

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121924\
 Data File : VN085270.D
 Acq On : 19 Dec 2024 17:11
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2024
 Supervised By : Mahesh Dadoda 12/20/2024

Quant Time: Dec 20 00:51:27 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	7.806	128	30504	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	144032	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	138361	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	79537	32.861	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 109.533%			
60) 4-Bromofluorobenzene	12.847	95	69268	30.257	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.867%			
63) Toluene-d8	10.565	98	201864	31.103	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.667%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	46152	18.911	ug/l	94
3) Chloromethane	2.353	50	45108	20.882	ug/l	98
4) Vinyl Chloride	2.512	62	44010	19.919	ug/l	99
5) Bromomethane	2.959	94	25615	18.261	ug/l	96
6) Chloroethane	3.118	64	28140	20.731	ug/l	90
7) Trichlorofluoromethane	3.495	101	71498	19.770	ug/l	99
8) Diethyl Ether	3.959	74	22579	19.711	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.365	101	38111	18.844	ug/l	93
10) 1,1-Dichloroethene	4.342	96	33619	18.097	ug/l	83
11) Methyl Iodide	4.583	142	41718	16.192	ug/l	88
12) Methyl Acetate	5.018	43	55028	25.109	ug/l #	82
13) Acrolein	4.171	56	28287	88.818	ug/l	99
14) Acrylonitrile	5.718	53	99930	109.813	ug/l	91
15) Acetone	4.430	58	26671m	108.154	ug/l	
16) Carbon Disulfide	4.712	76	107301	19.324	ug/l	95
17) Allyl chloride	5.024	41	56595	21.291	ug/l	90
18) Methylene Chloride	5.277	84	40833	19.372	ug/l	87
19) trans-1,2-Dichloroethene	5.788	96	36588	18.949	ug/l	88
20) Diisopropyl ether	6.671	45	131316	22.510	ug/l #	95
21) 1,1-Dichloroethane	6.571	63	77031	21.394	ug/l	98
22) cis-1,2-Dichloroethene	7.488	96	42802	19.286	ug/l	92
23) tert-Butyl Alcohol	5.530	59	34162m	104.646	ug/l	
24) Methyl tert-Butyl Ether	5.794	73	117409	20.229	ug/l #	67
25) Chloroform	7.959	83	77171	20.459	ug/l	98
26) Cyclohexane	8.259	56	55241	18.633	ug/l #	86
29) 1,1-Dichloropropene	8.371	75	51998	22.373	ug/l	96
30) 2-Butanone	7.477	43	144066	135.076	ug/l	94
31) 2,2-Dichloropropane	7.488	77	64424	21.616	ug/l #	100
32) 1,1,1-Trichloroethane	8.165	97	70149	22.299	ug/l	95
33) Carbon Tetrachloride	8.359	117	60690	21.380	ug/l	92
34) Benzene	8.606	78	163473	22.390	ug/l	98
35) Methacrylonitrile	7.777	41	31408	26.168	ug/l	84
36) 1,2-Dichloroethane	8.671	62	62330	25.078	ug/l	99
37) Trichloroethene	9.353	130	34324	19.741	ug/l	98
38) Methylcyclohexane	9.606	83	47722	18.884	ug/l	95
39) 1,2-Dichloropropane	9.624	63	41250	23.326	ug/l	93
40) Dibromomethane	9.706	93	29131	22.965	ug/l	93
41) Bromodichloromethane	9.888	83	60770	22.410	ug/l	94
42) Vinyl Acetate	6.606	43	503513	134.913	ug/l	94

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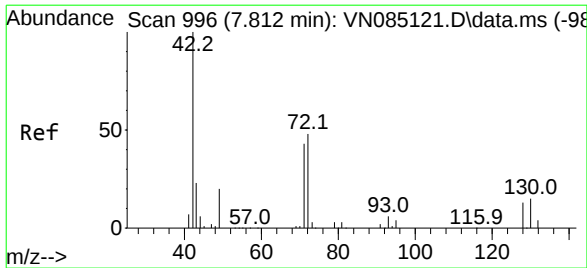
Manual Integrations
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Reviewed By : John Carlone 12/20/2024
 Supervised By : Mahesh Dadoda 12/20/2024

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 06 22:50:42 2024
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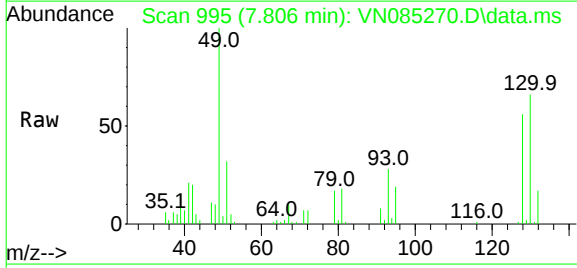
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	58419	27.529	ug/l	95
44) Isopropyl Acetate	8.688	43	96183	26.081	ug/l	93
45) 1,4-Dioxane	9.688	88	14203	461.839	ug/l #	90
46) Methyl methacrylate	9.676	41	44215	26.197	ug/l	90
47) n-amyl Acetate	12.494	43	80341	25.893	ug/l	95
48) t-1,3-Dichloropropene	10.835	75	55708	20.927	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	61998	21.394	ug/l #	88
50) 1,1,2-Trichloroethane	11.018	97	37893	22.168	ug/l	93
51) Ethyl methacrylate	10.871	69	54919	21.124	ug/l	89
52) 1,3-Dichloropropane	11.159	76	64715	22.622	ug/l	99
53) Dibromochloromethane	11.359	129	44418	21.323	ug/l	97
54) 1,2-Dibromoethane	11.470	107	36161	20.997	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	131594	108.960	ug/l	96
56) Bromoform	12.576	173	29354	21.017	ug/l	93
58) 4-Methyl-2-Pentanone	10.441	43	297440	131.721	ug/l	94
59) 2-Hexanone	11.194	43	217387	127.054	ug/l	93
61) Tetrachloroethene	11.106	164	30782	18.371	ug/l	97
62) Toluene	10.629	91	171364	21.237	ug/l	97
64) Chlorobenzene	11.888	112	99600	19.992	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	37662	20.251	ug/l	97
66) Ethyl Benzene	11.959	91	171471	20.026	ug/l	98
67) m/p-Xylenes	12.070	106	131452	39.915	ug/l	94
68) o-Xylene	12.400	106	61114	19.760	ug/l	100
69) Styrene	12.412	104	106956	20.379	ug/l	100
70) Isopropylbenzene	12.694	105	159885	20.043	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	58214	23.975	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	47642m	19.863	ug/l	
73) Bromobenzene	12.976	156	37580	18.807	ug/l	86
74) n-propylbenzene	13.035	91	194752	20.307	ug/l	98
75) 2-Chlorotoluene	13.123	91	120092	20.253	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	136619	19.990	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	18158	20.834	ug/l	92
78) 4-Chlorotoluene	13.217	91	126000	20.935	ug/l	97
79) tert-butylbenzene	13.435	119	108214	19.277	ug/l	96
80) 1,2,4-Trimethylbenzene	13.482	105	138768	20.555	ug/l	100
81) sec-Butylbenzene	13.611	105	156142	19.579	ug/l	100
82) p-Isopropyltoluene	13.729	119	126276	19.099	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	73272	19.987	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	72668	20.339	ug/l	99
85) n-Butylbenzene	14.053	91	107638	19.408	ug/l	98
86) Hexachloroethane	14.329	117	27869	21.173	ug/l	95
87) 1,2-Dichlorobenzene	14.106	146	71167	20.567	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11759	24.242	ug/l	84
89) 1,2,4-Trichlorobenzene	15.835	180	32709	19.301	ug/l	97
90) Hexachlorobutadiene	15.494	225	16380	18.601	ug/l	97
91) Naphthalene	15.641	128	100528	19.094	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	32709	19.301	ug/l	97

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

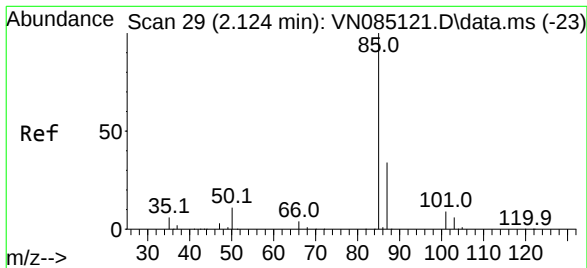
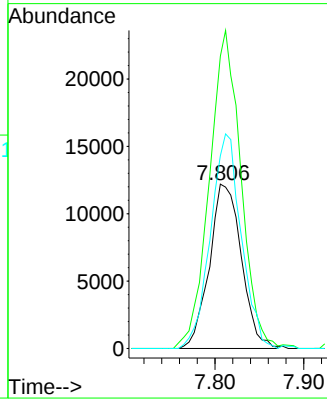
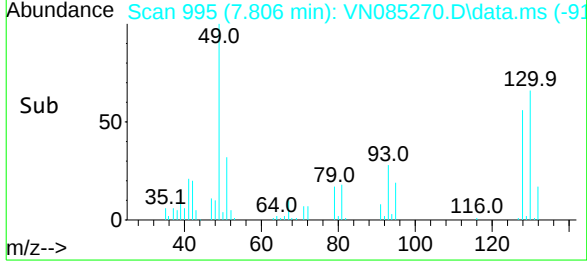
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:128 Resp: 30504
Ion Ratio Lower Upper
128 100
49 190.0 0.0 394.5
130 125.7 0.0 316.5

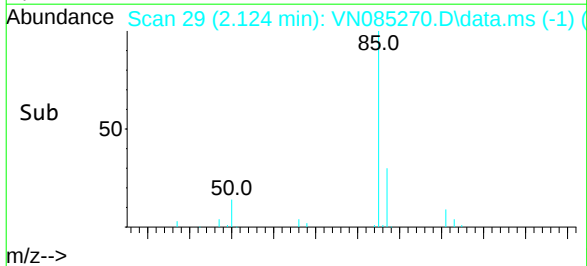
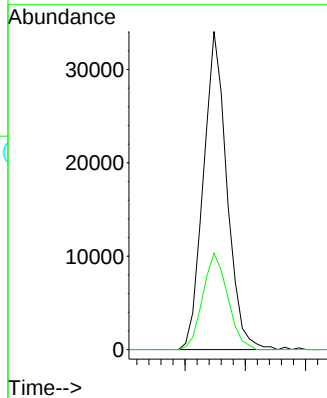
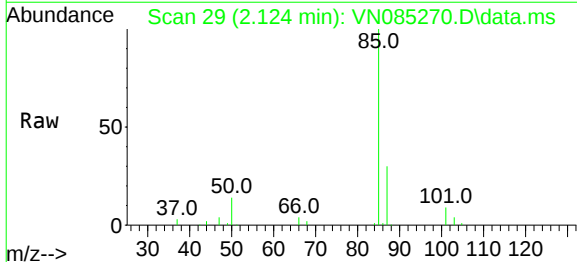
Manual Integrations
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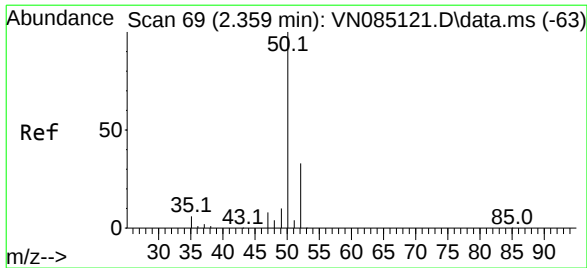
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#2
Dichlorodifluoromethane
Concen: 18.911 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

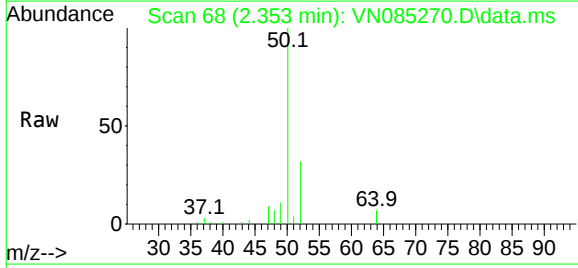
Tgt Ion: 85 Resp: 46152
Ion Ratio Lower Upper
85 100
87 30.3 16.8 50.3





#3
Chloromethane
Concen: 20.882 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

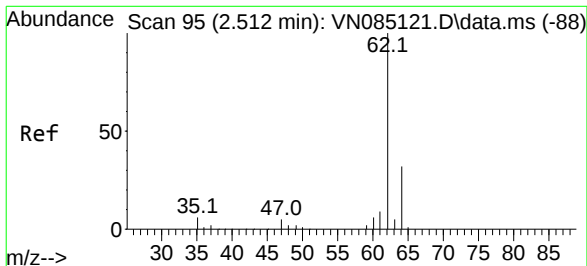
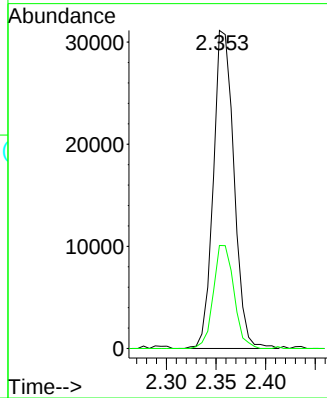
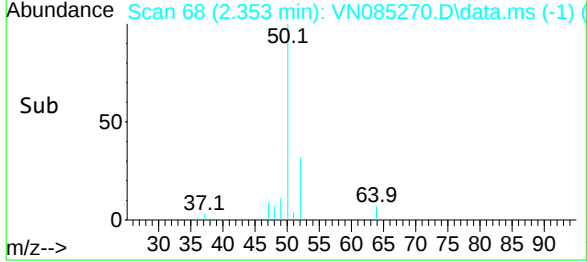
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 50 Resp: 45108
Ion Ratio Lower Upper
50 100
52 32.4 25.0 37.4

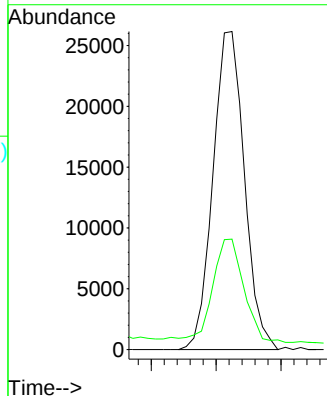
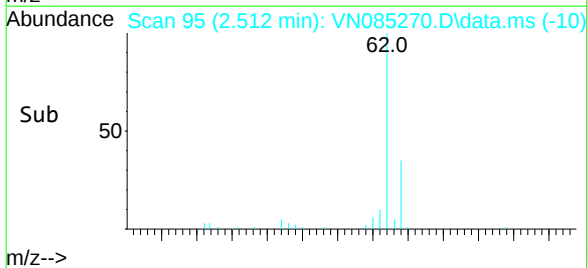
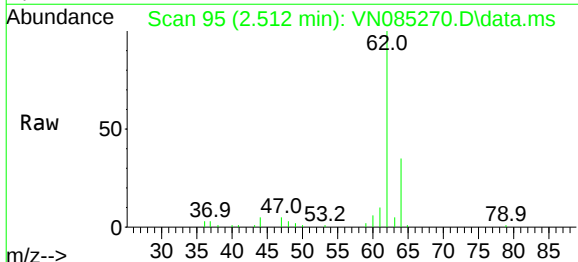
Manual Integrations
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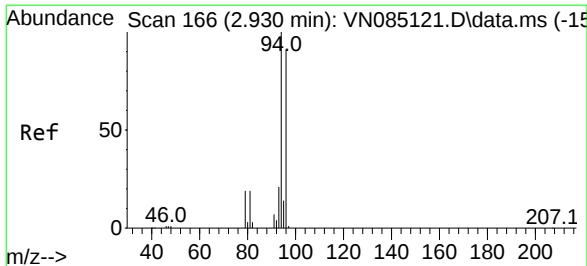
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#4
Vinyl Chloride
Concen: 19.919 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

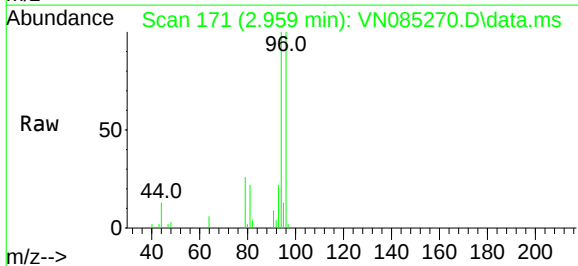
Tgt Ion: 62 Resp: 44010
Ion Ratio Lower Upper
62 100
64 31.7 24.9 37.3





#5
Bromomethane
Concen: 18.261 ug/l
RT: 2.959 min Scan# 171
Delta R.T. -0.006 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

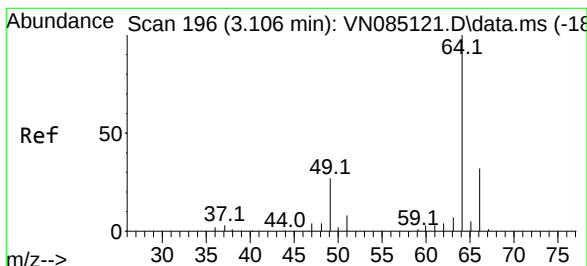
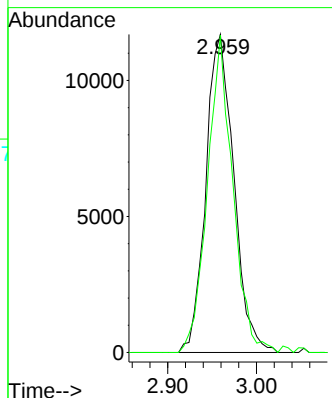
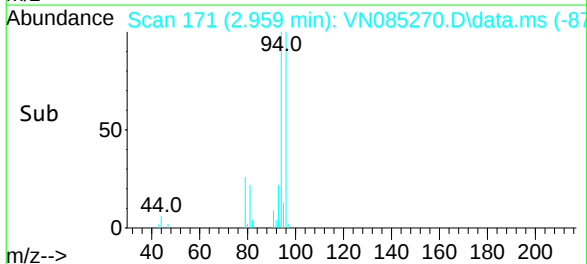
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 94 Resp: 25615
Ion Ratio Lower Upper
94 100
96 99.7 76.2 114.4

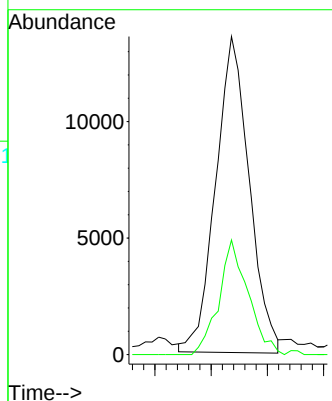
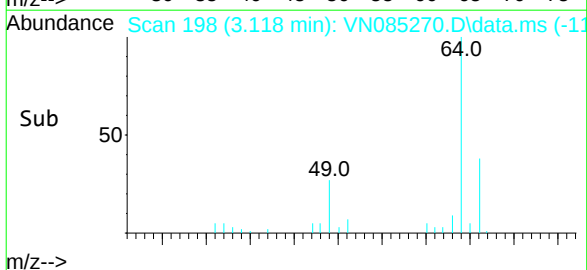
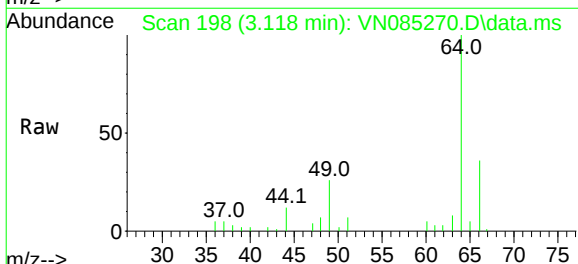
Manual Integrations
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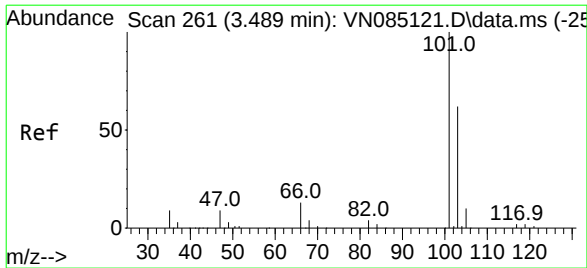
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#6
Chloroethane
Concen: 20.731 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

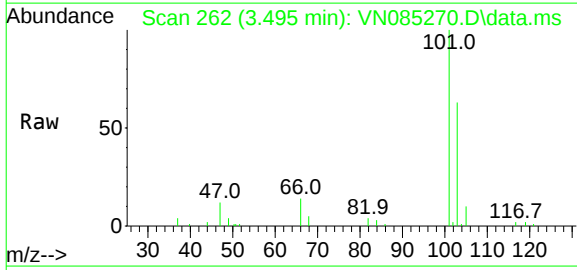
Tgt Ion: 64 Resp: 28140
Ion Ratio Lower Upper
64 100
66 37.3 25.5 38.3





#7
 Trichlorofluoromethane
 Concen: 19.770 ug/l
 RT: 3.495 min Scan# 261
 Delta R.T. -0.006 min
 Lab File: VN085270.D
 Acq: 19 Dec 2024 17:11

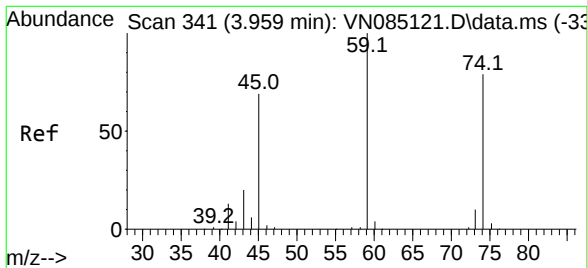
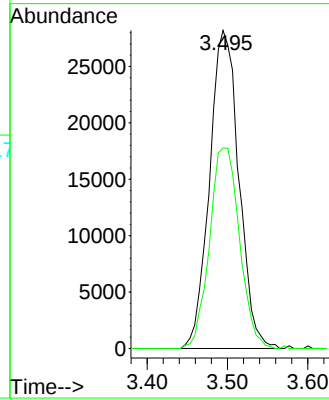
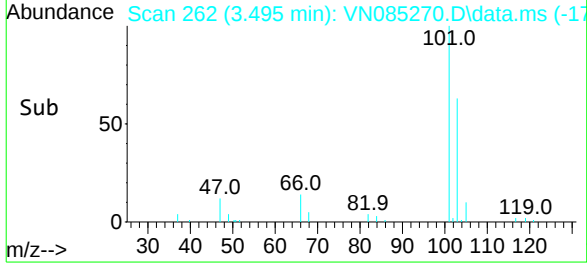
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Tgt Ion:101 Resp: 71498
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.3 76.9

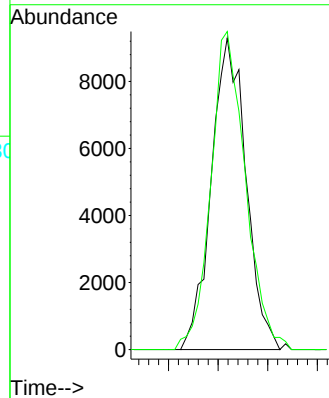
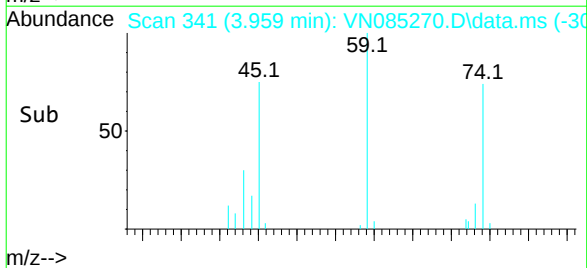
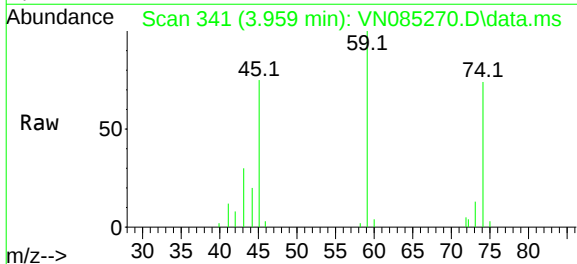
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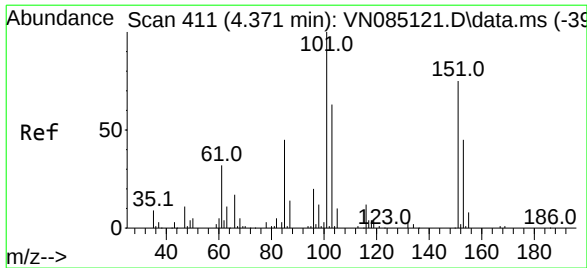
Reviewed By :John Carlone 12/20/2024
 Supervised By :Mahesh Dadoda 12/20/2024



#8
 Diethyl Ether
 Concen: 19.711 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. -0.000 min
 Lab File: VN085270.D
 Acq: 19 Dec 2024 17:11

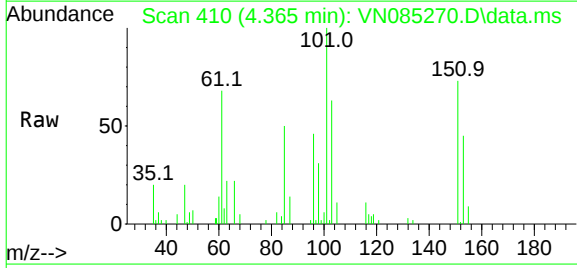
Tgt Ion: 74 Resp: 22579
 Ion Ratio Lower Upper
 74 100
 45 101.7 18.6 167.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.844 ug/l
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

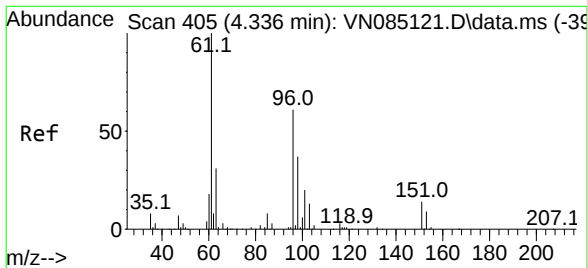
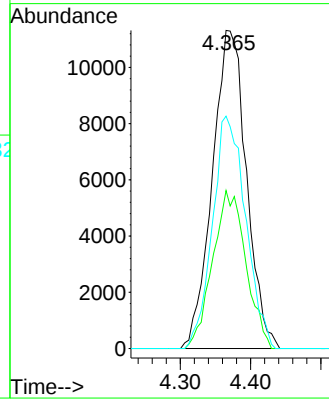
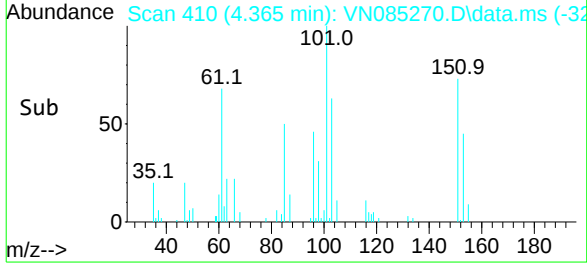
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 101 Resp: 38111
Ion Ratio Lower Upper
101 100
85 48.4 0.0 88.6
151 71.2 0.0 155.8

