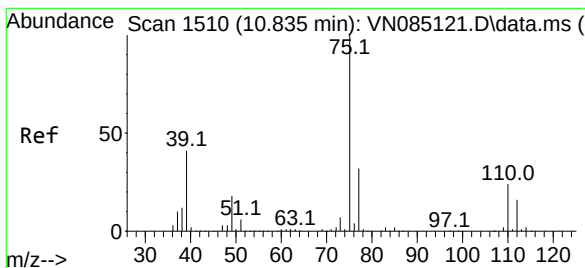
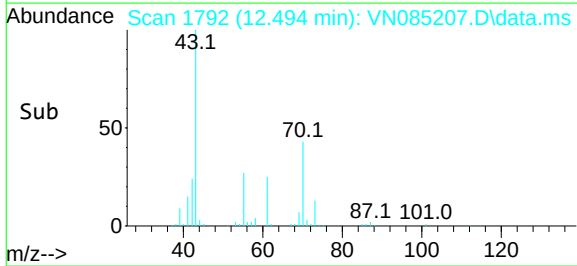
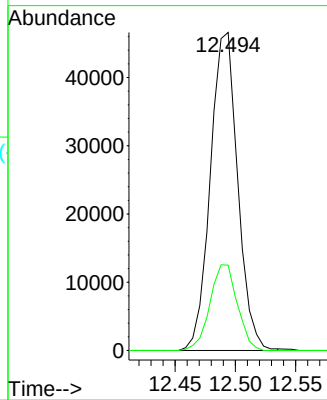
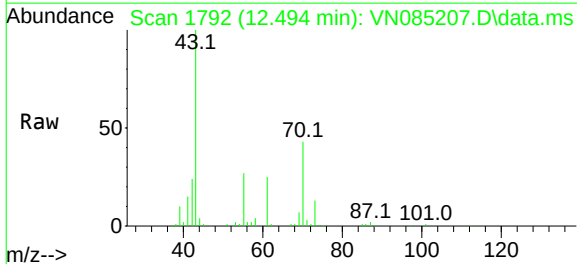
#47
n-amy1 Acetate
Concen: 18.361 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 73556
Ion Ratio Lower Upper
43 100
55 27.0 23.3 34.9

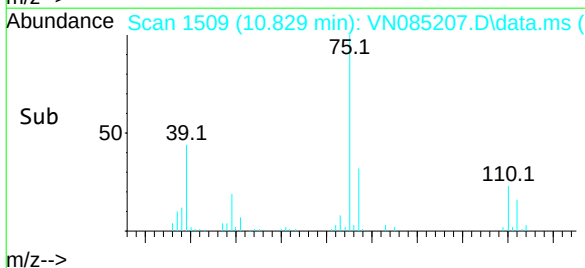
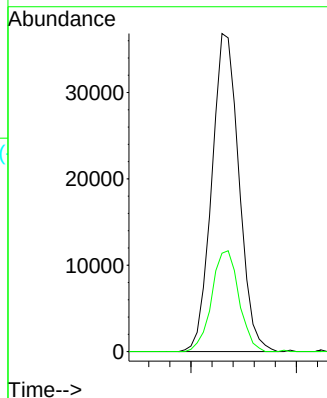
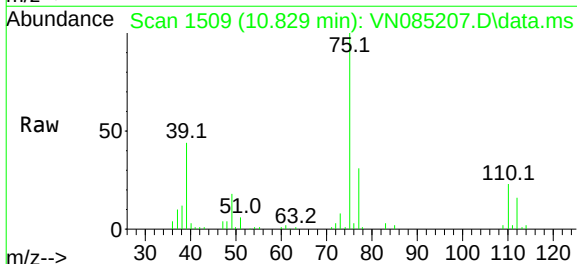
Manual Integrations
APPROVED

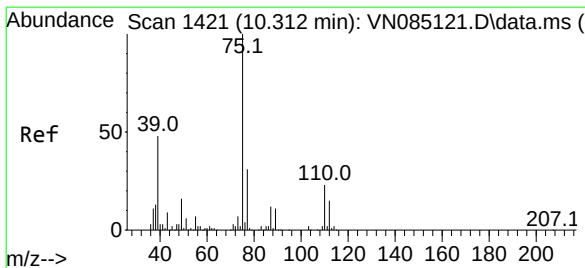
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#48
t-1,3-Dichloropropene
Concen: 19.202 ug/l
RT: 10.829 min Scan# 1509
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 75 Resp: 65995
Ion Ratio Lower Upper
75 100
77 30.9 25.5 38.3





#49

cis-1,3-Dichloropropene

Concen: 19.544 ug/l

RT: 10.306 min Scan# 1421

Delta R.T. -0.006 min

Lab File: VN085207.D

Acq: 16 Dec 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

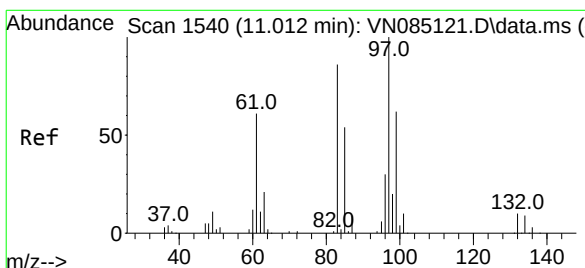
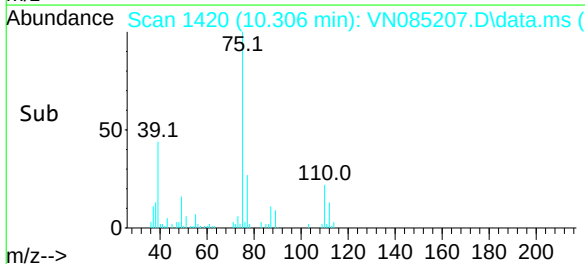
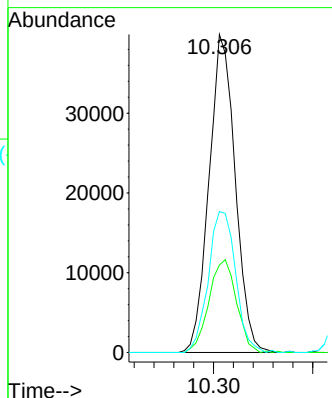
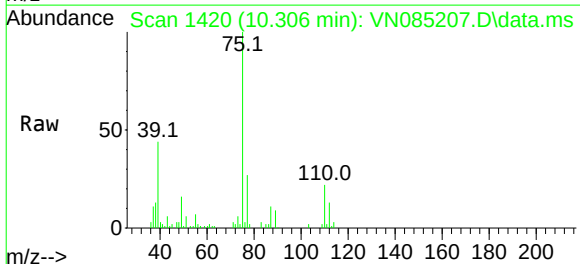
Tgt Ion: 75	Resp: 73124
Ion Ratio	Lower Upper
75 100	
77 27.5	23.8 35.6
39 44.3	37.3 55.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#50

1,1,2-Trichloroethane

Concen: 19.311 ug/l

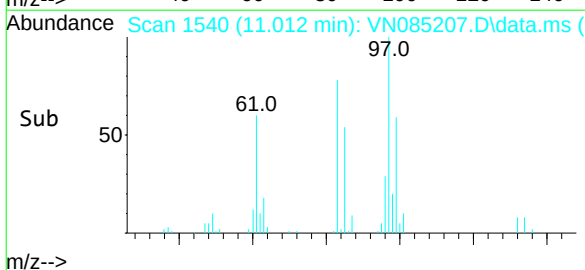
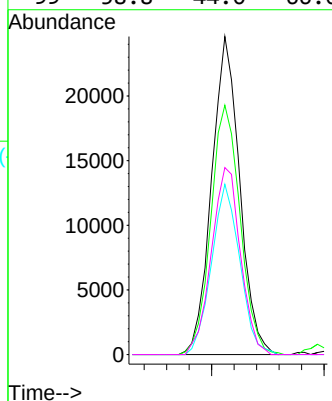
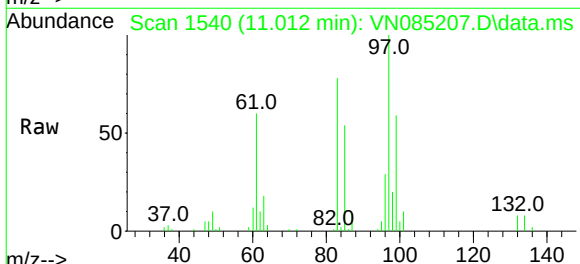
RT: 11.012 min Scan# 1540

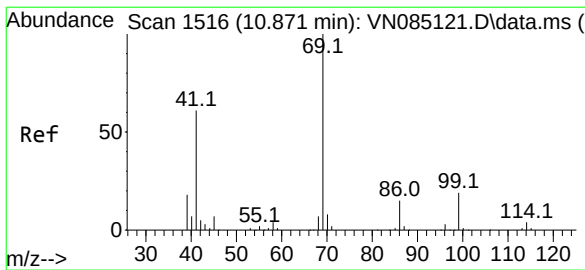
Delta R.T. 0.000 min

Lab File: VN085207.D

Acq: 16 Dec 2024 09:42

Tgt Ion: 97	Resp: 42618
Ion Ratio	Lower Upper
97 100	
83 78.4	65.8 98.8
85 53.5	40.8 61.2
99 58.8	44.0 66.0





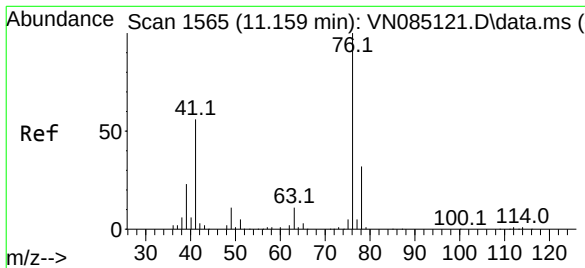
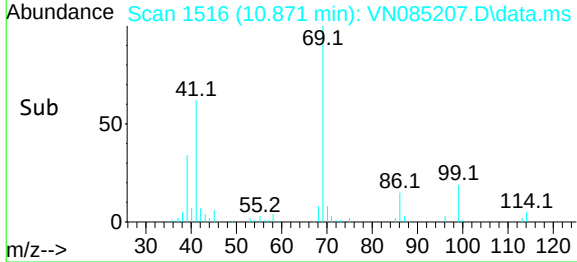
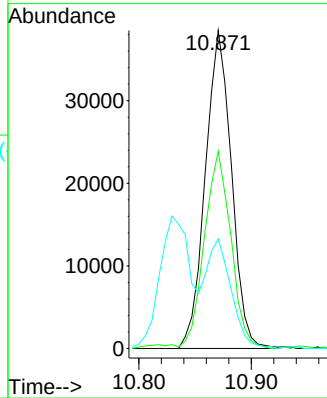
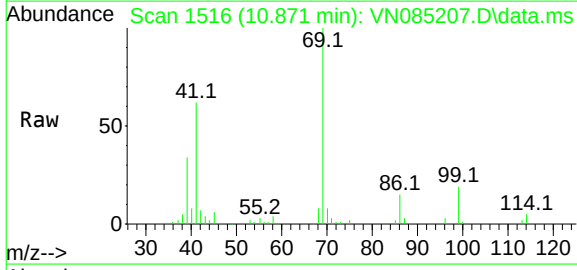
#51
Ethyl methacrylate
Concen: 18.569 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:	69	Resp:	62332
Ion	Ratio	Lower	Upper
69	100		
41	62.0	32.1	96.3
39	34.5	18.8	56.4

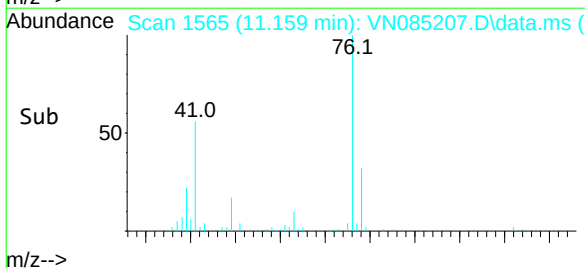
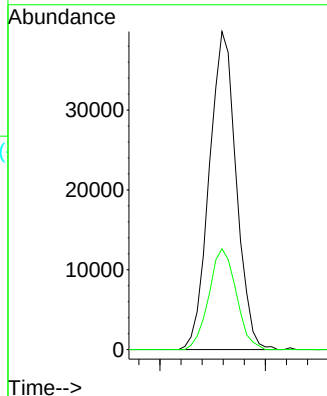
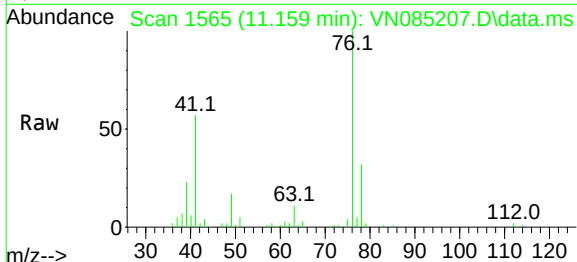
Manual Integrations
APPROVED

