

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121924\
 Data File : VN085264.D
 Acq On : 19 Dec 2024 12:32
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

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

Quant Time: Dec 19 17:11:11 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	7.818	128	29761	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	146639	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	141633	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	82648	34.999	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 116.667%#			
60) 4-Bromofluorobenzene	12.847	95	71564	30.538	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.800%			
63) Toluene-d8	10.565	98	213043	32.067	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 106.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	55099	23.141	ug/l	93
3) Chloromethane	2.353	50	45745	21.706	ug/l	95
4) Vinyl Chloride	2.512	62	44162	20.487	ug/l	98
5) Bromomethane	2.965	94	25388	18.551	ug/l	90
6) Chloroethane	3.124	64	27764	20.964	ug/l	98
7) Trichlorofluoromethane	3.495	101	71158	20.167	ug/l	96
8) Diethyl Ether	3.959	74	22668	20.282	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	39790	20.165	ug/l	93
10) 1,1-Dichloroethene	4.336	96	34311	18.931	ug/l #	82
11) Methyl Iodide	4.589	142	39820	15.841	ug/l	97
12) Methyl Acetate	5.024	43	53177	24.870	ug/l	98
13) Acrolein	4.177	56	24213	77.924	ug/l	99
14) Acrylonitrile	5.712	53	96501	108.692	ug/l	93
15) Acetone	4.430	58	26177	108.801	ug/l	88
16) Carbon Disulfide	4.712	76	109465	20.206	ug/l	100
17) Allyl chloride	5.024	41	55616	21.445	ug/l	86
18) Methylene Chloride	5.277	84	42077	20.460	ug/l	89
19) trans-1,2-Dichloroethene	5.788	96	37901	20.119	ug/l	88
20) Diisopropyl ether	6.671	45	131665	23.134	ug/l	96
21) 1,1-Dichloroethane	6.571	63	78113	22.236	ug/l	98
22) cis-1,2-Dichloroethene	7.482	96	42433	19.597	ug/l	88
23) tert-Butyl Alcohol	5.518	59	30721	96.455	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	116819	20.630	ug/l	97
25) Chloroform	7.965	83	83020	22.559	ug/l	99
26) Cyclohexane	8.253	56	60949	21.072	ug/l #	84
29) 1,1-Dichloropropene	8.365	75	55645	23.516	ug/l	97
30) 2-Butanone	7.482	43	136300	125.522	ug/l #	94
31) 2,2-Dichloropropane	7.488	77	70002	23.070	ug/l #	100
32) 1,1,1-Trichloroethane	8.165	97	74891	23.383	ug/l	96
33) Carbon Tetrachloride	8.365	117	63099m	21.833	ug/l	
34) Benzene	8.600	78	172370	23.189	ug/l #	93
35) Methacrylonitrile	7.771	41	31655	25.905	ug/l	87
36) 1,2-Dichloroethane	8.665	62	64489	25.485	ug/l	97
37) Trichloroethene	9.347	130	37013	20.910	ug/l	94
38) Methylcyclohexane	9.600	83	51766	20.120	ug/l	94
39) 1,2-Dichloropropane	9.618	63	43376	24.092	ug/l #	89
40) Dibromomethane	9.706	93	30262	23.432	ug/l	96
41) Bromodichloromethane	9.888	83	64803	23.472	ug/l	92
42) Vinyl Acetate	6.600	43	485547	127.786	ug/l	95

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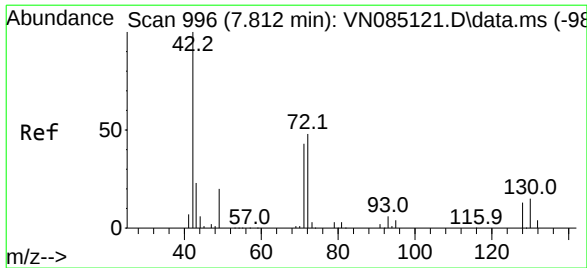
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	60328	27.923	ug/l #	91
44) Isopropyl Acetate	8.682	43	95459	25.424	ug/l	96
45) 1,4-Dioxane	9.694	88	14477	462.379	ug/l #	87
46) Methyl methacrylate	9.676	41	44288	25.774	ug/l	89
47) n-amyl Acetate	12.494	43	80123	25.363	ug/l	94
48) t-1,3-Dichloropropene	10.835	75	61110	22.548	ug/l	96
49) cis-1,3-Dichloropropene	10.312	75	66071	22.394	ug/l #	88
50) 1,1,2-Trichloroethane	11.018	97	39721	22.824	ug/l	98
51) Ethyl methacrylate	10.871	69	54914	20.746	ug/l	85
52) 1,3-Dichloropropane	11.159	76	68983	23.685	ug/l	99
53) Dibromochloromethane	11.359	129	46898	22.114	ug/l	99
54) 1,2-Dibromoethane	11.470	107	38560	21.991	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	146524	119.165	ug/l	97
56) Bromoform	12.576	173	29827	20.976	ug/l	97
58) 4-Methyl-2-Pentanone	10.441	43	297913	128.883	ug/l	94
59) 2-Hexanone	11.194	43	216854	123.815	ug/l	93
61) Tetrachloroethene	11.106	164	33618	19.600	ug/l	95
62) Toluene	10.629	91	184129	22.292	ug/l	97
64) Chlorobenzene	11.888	112	104336	20.459	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	40284	21.160	ug/l	98
66) Ethyl Benzene	11.965	91	181447	20.701	ug/l	97
67) m/p-Xylenes	12.070	106	144760	42.940	ug/l	98
68) o-Xylene	12.400	106	64980	20.524	ug/l	99
69) Styrene	12.412	104	113442	21.116	ug/l	98
70) Isopropylbenzene	12.694	105	166140	20.346	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	57491	23.131	ug/l	93
72) 1,2,3-Trichloropropane	12.994	75	54960m	22.385	ug/l	
73) Bromobenzene	12.976	156	43003	21.024	ug/l	94
74) n-propylbenzene	13.035	91	209519	21.342	ug/l	99
75) 2-Chlorotoluene	13.123	91	129892	21.399	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	149228	21.330	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	19244	21.570	ug/l	80
78) 4-Chlorotoluene	13.217	91	132041	21.432	ug/l	98
79) tert-butylbenzene	13.435	119	112233	19.531	ug/l	94
80) 1,2,4-Trimethylbenzene	13.482	105	147396	21.329	ug/l	99
81) sec-Butylbenzene	13.612	105	169513	20.764	ug/l	100
82) p-Isopropyltoluene	13.729	119	141319	20.880	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	80135	21.354	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	74733	20.434	ug/l	98
85) n-Butylbenzene	14.053	91	116112	20.452	ug/l	96
86) Hexachloroethane	14.329	117	30766	22.834	ug/l	96
87) 1,2-Dichlorobenzene	14.106	146	76472	21.589	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11809	23.783	ug/l	84
89) 1,2,4-Trichlorobenzene	15.835	180	32643	18.817	ug/l	96
90) Hexachlorobutadiene	15.500	225	17488	19.400	ug/l	95
91) Naphthalene	15.641	128	97631	18.115	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	32643	18.817	ug/l	96

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



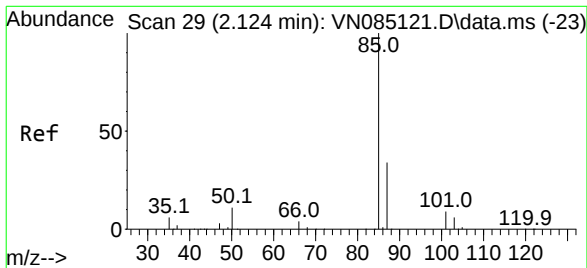
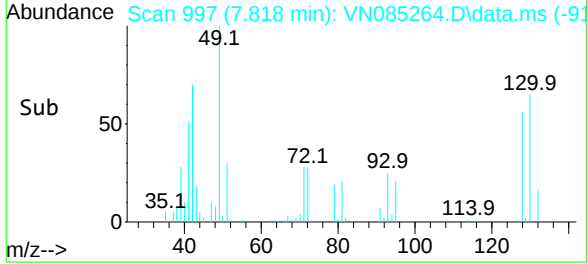
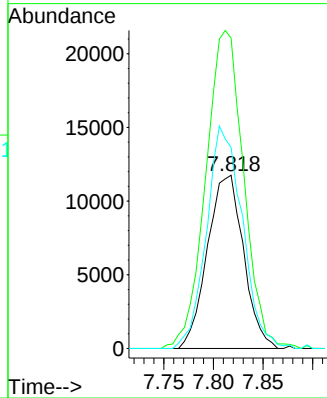
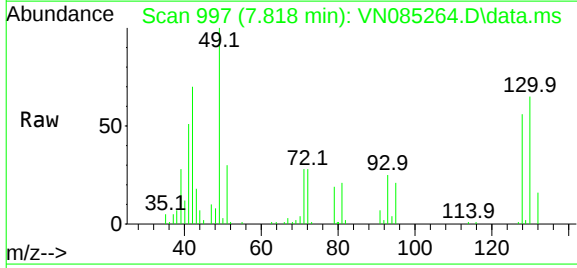
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:128 Resp: 29761
Ion Ratio Lower Upper
128 100
49 191.3 0.0 394.5
130 127.1 0.0 316.5