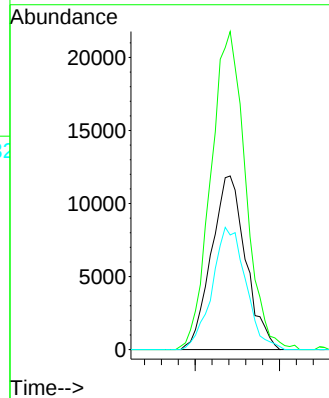
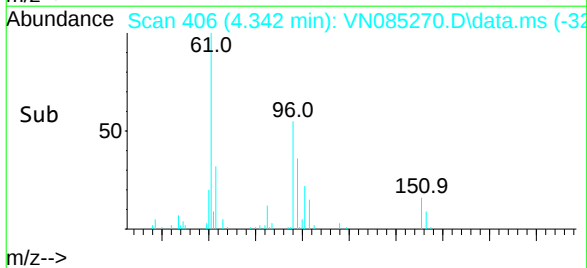
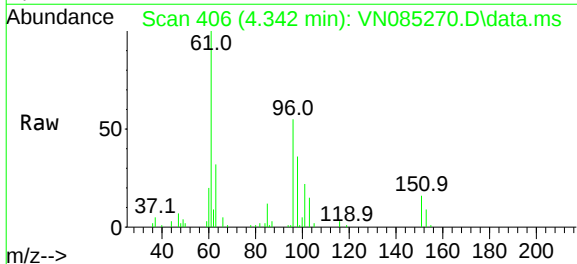
Manual Integrations
APPROVED

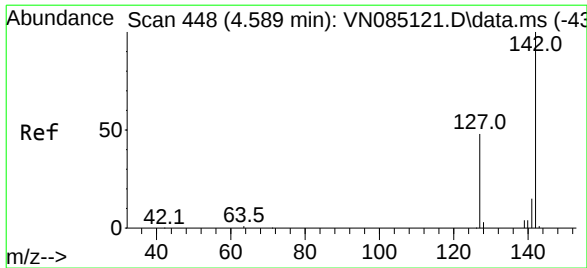
Reviewed By : John Carlone 12/20/2024
Supervised By : Mahesh Dadoda 12/20/2024



#10
1,1-Dichloroethene
Concen: 18.097 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

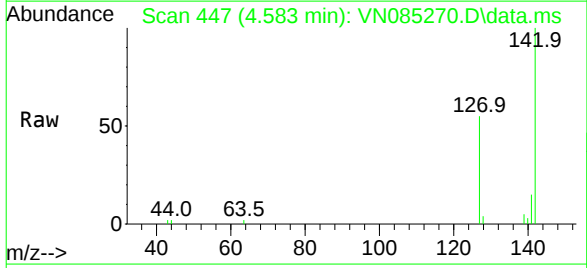
Tgt Ion: 96 Resp: 33619
Ion Ratio Lower Upper
96 100
61 181.3 123.0 184.4
98 66.0 49.1 73.7





#11
Methyl Iodide
Concen: 16.192 ug/l
RT: 4.583 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

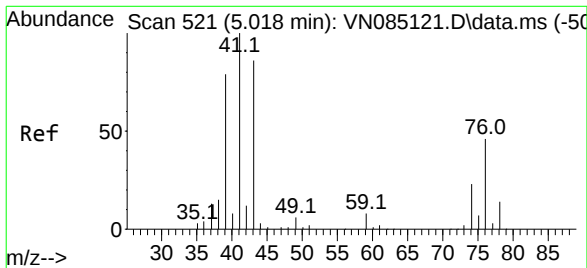
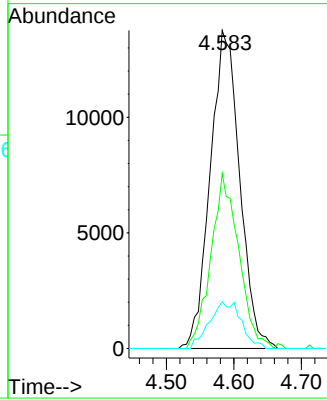
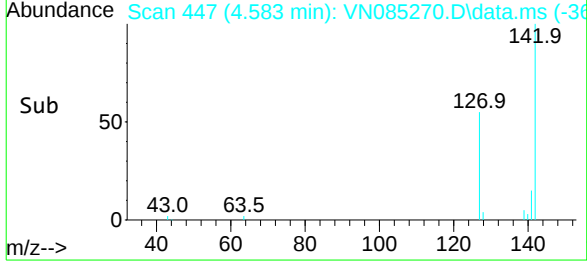
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 142 Resp: 41718
Ion Ratio Lower Upper
142 100
127 54.3 22.5 67.5
141 14.7 8.3 24.9

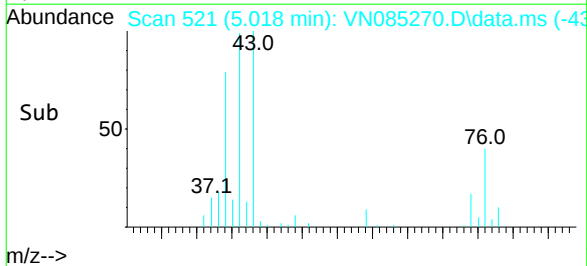
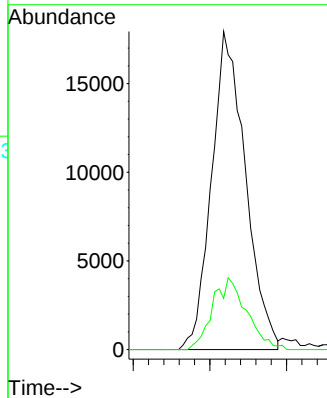
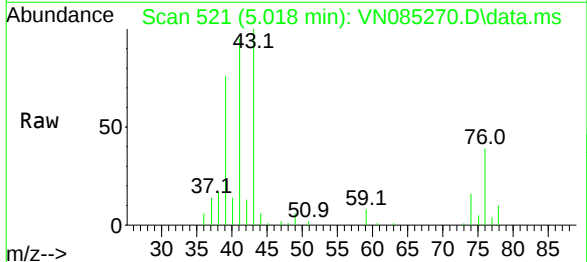
Manual Integrations
APPROVED

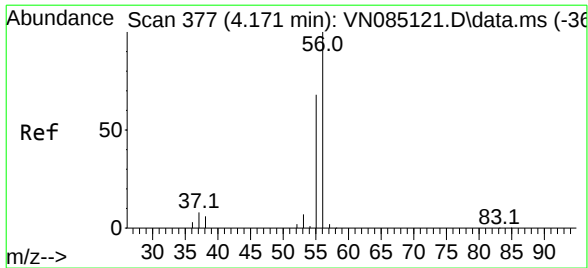
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#12
Methyl Acetate
Concen: 25.109 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Tgt Ion: 43 Resp: 55028
Ion Ratio Lower Upper
43 100
74 15.7 19.8 29.6#





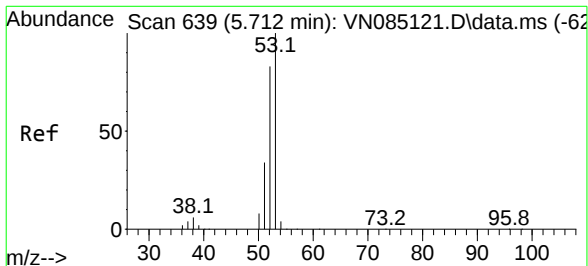
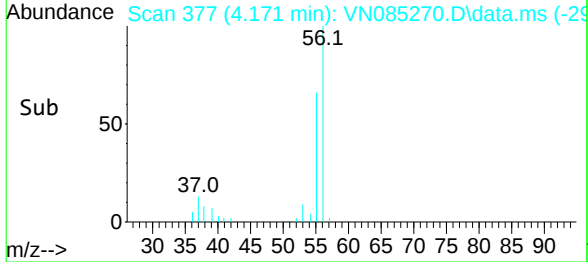
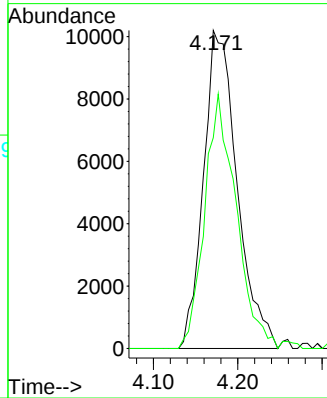
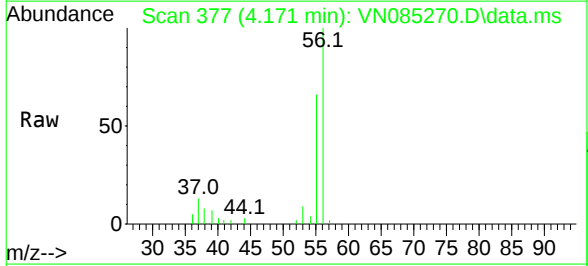
#13
Acrolein
Concen: 88.818 ug/l
RT: 4.171 min Scan# 371
Delta R.T. -0.012 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 56 Resp: 28287
Ion Ratio Lower Upper
56 100
55 74.9 59.4 89.0

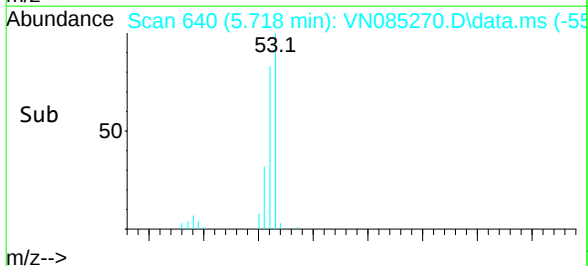
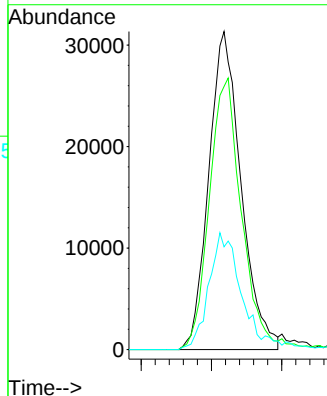
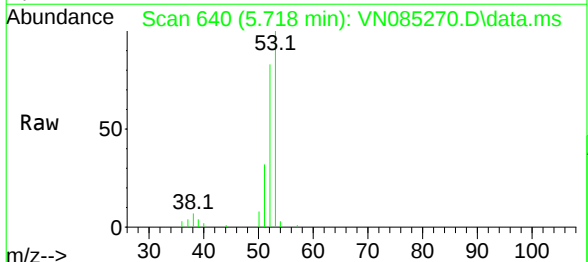
Manual Integrations
APPROVED

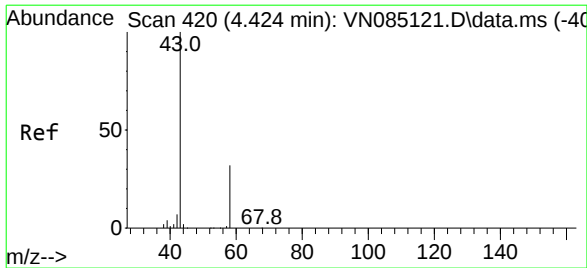
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#14
Acrylonitrile
Concen: 109.813 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Tgt Ion: 53 Resp: 99930
Ion Ratio Lower Upper
53 100
52 84.2 42.9 128.5
51 18.5 17.2 51.5





#15

Acetone

Concen: 108.154 ug/l m

RT: 4.430 min Scan# 420

Delta R.T. 0.006 min

Lab File: VN085270.D

Acq: 19 Dec 2024 17:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 58 Resp: 26671

Ion Ratio Lower Upper

58 100

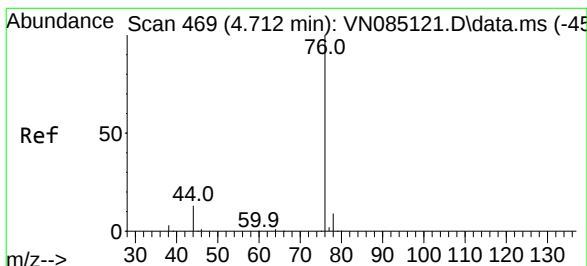
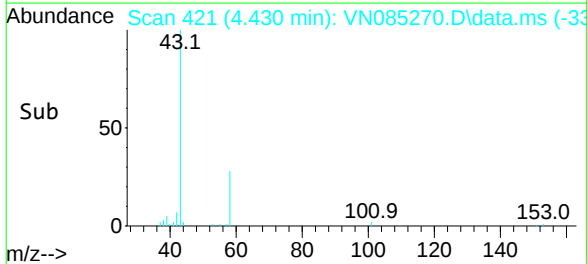
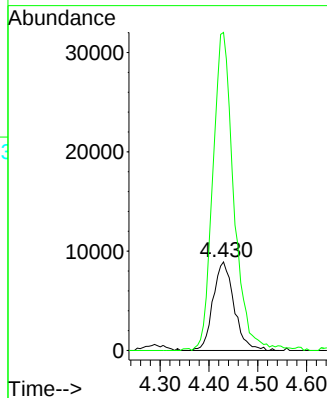
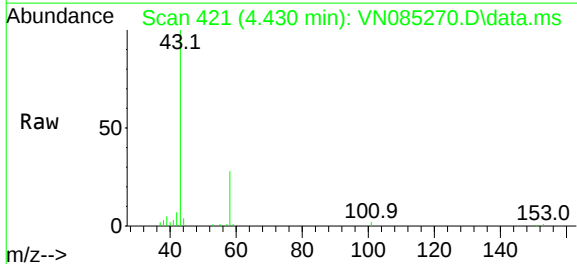
43 359.3 242.3 363.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#16

Carbon Disulfide

Concen: 19.324 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.000 min

Lab File: VN085270.D

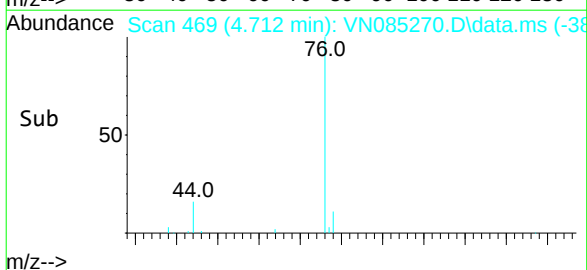
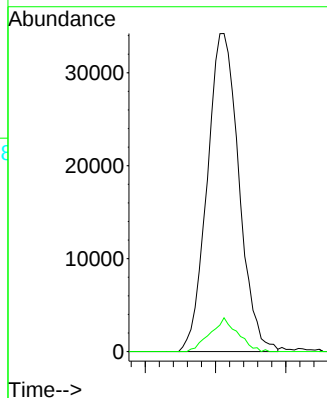
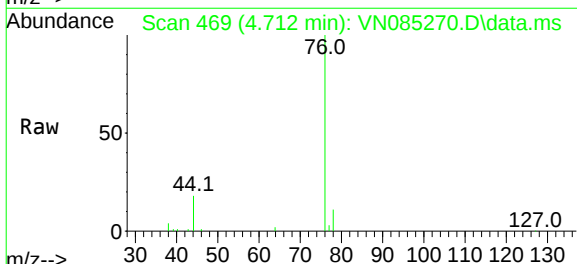
Acq: 19 Dec 2024 17:11

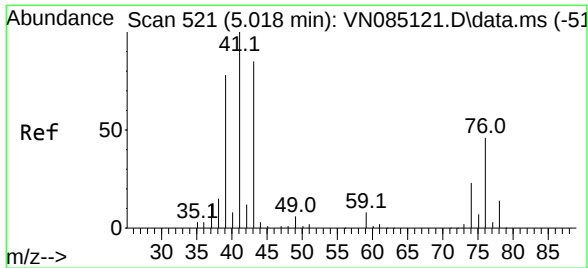
Tgt Ion: 76 Resp: 107301

Ion Ratio Lower Upper

76 100

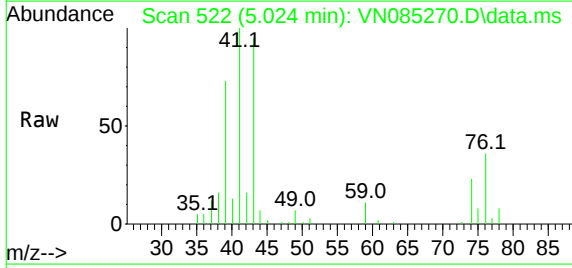
78 10.6 7.1 10.7





#17
 Allyl chloride
 Concen: 21.291 ug/l
 RT: 5.024 min Scan# 521
 Delta R.T. -0.000 min
 Lab File: VN085270.D
 Acq: 19 Dec 2024 17:11

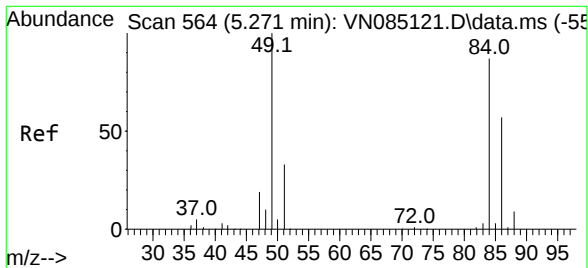
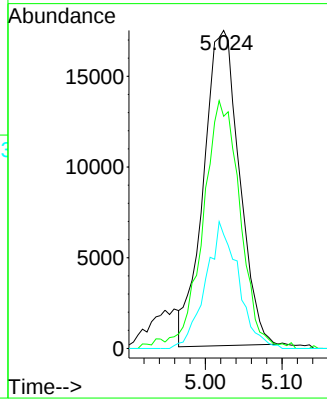
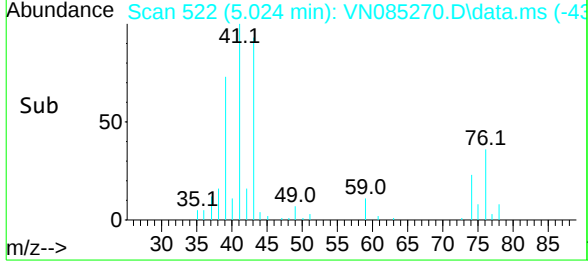
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



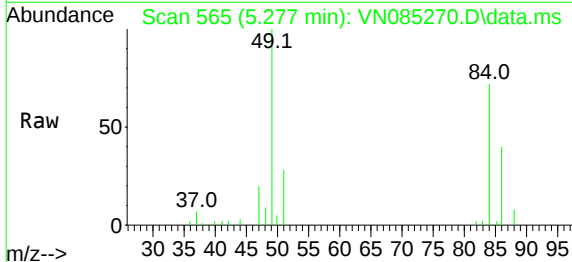
Tgt Ion:	41	Resp:	56595
Ion	Ratio	Lower	Upper
41	100		
39	72.8	32.0	96.2
76	35.2	20.2	60.5

Manual Integrations
 APPROVED

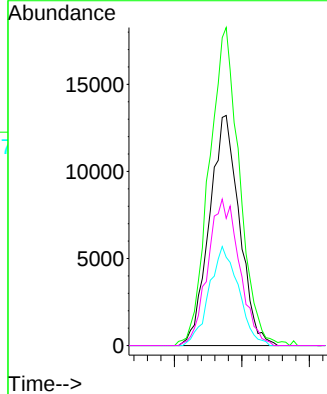
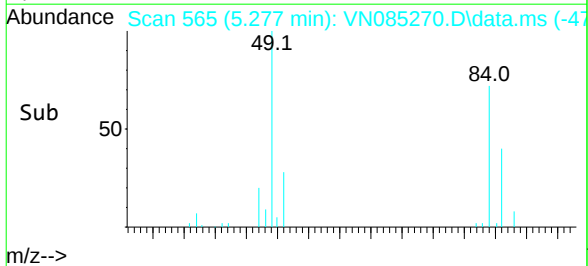
Reviewed By :John Carlone 12/20/2024
 Supervised By :Mahesh Dadoda 12/20/2024

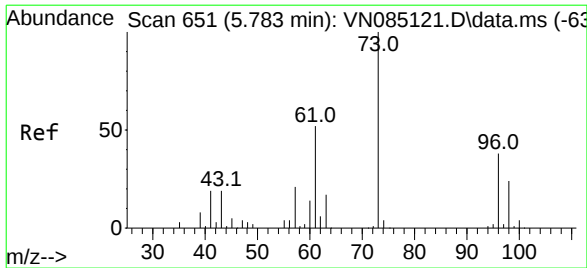


#18
 Methylene Chloride
 Concen: 19.372 ug/l
 RT: 5.277 min Scan# 565
 Delta R.T. 0.006 min
 Lab File: VN085270.D
 Acq: 19 Dec 2024 17:11



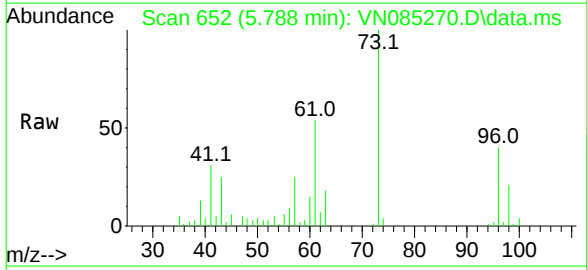
Tgt Ion:	84	Resp:	40833
Ion	Ratio	Lower	Upper
84	100		
49	136.9	95.1	142.7
51	38.4	27.4	41.0
86	55.3	50.9	76.3





#19
trans-1,2-Dichloroethene
Concen: 18.949 ug/l
RT: 5.788 min Scan# 651
Delta R.T. 0.006 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

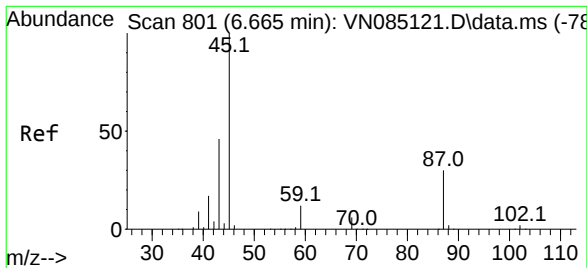
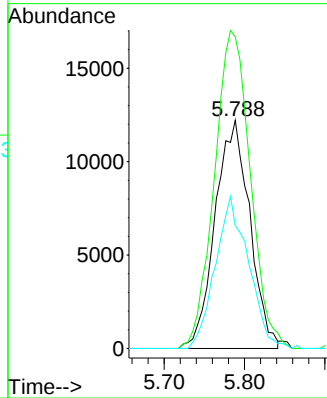
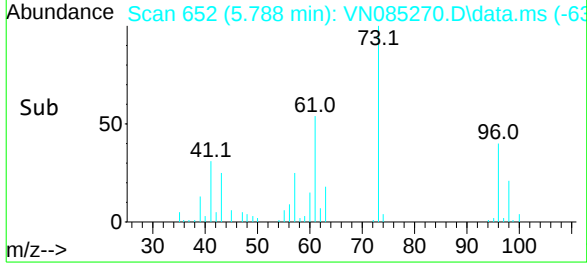
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



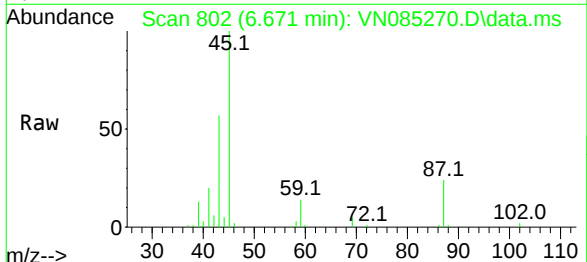
Tgt Ion: 96 Resp: 36588
Ion Ratio Lower Upper
96 100
61 136.4 100.4 150.6
98 53.8 52.6 79.0

Manual Integrations
APPROVED

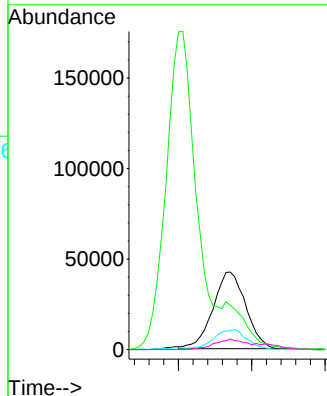
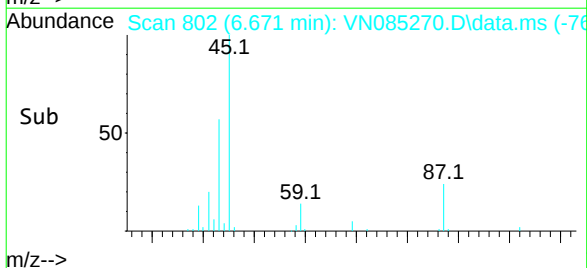
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

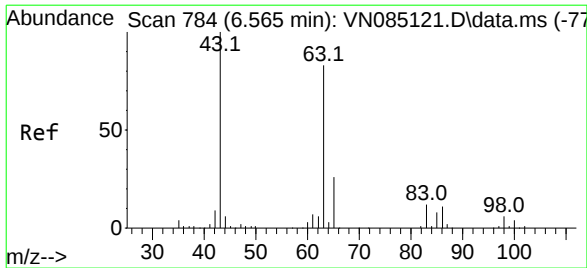


#20
Diisopropyl ether
Concen: 22.510 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11



Tgt Ion: 45 Resp: 131316
Ion Ratio Lower Upper
45 100
43 53.6 41.9 62.9
87 24.1 24.1 36.1#
59 13.9 10.0 15.0