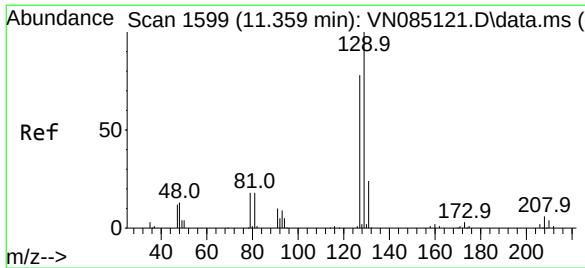
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#52
1,3-Dichloropropane
Concen: 19.192 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:	76	Resp:	70887
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	65.6





#53

Dibromochloromethane

Concen: 18.970 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. 0.006 min

Lab File: VN085207.D

Acq: 16 Dec 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:129 Resp: 51019

Ion Ratio Lower Upper

129 100

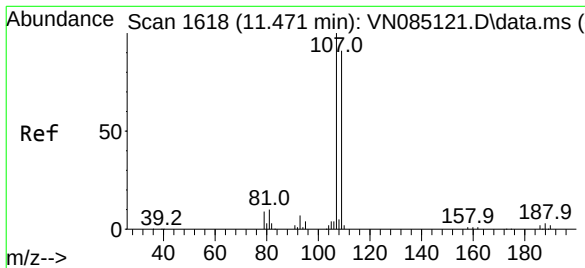
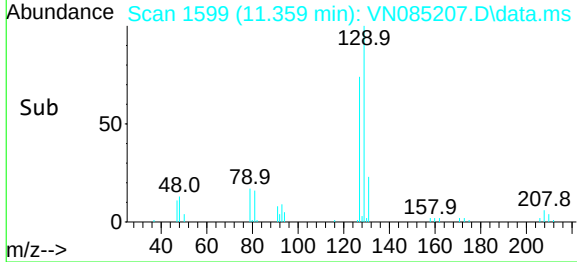
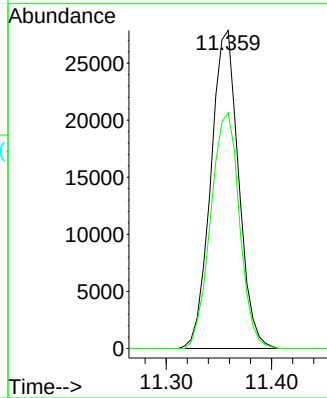
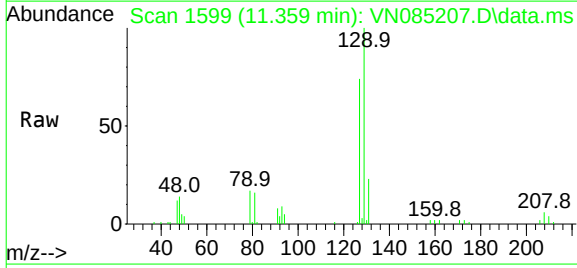
127 76.8 37.3 111.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#54

1,2-Dibromoethane

Concen: 19.116 ug/l

RT: 11.465 min Scan# 1617

Delta R.T. 0.000 min

Lab File: VN085207.D

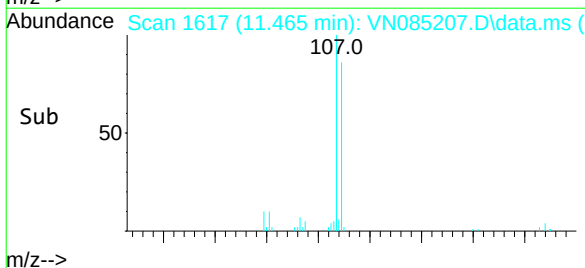
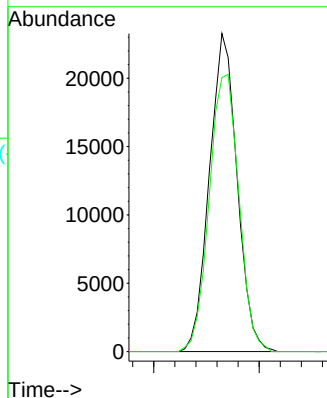
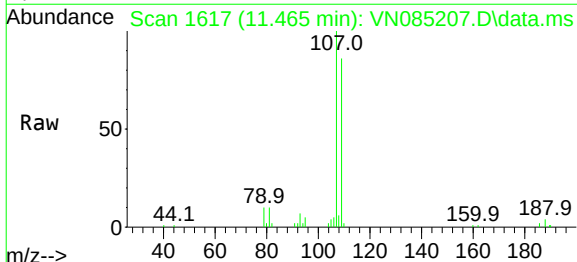
Acq: 16 Dec 2024 09:42

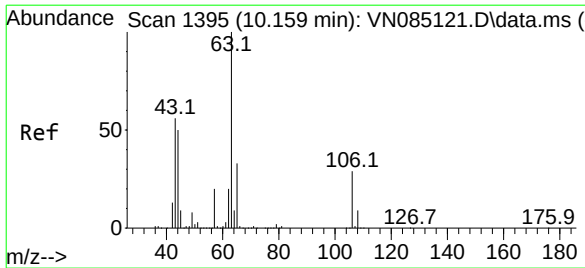
Tgt Ion:107 Resp: 42506

Ion Ratio Lower Upper

107 100

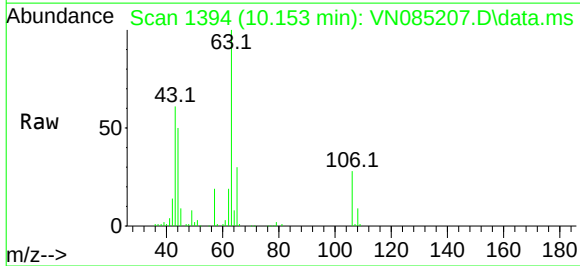
109 93.2 75.2 112.8





#55
2-Chloroethyl vinyl ether
Concen: 78.348 ug/l
RT: 10.153 min Scan# 1395
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

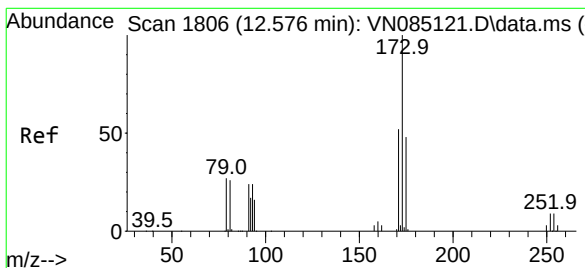
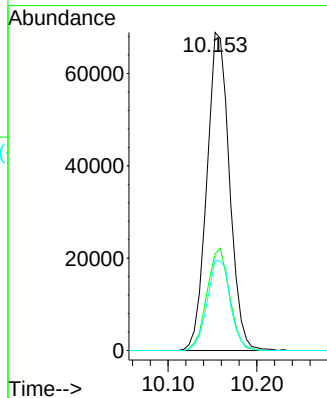
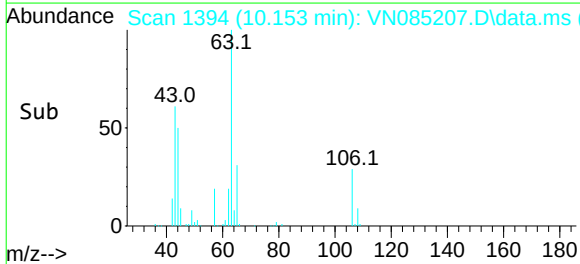
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



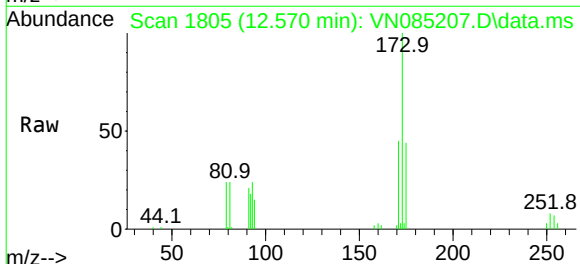
Tgt Ion: 63 Resp: 122170
Ion Ratio Lower Upper
63 100
65 31.9 25.9 38.9
106 29.2 23.5 35.3

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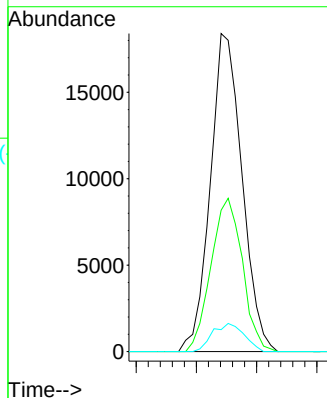
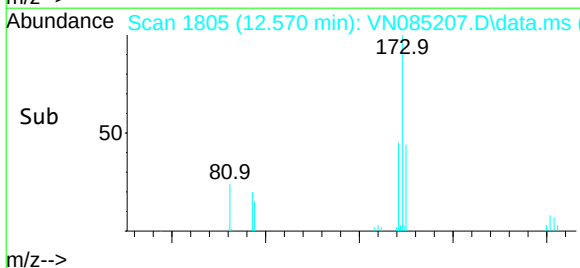
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

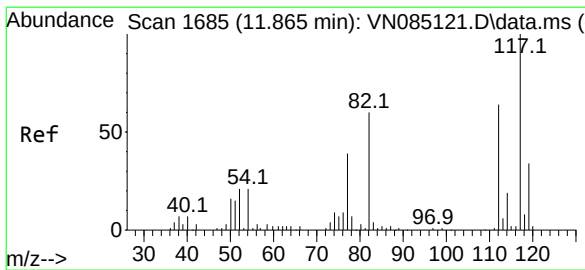


#56
Bromoform
Concen: 18.650 ug/l
RT: 12.570 min Scan# 1805
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42



Tgt Ion:173 Resp: 33630
Ion Ratio Lower Upper
173 100
175 47.7 40.2 60.2
254 8.9 6.2 9.4





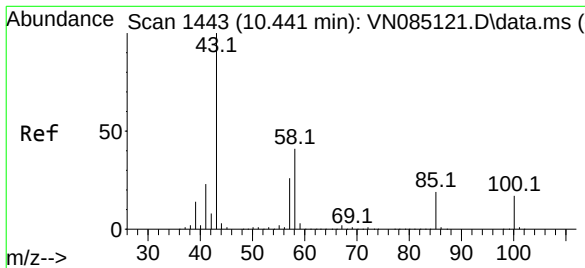
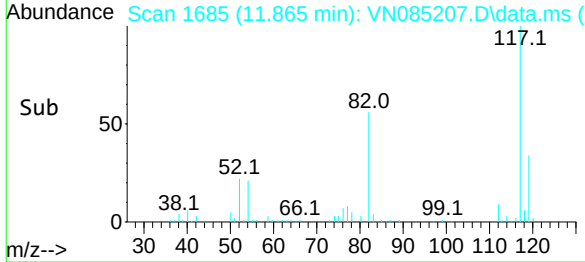
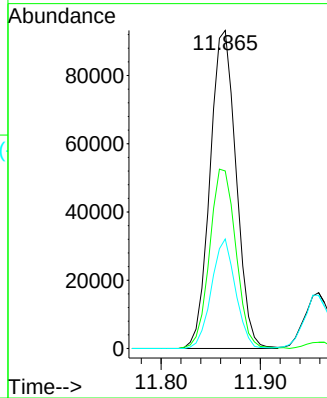
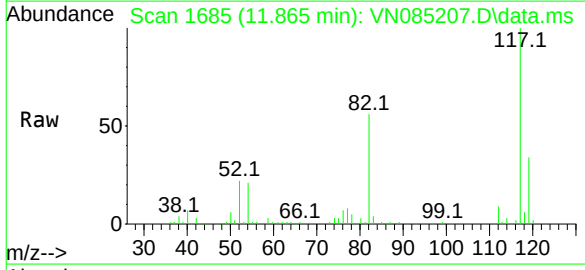
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 117 Resp: 170233
Ion Ratio Lower Upper
117 100
82 56.8 44.2 66.4
119 31.8 25.4 38.2