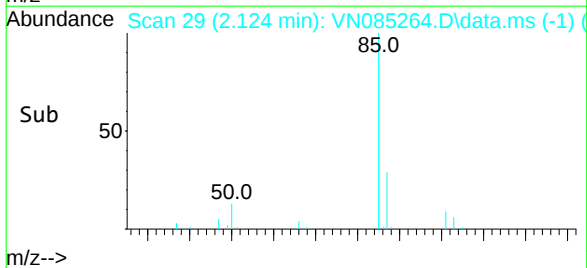
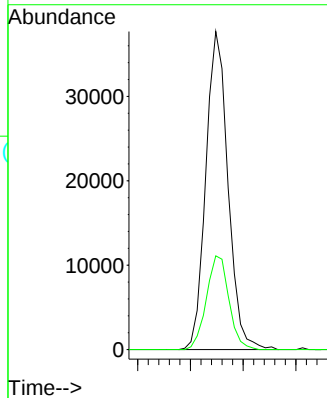
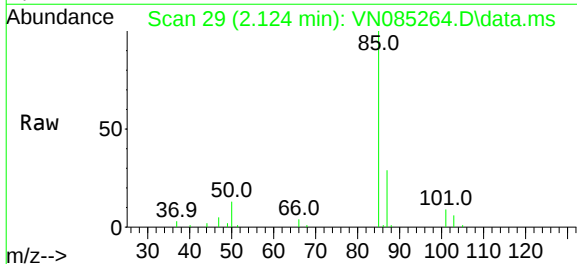
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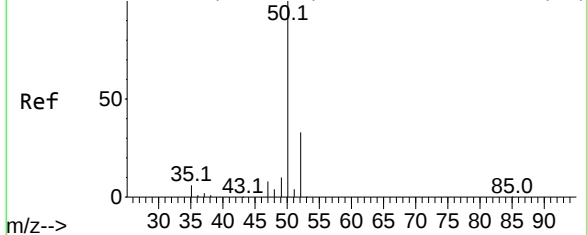


#2
Dichlorodifluoromethane
Concen: 23.141 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Tgt Ion: 85 Resp: 55099
Ion Ratio Lower Upper
85 100
87 29.5 16.8 50.3



Abundance Scan 69 (2.359 min): VN085121.D\data.ms (-63)



#3

Chloromethane

Concen: 21.706 ug/l

RT: 2.353 min Scan# 68

Delta R.T. -0.006 min

Lab File: VN085264.D

Acq: 19 Dec 2024 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 50 Resp: 45745

Ion Ratio Lower Upper

50 100

52 33.9 25.0 37.4

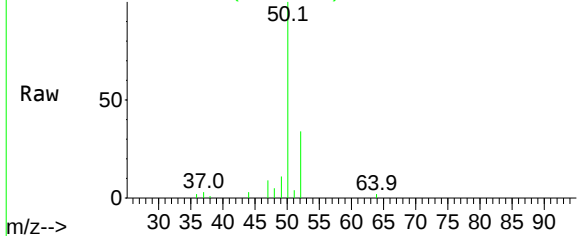
Manual Integrations

APPROVED

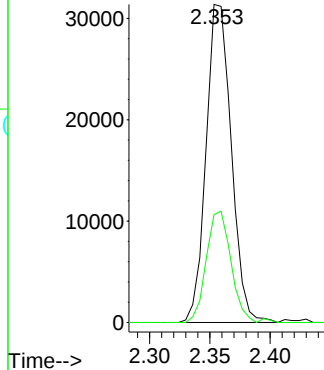
Reviewed By :John Carlone 12/20/2024

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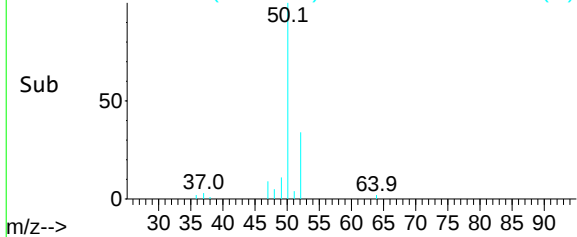
Abundance Scan 68 (2.353 min): VN085264.D\data.ms



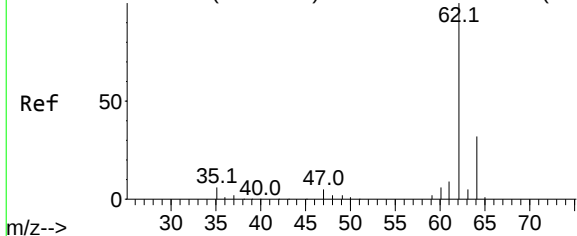
Abundance



Abundance Scan 68 (2.353 min): VN085264.D\data.ms (-1)



Abundance Scan 95 (2.512 min): VN085121.D\data.ms (-88)



#4

Vinyl Chloride

Concen: 20.487 ug/l

RT: 2.512 min Scan# 95

Delta R.T. -0.000 min

Lab File: VN085264.D

Acq: 19 Dec 2024 12:32

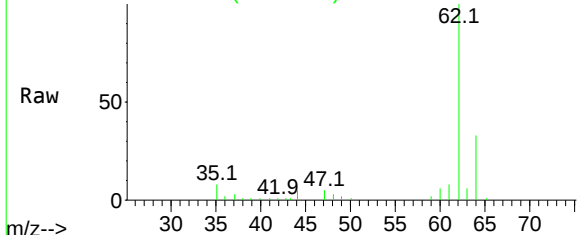
Tgt Ion: 62 Resp: 44162

Ion Ratio Lower Upper

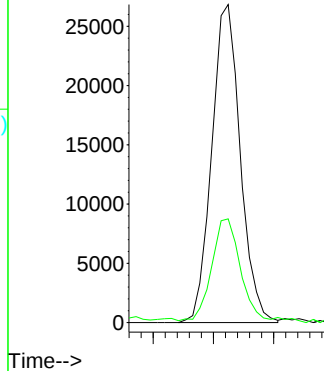
62 100

64 32.0 24.9 37.3

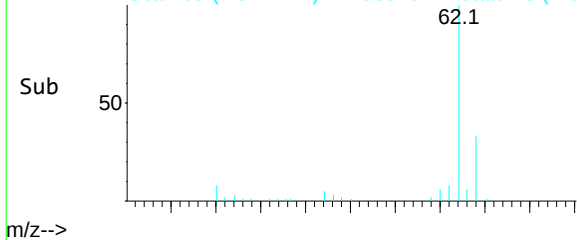
Abundance Scan 95 (2.512 min): VN085264.D\data.ms

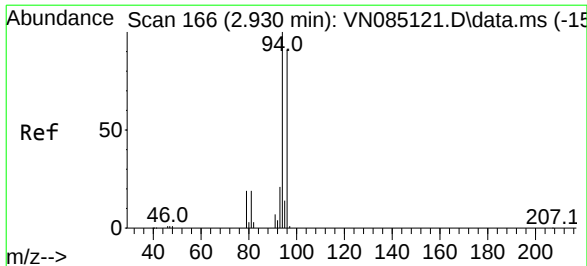


Abundance



Abundance Scan 95 (2.512 min): VN085264.D\data.ms (-10)





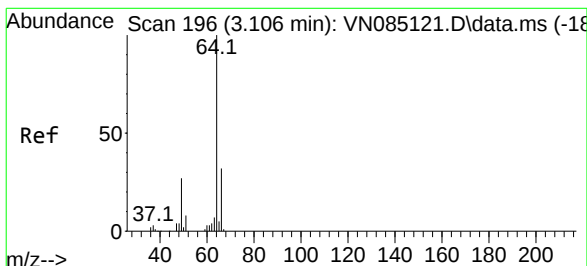
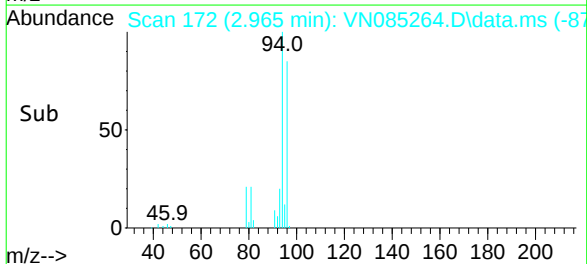
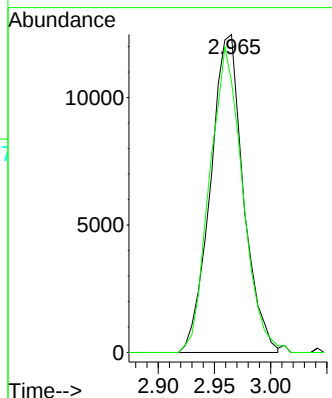
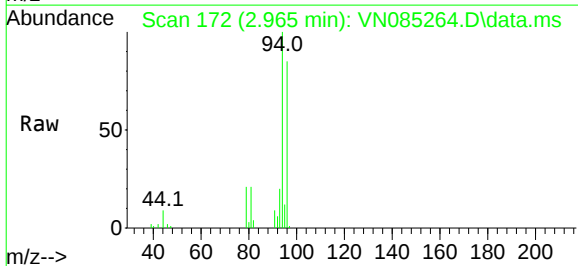
#5
Bromomethane
Concen: 18.551 ug/l
RT: 2.965 min Scan# 171
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 94 Resp: 25388
Ion Ratio Lower Upper
94 100
96 85.2 76.2 114.4