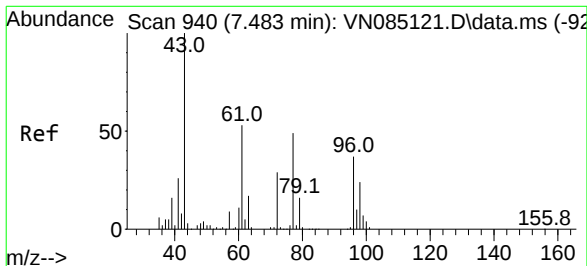
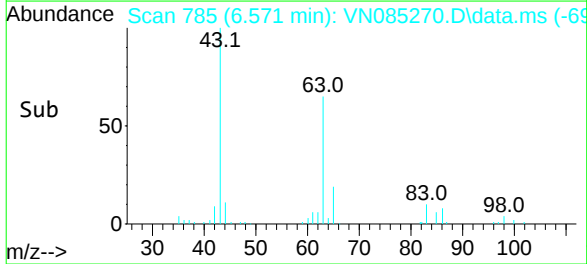
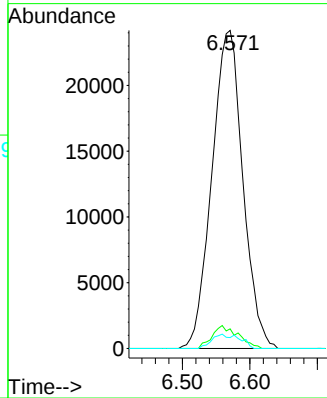
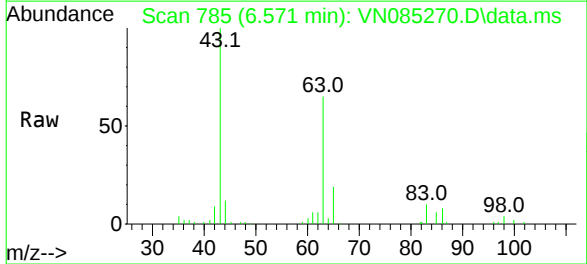
#21
1,1-Dichloroethane
Concen: 21.394 ug/l
RT: 6.571 min Scan# 784
Delta R.T. 0.006 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:	63	Resp:	77031
Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.5	10.4
100	3.4	1.6	4.8

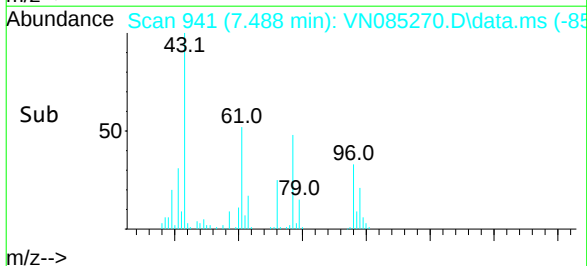
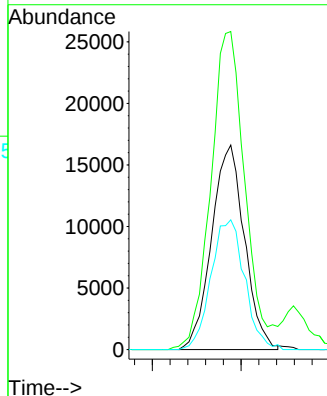
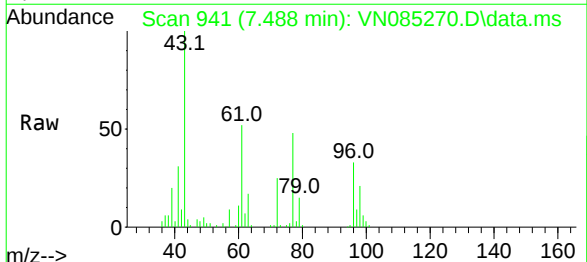
Manual Integrations
APPROVED

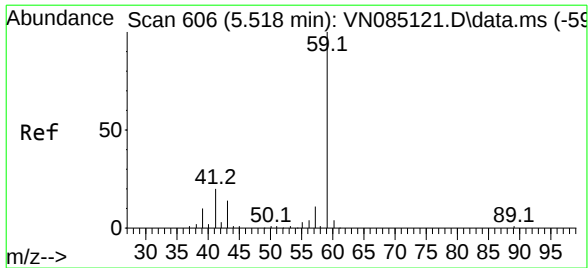
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#22
cis-1,2-Dichloroethene
Concen: 19.286 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Tgt Ion:	96	Resp:	42802
Ion	Ratio	Lower	Upper
96	100		
61	158.3	115.9	173.9
98	64.3	51.8	77.8





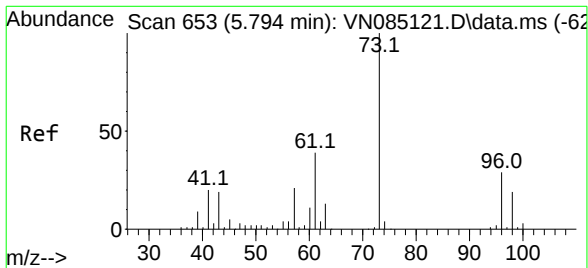
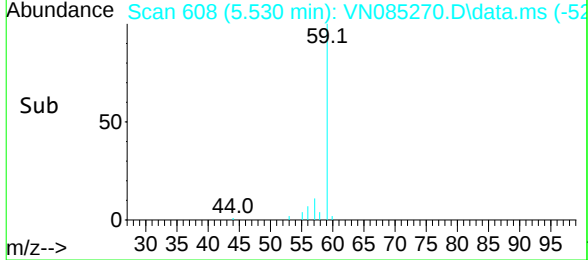
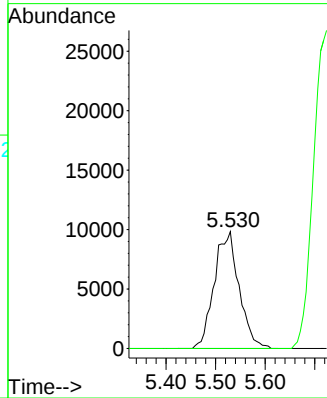
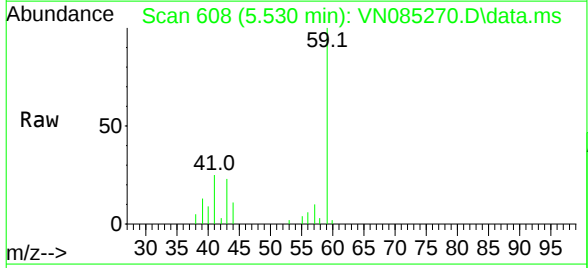
#23
tert-Butyl Alcohol
Concen: 104.646 ug/l m
RT: 5.530 min Scan# 608
Delta R.T. 0.018 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 59 Resp: 34162
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

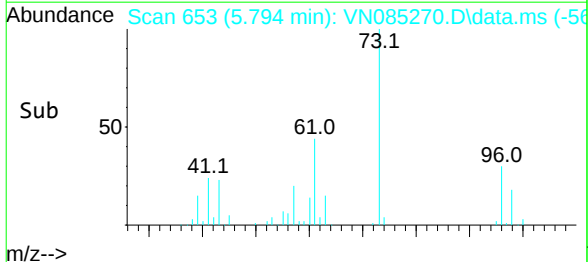
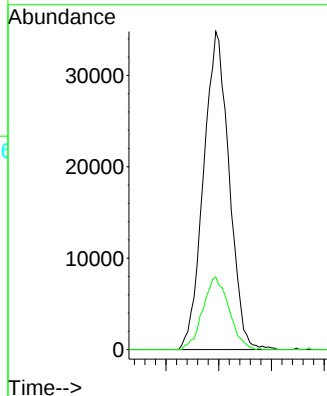
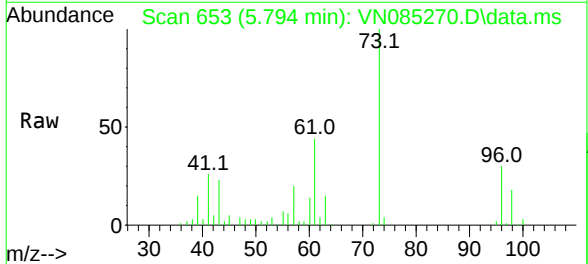
Manual Integrations
APPROVED

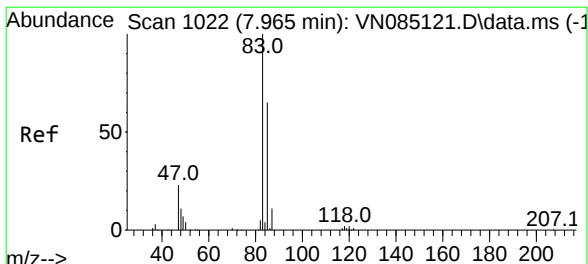
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#24
Methyl tert-Butyl Ether
Concen: 20.229 ug/l
RT: 5.794 min Scan# 653
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Tgt Ion: 73 Resp: 117409
Ion Ratio Lower Upper
73 100
43 23.2 8.7 13.1#





#25
Chloroform
Concen: 20.459 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Instrument :

MSVOA_N

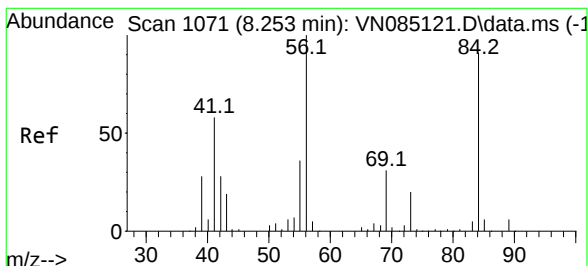
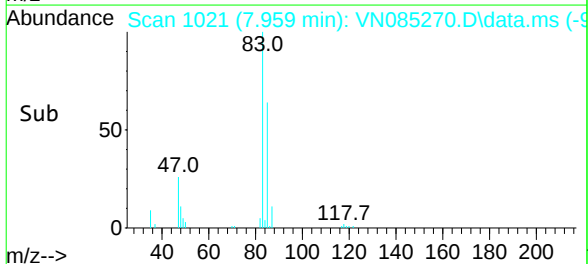
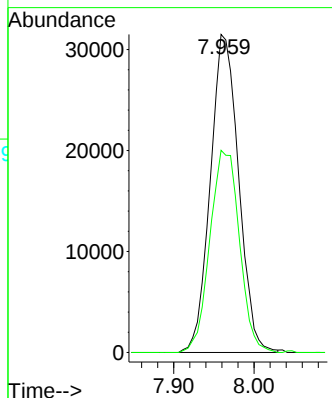
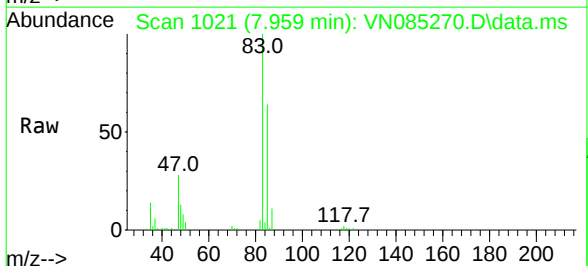
ClientSampleId :

VSTDCCC020EC

Tgt Ion: 83 Resp: 77171
Ion Ratio Lower Upper
83 100
85 63.6 49.4 74.0

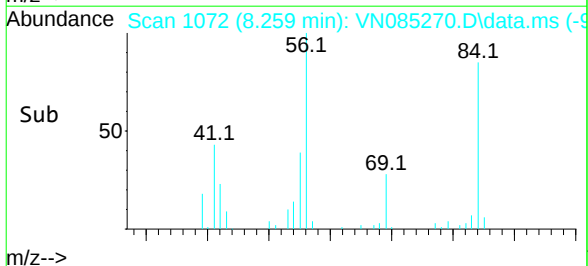
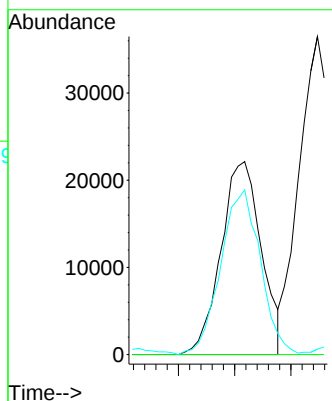
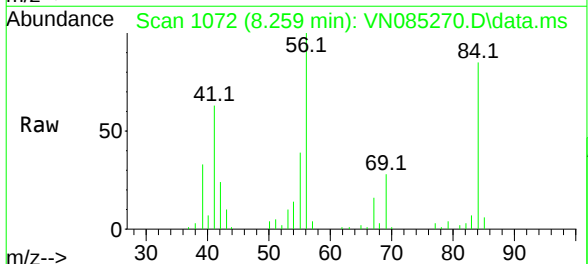
Manual Integrations
APPROVED

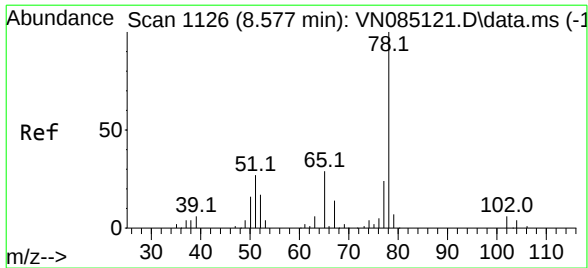
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#26
Cyclohexane
Concen: 18.633 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. 0.006 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Tgt Ion: 56 Resp: 55241
Ion Ratio Lower Upper
56 100
89 0.0 19.5 29.3#
84 83.8 70.6 105.8





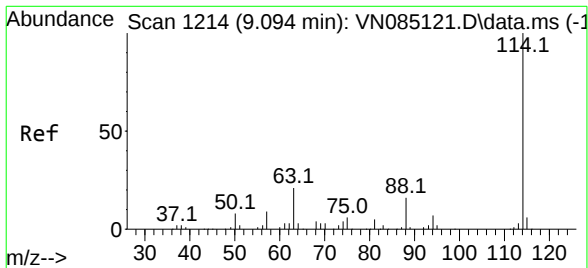
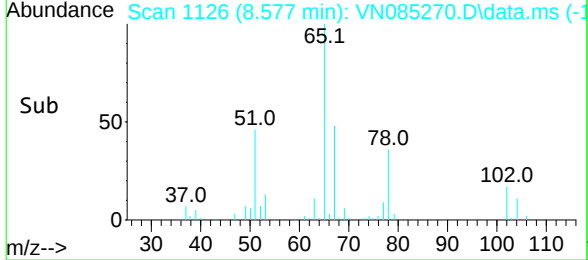
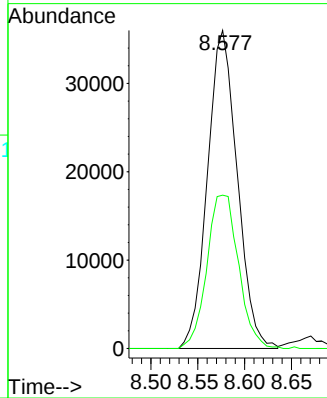
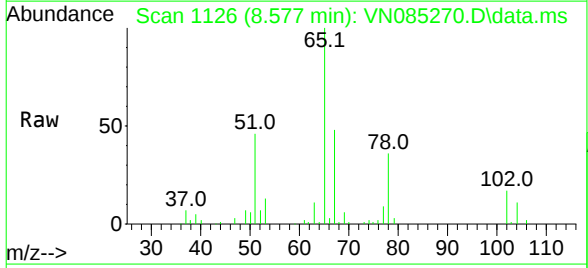
#27
1,2-Dichloroethane-d4
Concen: 32.861 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 65 Resp: 79537
Ion Ratio Lower Upper
65 100
67 51.2 39.9 59.9

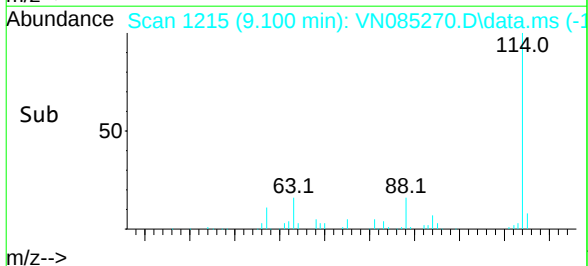
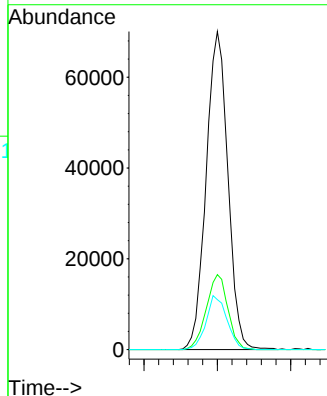
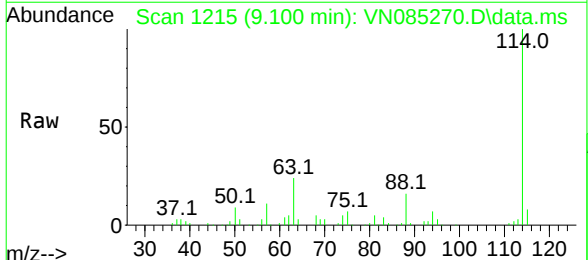
Manual Integrations
APPROVED

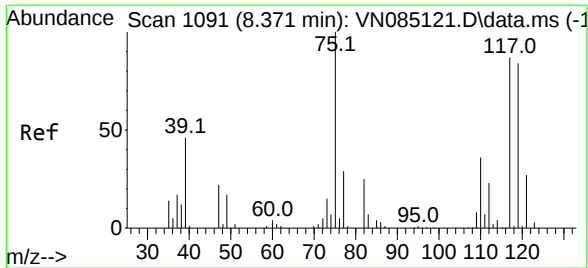
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Tgt Ion:114 Resp: 144032
Ion Ratio Lower Upper
114 100
63 23.4 16.2 24.2
88 16.3 12.5 18.7





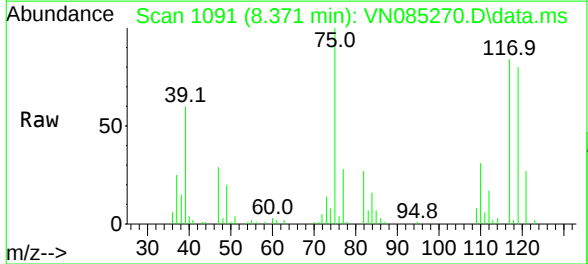
#29
 1,1-Dichloropropene
 Concen: 22.373 ug/l
 RT: 8.371 min Scan# 1091
 Delta R.T. -0.000 min
 Lab File: VN085270.D
 Acq: 19 Dec 2024 17:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC



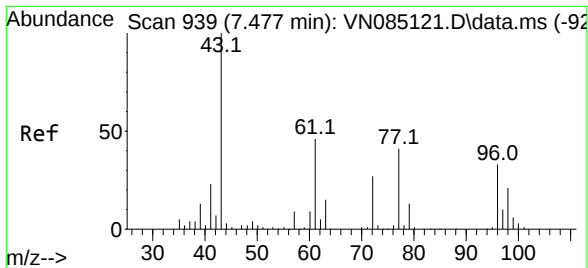
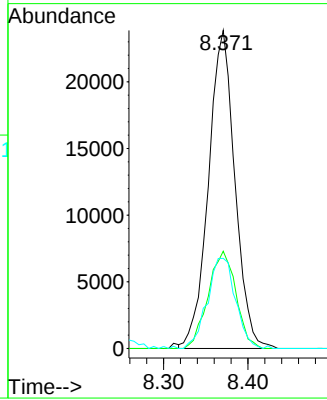
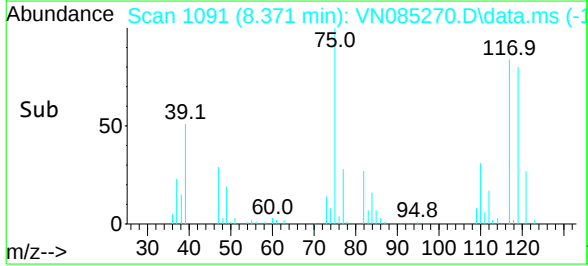
Tgt Ion:	75	Resp:	51998
Ion	Ratio	Lower	Upper
75	100		
110	32.1	0.0	71.6
77	30.3	0.0	62.2

Manual Integrations

APPROVED

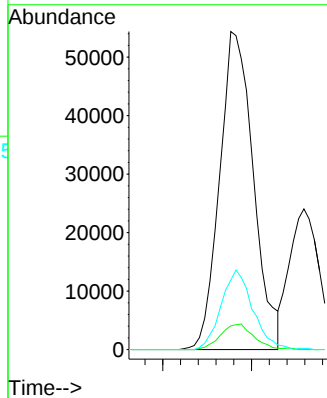
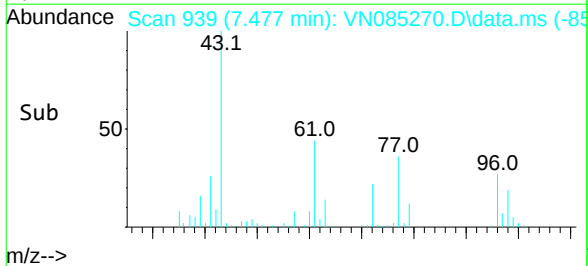
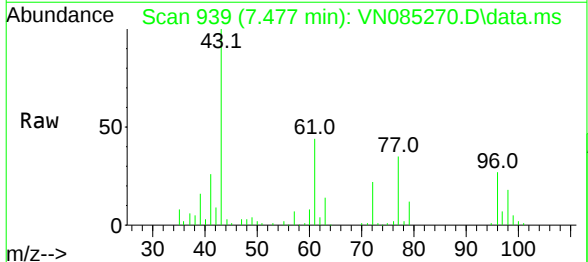
Reviewed By :John Carlone 12/20/2024

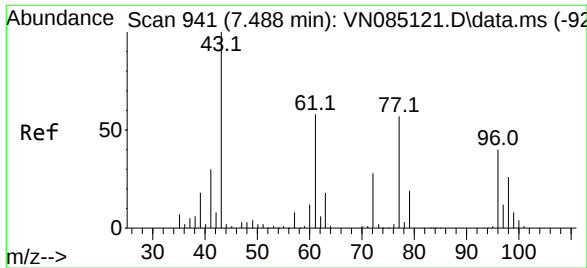
Supervised By :Mahesh Dadoda 12/20/2024



#30
 2-Butanone
 Concen: 135.076 ug/l
 RT: 7.477 min Scan# 939
 Delta R.T. -0.006 min
 Lab File: VN085270.D
 Acq: 19 Dec 2024 17:11

Tgt Ion:	43	Resp:	144066
Ion	Ratio	Lower	Upper
43	100		
57	7.8	6.9	10.3
72	23.3	21.8	32.8





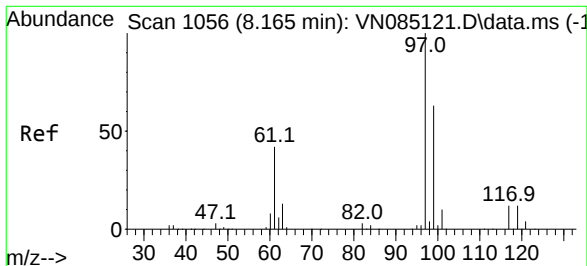
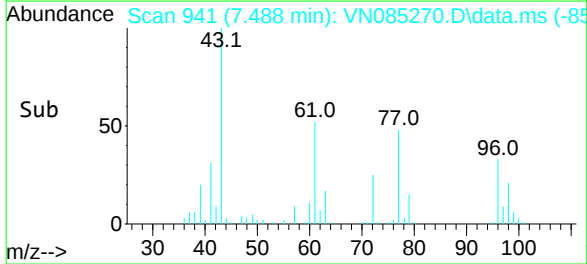
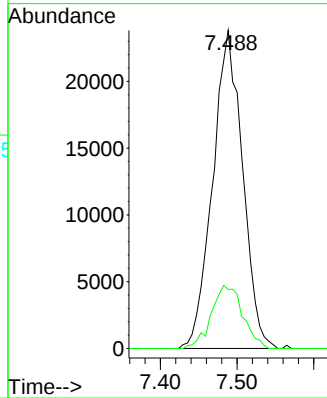
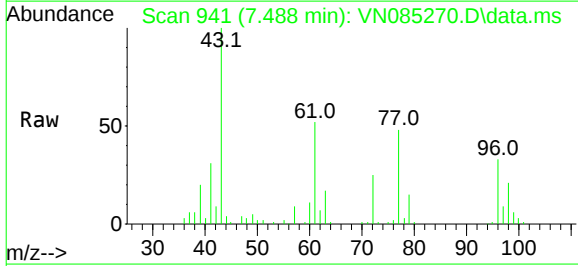
#31
2,2-Dichloropropane
Concen: 21.616 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 77 Resp: 64424
Ion Ratio Lower Upper
77 100
97 20.8 0.0 0.0#

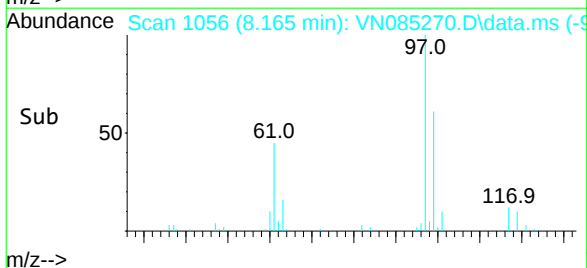
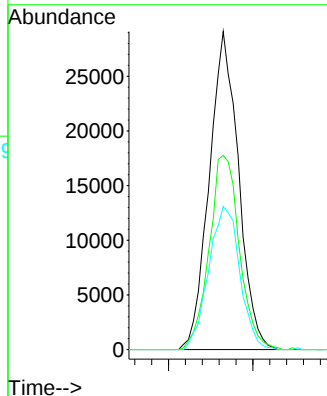
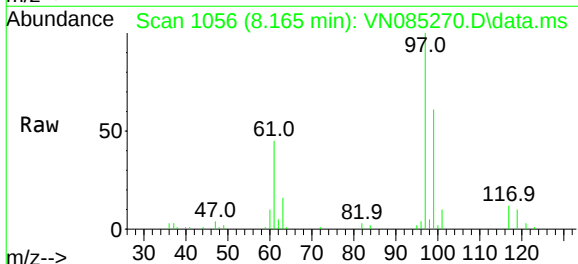
Manual Integrations
APPROVED

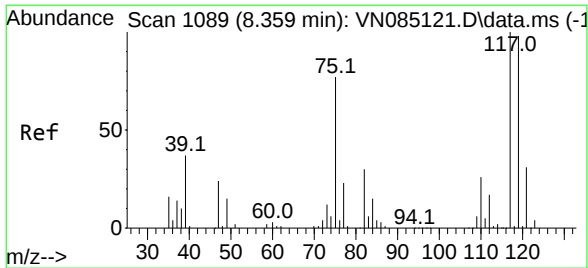
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#32
1,1,1-Trichloroethane
Concen: 22.299 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