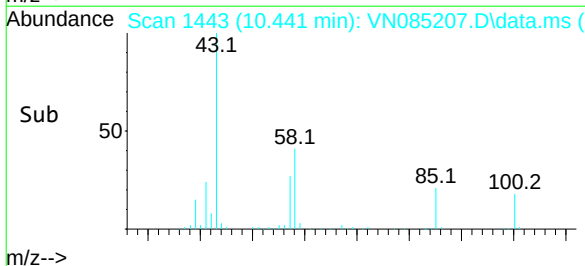
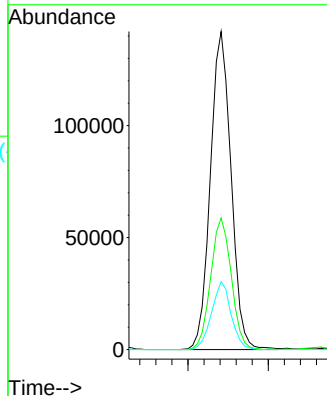
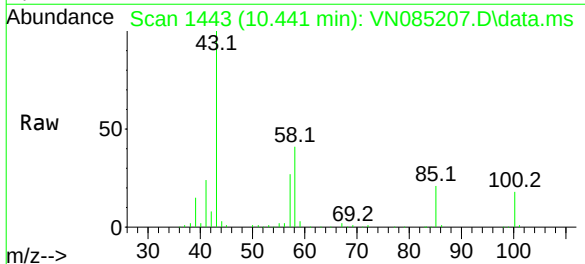
Manual Integrations
APPROVED

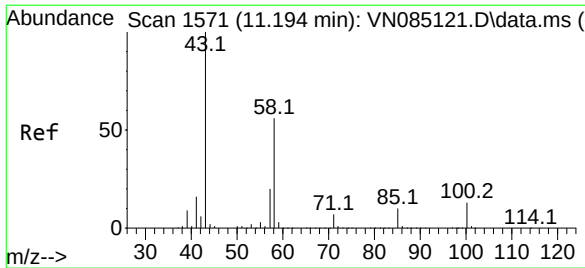
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#58
4-Methyl-2-Pentanone
Concen: 91.560 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

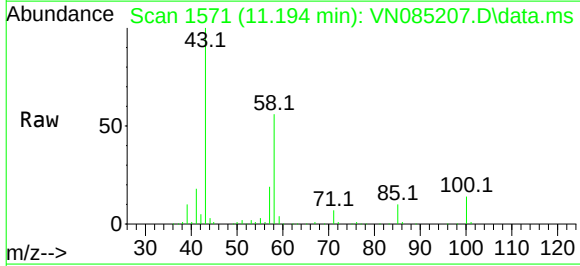
Tgt Ion: 43 Resp: 254378
Ion Ratio Lower Upper
43 100
58 41.1 31.6 47.4
85 20.2 15.0 22.6





#59
2-Hexanone
Concen: 94.267 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

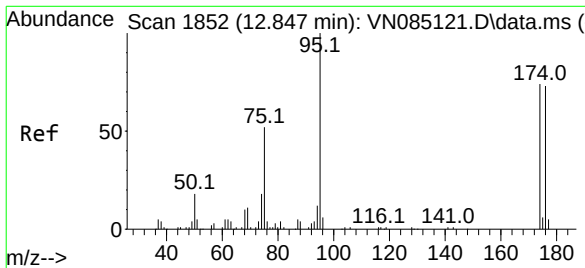
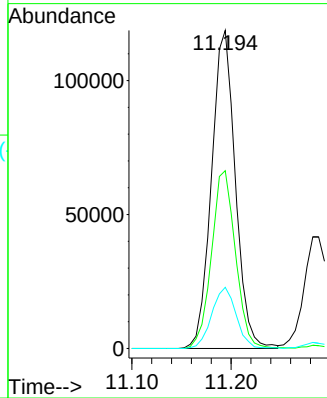
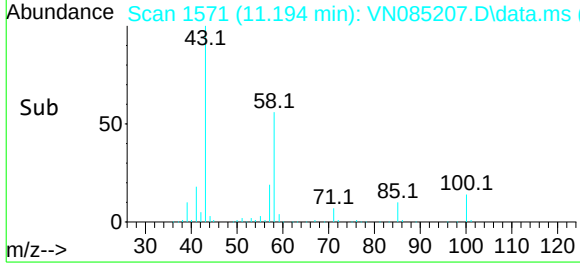
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



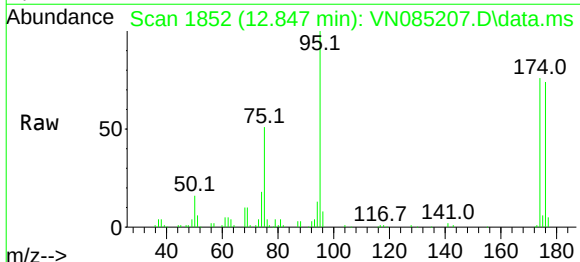
Tgt Ion: 43 Resp: 198443
Ion Ratio Lower Upper
43 100
58 56.2 43.6 65.4
57 19.6 15.4 23.0

Manual Integrations
APPROVED

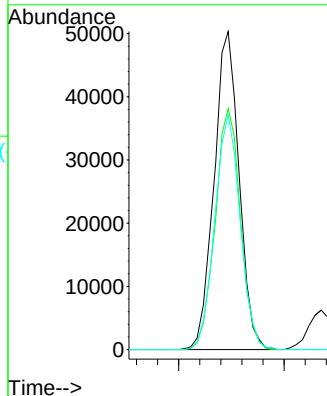
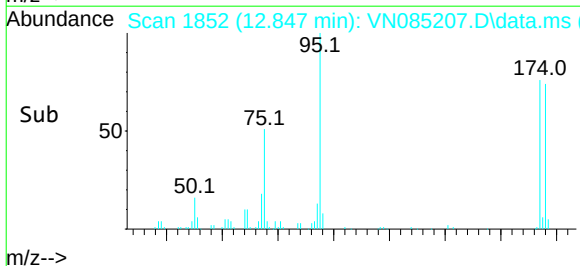
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

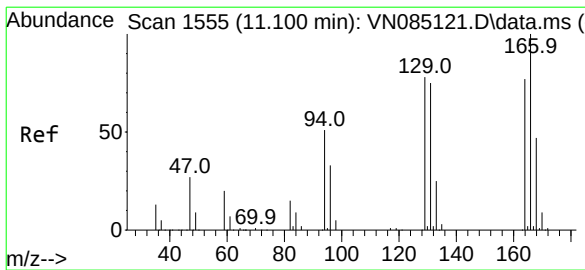


#60
4-Bromofluorobenzene
Concen: 29.423 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42



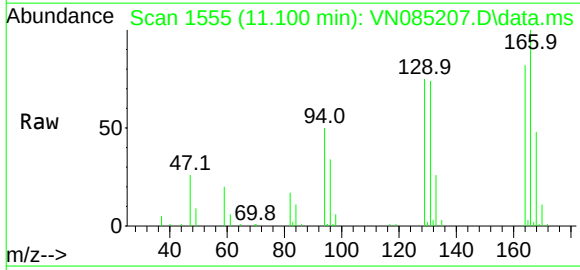
Tgt Ion: 95 Resp: 82875
Ion Ratio Lower Upper
95 100
174 76.4 60.3 90.5
176 74.9 57.4 86.0





#61
Tetrachloroethene
Concen: 19.885 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

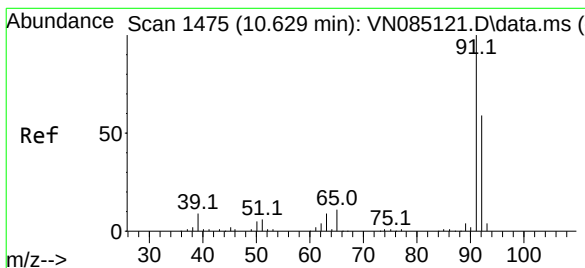
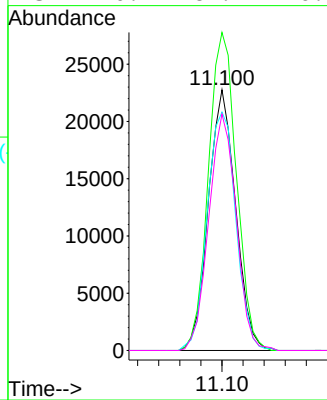
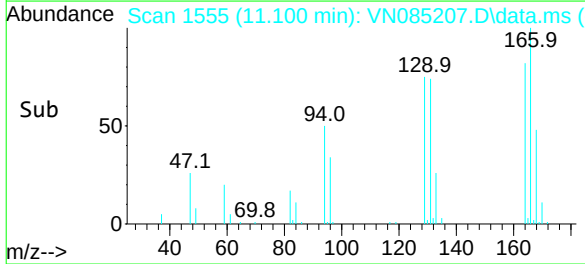
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 164 Resp: 40993
Ion Ratio Lower Upper
164 100
166 122.0 103.8 155.8
129 91.5 84.2 126.4
131 90.7 84.1 126.1

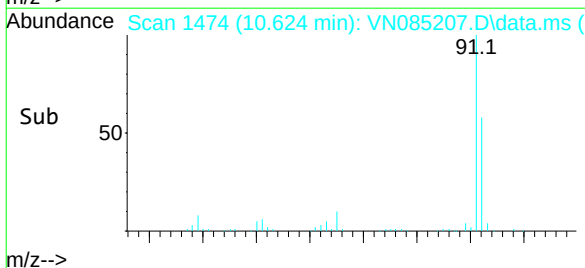
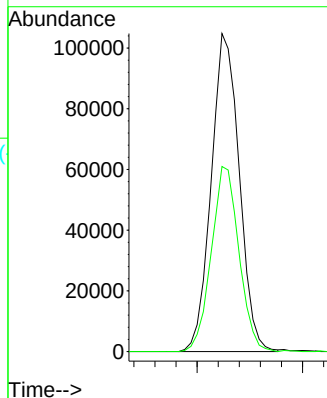
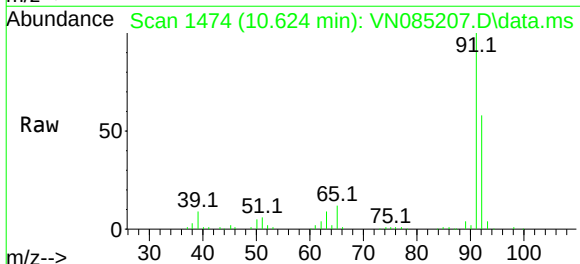
Manual Integrations
APPROVED

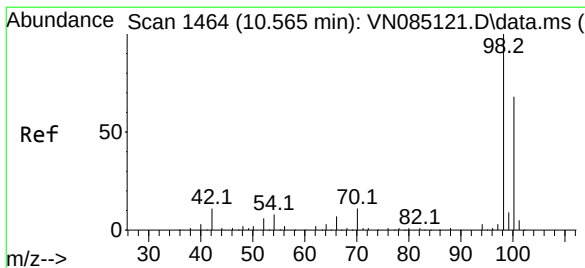
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#62
Toluene
Concen: 19.467 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 91 Resp: 193265
Ion Ratio Lower Upper
91 100
92 57.4 46.5 69.7





#63

Toluene-d8

Concen: 29.497 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085207.D

Acq: 16 Dec 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 98 Resp: 235545

Ion Ratio Lower Upper

98 100

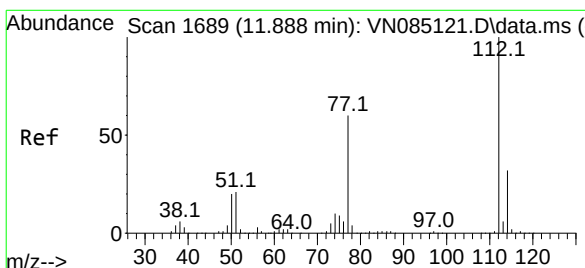
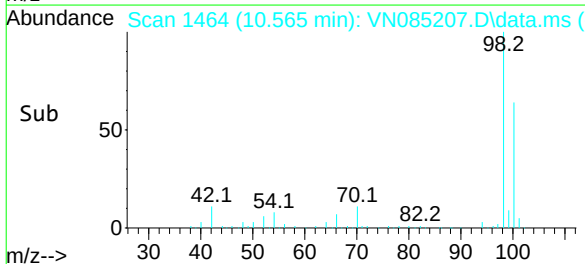
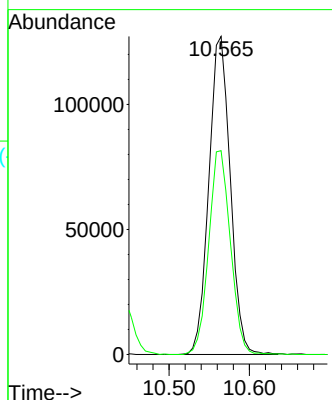
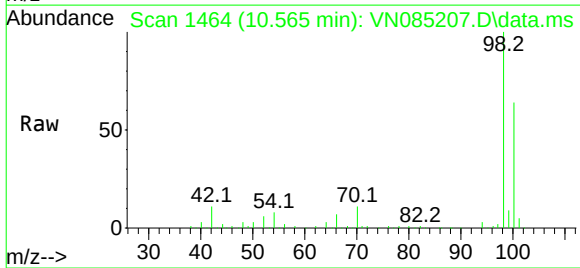
100 65.0 52.0 78.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#64