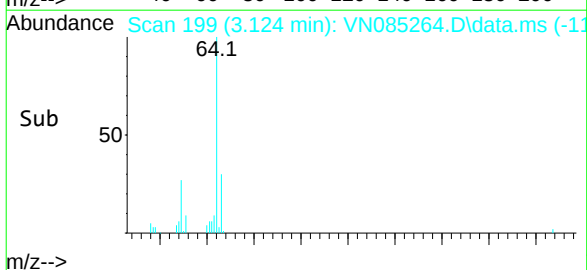
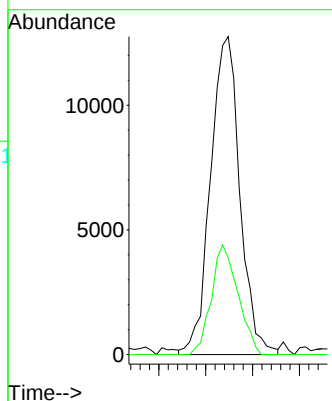
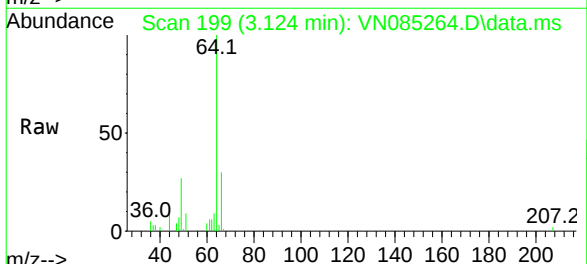
Manual Integrations
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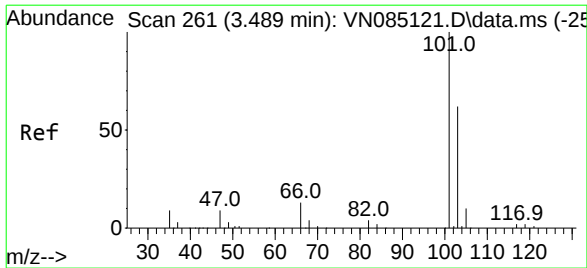
Reviewed By :John Carlone 12/20/2024
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#6
Chloroethane
Concen: 20.964 ug/l
RT: 3.124 min Scan# 199
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

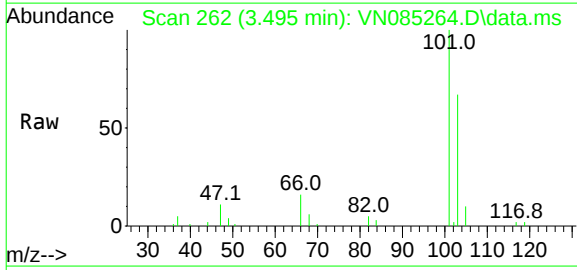
Tgt Ion: 64 Resp: 27764
Ion Ratio Lower Upper
64 100
66 30.8 25.5 38.3





#7
Trichlorofluoromethane
Concen: 20.167 ug/l
RT: 3.495 min Scan# 261
Delta R.T. -0.006 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

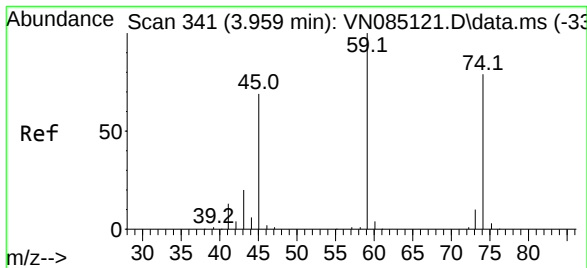
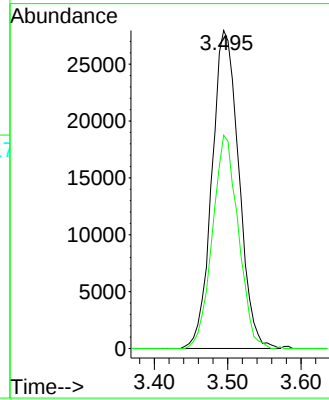
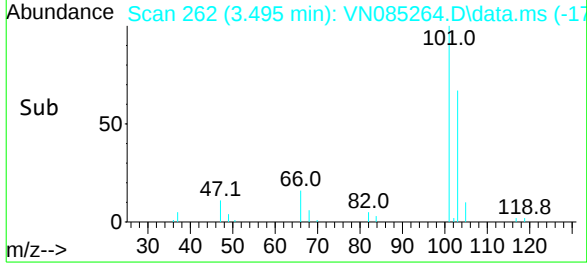
Instrument :
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VSTDCCC020



Tgt Ion:101 Resp: 71158
Ion Ratio Lower Upper
101 100
103 67.1 51.3 76.9

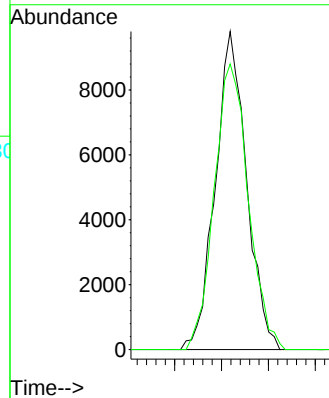
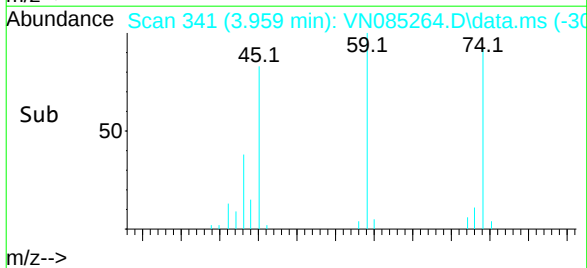
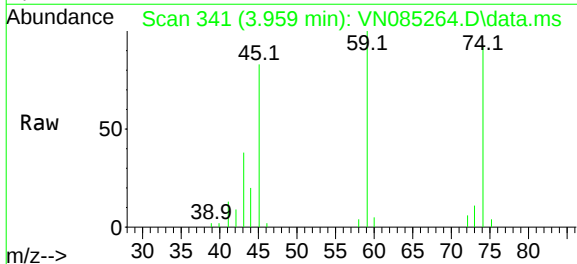
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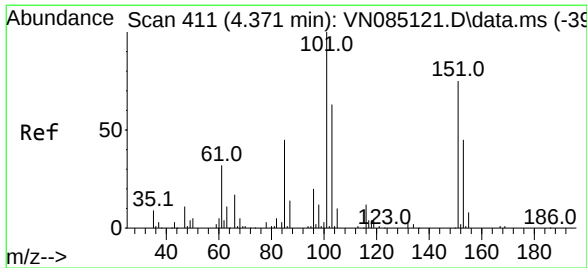
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#8
Diethyl Ether
Concen: 20.282 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

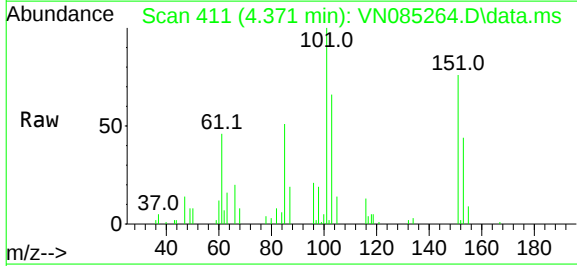
Tgt Ion: 74 Resp: 22668
Ion Ratio Lower Upper
74 100
45 98.0 18.6 167.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.165 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

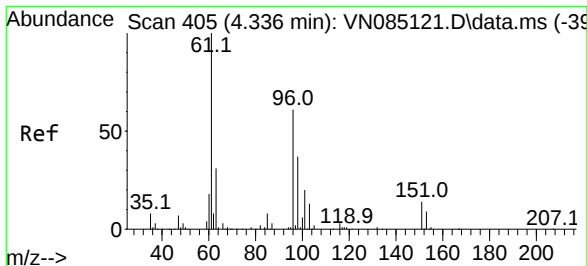
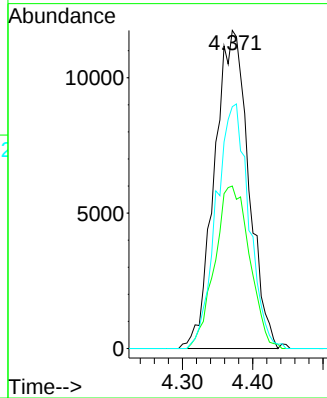
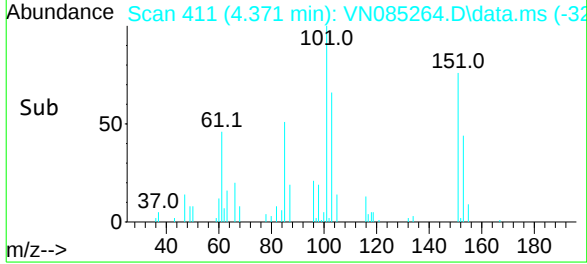
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 101 Resp: 39790
Ion Ratio Lower Upper
101 100
85 51.7 0.0 88.6
151 73.5 0.0 155.8