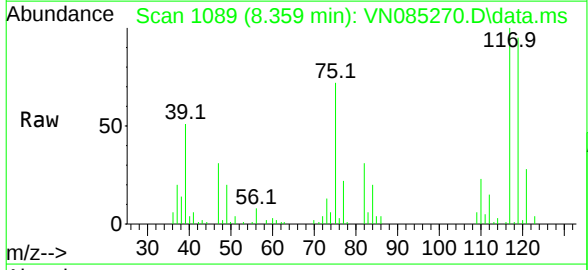
Tgt Ion: 97 Resp: 70149
Ion Ratio Lower Upper
97 100
99 63.0 50.8 76.2
61 47.9 32.7 49.1





#33
Carbon Tetrachloride
Concen: 21.380 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

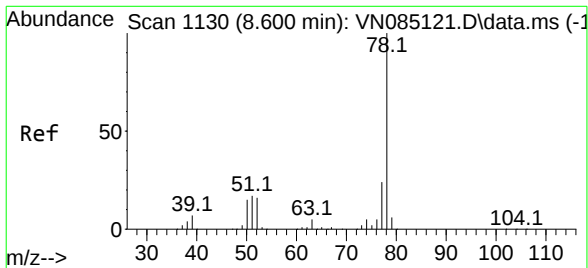
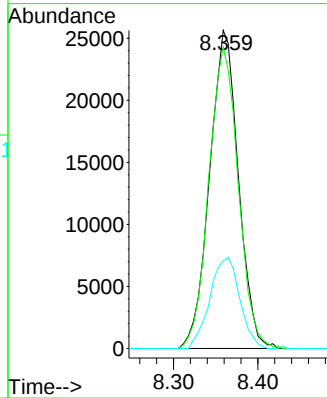
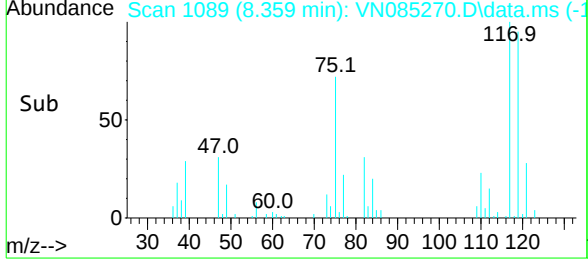
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



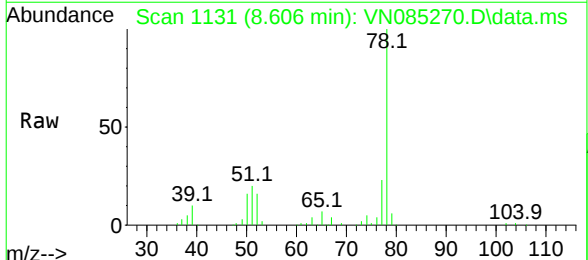
Tgt Ion: 117 Resp: 60696
Ion Ratio Lower Upper
117 100
119 94.8 81.6 122.4
121 27.5 26.5 39.7

Manual Integrations
APPROVED

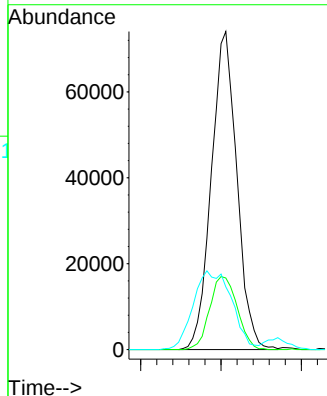
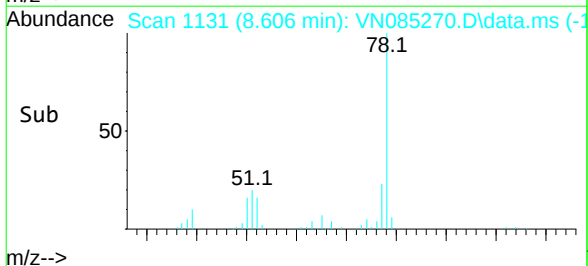
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

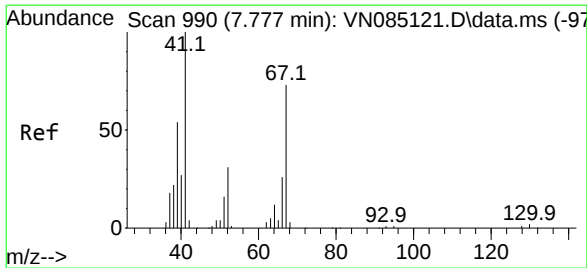


#34
Benzene
Concen: 22.390 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11



Tgt Ion: 78 Resp: 163473
Ion Ratio Lower Upper
78 100
77 22.5 18.0 27.0
51 17.4 12.4 18.6





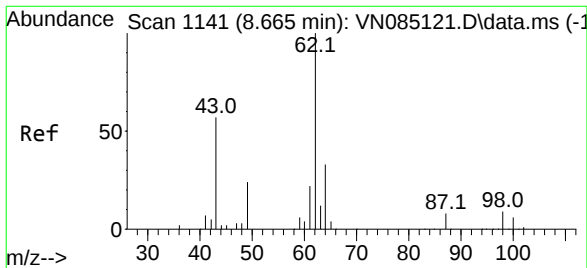
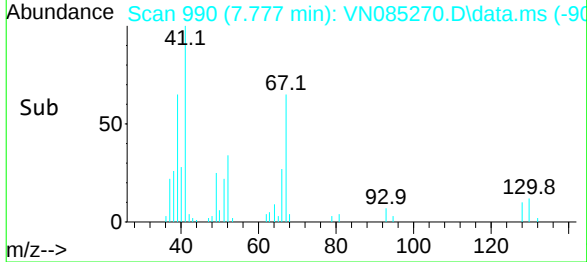
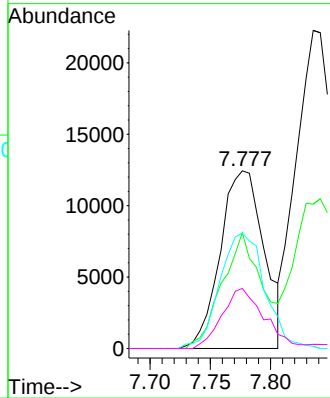
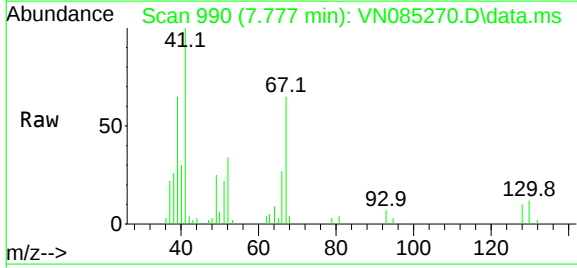
#35
Methacrylonitrile
Concen: 26.168 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:	41	Resp:	31408
Ion	Ratio	Lower	Upper
41	100		
39	65.2	24.4	73.2
67	65.0	37.0	110.9
52	33.8	12.4	37.2

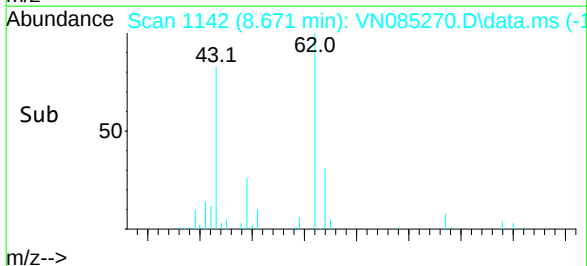
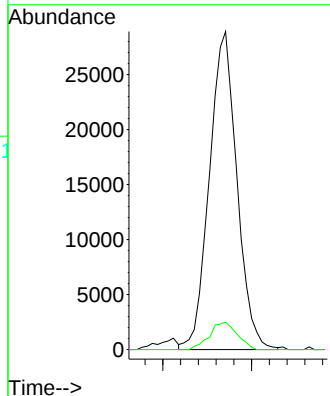
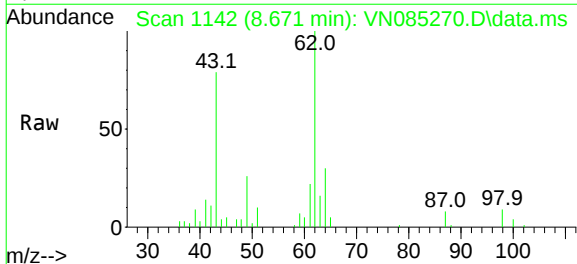
Manual Integrations
APPROVED

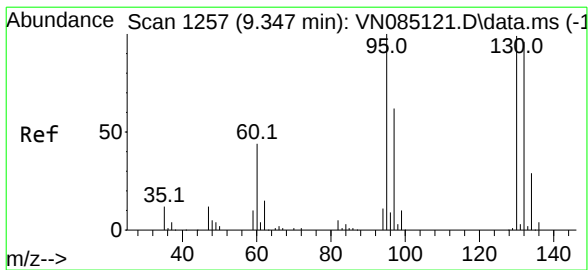
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#36
1,2-Dichloroethane
Concen: 25.078 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

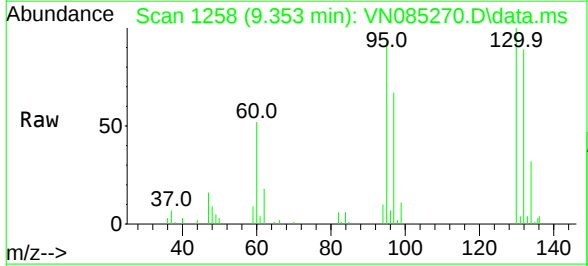
Tgt Ion:	62	Resp:	62330
Ion	Ratio	Lower	Upper
62	100		
98	8.6	7.3	10.9





#37
Trichloroethene
Concen: 19.741 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

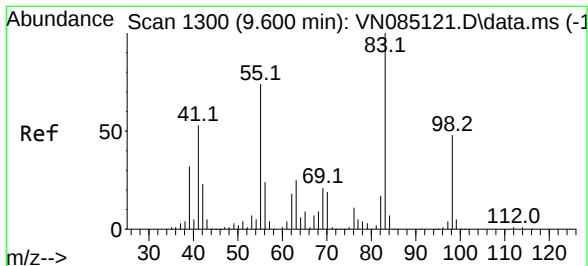
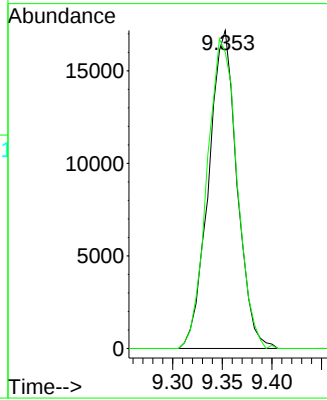
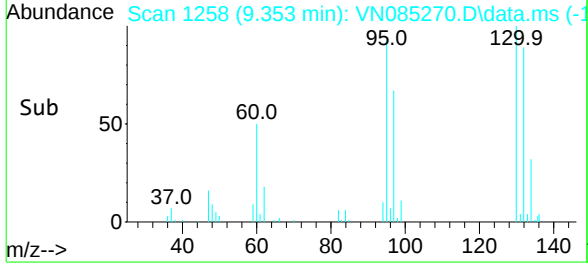
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



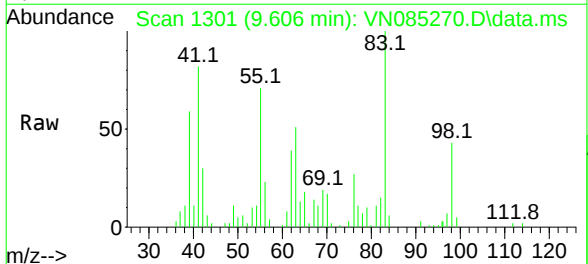
Tgt Ion: 130 Resp: 34324
Ion Ratio Lower Upper
130 100
95 93.1 76.2 114.4

Manual Integrations
APPROVED

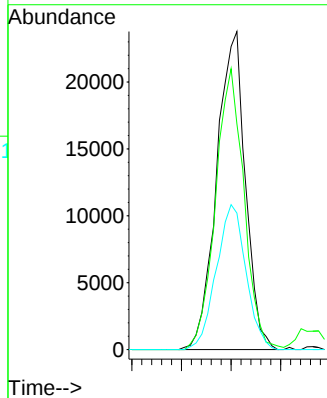
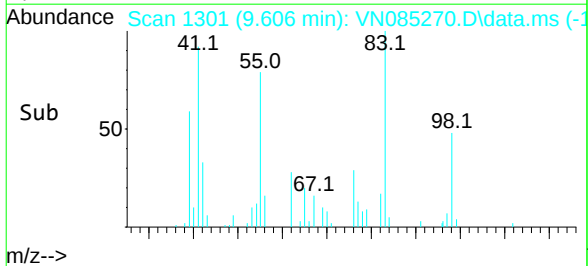
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

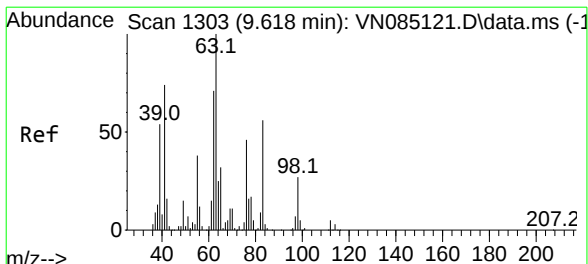


#38
Methylcyclohexane
Concen: 18.884 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. 0.006 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11



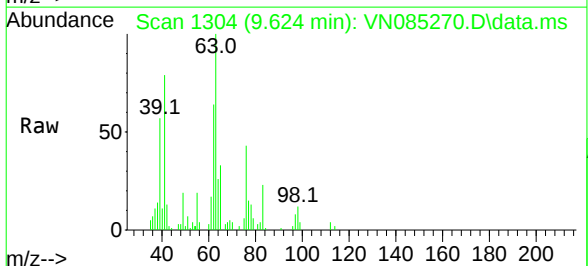
Tgt Ion: 83 Resp: 47722
Ion Ratio Lower Upper
83 100
55 87.4 41.4 124.4
98 47.1 25.7 77.1





#39
 1,2-Dichloropropane
 Concen: 23.326 ug/l
 RT: 9.624 min Scan# 1304
 Delta R.T. 0.006 min
 Lab File: VN085270.D
 Acq: 19 Dec 2024 17:11

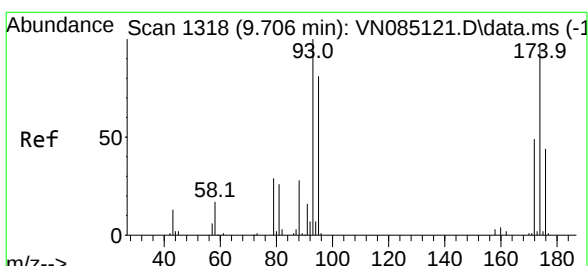
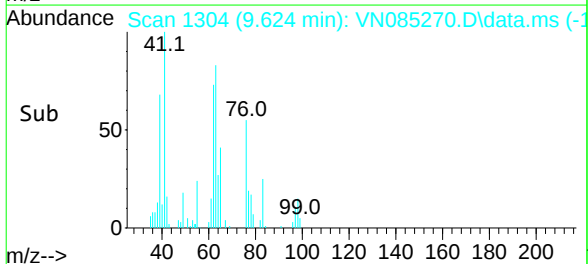
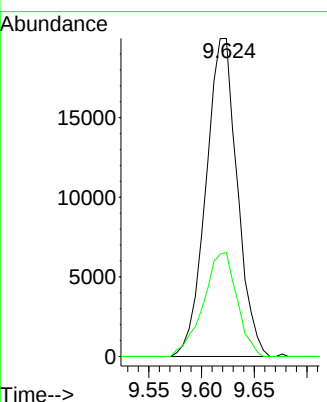
Instrument : MSVOA_N
 ClientSampleId : VSTDCCC020EC



Tgt Ion: 63 Resp: 41250

Ion	Ratio	Lower	Upper
63	100		
65	32.7	23.4	35.0

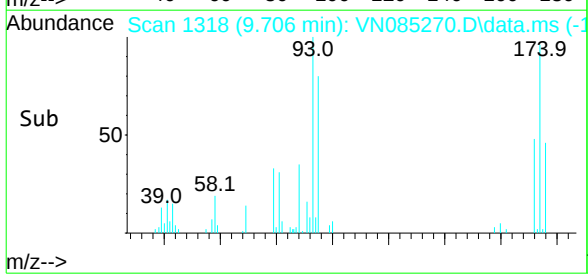
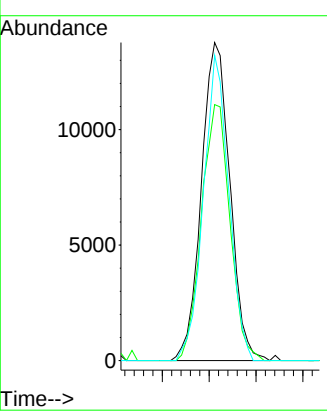
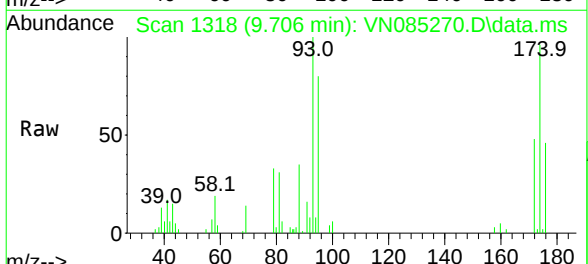
Manual Integrations
APPROVED
 Reviewed By :John Carlone 12/20/2024
 Supervised By :Mahesh Dadoda 12/20/2024

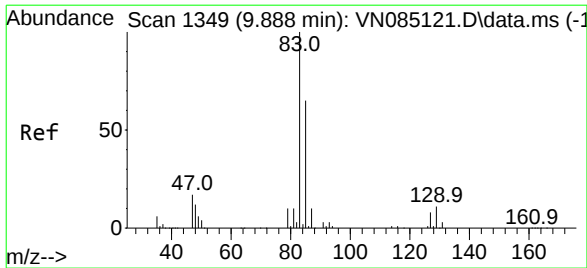


#40
 Dibromomethane
 Concen: 22.965 ug/l
 RT: 9.706 min Scan# 1318
 Delta R.T. -0.000 min
 Lab File: VN085270.D
 Acq: 19 Dec 2024 17:11

Tgt Ion: 93 Resp: 29131

Ion	Ratio	Lower	Upper
93	100		
95	80.3	0.0	169.4
174	85.5	0.0	189.8





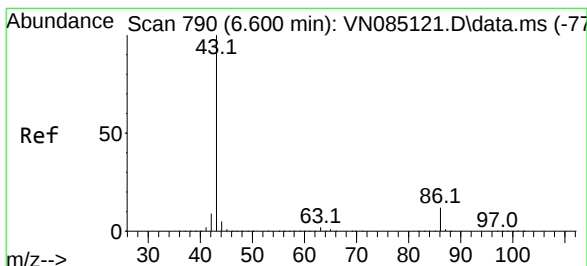
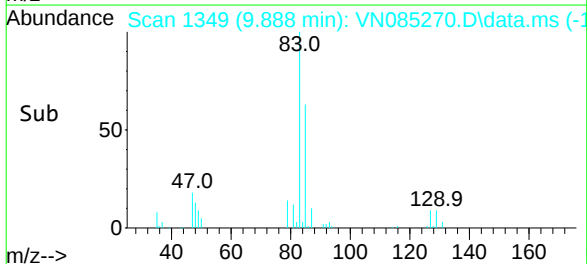
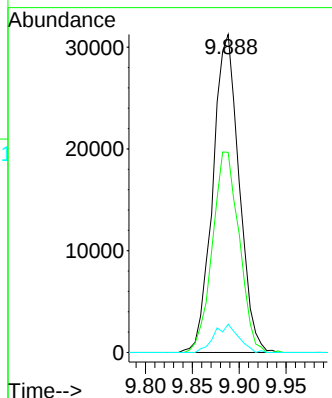
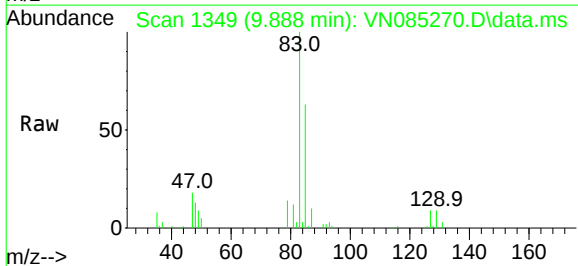
#41
Bromodichloromethane
Concen: 22.410 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.006 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:	83	Resp:	60770
Ion	Ratio	Lower	Upper
83	100		
85	62.9	54.6	81.8
127	8.9	7.0	10.6

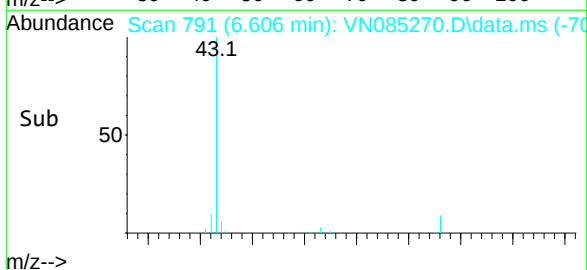
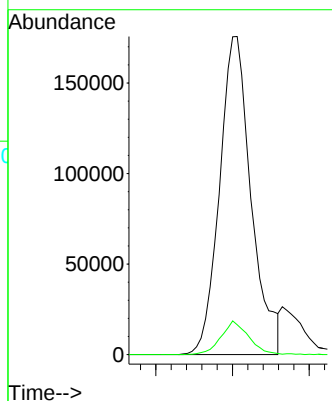
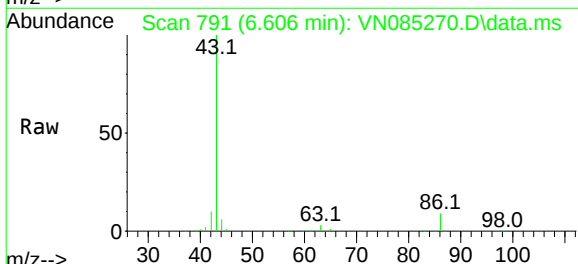
Manual Integrations
APPROVED

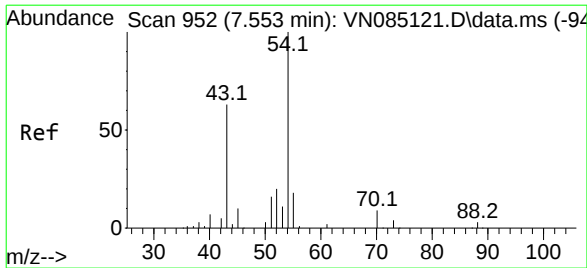
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#42
Vinyl Acetate
Concen: 134.913 ug/l
RT: 6.606 min Scan# 791
Delta R.T. 0.006 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Tgt Ion:	43	Resp:	503513
Ion	Ratio	Lower	Upper
43	100		
86	9.2	9.2	13.8





#43

Ethyl Acetate

Concen: 27.529 ug/l

RT: 7.559 min Scan# 95

Delta R.T. -0.000 min

Lab File: VN085270.D

Acq: 19 Dec 2024 17:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 43 Resp: 58419

Ion Ratio Lower Upper

43 100

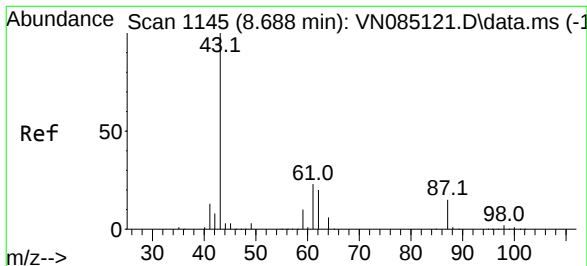
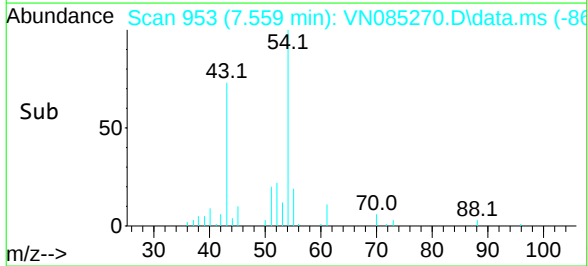
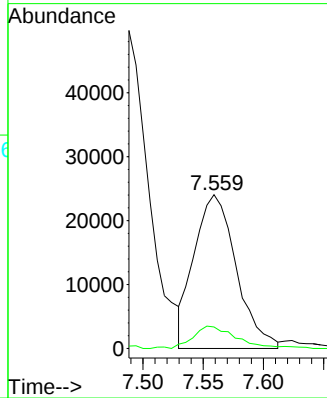
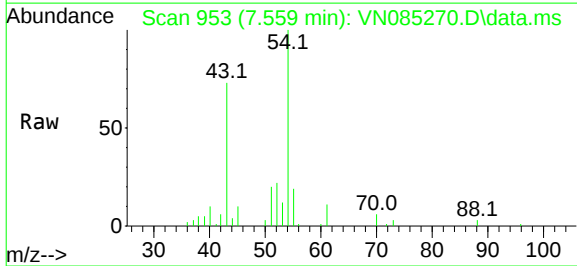
45 14.4 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#44

Isopropyl Acetate

Concen: 26.081 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN085270.D

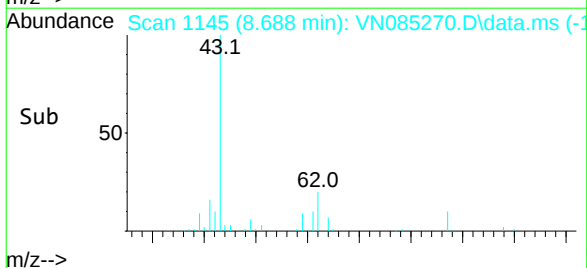
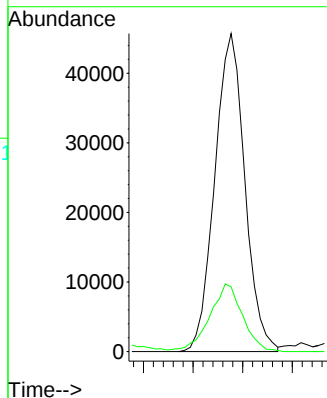
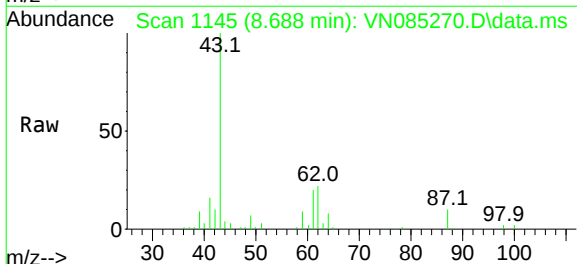
Acq: 19 Dec 2024 17:11