Chlorobenzene

Concen: 19.419 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. 0.000 min

Lab File: VN085207.D

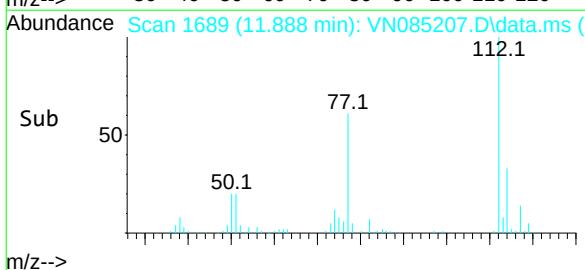
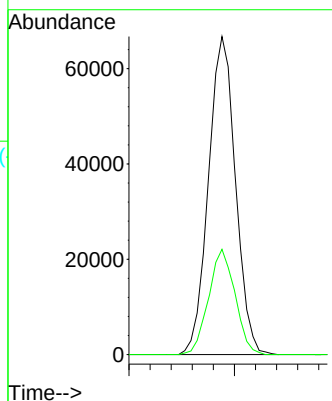
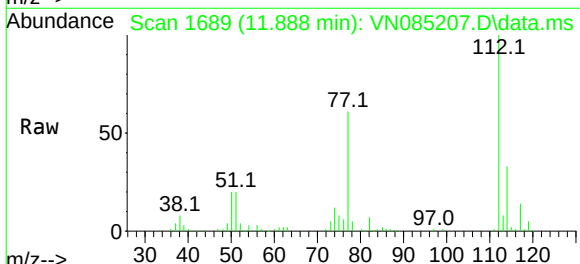
Acq: 16 Dec 2024 09:42

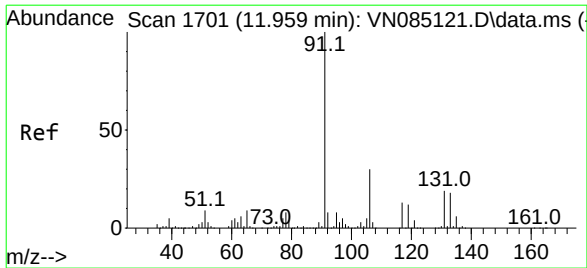
Tgt Ion:112 Resp: 119028

Ion Ratio Lower Upper

112 100

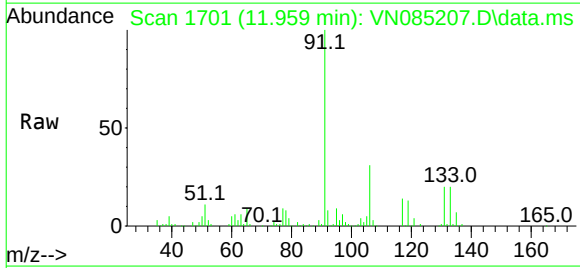
114 33.1 26.0 39.0





#65
1,1,1,2-Tetrachloroethane
Concen: 19.379 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

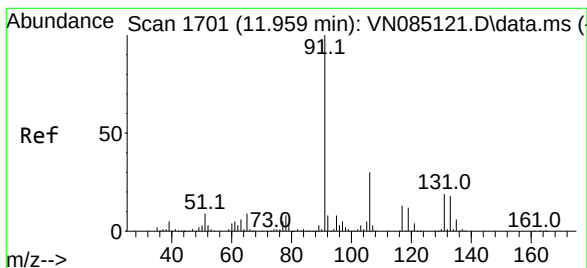
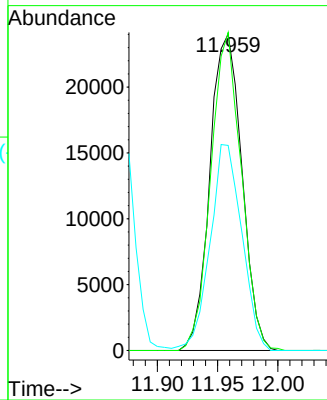
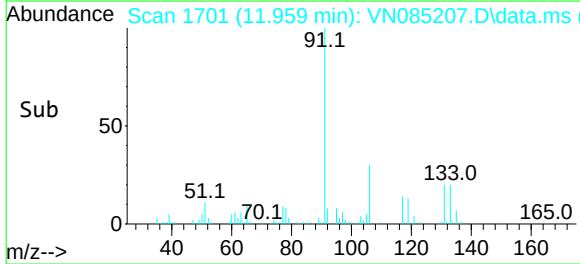
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 131 Resp: 44343
Ion Ratio Lower Upper
131 100
133 95.8 0.0 194.0
119 64.6 0.0 131.8

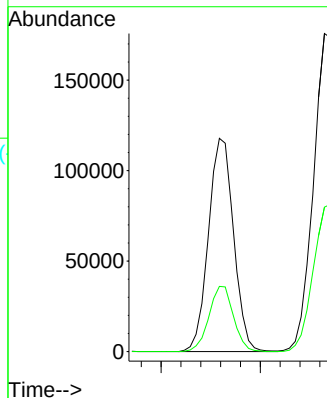
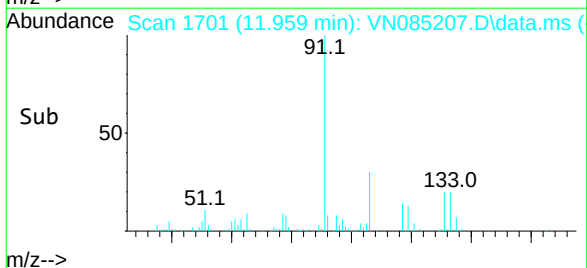
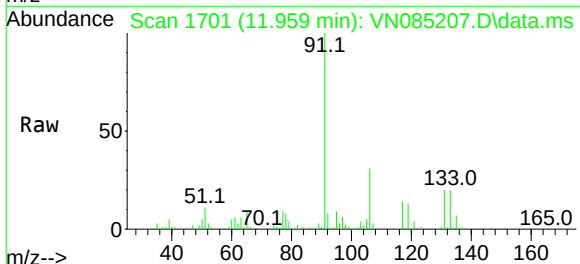
Manual Integrations
APPROVED

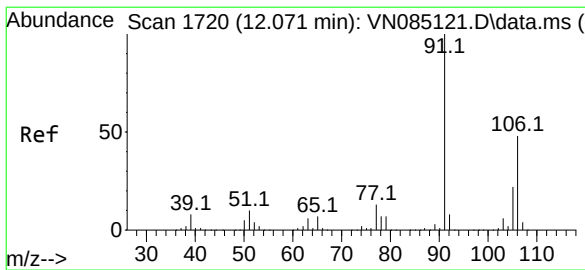
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#66
Ethyl Benzene
Concen: 19.728 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 91 Resp: 207827
Ion Ratio Lower Upper
91 100
106 30.6 23.1 34.7





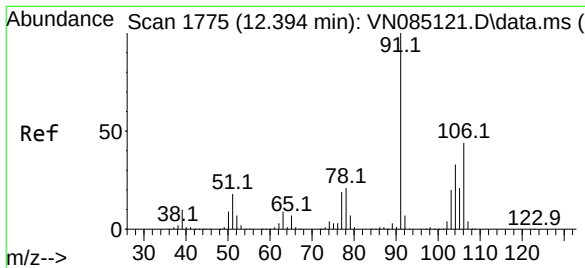
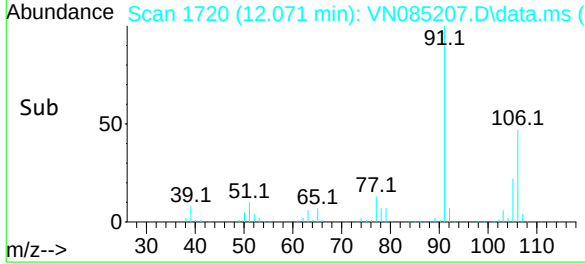
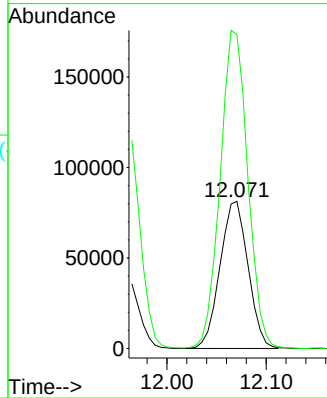
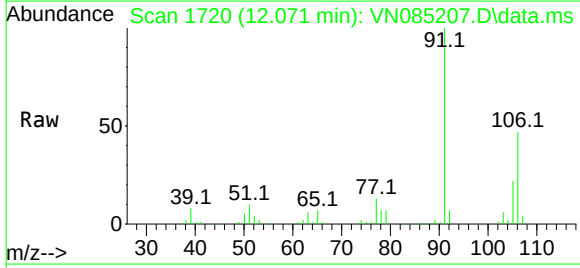
#67
m/p-Xylenes
Concen: 39.379 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 159560
Ion Ratio Lower Upper
106 100
91 212.7 165.0 247.4

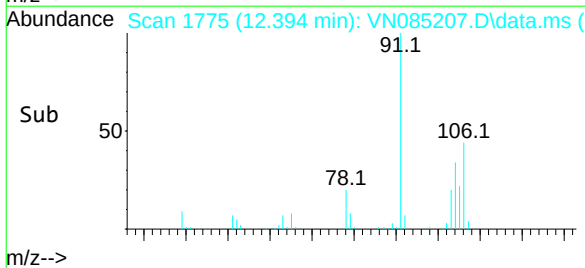
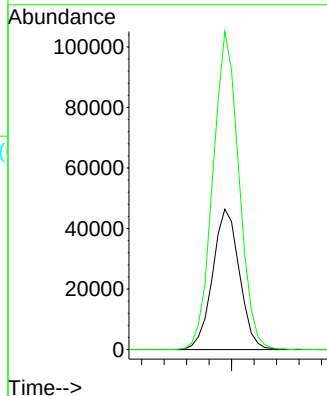
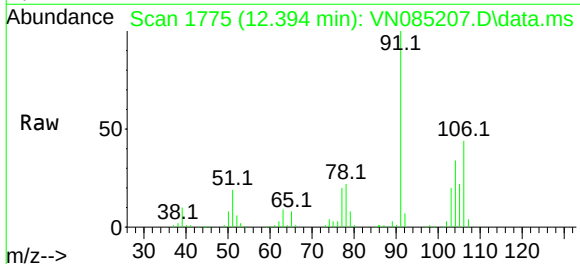
Manual Integrations
APPROVED

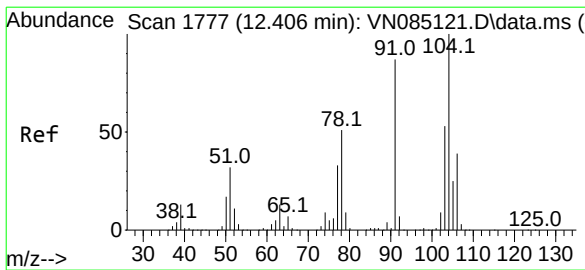
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#68
o-Xylene
Concen: 20.208 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:106 Resp: 76900
Ion Ratio Lower Upper
106 100
91 220.1 112.1 336.4





#69

Styrene

Concen: 19.998 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.006 min

Lab File: VN085207.D

Acq: 16 Dec 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

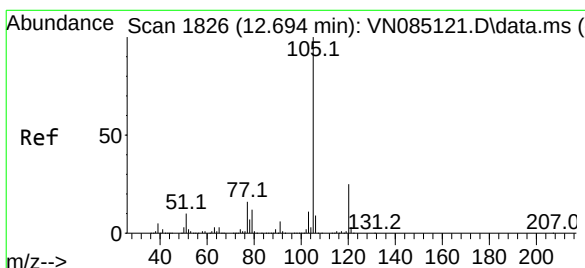
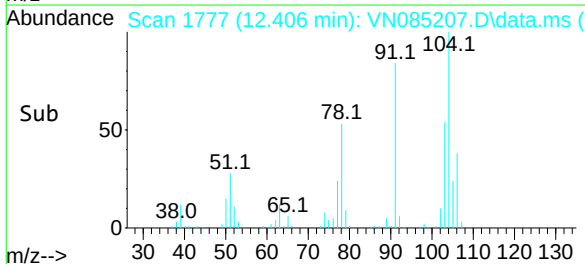
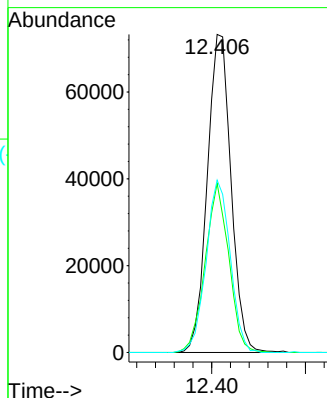
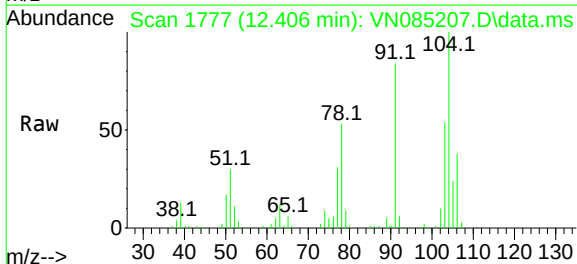
Tgt Ion:	104	Resp:	129131
Ion Ratio	Lower	Upper	
104	100		
78	52.8	42.3	63.5
103	55.1	44.4	66.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#70