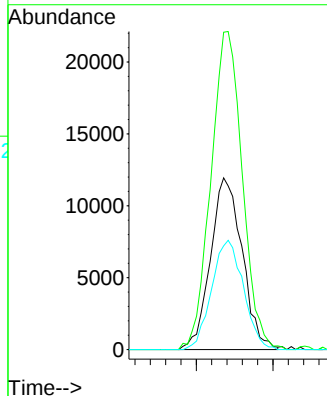
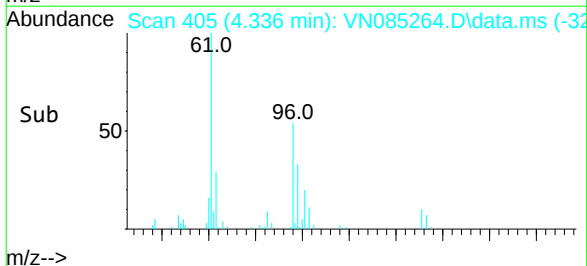
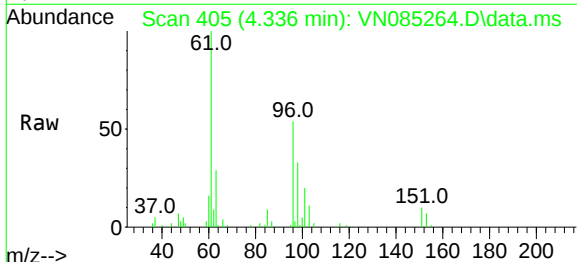
Manual Integrations
APPROVED

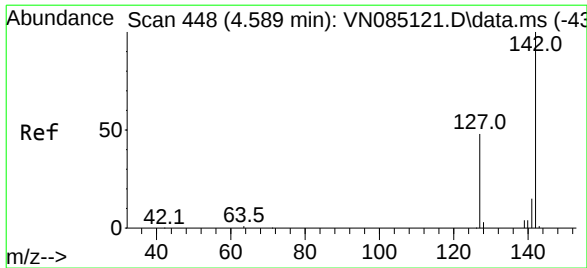
Reviewed By : John Carlone 12/20/2024
Supervised By : Mahesh Dadoda 12/20/2024



#10
1,1-Dichloroethene
Concen: 18.931 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

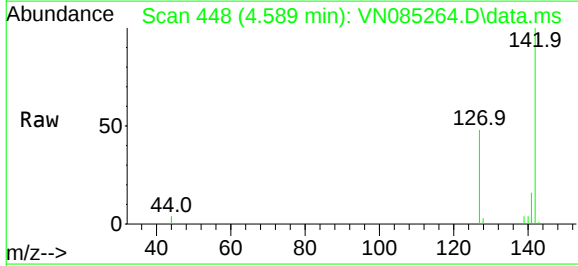
Tgt Ion: 96 Resp: 34311
Ion Ratio Lower Upper
96 100
61 184.9 123.0 184.4#
98 60.4 49.1 73.7





#11
Methyl Iodide
Concen: 15.841 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

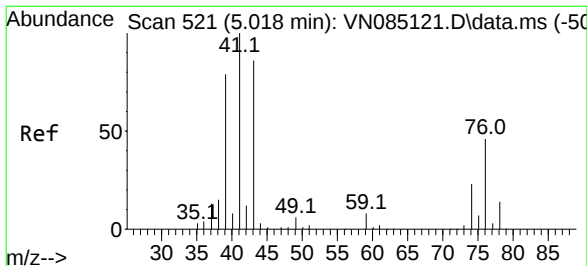
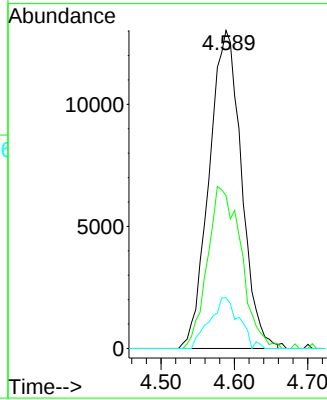
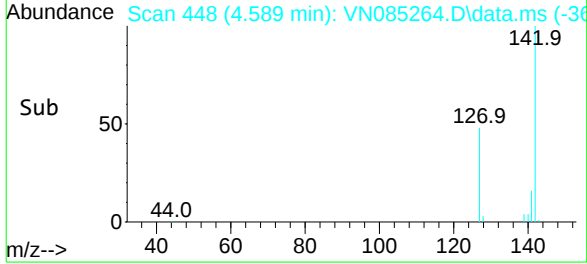
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



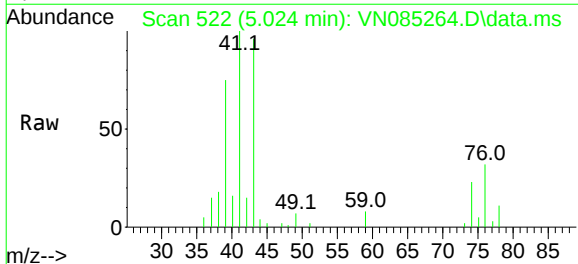
Tgt Ion: 142 Resp: 39820
Ion Ratio Lower Upper
142 100
127 47.6 22.5 67.5
141 16.1 8.3 24.9

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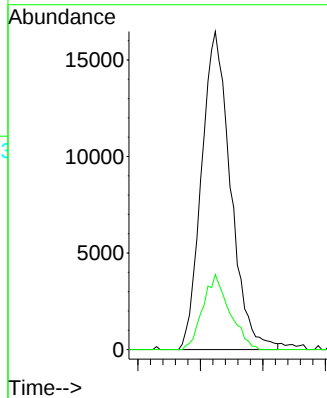
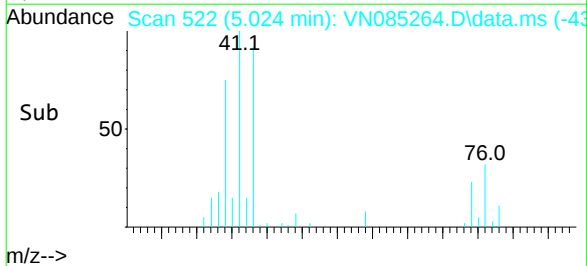
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

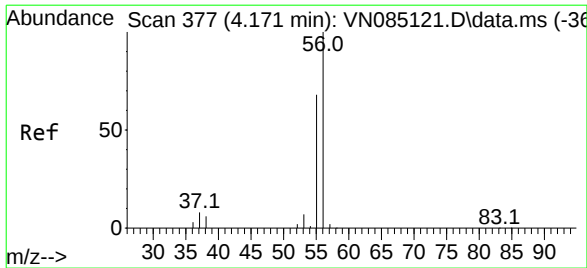


#12
Methyl Acetate
Concen: 24.870 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32



Tgt Ion: 43 Resp: 53177
Ion Ratio Lower Upper
43 100
74 23.8 19.8 29.6





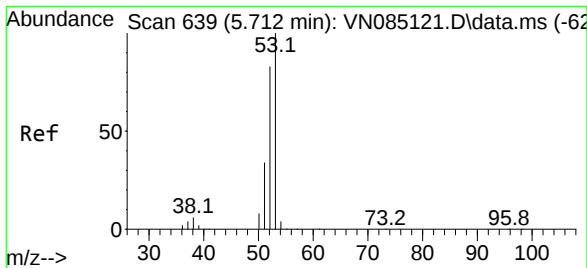
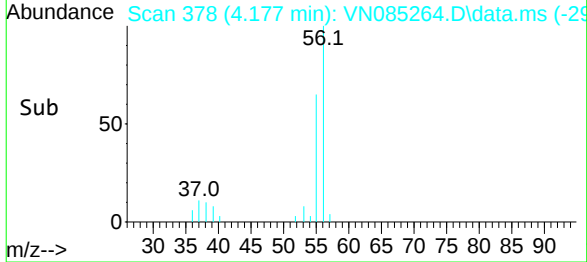
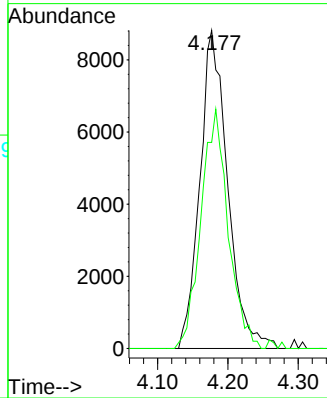
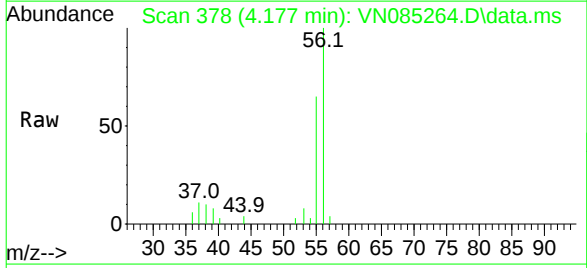
#13
Acrolein
Concen: 77.924 ug/l
RT: 4.177 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 56 Resp: 24213
Ion Ratio Lower Upper
56 100
55 73.5 59.4 89.0