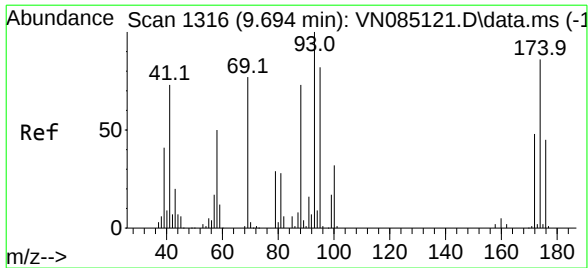
Tgt Ion: 43 Resp: 96183

Ion Ratio Lower Upper

43 100

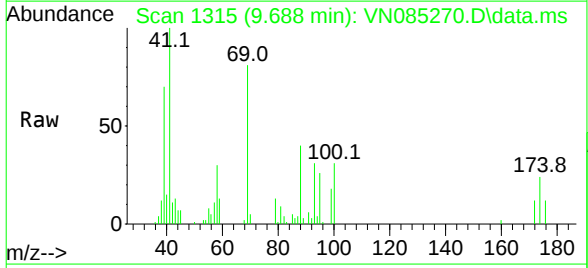
61 23.3 21.5 32.3





#45
1,4-Dioxane
Concen: 461.839 ug/l
RT: 9.688 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

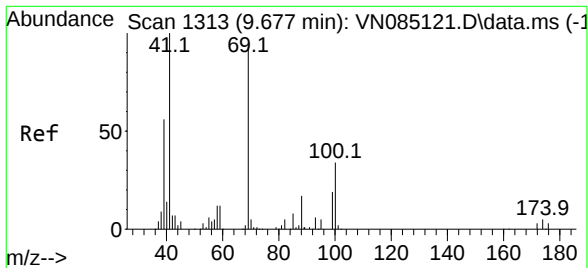
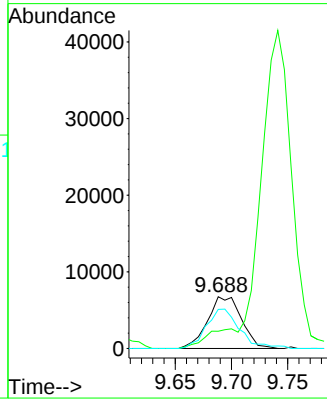
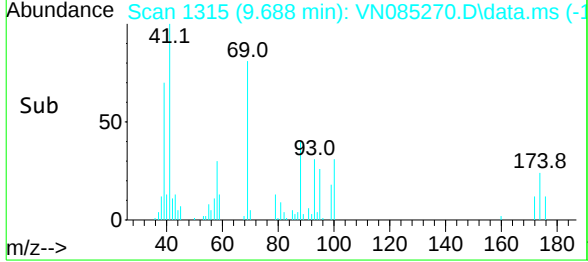
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



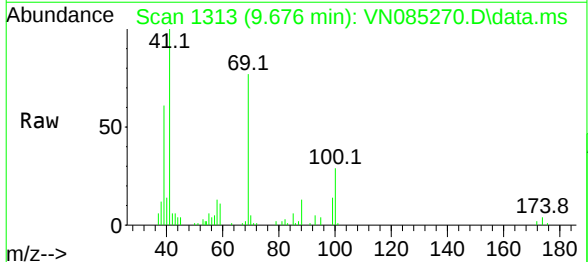
Tgt Ion: 88 Resp: 14203
Ion Ratio Lower Upper
88 100
43 36.3 21.7 32.5#
58 71.5 52.6 79.0

Manual Integrations
APPROVED

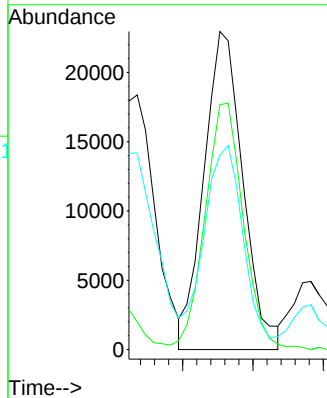
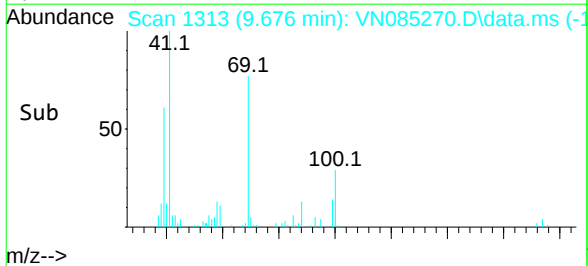
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

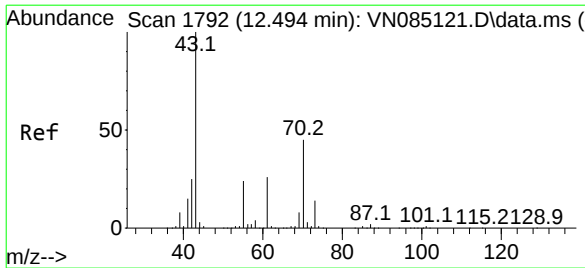


#46
Methyl methacrylate
Concen: 26.197 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11



Tgt Ion: 41 Resp: 44215
Ion Ratio Lower Upper
41 100
69 81.3 46.7 140.0
39 61.6 28.5 85.5





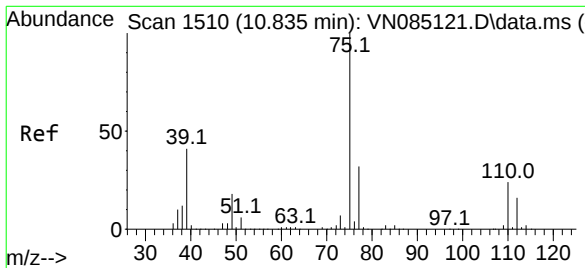
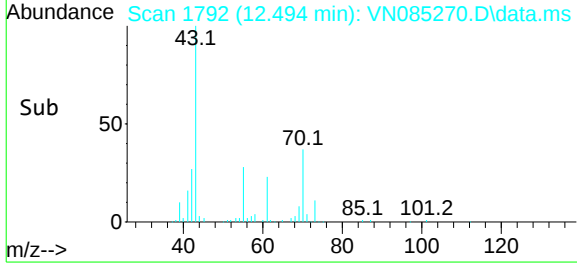
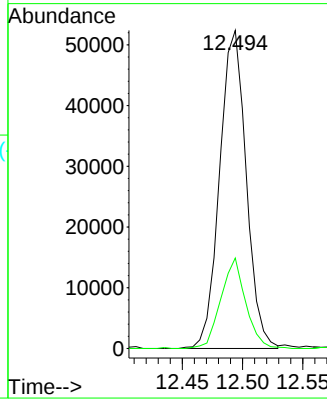
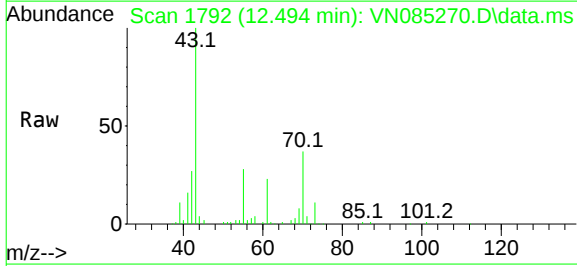
#47
n-amy1 Acetate
Concen: 25.893 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 80341
Ion Ratio Lower Upper
43 100
55 26.5 23.3 34.9

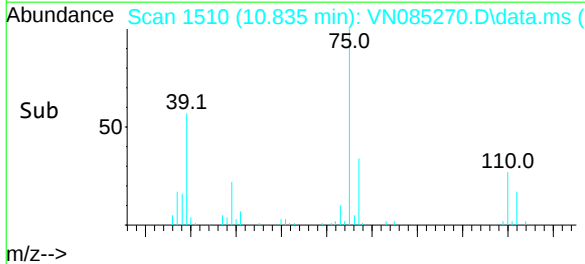
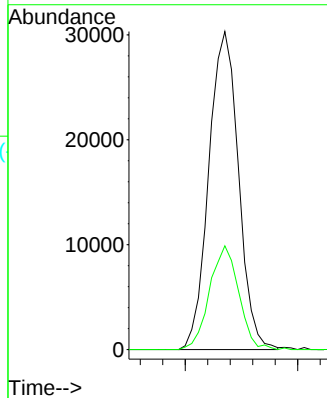
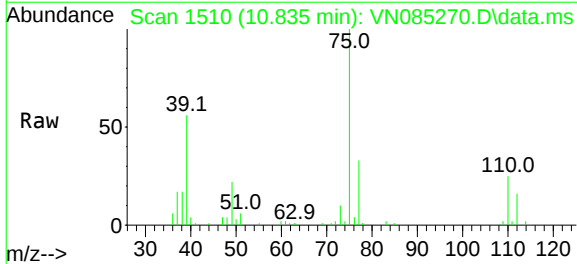
Manual Integrations
APPROVED

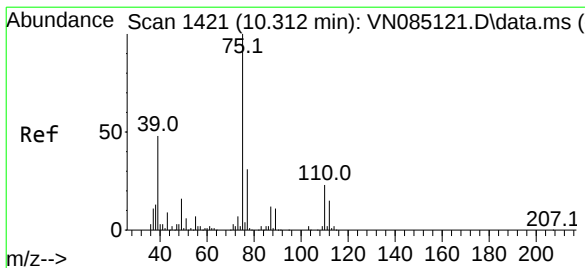
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#48
t-1,3-Dichloropropene
Concen: 20.927 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

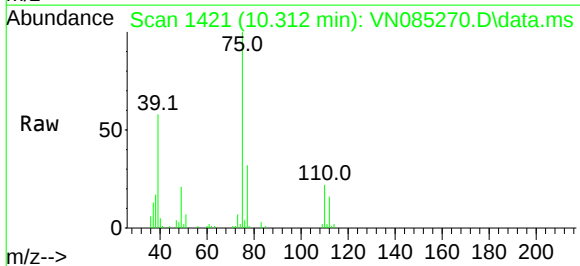
Tgt Ion: 75 Resp: 55708
Ion Ratio Lower Upper
75 100
77 32.6 25.5 38.3





#49
cis-1,3-Dichloropropene
Concen: 21.394 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

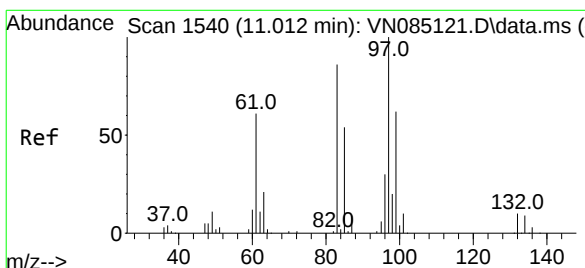
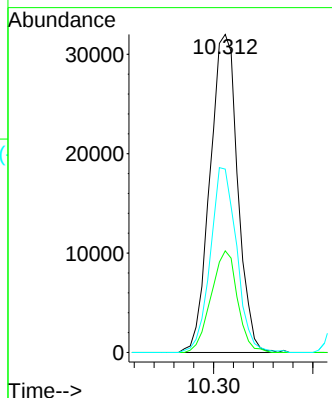
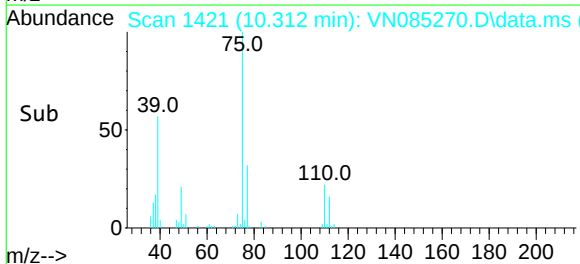
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75	Resp: 61998
Ion Ratio Lower Upper	
75 100	
77 31.9 23.8 35.6	
39 57.6 37.3 55.9	

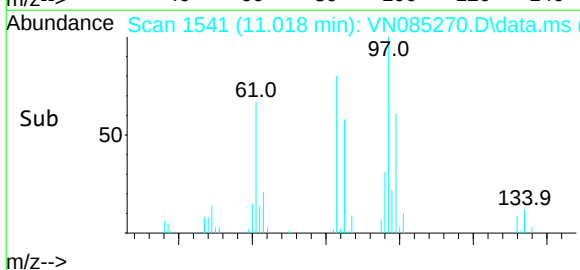
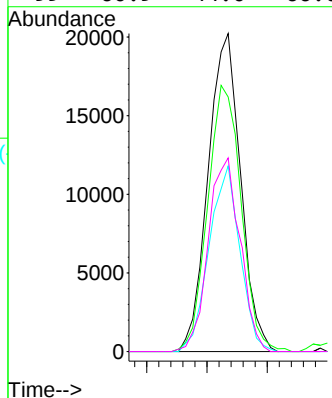
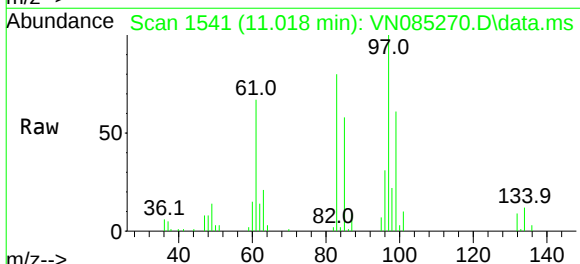
Manual Integrations
APPROVED

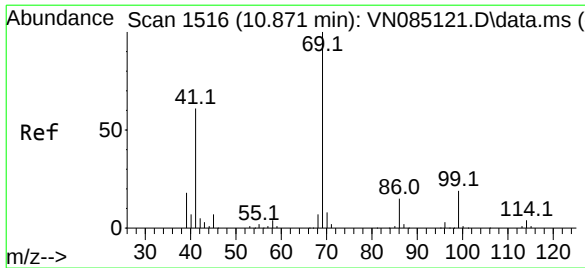
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#50
1,1,2-Trichloroethane
Concen: 22.168 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Tgt Ion: 97	Resp: 37893
Ion Ratio Lower Upper	
97 100	
83 79.3 65.8 98.8	
85 58.4 40.8 61.2	
99 60.9 44.0 66.0	





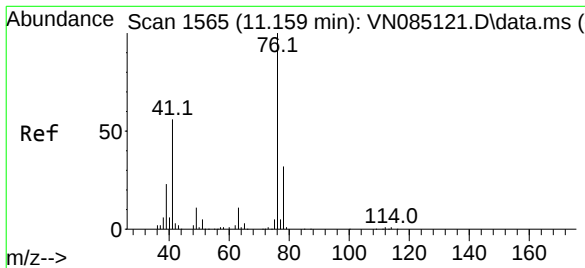
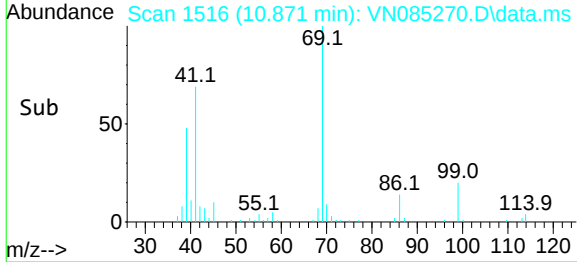
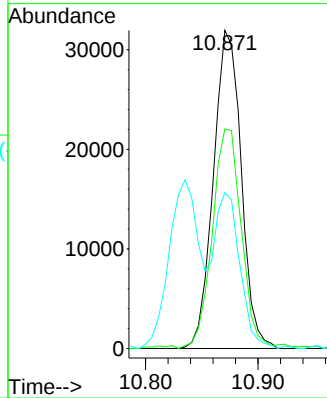
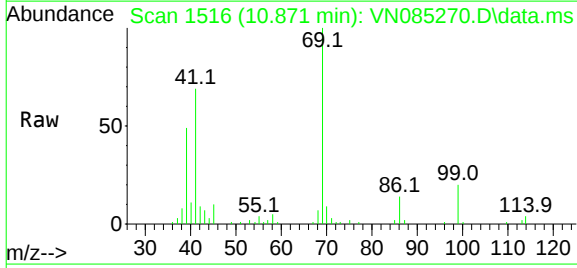
#51
Ethyl methacrylate
Concen: 21.124 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:	69	Resp:	54919
Ion	Ratio	Lower	Upper
69	100		
41	69.0	32.1	96.3
39	49.0	18.8	56.4

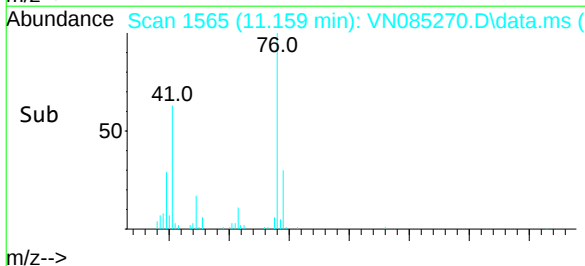
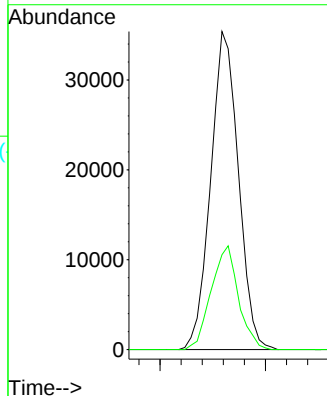
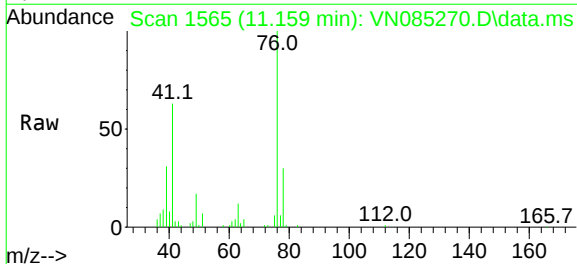
Manual Integrations
APPROVED

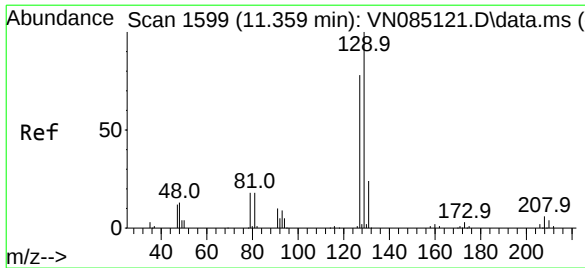
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#52
1,3-Dichloropropane
Concen: 22.622 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Tgt Ion:	76	Resp:	64715
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	65.6





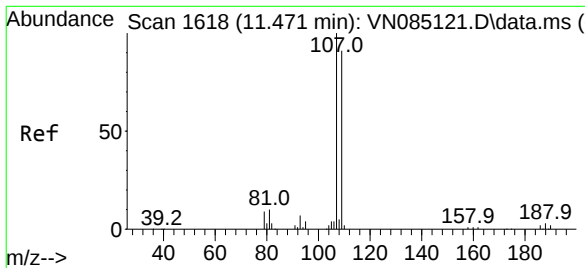
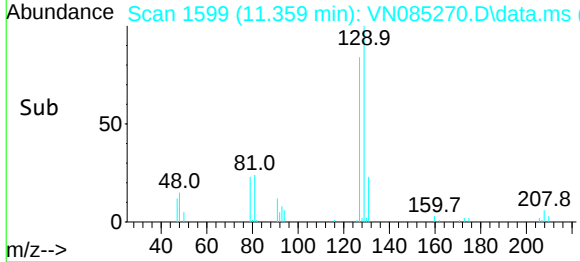
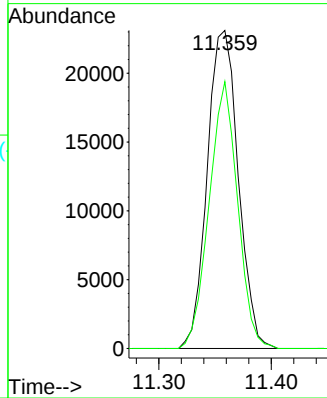
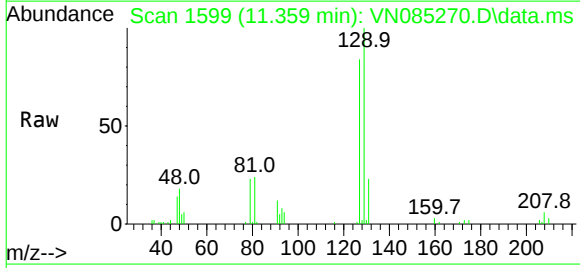
#53
Dibromochloromethane
Concen: 21.323 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:129 Resp: 44418
Ion Ratio Lower Upper
129 100
127 76.9 37.3 111.9

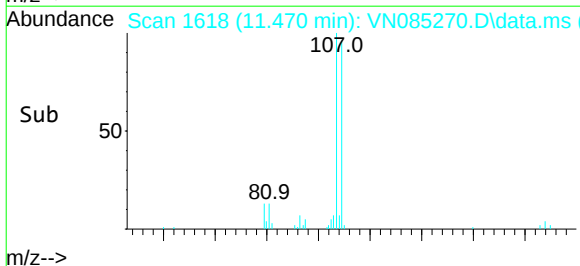
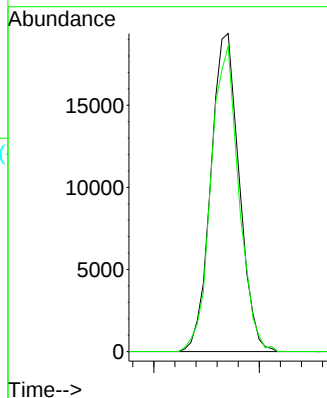
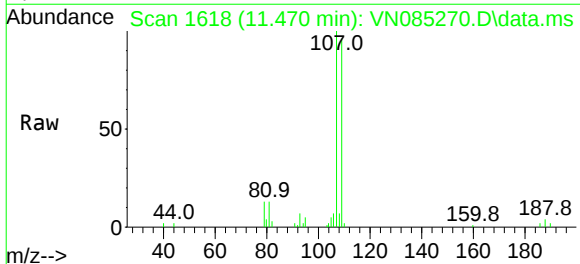
Manual Integrations
APPROVED

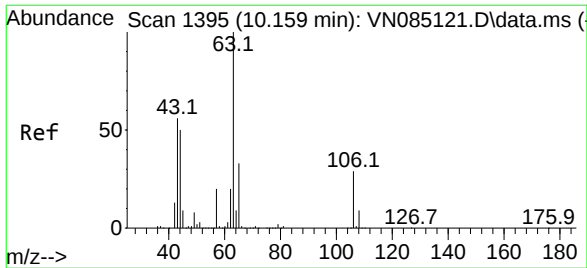
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#54
1,2-Dibromoethane
Concen: 20.997 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. 0.006 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

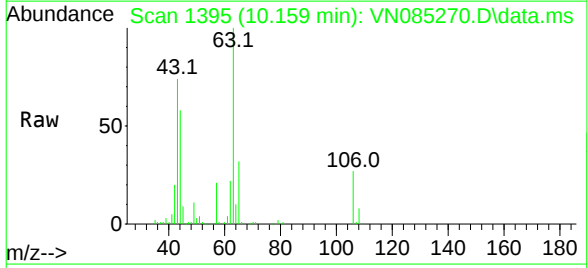
Tgt Ion:107 Resp: 36161
Ion Ratio Lower Upper
107 100
109 94.5 75.2 112.8





#55
2-Chloroethyl vinyl ether
Concen: 108.960 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

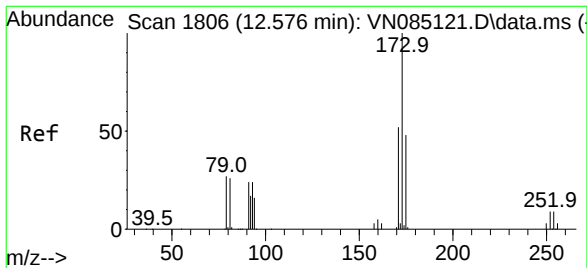
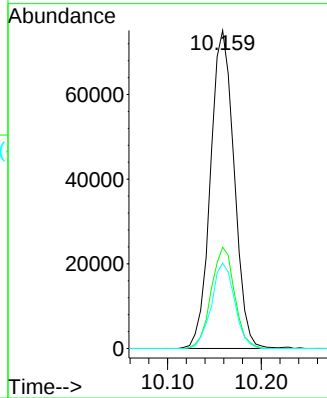
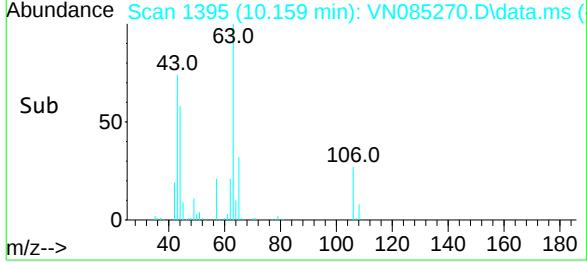
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



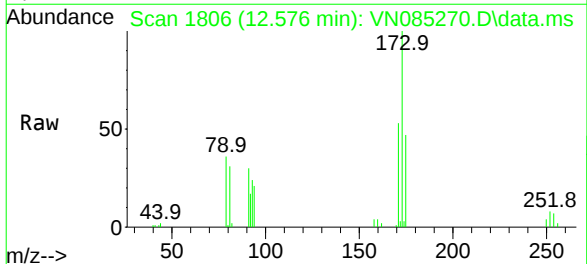
Tgt Ion: 63 Resp: 131594
Ion Ratio Lower Upper
63 100
65 31.5 25.9 38.9
106 26.3 23.5 35.3