Isopropylbenzene

Concen: 20.013 ug/l

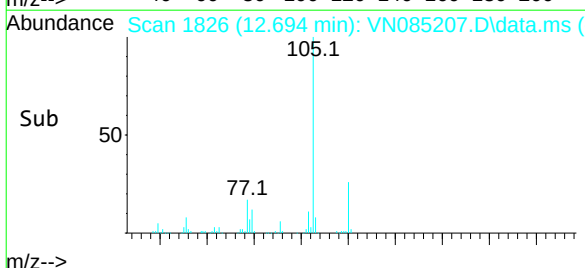
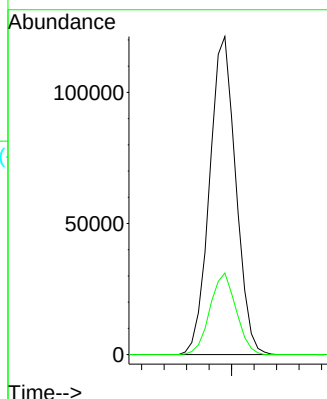
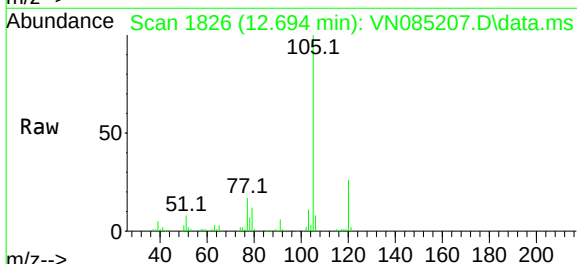
RT: 12.694 min Scan# 1826

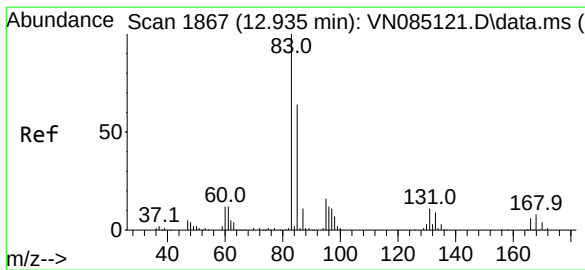
Delta R.T. 0.000 min

Lab File: VN085207.D

Acq: 16 Dec 2024 09:42

Tgt Ion:	105	Resp:	196429
Ion Ratio	Lower	Upper	
105	100		
120	25.5	18.3	33.9





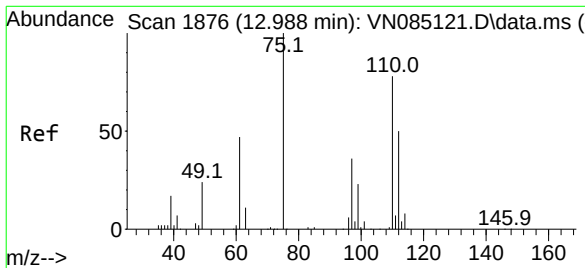
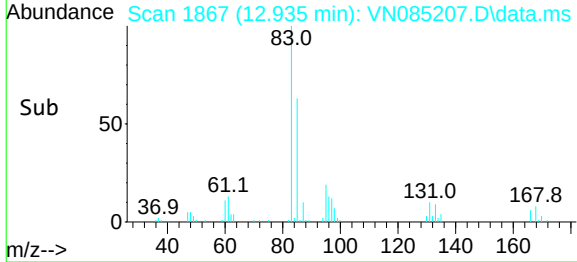
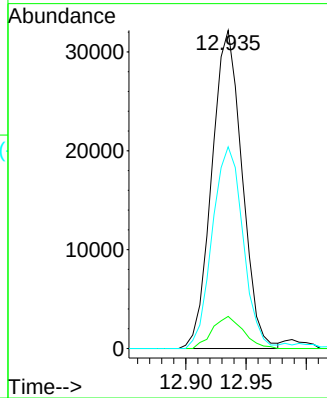
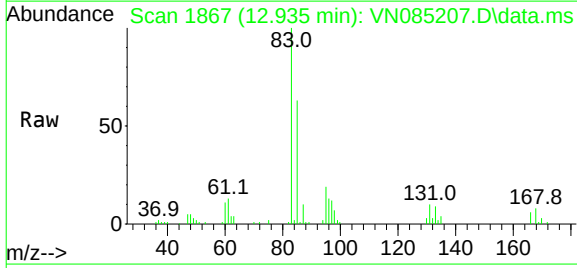
#71
1,1,2,2-Tetrachloroethane
Concen: 18.796 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.3
85	64.2	31.1	93.5

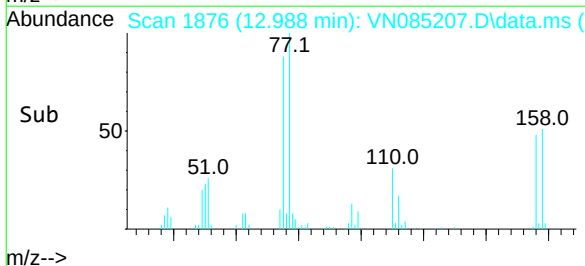
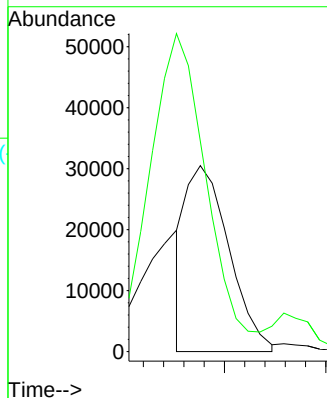
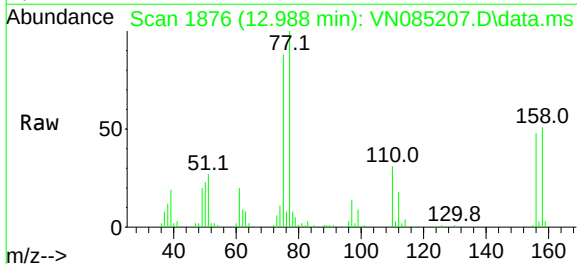
Manual Integrations
APPROVED

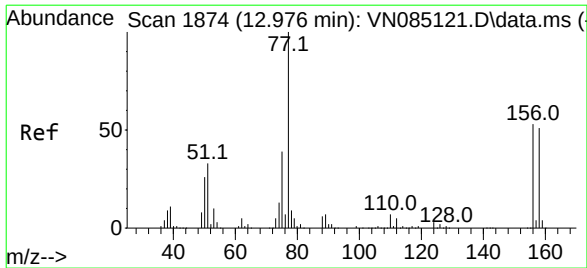
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#72
1,2,3-Trichloropropane
Concen: 15.346 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	225.6	0.0	339.0





#73

Bromobenzene

Concen: 19.638 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. 0.000 min

Lab File: VN085207.D

Acq: 16 Dec 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

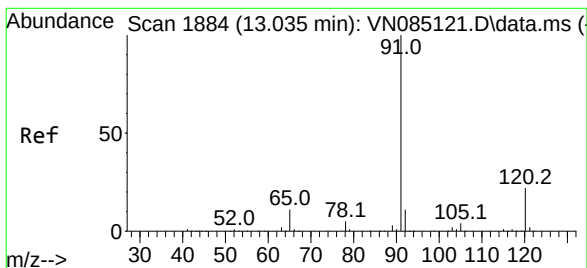
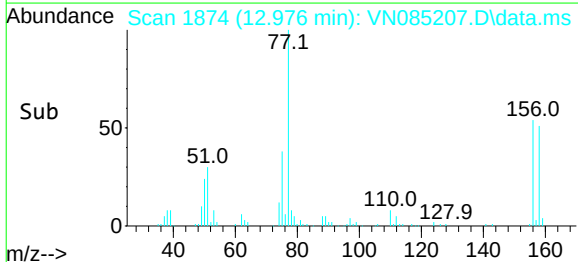
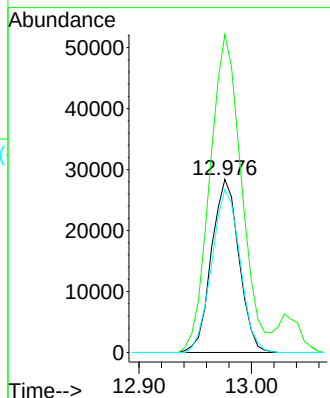
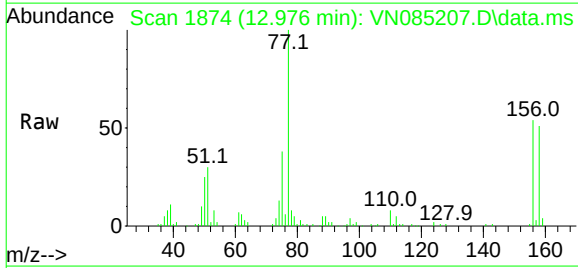
Tgt Ion	Ratio	Lower	Upper
156	100		
77	211.6	0.0	430.4
158	97.0	0.0	195.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#74

n-propylbenzene

Concen: 19.456 ug/l

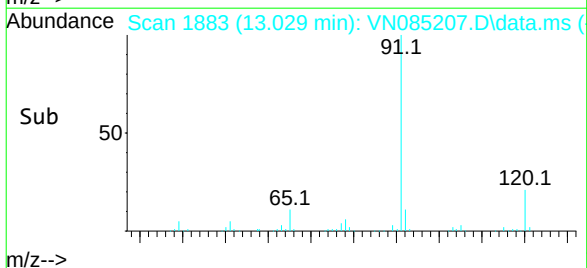
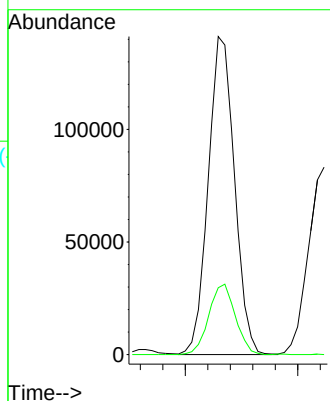
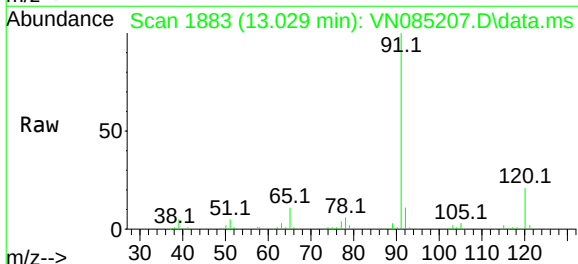
RT: 13.029 min Scan# 1883

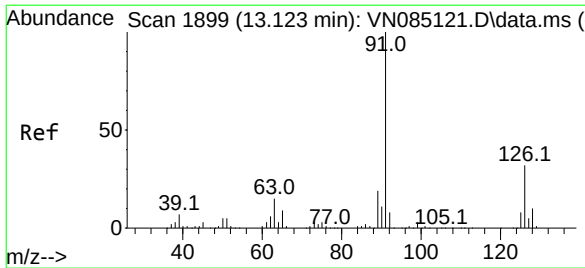
Delta R.T. -0.006 min

Lab File: VN085207.D

Acq: 16 Dec 2024 09:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	0.0	44.0