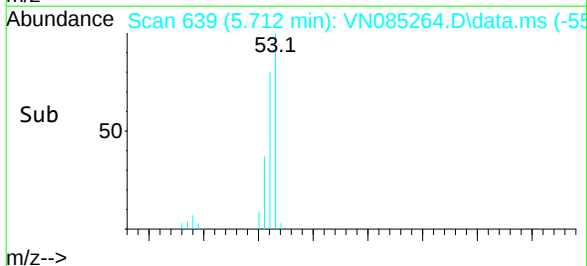
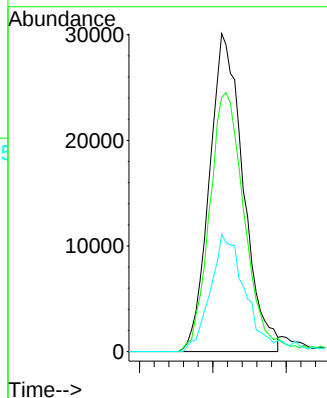
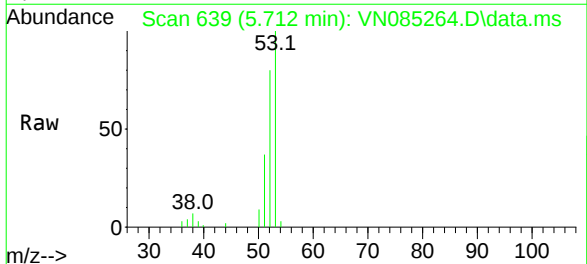
Manual Integrations
APPROVED

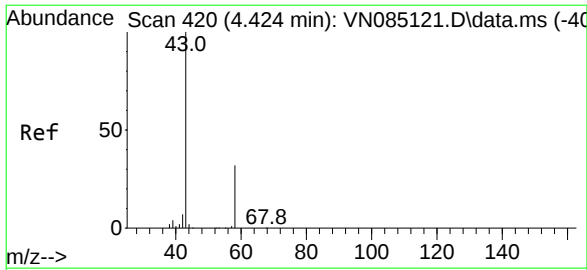
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#14
Acrylonitrile
Concen: 108.692 ug/l
RT: 5.712 min Scan# 639
Delta R.T. -0.006 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Tgt Ion: 53 Resp: 96501
Ion Ratio Lower Upper
53 100
52 83.8 42.9 128.5
51 22.3 17.2 51.5





#15

Acetone

Concen: 108.801 ug/l

RT: 4.430 min Scan# 42

Delta R.T. 0.006 min

Lab File: VN085264.D

Acq: 19 Dec 2024 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 58 Resp: 26177

Ion Ratio Lower Upper

58 100

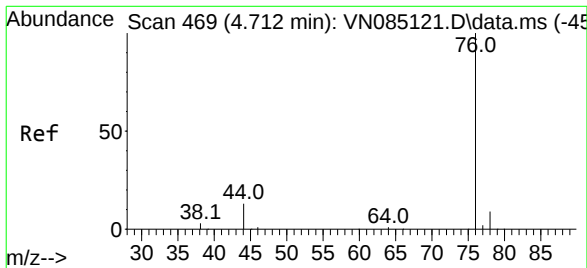
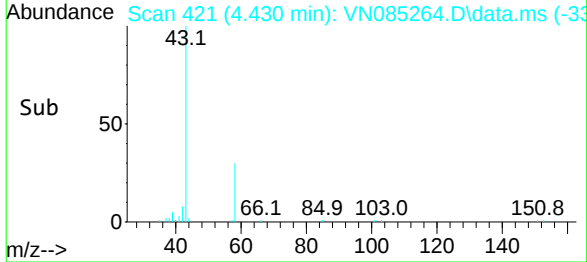
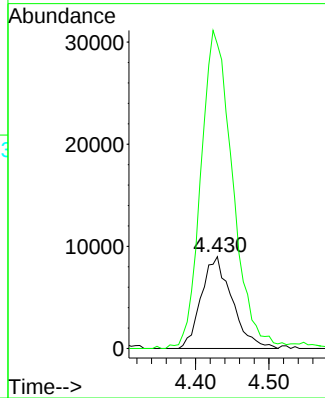
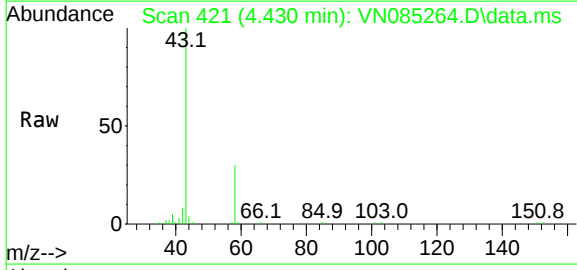
43 327.2 242.3 363.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#16

Carbon Disulfide

Concen: 20.206 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.000 min

Lab File: VN085264.D

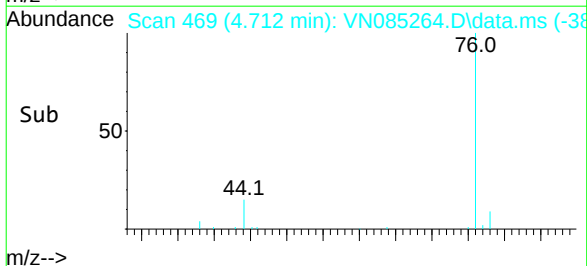
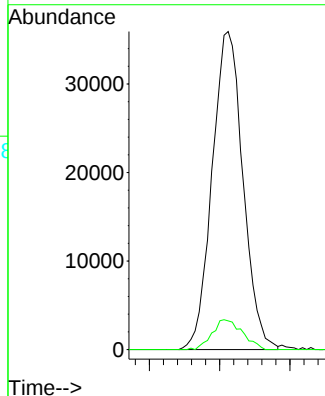
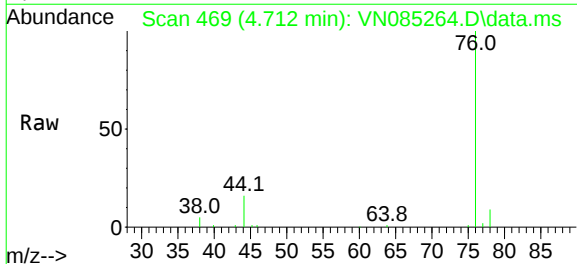
Acq: 19 Dec 2024 12:32

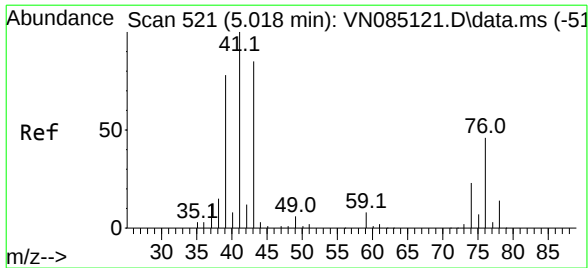
Tgt Ion: 76 Resp: 109465

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7





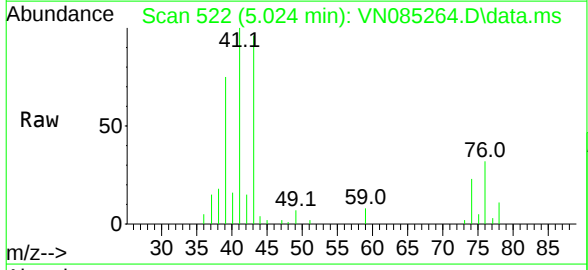
#17
 Allyl chloride
 Concen: 21.445 ug/l
 RT: 5.024 min Scan# 521
 Delta R.T. -0.000 min
 Lab File: VN085264.D
 Acq: 19 Dec 2024 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020