Manual Integrations
APPROVED

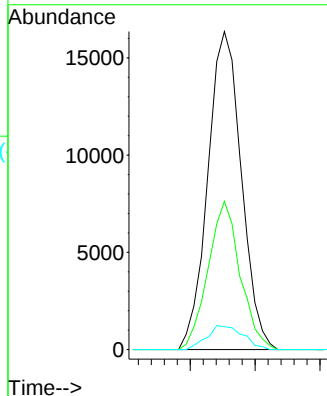
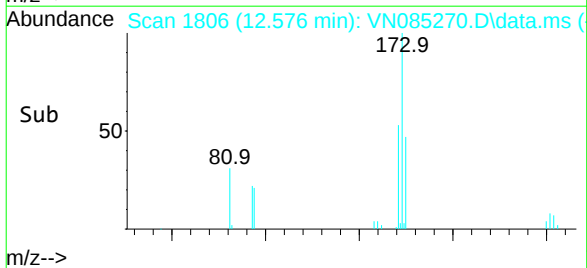
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

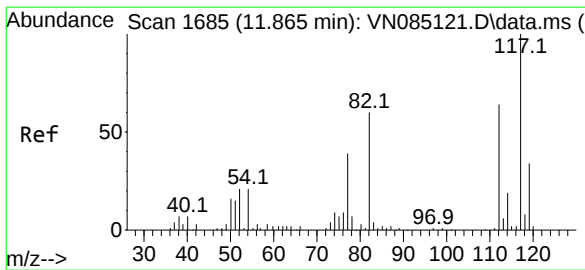


#56
Bromoform
Concen: 21.017 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11



Tgt Ion:173 Resp: 29354
Ion Ratio Lower Upper
173 100
175 44.6 40.2 60.2
254 8.1 6.2 9.4





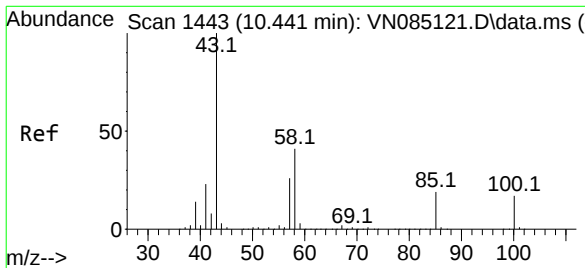
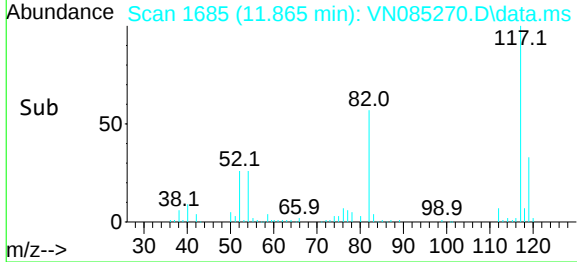
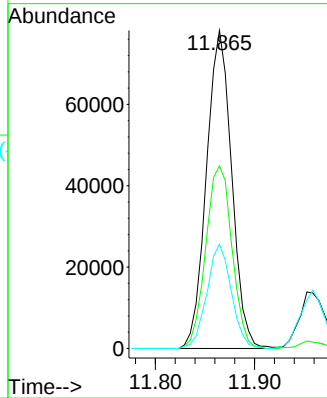
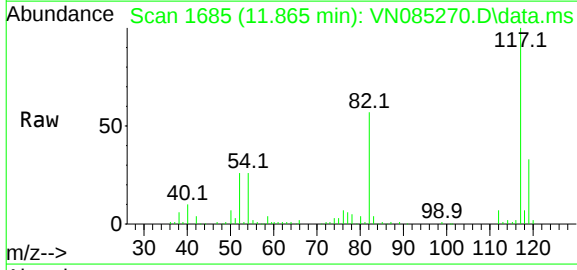
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:117 Resp: 138361
Ion Ratio Lower Upper
117 100
82 59.6 44.2 66.4
119 31.8 25.4 38.2

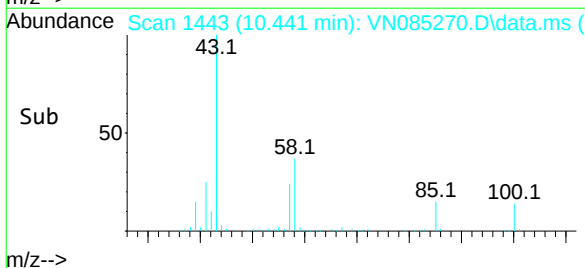
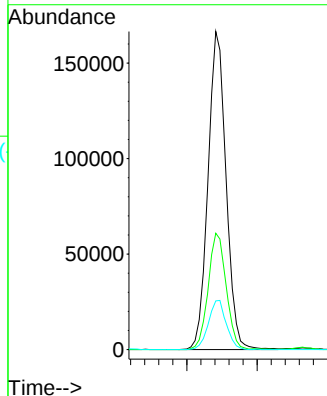
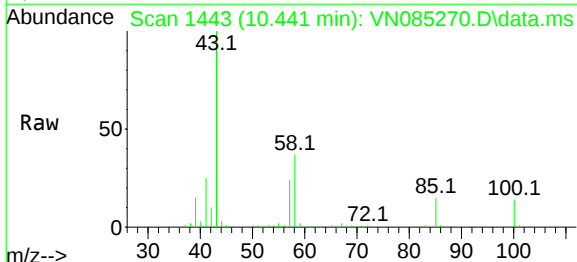
Manual Integrations
APPROVED

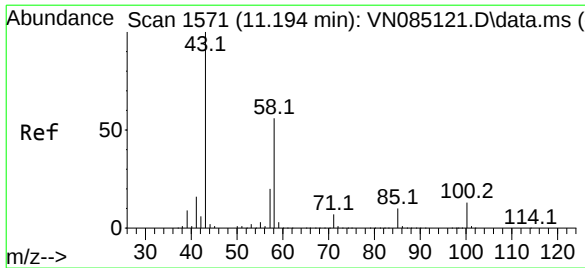
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#58
4-Methyl-2-Pentanone
Concen: 131.721 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

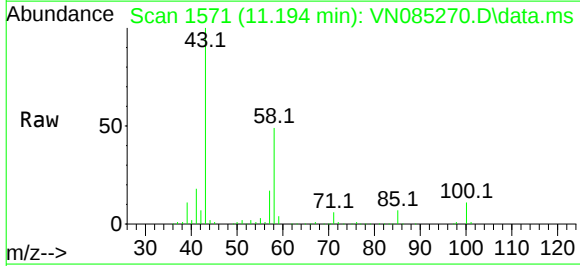
Tgt Ion: 43 Resp: 297440
Ion Ratio Lower Upper
43 100
58 36.4 31.6 47.4
85 15.3 15.0 22.6





#59
2-Hexanone
Concen: 127.054 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

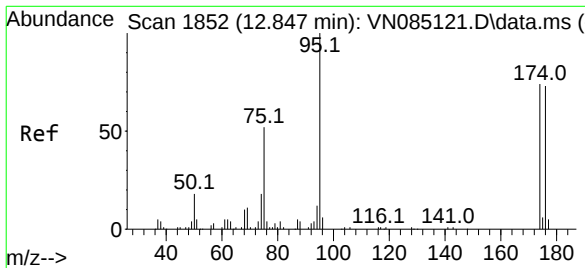
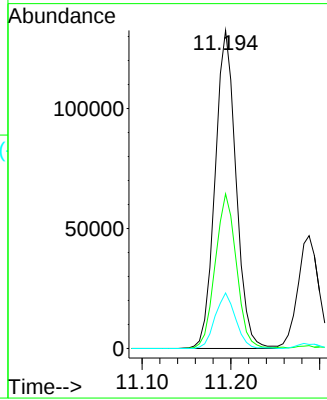
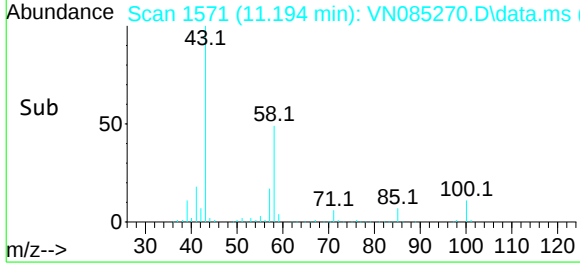
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



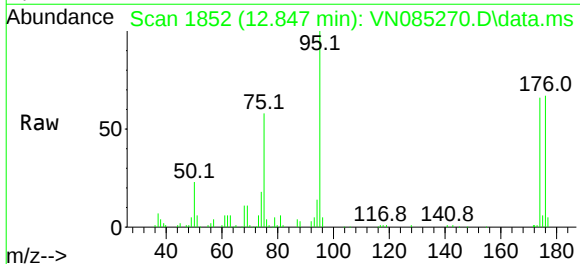
Tgt Ion: 43 Resp: 217387
Ion Ratio Lower Upper
43 100
58 49.1 43.6 65.4
57 17.0 15.4 23.0

Manual Integrations
APPROVED

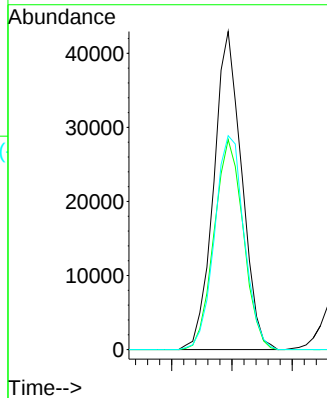
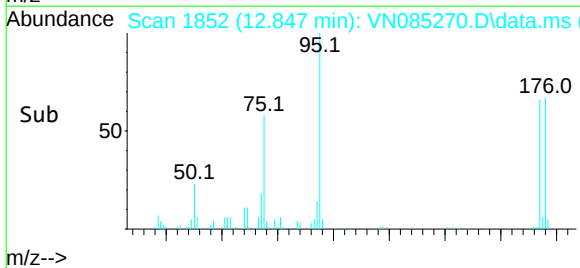
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

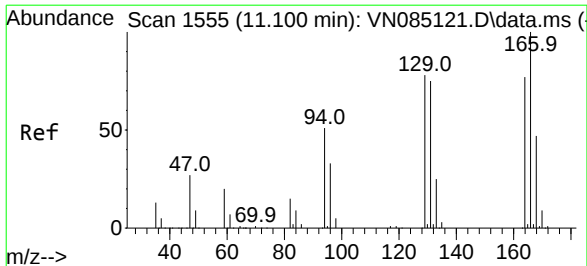


#60
4-Bromofluorobenzene
Concen: 30.257 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11



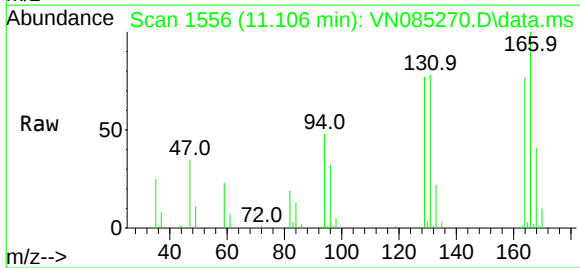
Tgt Ion: 95 Resp: 69268
Ion Ratio Lower Upper
95 100
174 68.8 60.3 90.5
176 70.9 57.4 86.0





#61
Tetrachloroethene
Concen: 18.371 ug/l
RT: 11.106 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

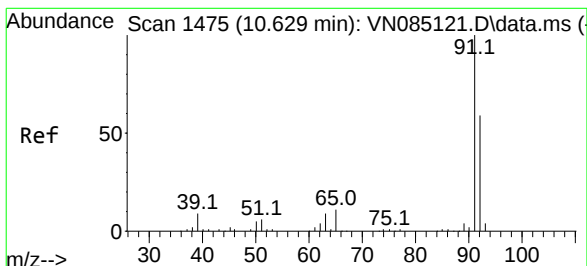
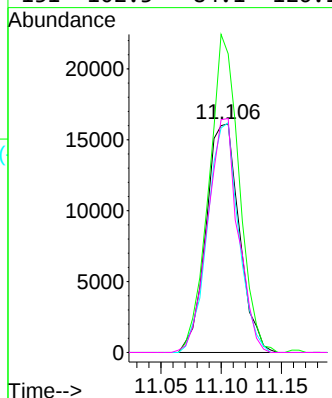
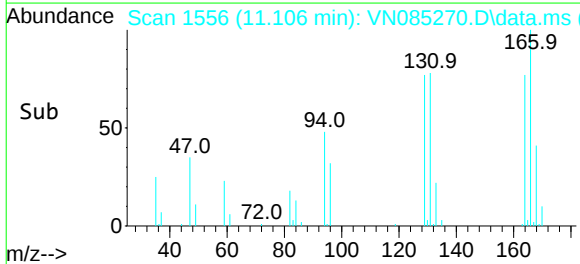
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:164 Resp: 30782
Ion Ratio Lower Upper
164 100
166 130.6 103.8 155.8
129 100.4 84.2 126.4
131 102.3 84.1 126.1

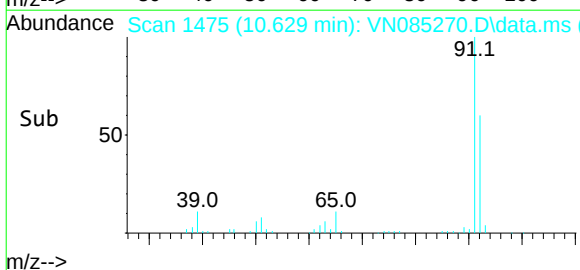
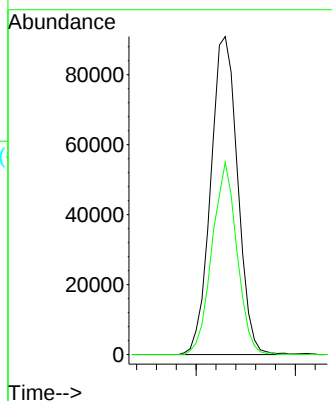
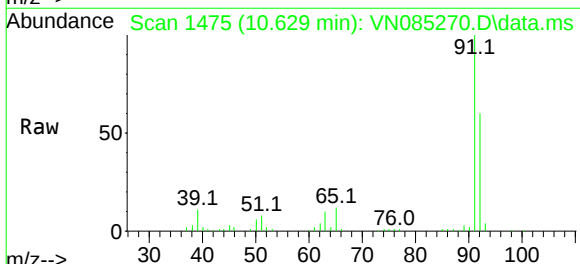
Manual Integrations
APPROVED

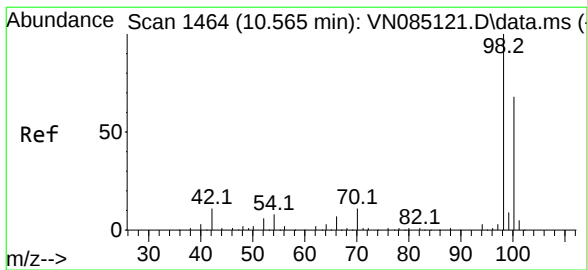
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#62
Toluene
Concen: 21.237 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

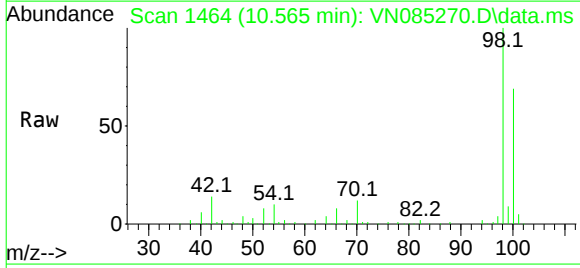
Tgt Ion: 91 Resp: 171364
Ion Ratio Lower Upper
91 100
92 55.8 46.5 69.7





#63
Toluene-d8
Concen: 31.103 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

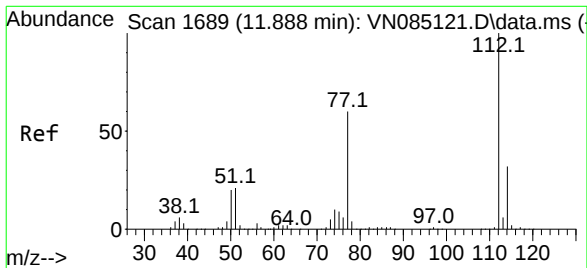
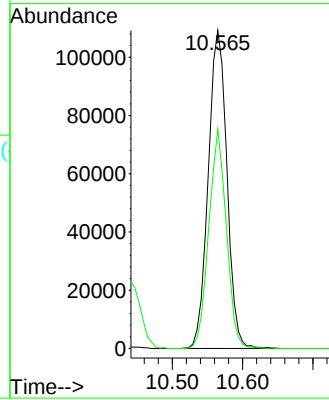
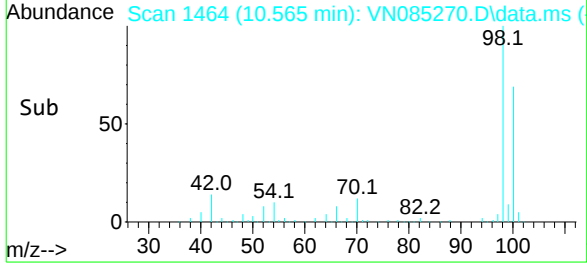
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 98 Resp: 201864
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0

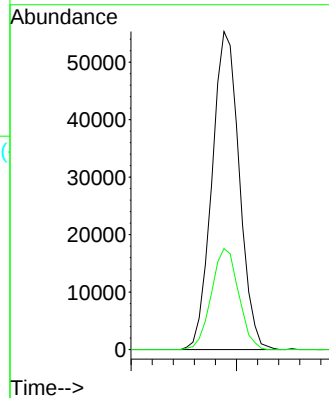
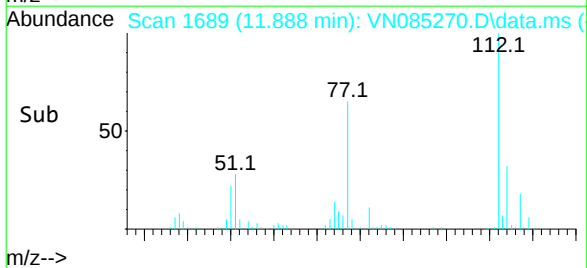
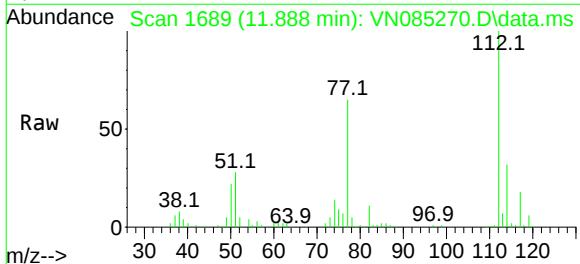
Manual Integrations
APPROVED

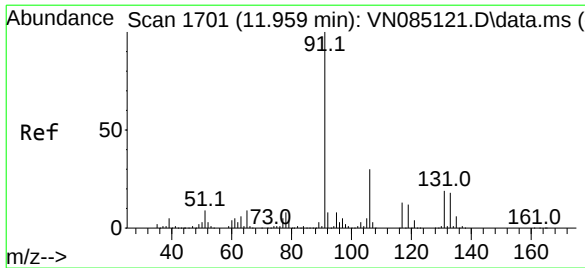
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#64
Chlorobenzene
Concen: 19.992 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

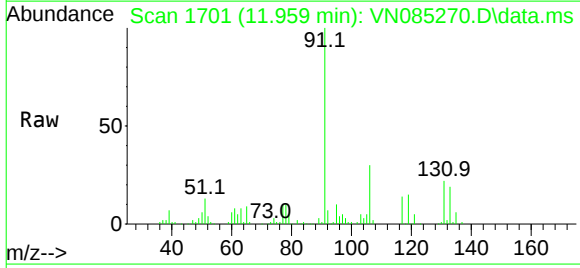
Tgt Ion:112 Resp: 99600
Ion Ratio Lower Upper
112 100
114 31.8 26.0 39.0





#65
1,1,1,2-Tetrachloroethane
Concen: 20.251 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

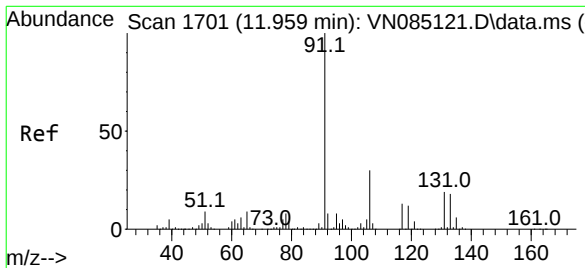
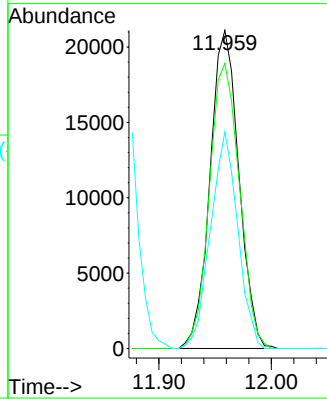
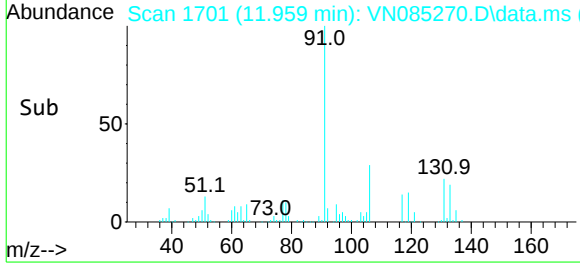
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 131 Resp: 37662
Ion Ratio Lower Upper
131 100
133 93.2 0.0 194.0
119 64.3 0.0 131.8

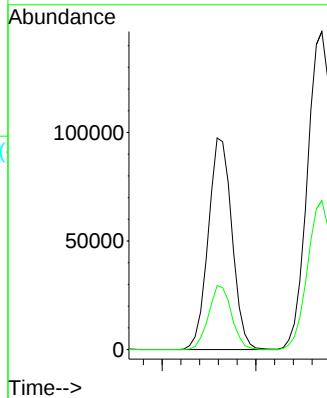
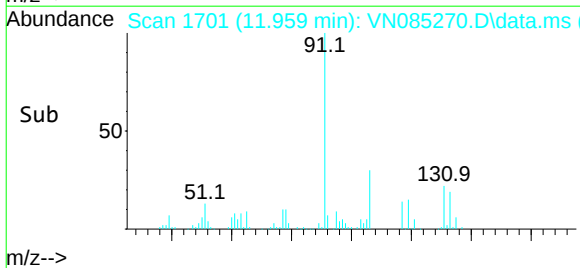
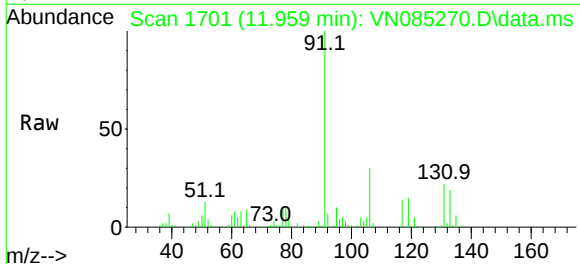
Manual Integrations
APPROVED

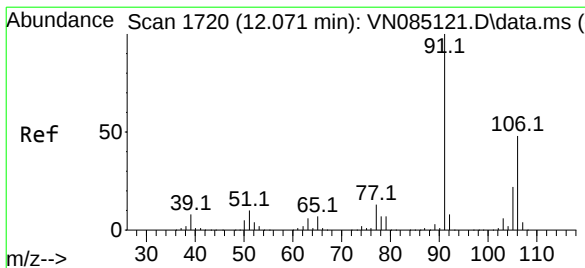
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#66
Ethyl Benzene
Concen: 20.026 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Tgt Ion: 91 Resp: 171471
Ion Ratio Lower Upper
91 100
106 30.2 23.1 34.7





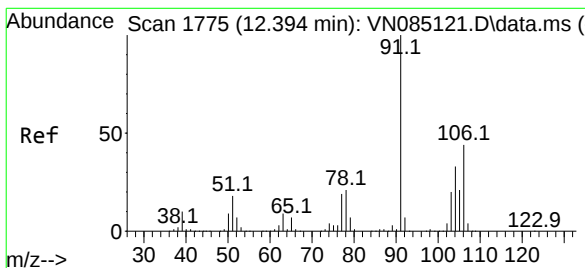
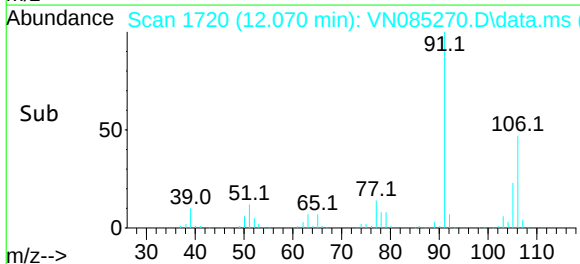
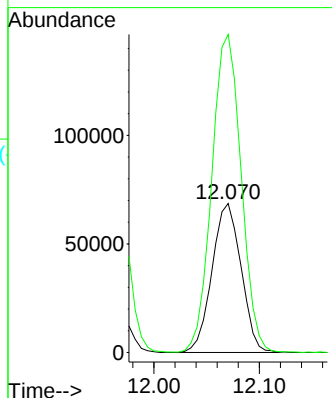
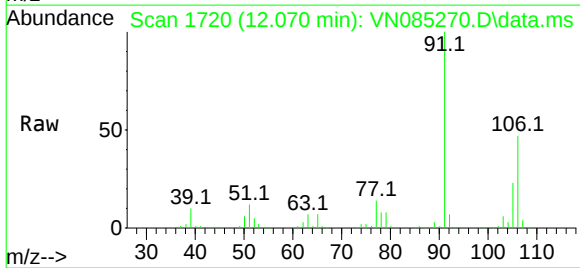
#67
m/p-Xylenes
Concen: 39.915 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 131452
Ion Ratio Lower Upper
106 100
91 215.6 165.0 247.4

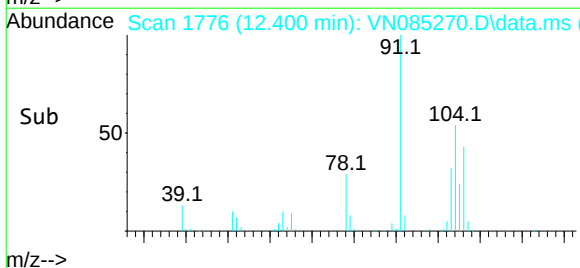
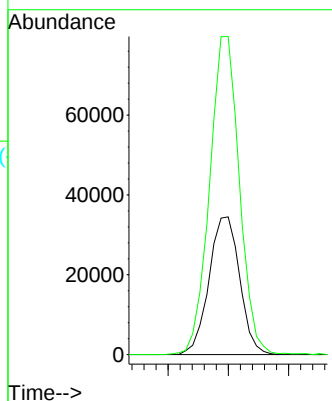
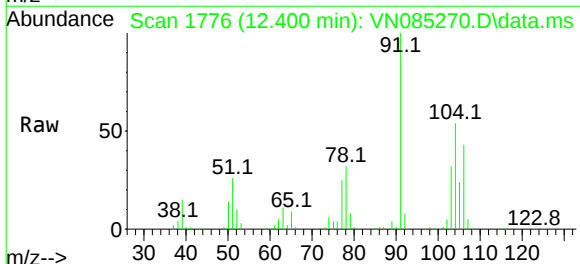
Manual Integrations
APPROVED