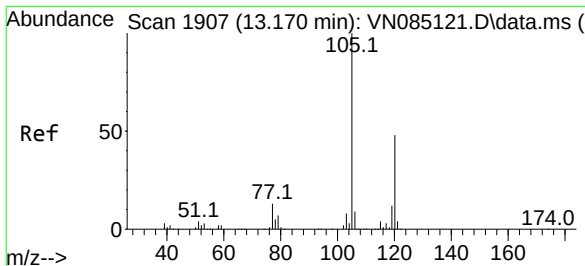
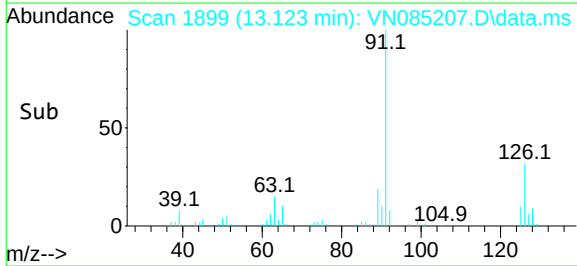
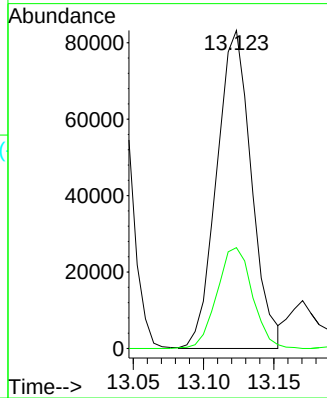
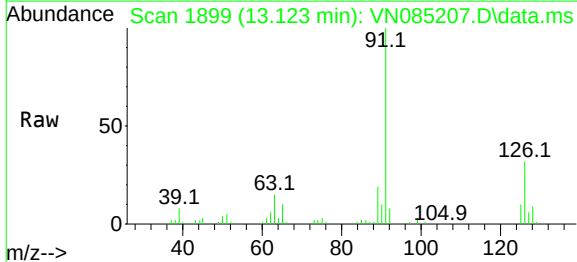
#75
2-Chlorotoluene
Concen: 19.627 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 143192
Ion Ratio Lower Upper
91 100
126 32.3 0.0 64.2

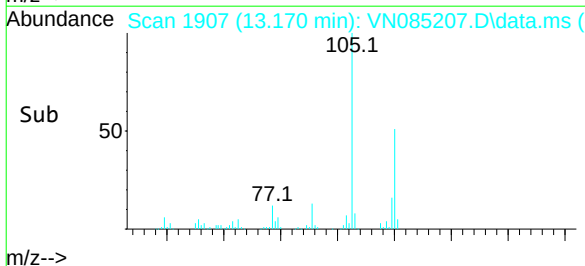
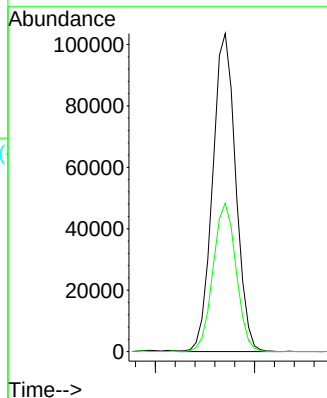
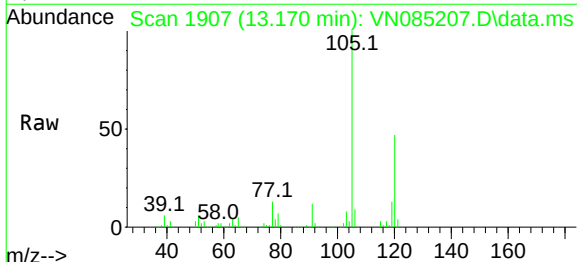
Manual Integrations
APPROVED

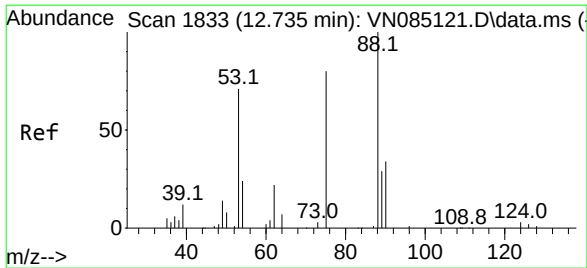
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#76
1,3,5-Trimethylbenzene
Concen: 19.931 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

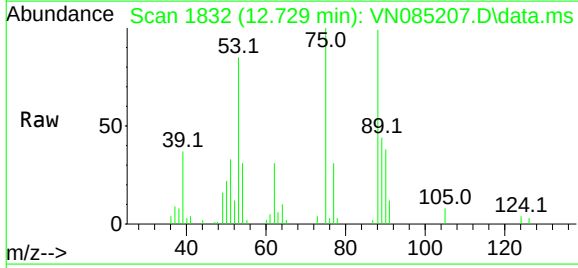
Tgt Ion:105 Resp: 167597
Ion Ratio Lower Upper
105 100
120 46.5 0.0 94.4





#77
t-1,4-Dichloro-2-butene
Concen: 18.888 ug/l
RT: 12.729 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

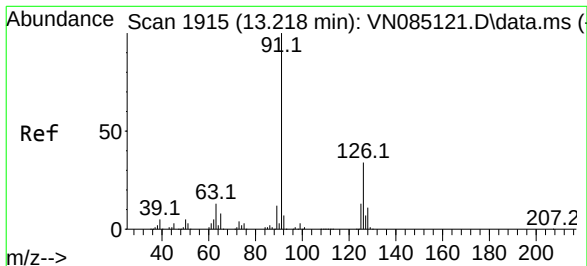
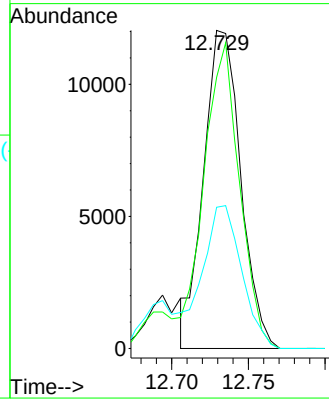
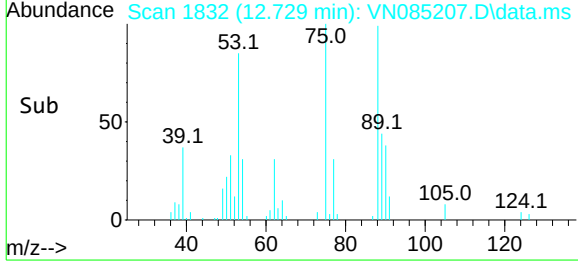
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 75 Resp: 20254
Ion Ratio Lower Upper
75 100
53 85.3 49.1 147.3
89 44.4 22.9 68.5

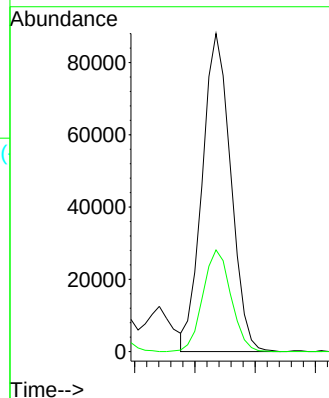
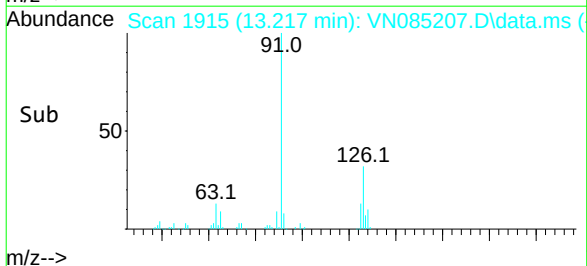
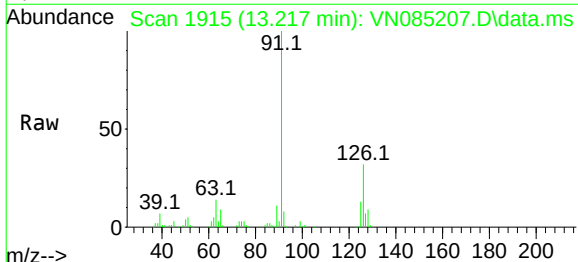
Manual Integrations
APPROVED

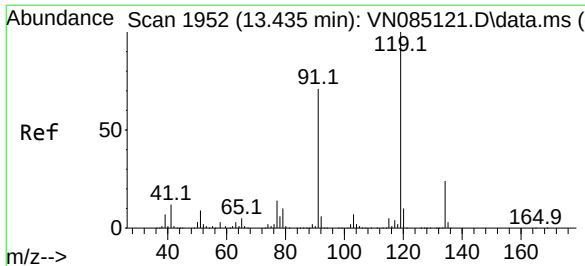
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#78
4-Chlorotoluene
Concen: 19.557 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 91 Resp: 144822
Ion Ratio Lower Upper
91 100
126 31.4 0.0 64.4





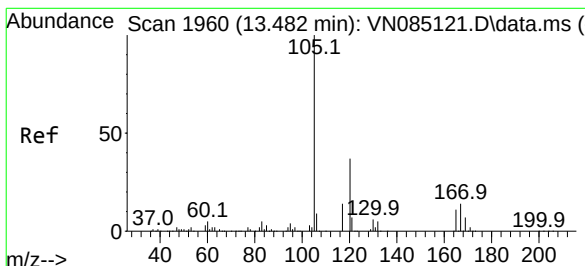
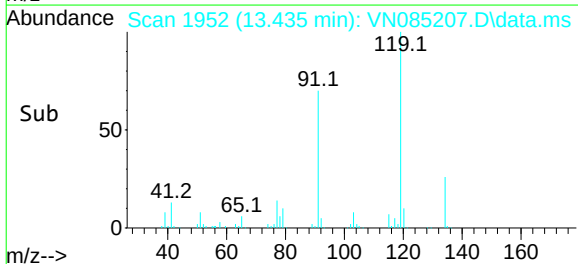
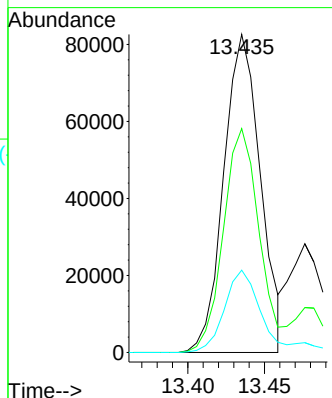
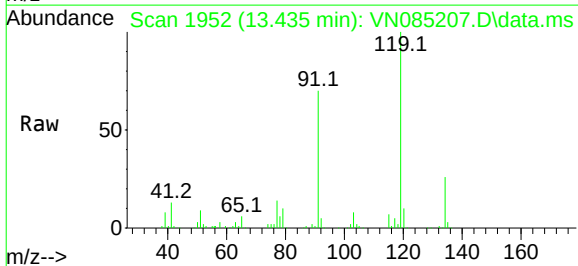
#79
tert-butylbenzene
Concen: 19.890 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:119 Resp: 137376
Ion Ratio Lower Upper
119 100
91 68.0 0.0 139.2
134 24.8 0.0 48.0

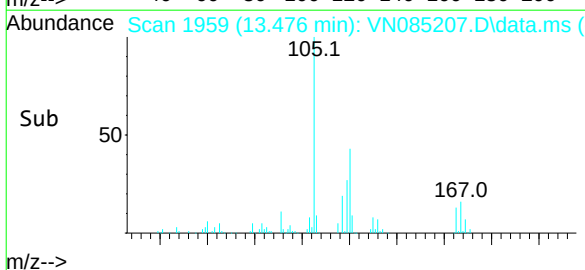
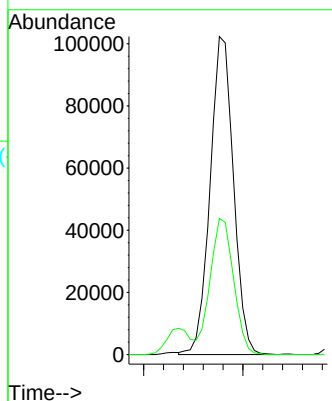
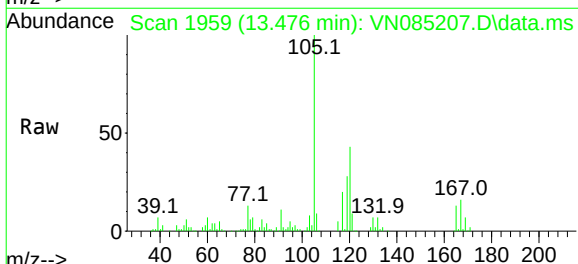
Manual Integrations
APPROVED

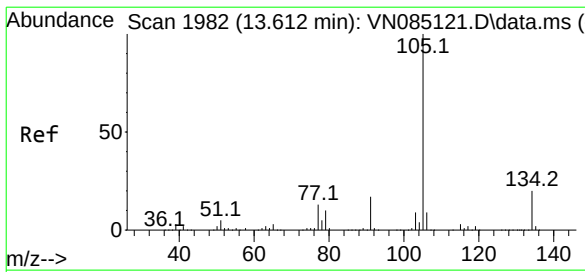
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#80
1,2,4-Trimethylbenzene
Concen: 20.193 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:105 Resp: 167722
Ion Ratio Lower Upper
105 100
120 42.7 0.0 87.4