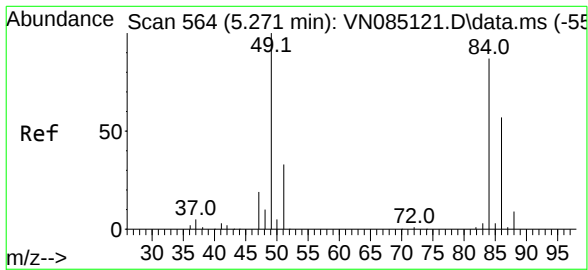
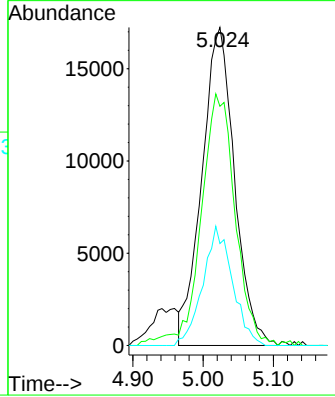
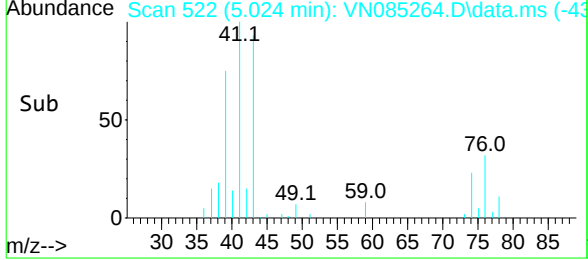
Tgt Ion:	41	Resp:	55616
Ion	Ratio	Lower	Upper
41	100		
39	75.2	32.0	96.2
76	32.1	20.2	60.5

Manual Integrations

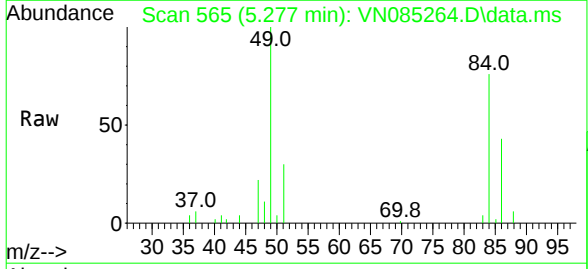
APPROVED

Reviewed By :John Carlone 12/20/2024

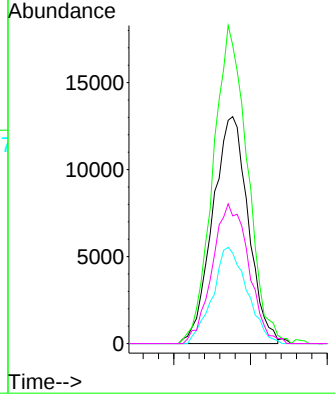
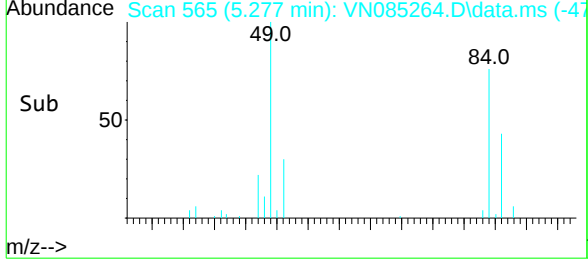
Supervised By :Mahesh Dadoda 12/20/2024

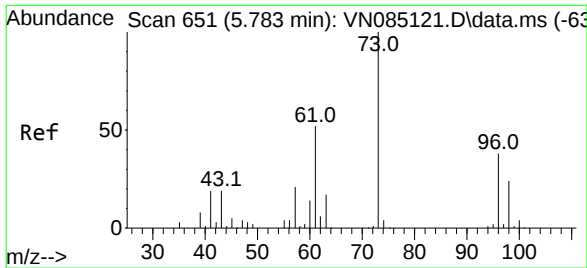


#18
 Methylene Chloride
 Concen: 20.460 ug/l
 RT: 5.277 min Scan# 565
 Delta R.T. 0.006 min
 Lab File: VN085264.D
 Acq: 19 Dec 2024 12:32



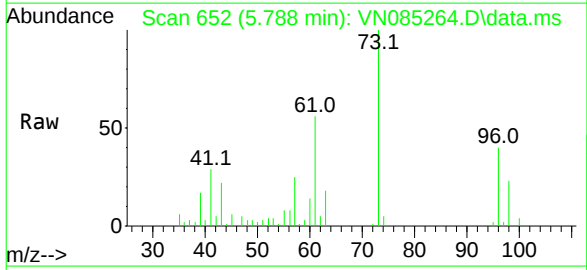
Tgt Ion:	84	Resp:	42077
Ion	Ratio	Lower	Upper
84	100		
49	131.5	95.1	142.7
51	39.9	27.4	41.0
86	56.3	50.9	76.3





#19
trans-1,2-Dichloroethene
Concen: 20.119 ug/l
RT: 5.788 min Scan# 651
Delta R.T. 0.006 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

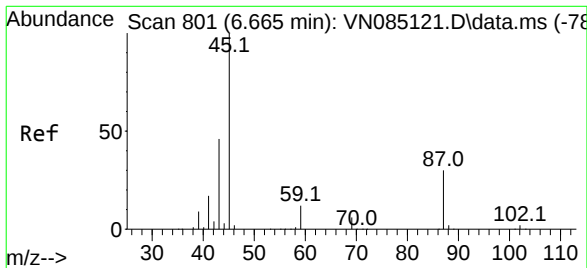
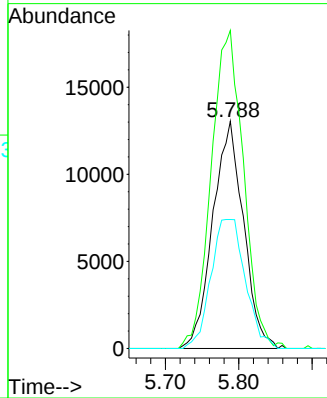
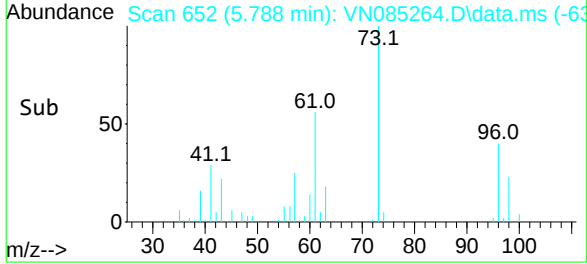
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



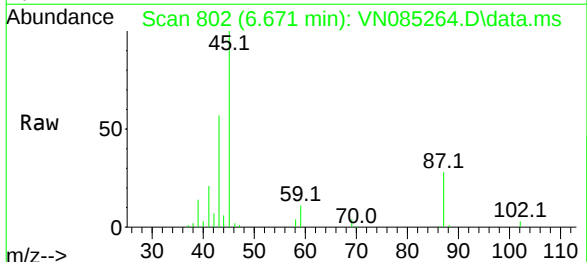
Tgt Ion: 96 Resp: 37901
Ion Ratio Lower Upper
96 100
61 139.9 100.4 150.6
98 56.8 52.6 79.0

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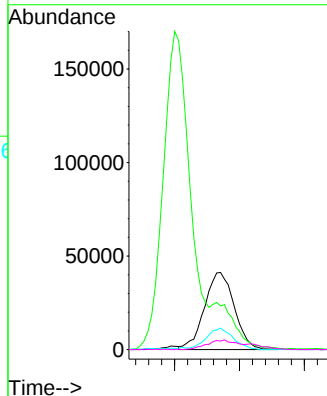
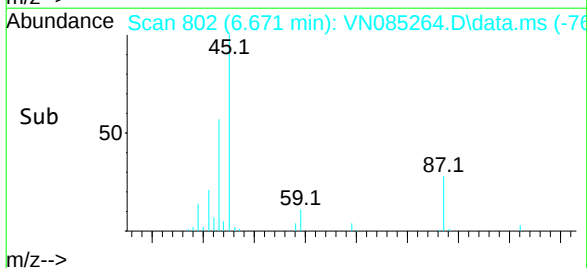
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

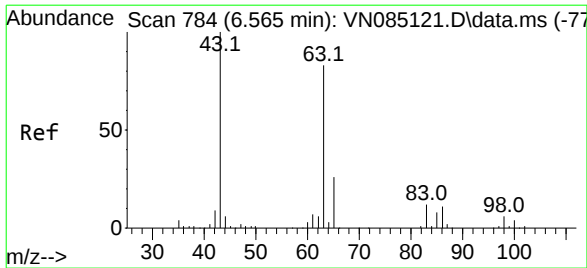


#20
Diisopropyl ether
Concen: 23.134 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32



Tgt Ion: 45 Resp: 131665
Ion Ratio Lower Upper
45 100
43 55.3 41.9 62.9
87 28.1 24.1 36.1
59 10.7 10.0 15.0