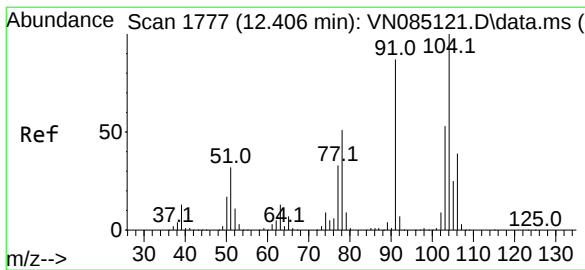
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#68
o-Xylene
Concen: 19.760 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Tgt Ion:106 Resp: 61114
Ion Ratio Lower Upper
106 100
91 224.1 112.1 336.4





#69

Styrene

Concen: 20.379 ug/l

RT: 12.412 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN085270.D

Acq: 19 Dec 2024 17:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

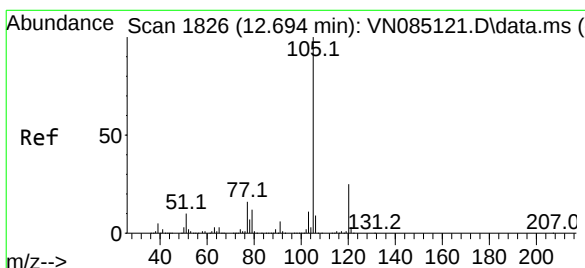
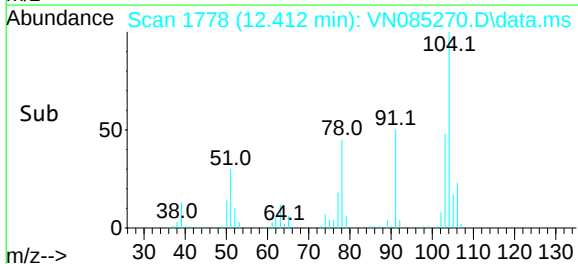
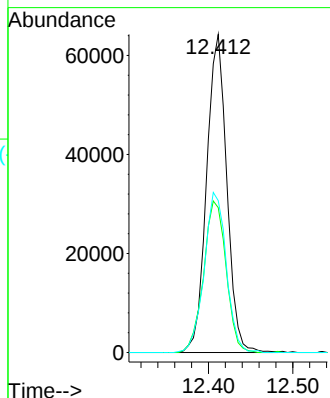
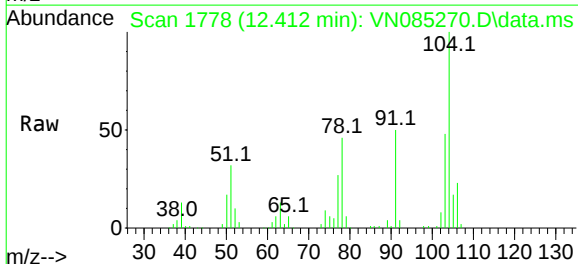
Tgt Ion:104 Resp: 106956
 Ion Ratio Lower Upper
 104 100
 78 53.0 42.3 63.5
 103 54.9 44.4 66.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#70

Isopropylbenzene

Concen: 20.043 ug/l

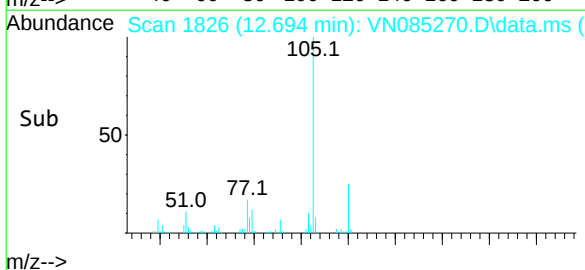
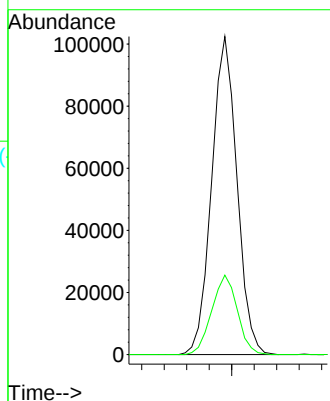
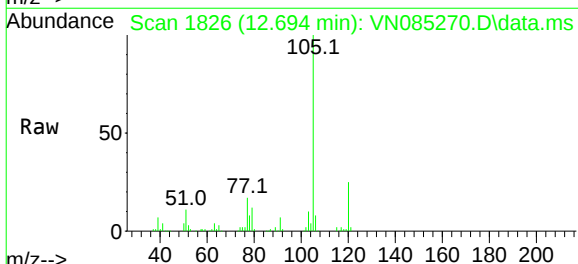
RT: 12.694 min Scan# 1826

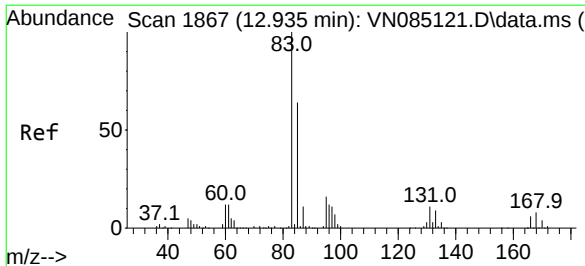
Delta R.T. -0.000 min

Lab File: VN085270.D

Acq: 19 Dec 2024 17:11

Tgt Ion:105 Resp: 159885
 Ion Ratio Lower Upper
 105 100
 120 25.2 18.3 33.9





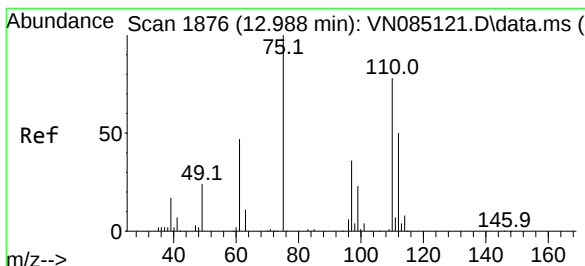
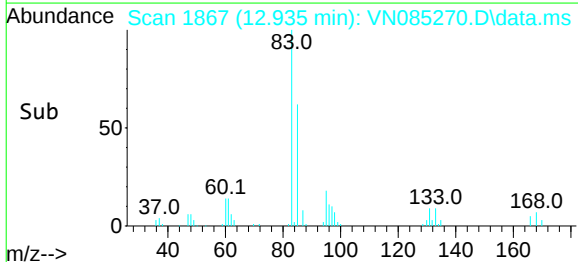
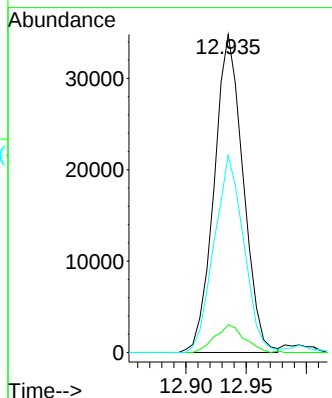
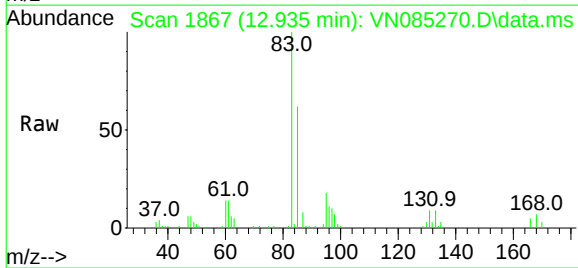
#71
1,1,2,2-Tetrachloroethane
Concen: 23.975 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
83	100		
131	8.8	5.1	15.3
85	63.3	31.1	93.5

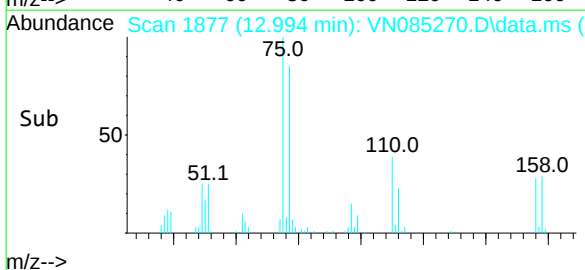
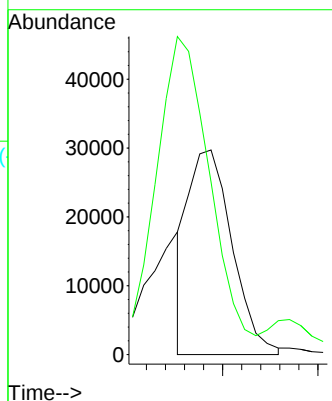
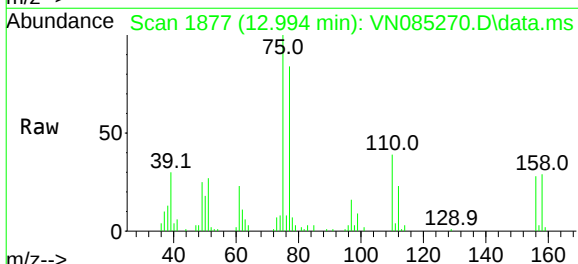
Manual Integrations
APPROVED

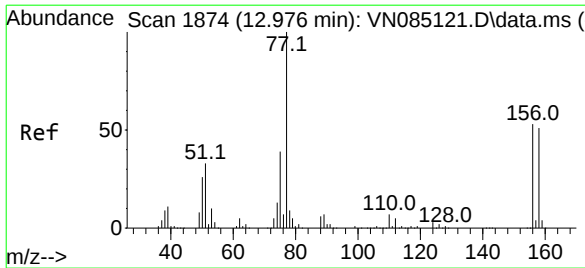
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#72
1,2,3-Trichloropropane
Concen: 19.863 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	194.3	0.0	339.0





#73

Bromobenzene

Concen: 18.807 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. -0.000 min

Lab File: VN085270.D

Acq: 19 Dec 2024 17:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

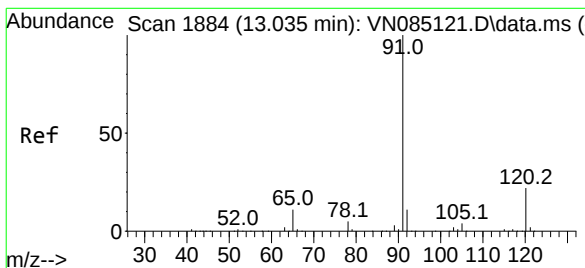
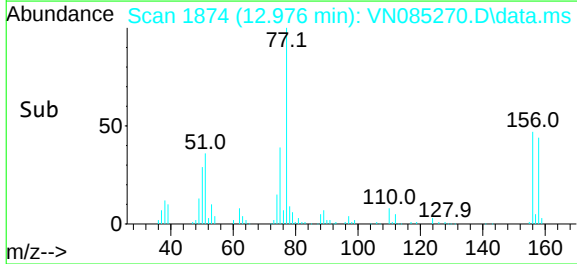
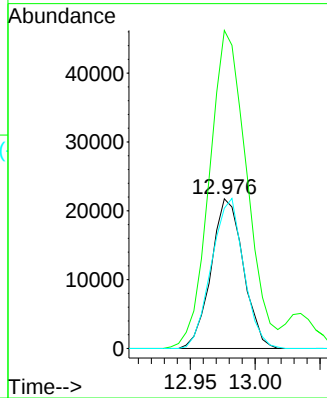
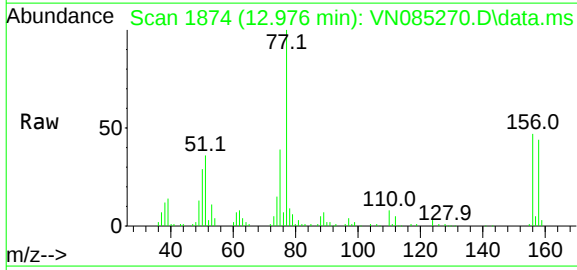
Tgt Ion: 156 Resp: 37580
 Ion Ratio Lower Upper
 156 100
 77 246.3 0.0 430.4
 158 100.0 0.0 195.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#74

n-propylbenzene

Concen: 20.307 ug/l

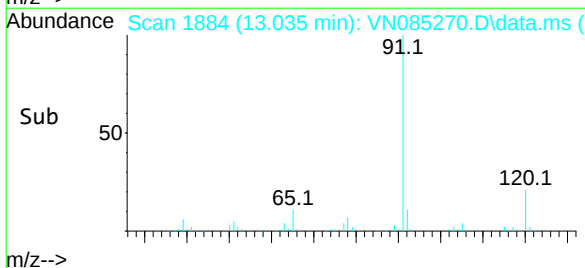
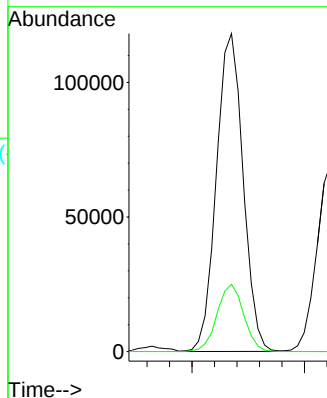
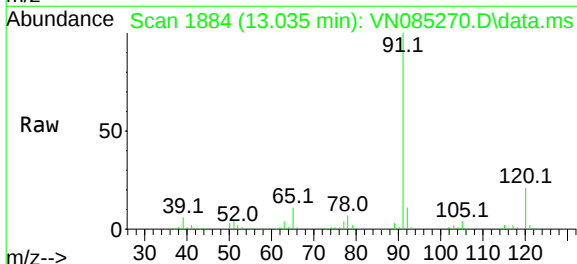
RT: 13.035 min Scan# 1884

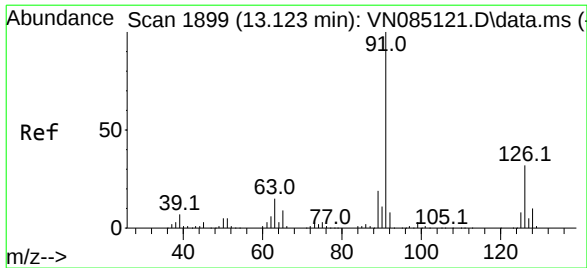
Delta R.T. -0.000 min

Lab File: VN085270.D

Acq: 19 Dec 2024 17:11

Tgt Ion: 91 Resp: 194752
 Ion Ratio Lower Upper
 91 100
 120 21.1 0.0 44.0





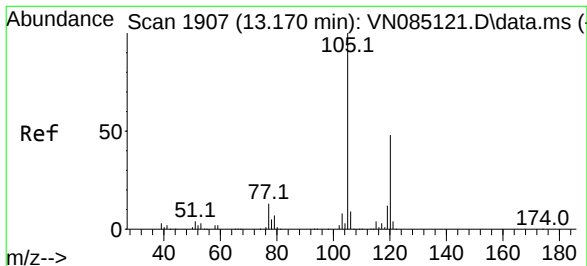
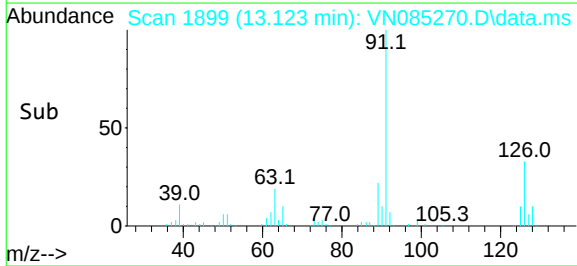
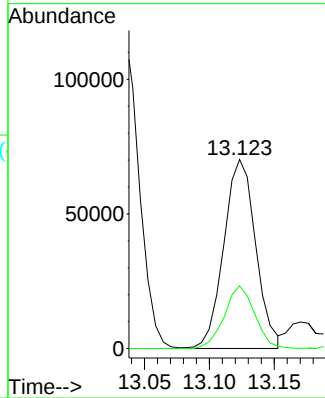
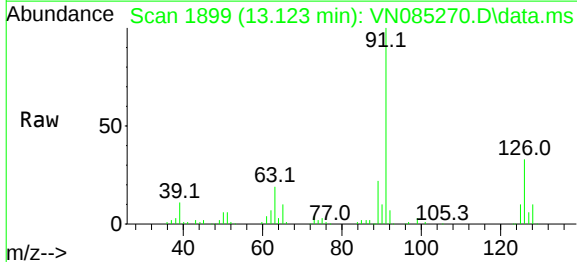
#75
2-Chlorotoluene
Concen: 20.253 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 120092
Ion Ratio Lower Upper
91 100
126 31.4 0.0 64.2

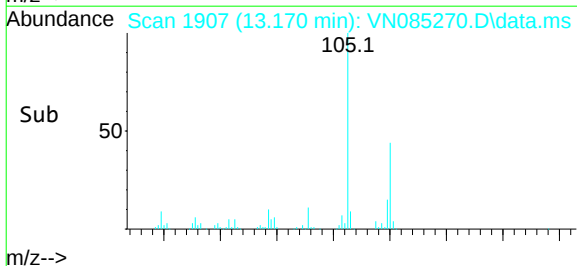
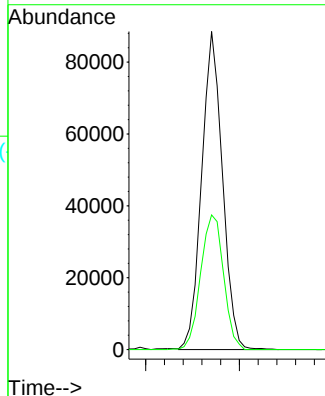
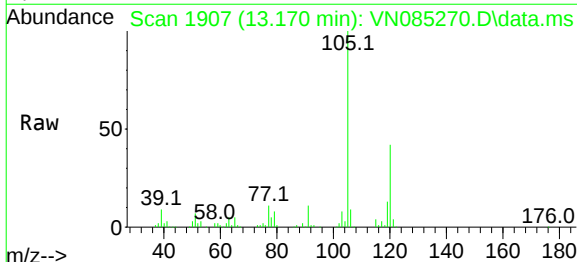
Manual Integrations
APPROVED

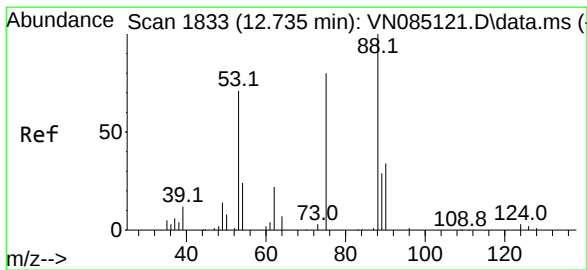
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#76
1,3,5-Trimethylbenzene
Concen: 19.990 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

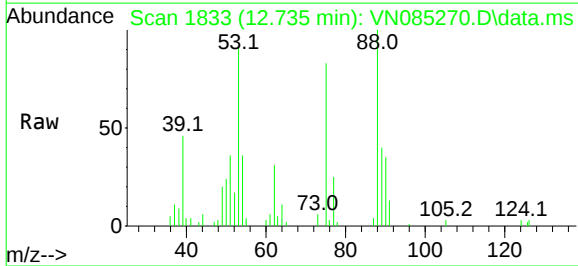
Tgt Ion:105 Resp: 136619
Ion Ratio Lower Upper
105 100
120 46.4 0.0 94.4





#77
t-1,4-Dichloro-2-butene
Concen: 20.834 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

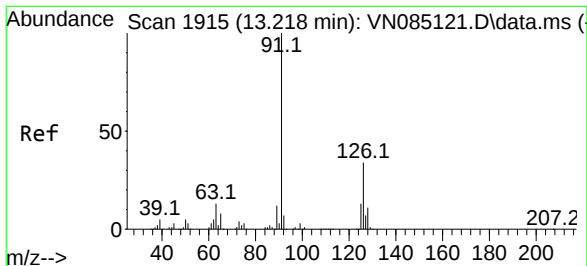
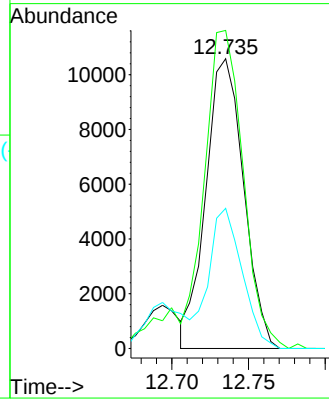
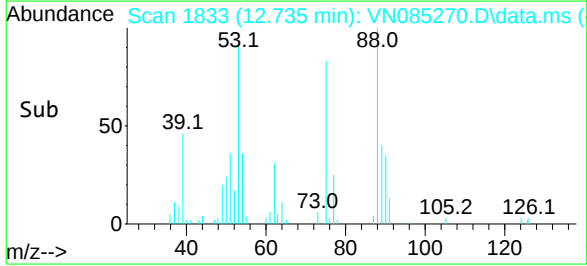
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 18158
Ion Ratio Lower Upper
75 100
53 107.7 49.1 147.3
89 48.4 22.9 68.5

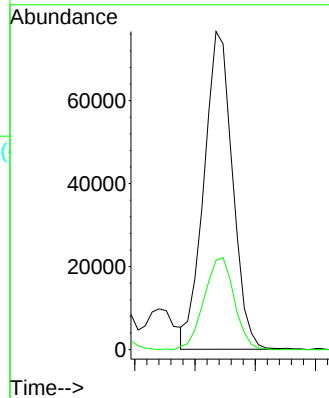
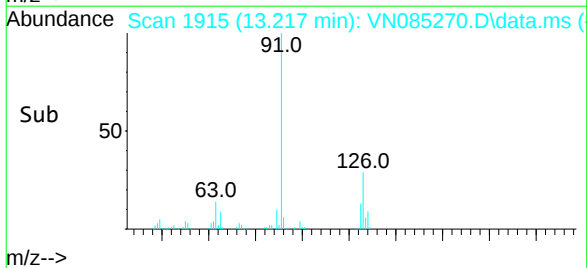
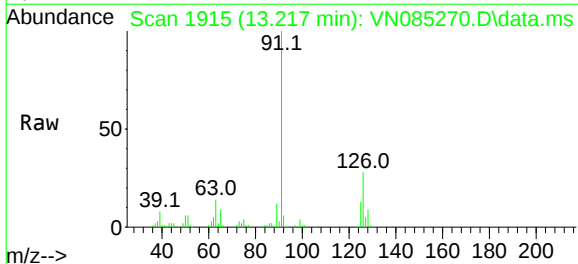
Manual Integrations
APPROVED

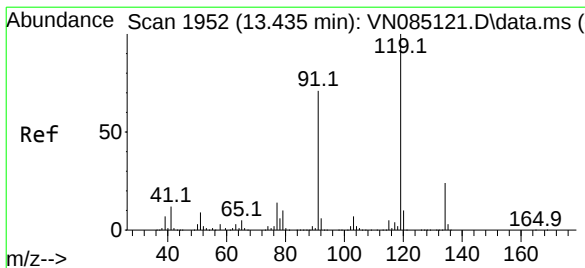
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#78
4-Chlorotoluene
Concen: 20.935 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Tgt Ion: 91 Resp: 126000
Ion Ratio Lower Upper
91 100
126 30.5 0.0 64.4





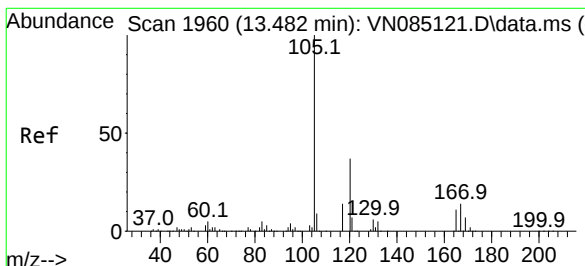
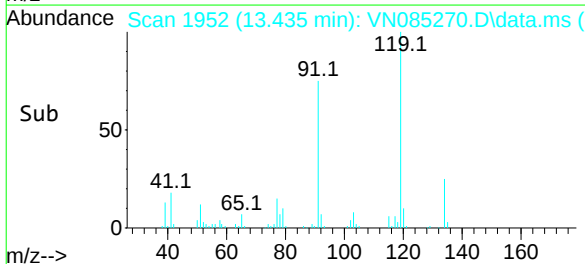
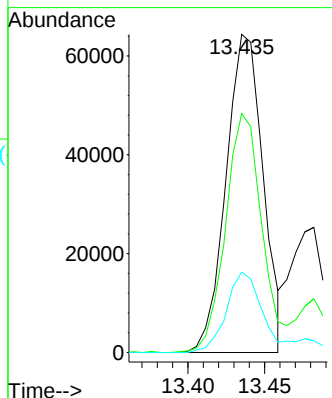
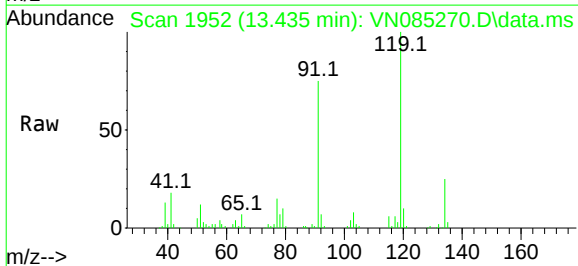
#79
tert-butylbenzene
Concen: 19.277 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:119 Resp: 108214
Ion Ratio Lower Upper
119 100
91 73.9 0.0 139.2
134 23.6 0.0 48.0

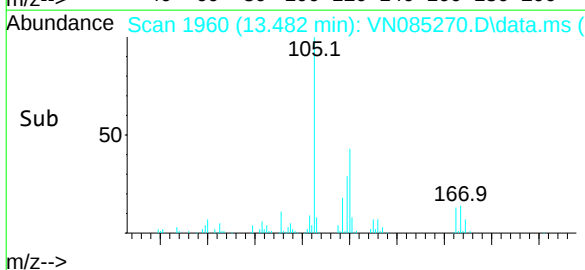
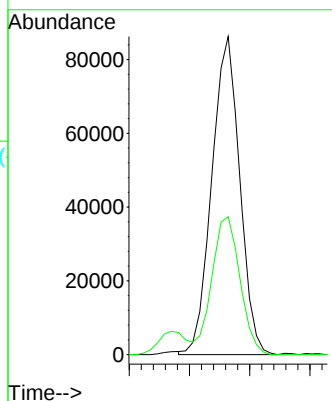
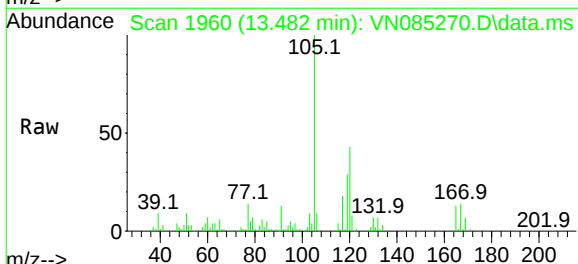
Manual Integrations
APPROVED