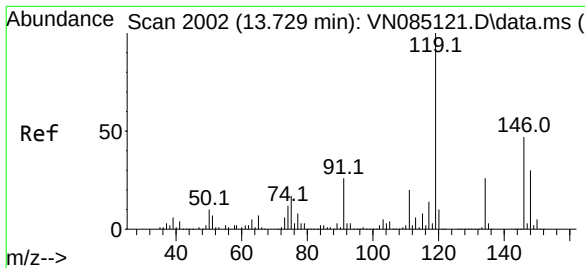
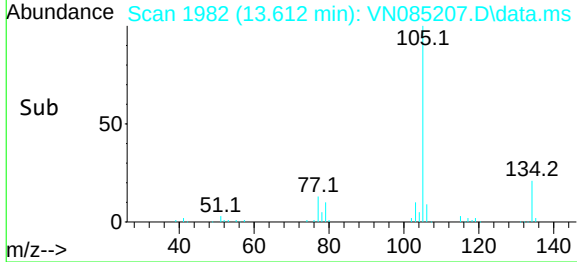
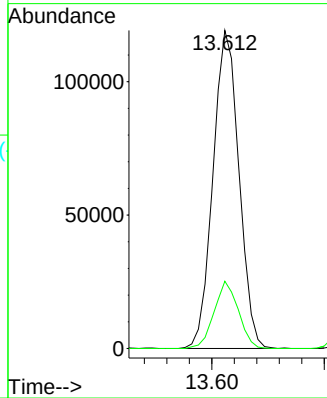
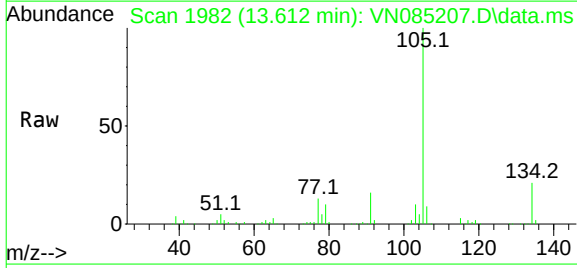
#81
sec-Butylbenzene
Concen: 19.466 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:105 Resp: 191002
Ion Ratio Lower Upper
105 100
134 19.8 0.0 38.0

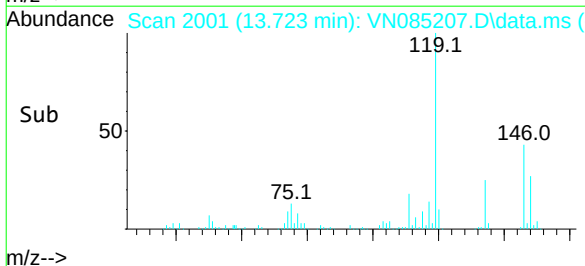
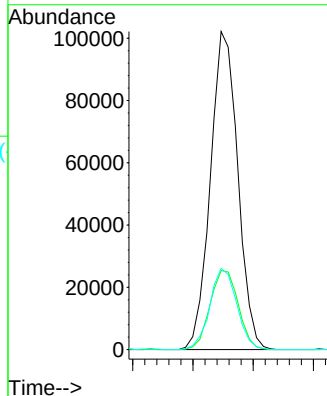
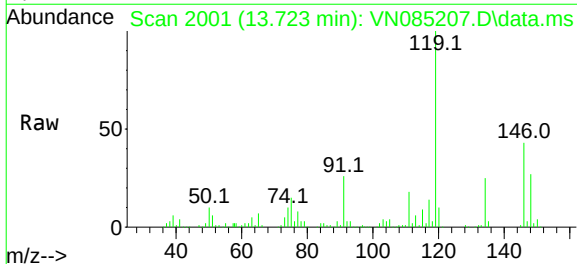
Manual Integrations
APPROVED

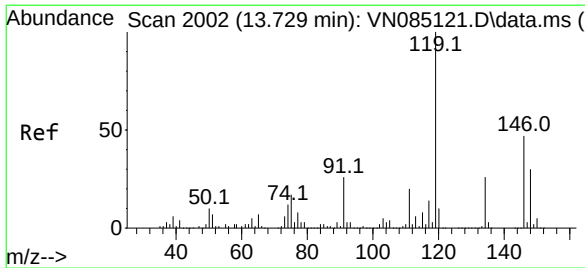
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#82
p-Isopropyltoluene
Concen: 19.841 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:119 Resp: 161402
Ion Ratio Lower Upper
119 100
134 25.6 0.0 51.6
91 25.1 0.0 50.4





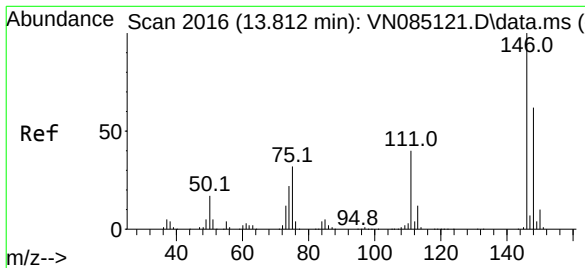
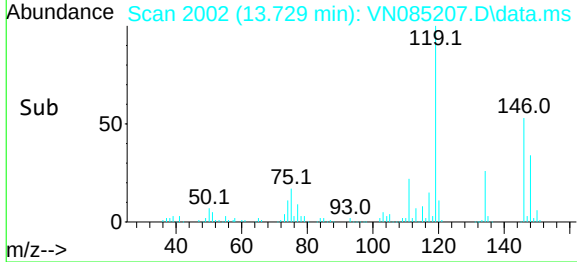
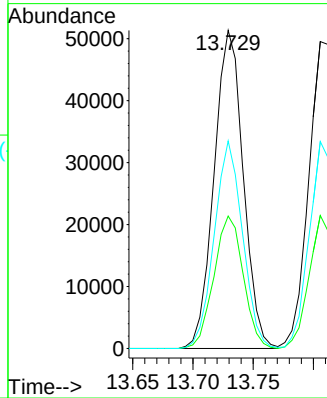
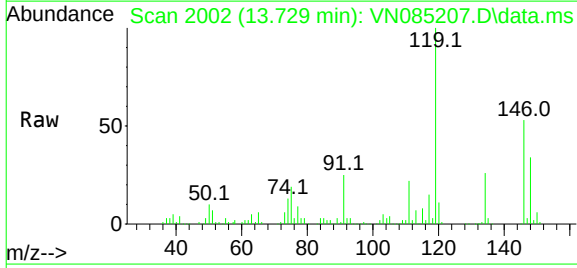
#83
1,3-Dichlorobenzene
Concen: 19.150 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:	146	Resp:	86373
Ion Ratio	Lower	Upper	
146	100		
111	41.9	21.1	63.3
148	63.3	31.8	95.3

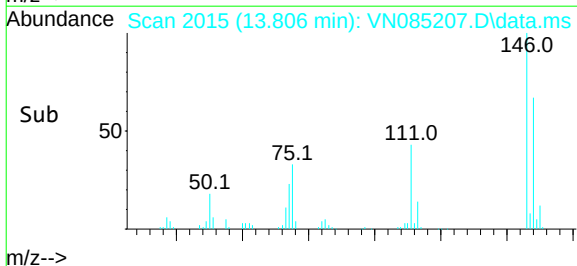
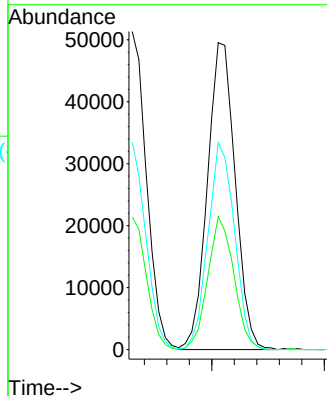
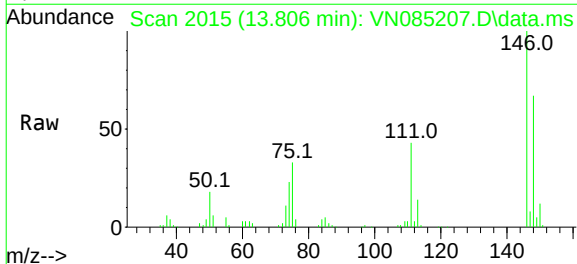
Manual Integrations
APPROVED

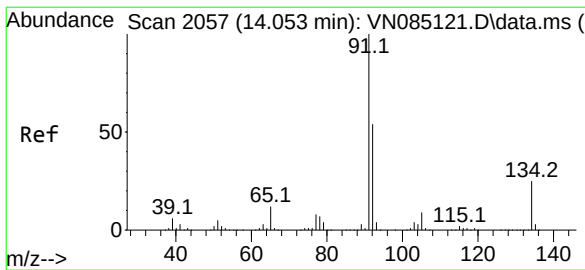
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#84
1,4-Dichlorobenzene
Concen: 19.386 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:	146	Resp:	85216
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.1	60.3
148	64.3	31.6	94.7





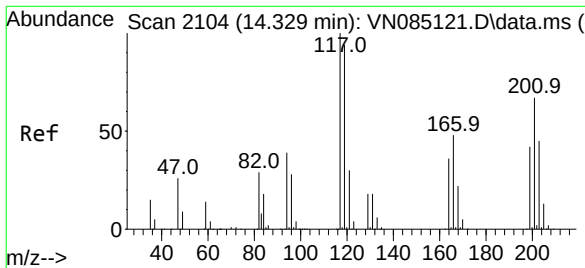
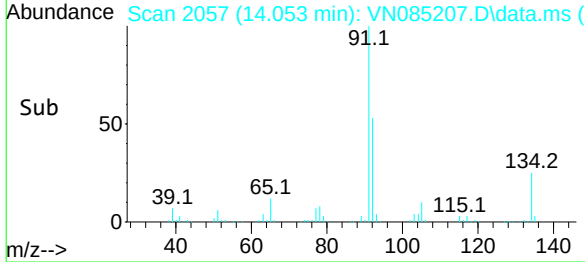
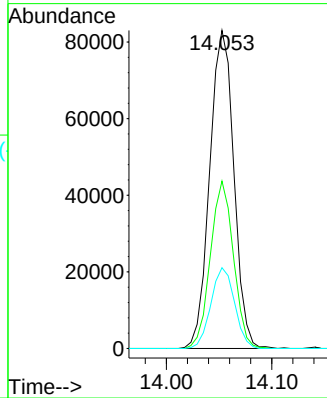
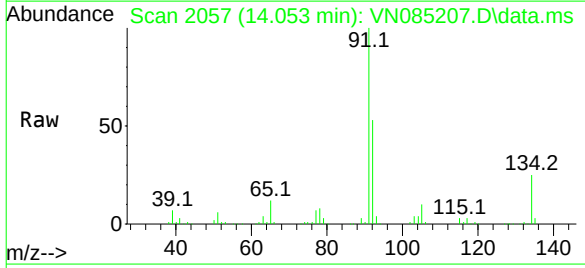
#85
n-Butylbenzene
Concen: 19.359 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 132097
Ion Ratio Lower Upper
91 100
92 50.3 0.0 104.0
134 24.9 0.0 49.2

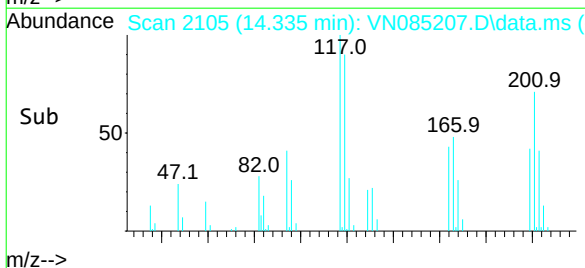
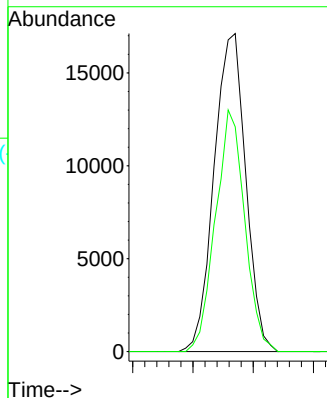
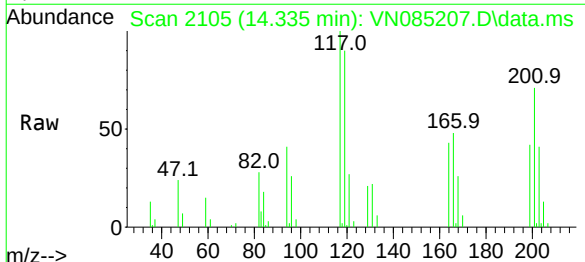
Manual Integrations
APPROVED