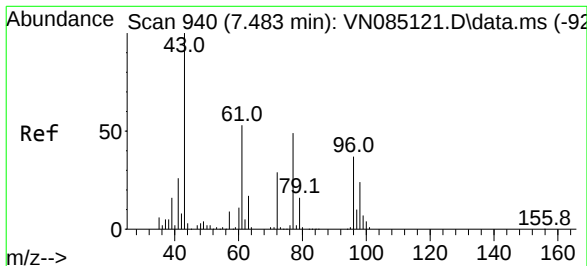
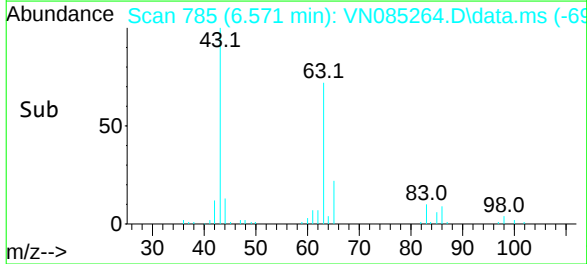
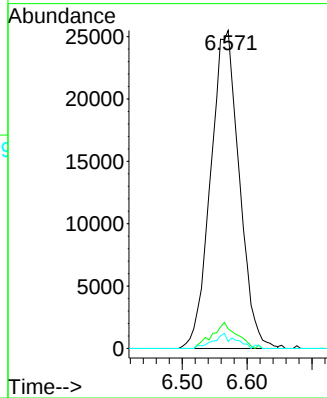
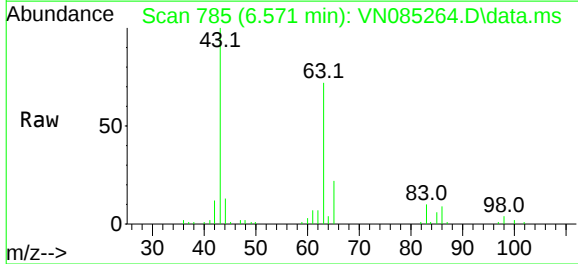
#21
1,1-Dichloroethane
Concen: 22.236 ug/l
RT: 6.571 min Scan# 784
Delta R.T. 0.006 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:	63	Resp:	78113
Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.5	10.4
100	2.2	1.6	4.8

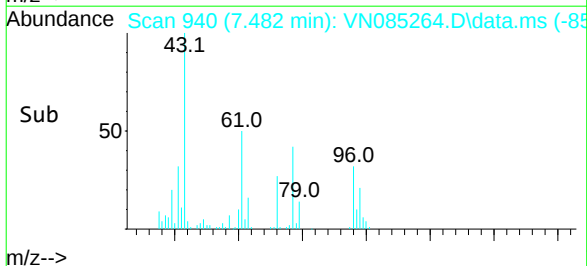
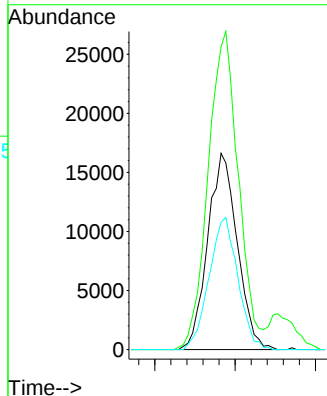
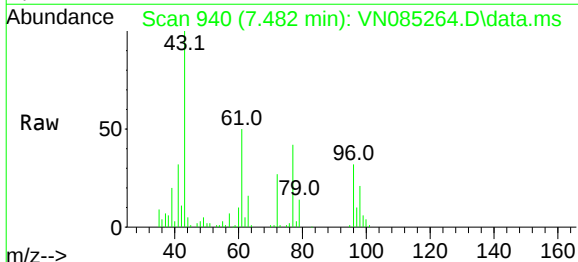
Manual Integrations
APPROVED

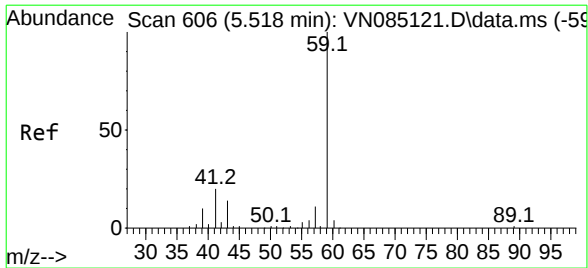
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#22
cis-1,2-Dichloroethene
Concen: 19.597 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Tgt Ion:	96	Resp:	42433
Ion	Ratio	Lower	Upper
96	100		
61	166.3	115.9	173.9
98	65.7	51.8	77.8





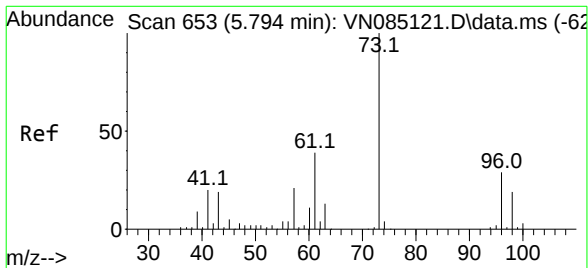
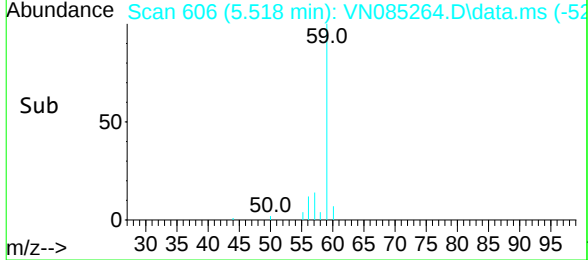
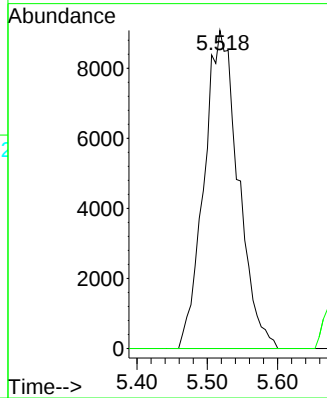
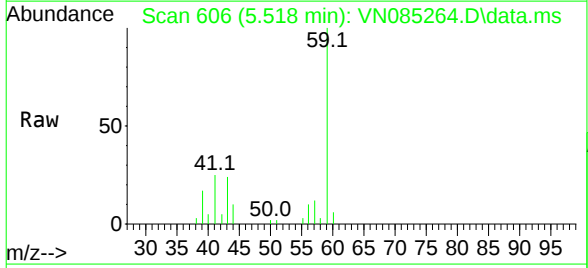
#23
tert-Butyl Alcohol
Concen: 96.455 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 59 Resp: 30721
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

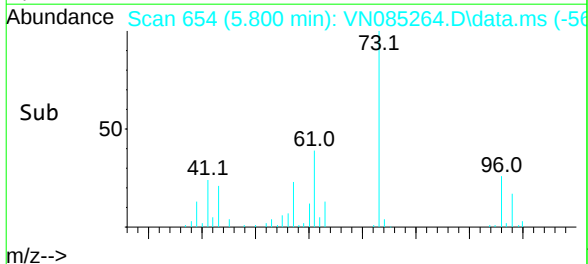
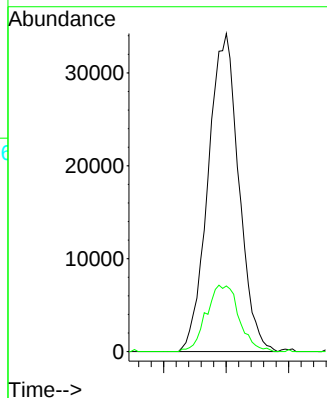
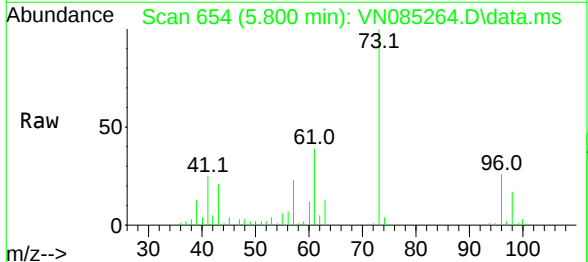
Manual Integrations
APPROVED

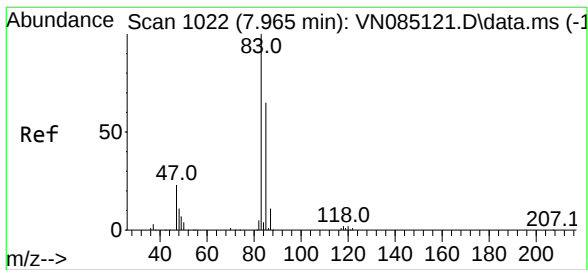
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#24
Methyl tert-Butyl Ether
Concen: 20.630 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.006 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Tgt Ion: 73 Resp: 116819
Ion Ratio Lower Upper
73 100
43 12.0 8.7 13.1