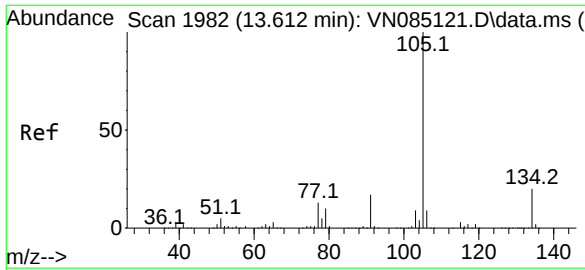
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#80
1,2,4-Trimethylbenzene
Concen: 20.555 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

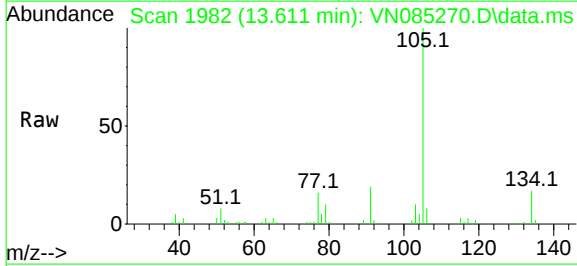
Tgt Ion:105 Resp: 138768
Ion Ratio Lower Upper
105 100
120 43.6 0.0 87.4





#81
sec-Butylbenzene
Concen: 19.579 ug/l
RT: 13.611 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

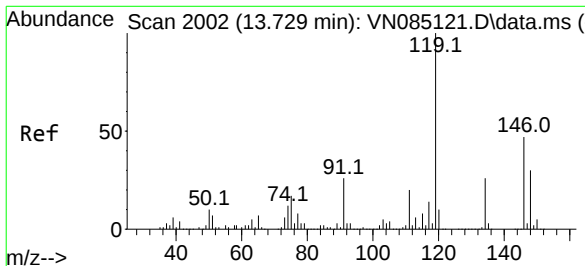
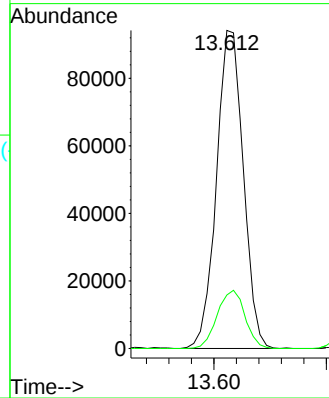
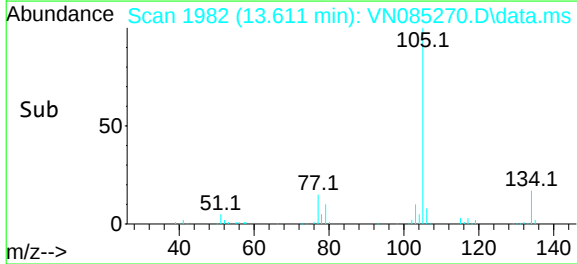
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:105 Resp: 156142
Ion Ratio Lower Upper
105 100
134 18.9 0.0 38.0

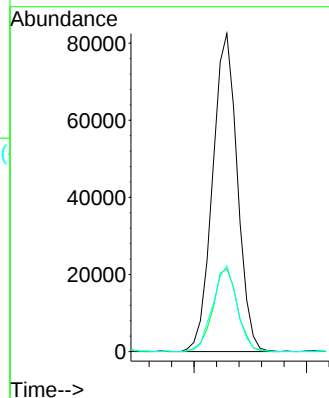
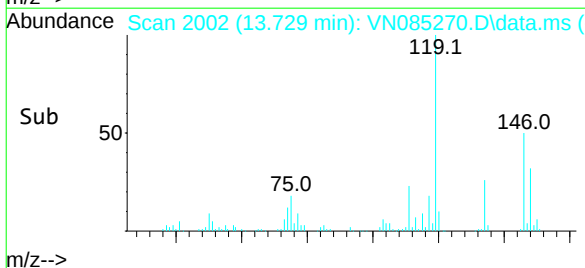
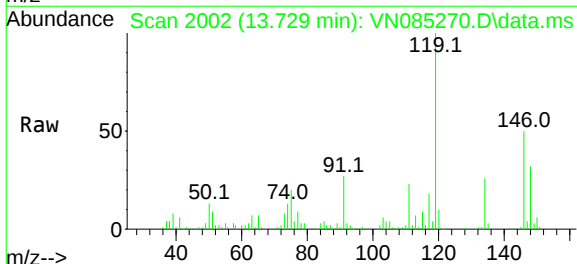
Manual Integrations
APPROVED

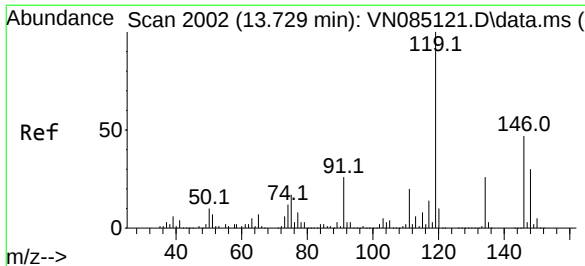
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#82
p-Isopropyltoluene
Concen: 19.099 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

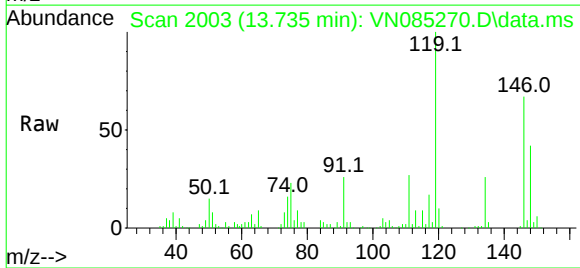
Tgt Ion:119 Resp: 126276
Ion Ratio Lower Upper
119 100
134 26.1 0.0 51.6
91 26.4 0.0 50.4





#83
1,3-Dichlorobenzene
Concen: 19.987 ug/l
RT: 13.735 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

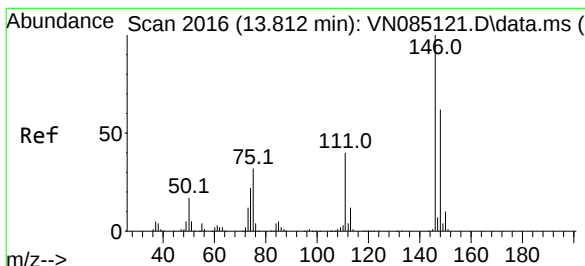
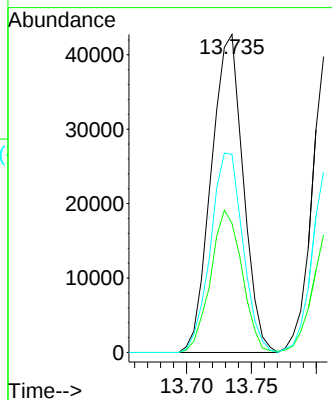
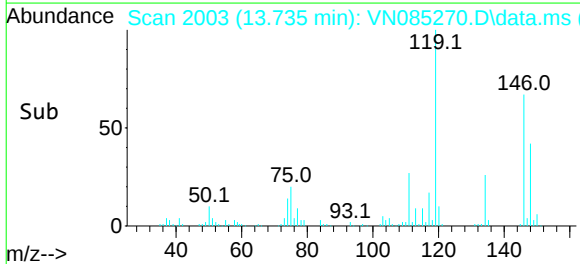
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



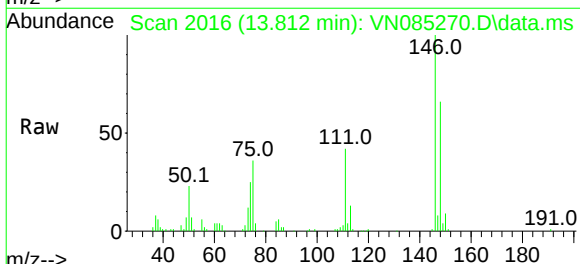
Tgt Ion:146 Resp: 73272
Ion Ratio Lower Upper
146 100
111 44.0 21.1 63.3
148 63.5 31.8 95.3

Manual Integrations
APPROVED

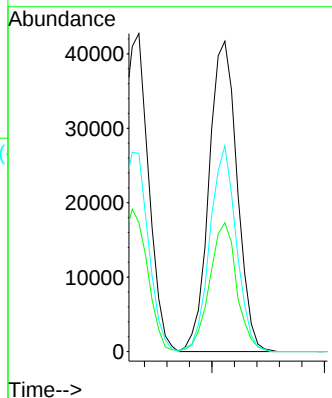
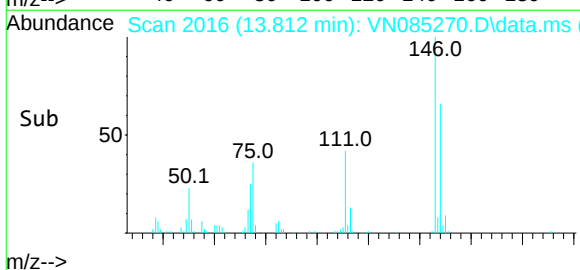
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

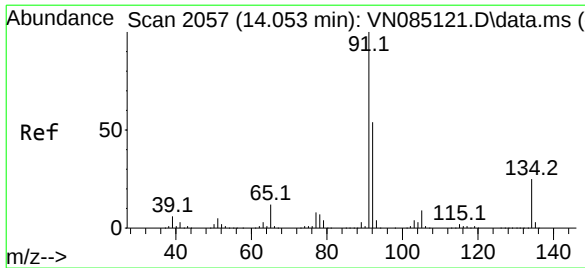


#84
1,4-Dichlorobenzene
Concen: 20.339 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11



Tgt Ion:146 Resp: 72668
Ion Ratio Lower Upper
146 100
111 39.9 20.1 60.3
148 61.7 31.6 94.7





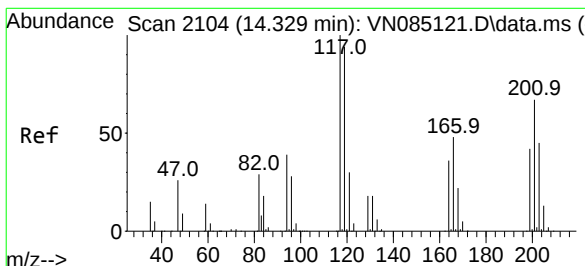
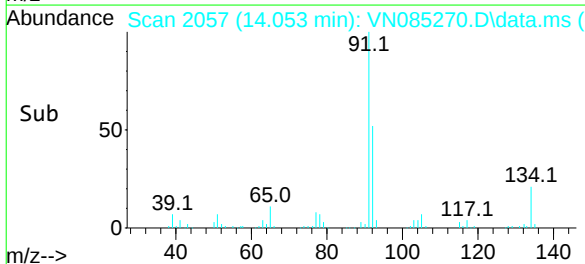
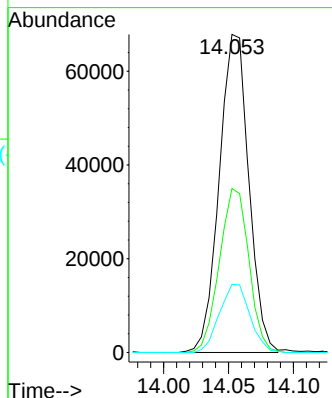
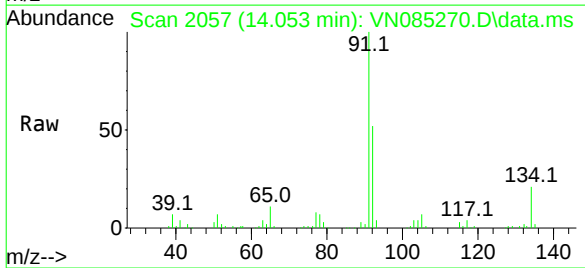
#85
n-Butylbenzene
Concen: 19.408 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 107638
Ion Ratio Lower Upper
91 100
92 51.3 0.0 104.0
134 22.1 0.0 49.2

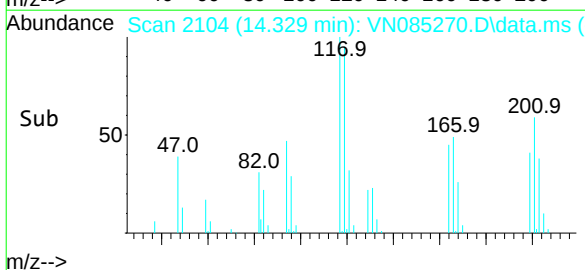
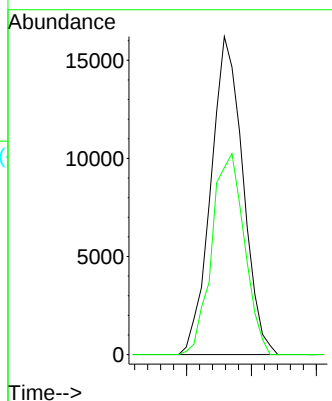
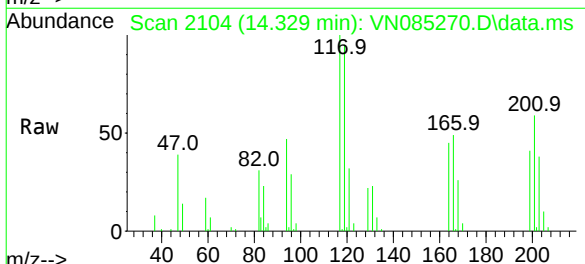
Manual Integrations
APPROVED

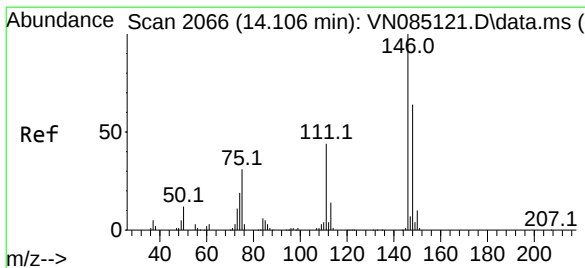
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#86
Hexachloroethane
Concen: 21.173 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Tgt Ion:117 Resp: 27869
Ion Ratio Lower Upper
117 100
201 64.1 34.1 102.3





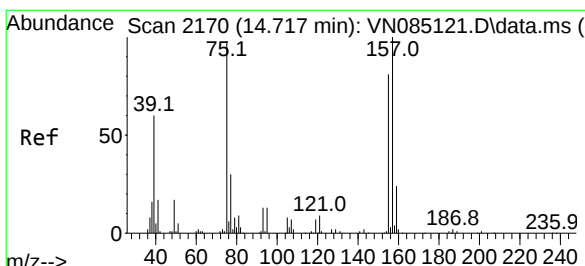
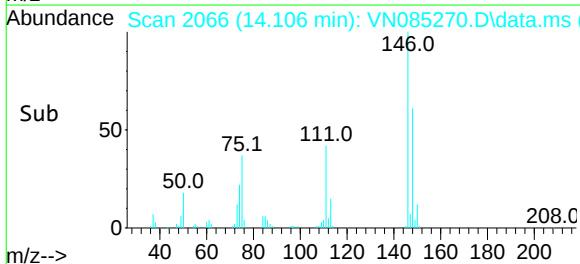
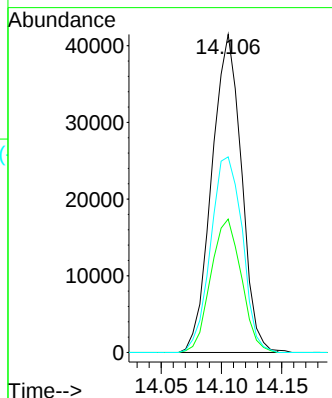
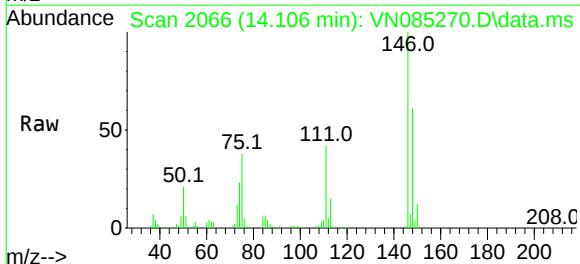
#87
1,2-Dichlorobenzene
Concen: 20.567 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.9	65.7
148	65.7	32.4	97.0

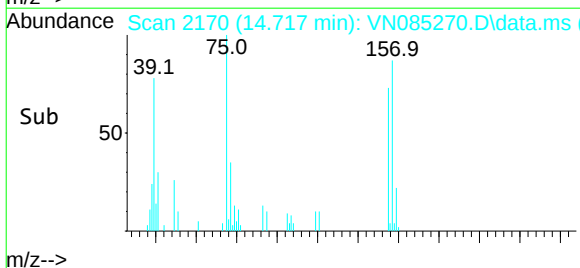
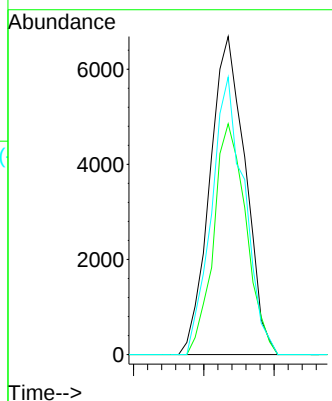
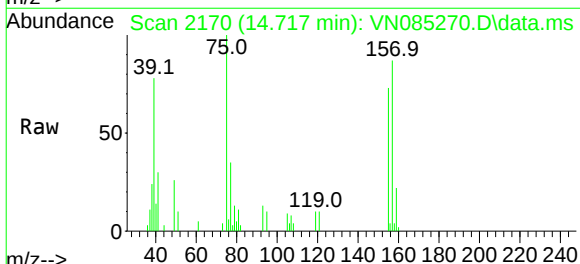
Manual Integrations
APPROVED

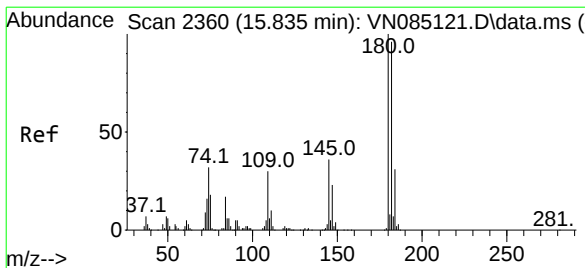
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#88
1,2-Dibromo-3-Chloropropane
Concen: 24.242 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085270.D
Acq: 19 Dec 2024 17:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.5	62.1	93.1
157	80.8	79.3	118.9





#89

1,2,4-Trichlorobenzene

Concen: 19.301 ug/l

RT: 15.835 min Scan# 23

Delta R.T. -0.000 min

Lab File: VN085270.D

Acq: 19 Dec 2024 17:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

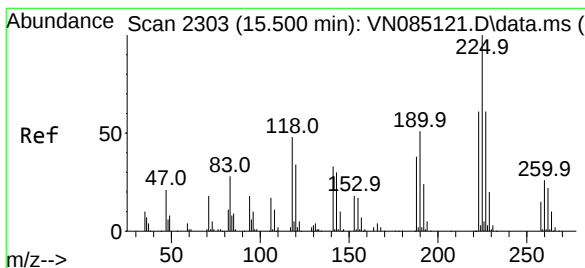
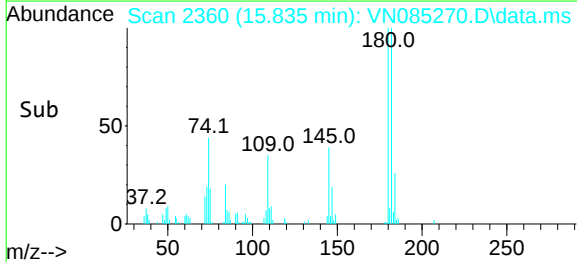
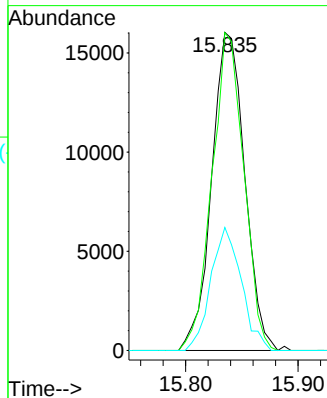
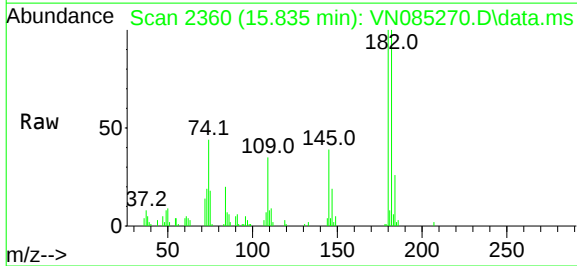
Tgt Ion:	180	Resp:	32709
Ion Ratio	Lower	Upper	
180	100		
182	96.3	74.0	111.0
145	35.8	28.6	43.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#90

Hexachlorobutadiene

Concen: 18.601 ug/l

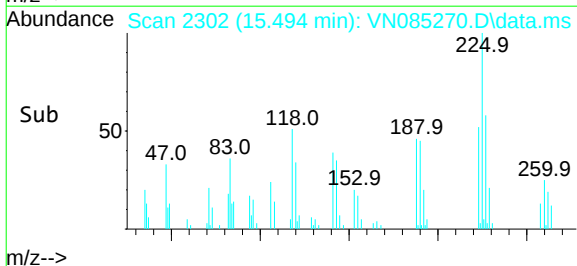
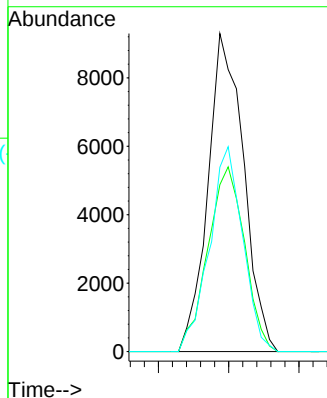
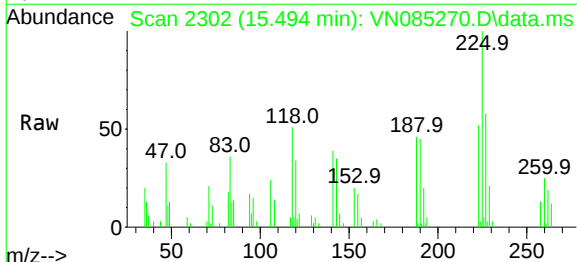
RT: 15.494 min Scan# 2302

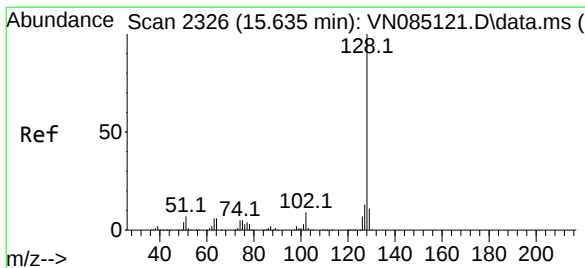
Delta R.T. -0.006 min

Lab File: VN085270.D

Acq: 19 Dec 2024 17:11

Tgt Ion:	225	Resp:	16380
Ion Ratio	Lower	Upper	
225	100		
223	60.0	0.0	121.8
227	60.3	0.0	126.8





#91

Naphthalene

Concen: 19.094 ug/l

RT: 15.641 min Scan# 2326

Delta R.T. -0.000 min

Lab File: VN085270.D

Acq: 19 Dec 2024 17:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

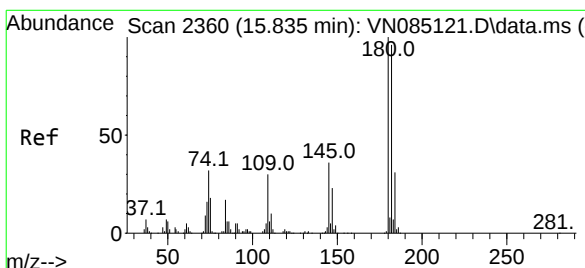
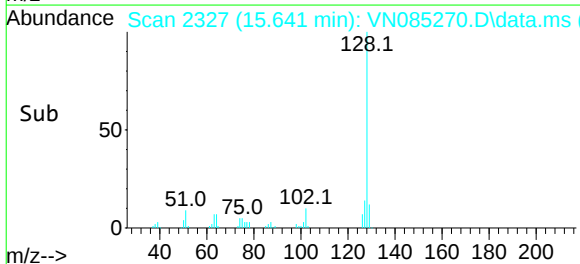
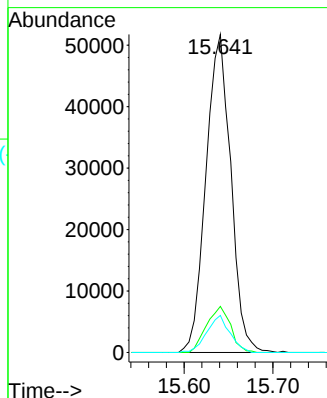
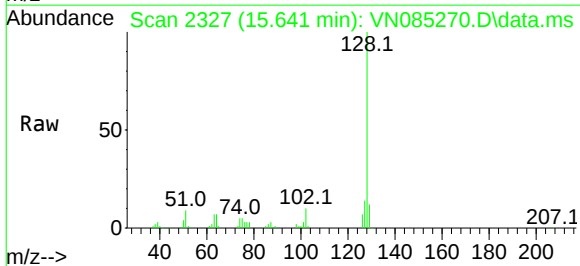
Tgt Ion:	128	Resp:	100528
Ion Ratio	Lower	Upper	
128	100		
127	14.0	11.0	16.4
129	10.9	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#92

1,2,3-Trichlorobenzene

Concen: 19.301 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VN085270.D

Acq: 19 Dec 2024 17:11

Tgt Ion:	180	Resp:	32709
Ion Ratio	Lower	Upper	
180	100		
182	96.3	0.0	185.0
145	35.8	0.0	71.6