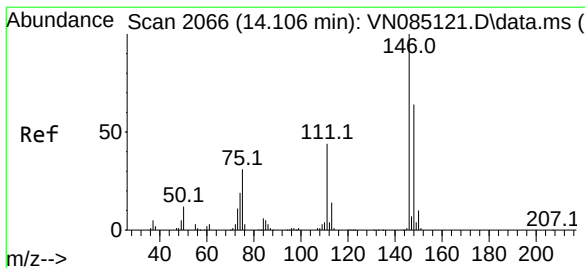
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#86
Hexachloroethane
Concen: 19.297 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:117 Resp: 31250
Ion Ratio Lower Upper
117 100
201 70.2 34.1 102.3





#87

1,2-Dichlorobenzene

Concen: 19.338 ug/l

RT: 14.100 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VN085207.D

Acq: 16 Dec 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

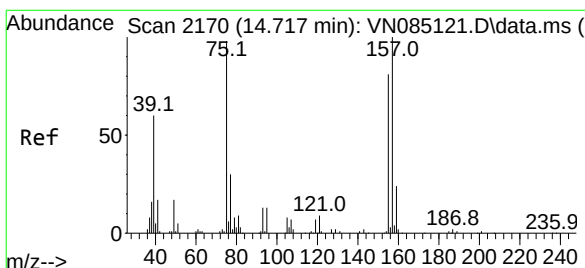
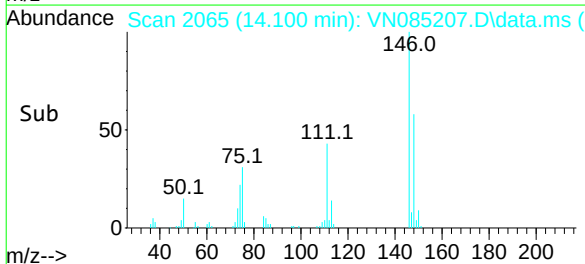
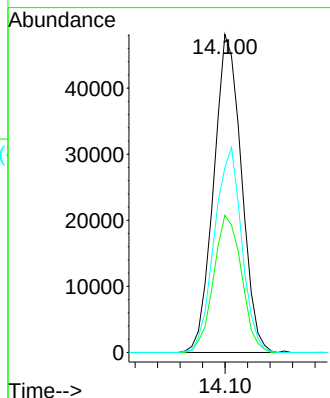
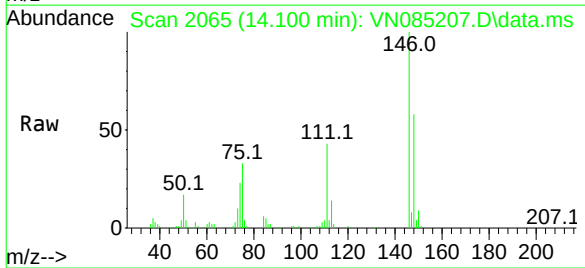
Tgt Ion:	146	Resp:	82331
Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.9	65.7
148	63.8	32.4	97.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.026 ug/l

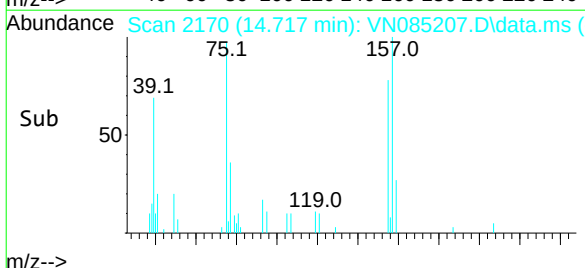
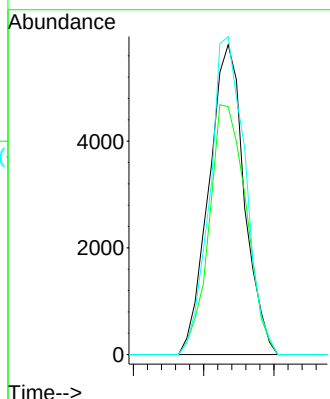
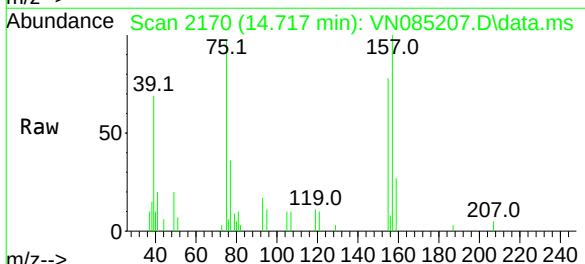
RT: 14.717 min Scan# 2170

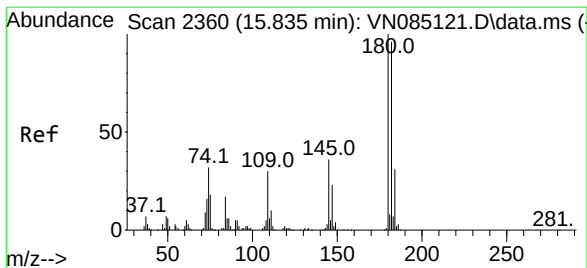
Delta R.T. 0.000 min

Lab File: VN085207.D

Acq: 16 Dec 2024 09:42

Tgt Ion:	75	Resp:	10161
Ion	Ratio	Lower	Upper
75	100		
155	84.2	62.1	93.1
157	102.2	79.3	118.9





#89

1,2,4-Trichlorobenzene

Concen: 19.190 ug/l

RT: 15.835 min Scan# 23

Delta R.T. 0.000 min

Lab File: VN085207.D

Acq: 16 Dec 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

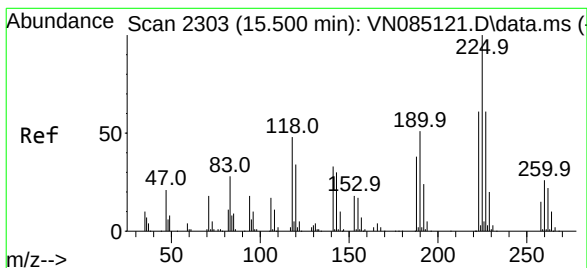
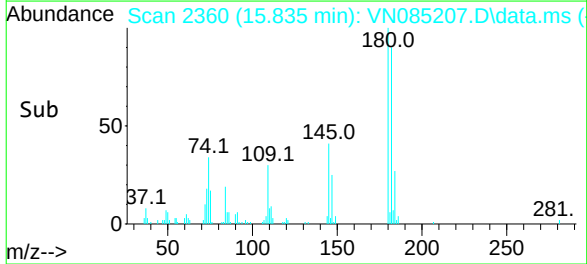
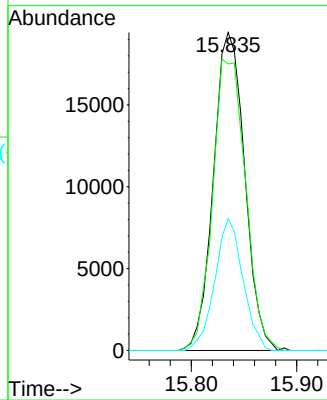
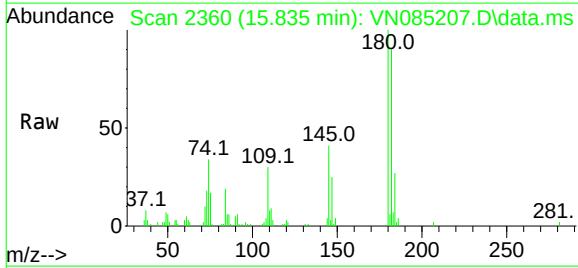
Tgt Ion:	180	Resp:	40011
Ion Ratio	Lower	Upper	
180	100		
182	96.5	74.0	111.0
145	37.4	28.6	43.0

Manual Integrations

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Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#90

Hexachlorobutadiene

Concen: 19.995 ug/l

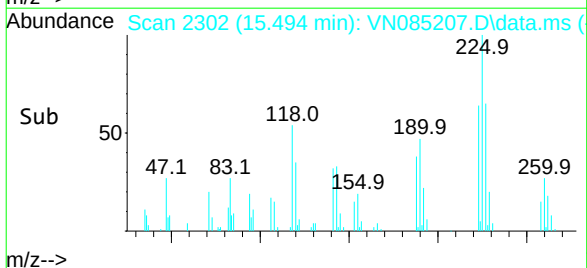
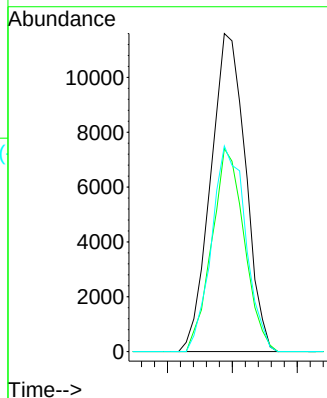
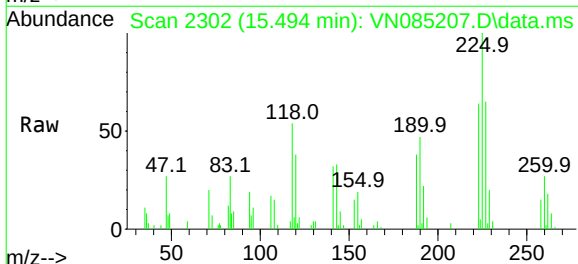
RT: 15.494 min Scan# 2302

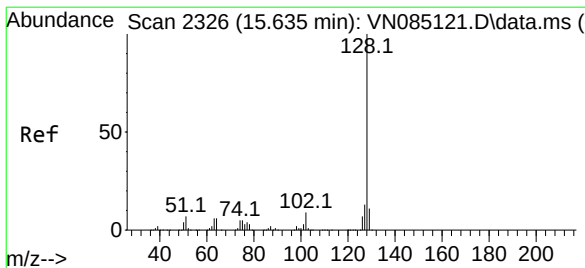
Delta R.T. -0.006 min

Lab File: VN085207.D

Acq: 16 Dec 2024 09:42

Tgt Ion:	225	Resp:	21664
Ion Ratio	Lower	Upper	
225	100		
223	59.5	0.0	121.8
227	63.0	0.0	126.8





#91

Naphthalene

Concen: 18.602 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.006 min

Lab File: VN085207.D

Acq: 16 Dec 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

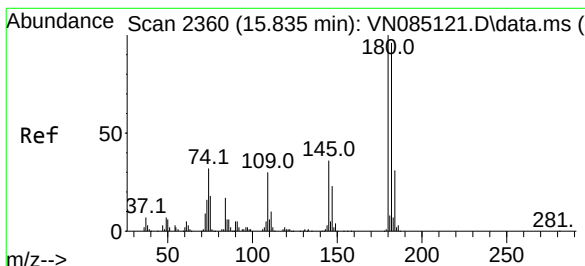
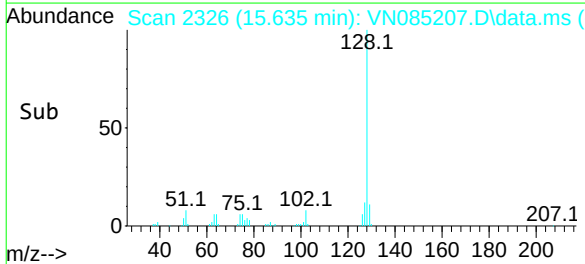
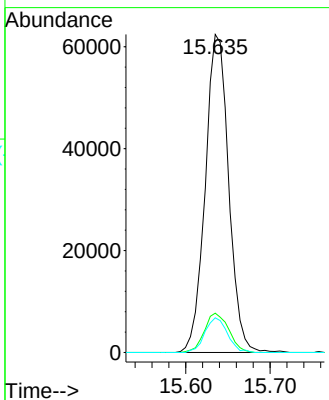
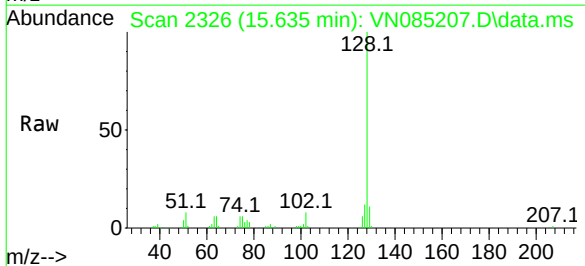
Tgt Ion:	128	Resp:	120498
Ion Ratio	Lower	Upper	
128	100		
127	12.9	11.0	16.4
129	10.5	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#92

1,2,3-Trichlorobenzene

Concen: 19.190 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN085207.D

Acq: 16 Dec 2024 09:42

Tgt Ion:	180	Resp:	40011
Ion Ratio	Lower	Upper	
180	100		
182	96.5	0.0	185.0
145	37.4	0.0	71.6