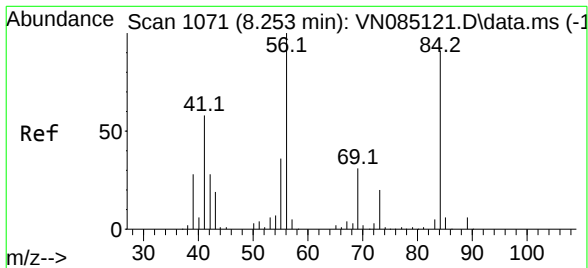
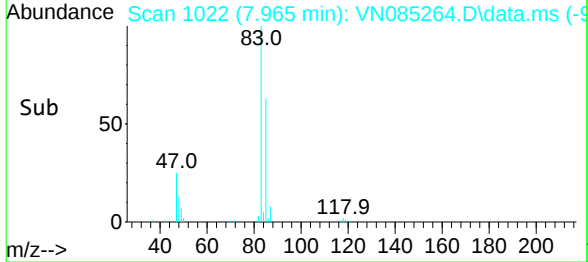
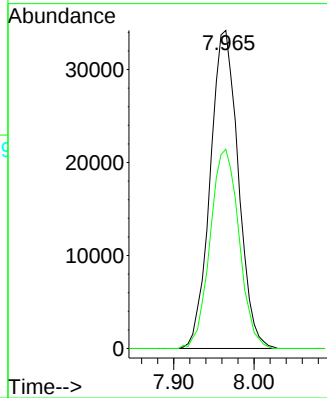
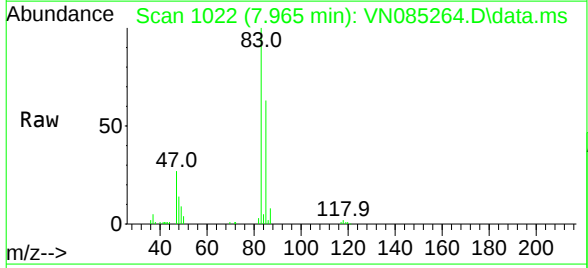
#25
Chloroform
Concen: 22.559 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 83020
Ion Ratio Lower Upper
83 100
85 62.6 49.4 74.0

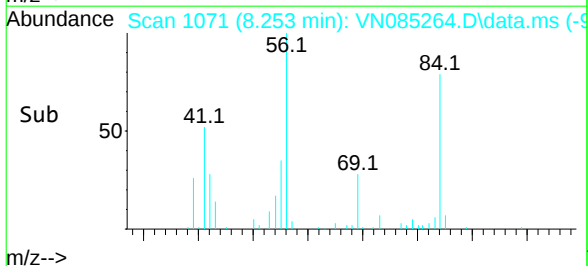
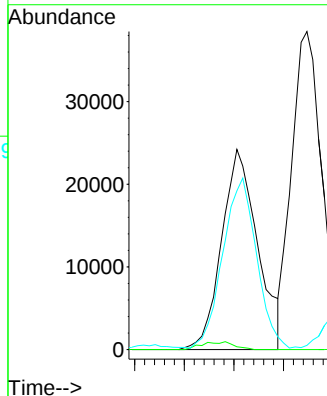
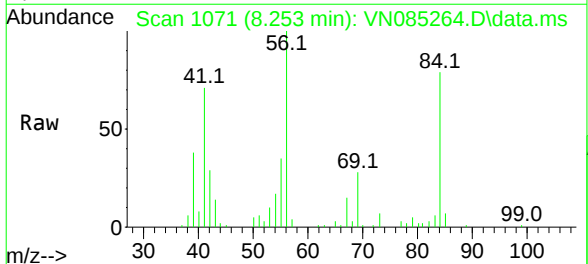
Manual Integrations
APPROVED

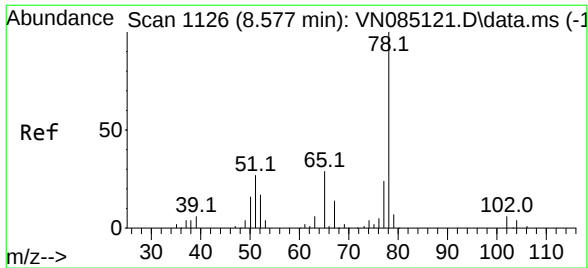
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#26
Cyclohexane
Concen: 21.072 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Tgt Ion: 56 Resp: 60949
Ion Ratio Lower Upper
56 100
89 1.4 19.5 29.3#
84 81.0 70.6 105.8





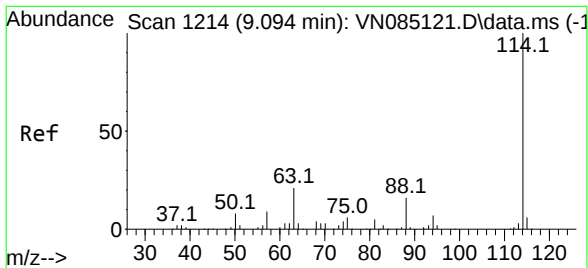
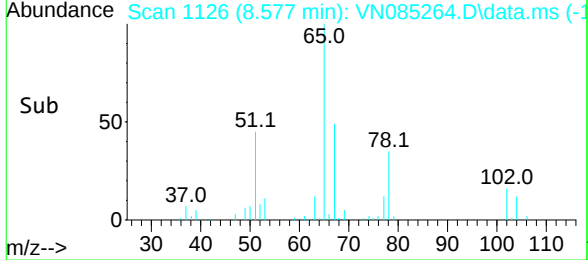
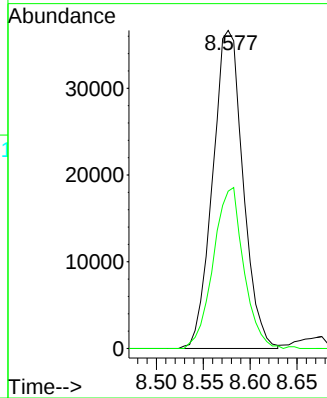
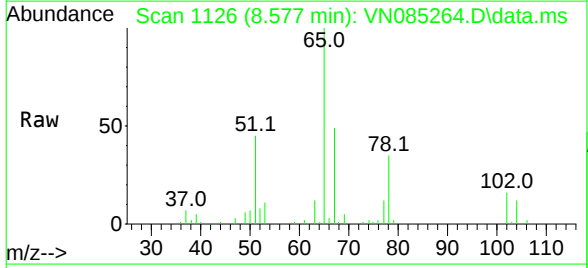
#27
1,2-Dichloroethane-d4
Concen: 34.999 ug/l
RT: 8.577 min Scan# 111
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 65 Resp: 82648
Ion Ratio Lower Upper
65 100
67 50.5 39.9 59.9

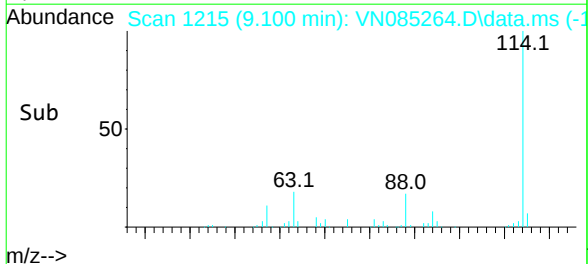
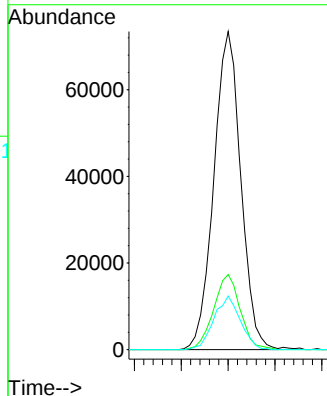
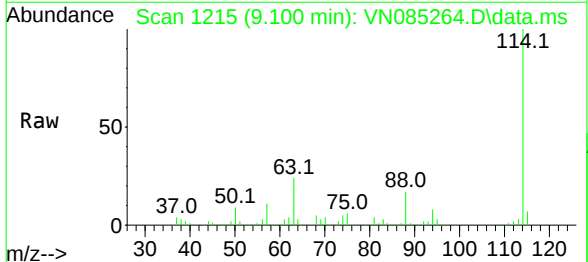
Manual Integrations
APPROVED

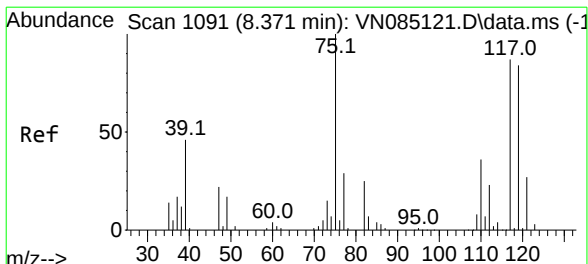
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Tgt Ion:114 Resp: 146639
Ion Ratio Lower Upper
114 100
63 23.3 16.2 24.2
88 16.5 12.5 18.7





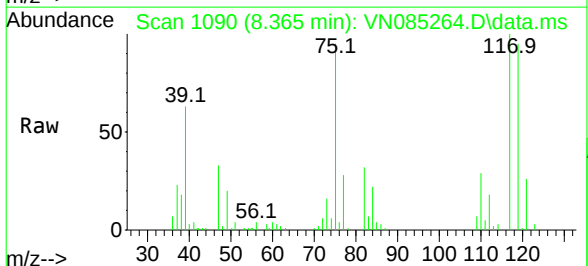
#29
 1,1-Dichloropropene
 Concen: 23.516 ug/l
 RT: 8.365 min Scan# 1091
 Delta R.T. -0.006 min
 Lab File: VN085264.D
 Acq: 19 Dec 2024 12:32

Instrument :

MSVOA_N

ClientSampleId :

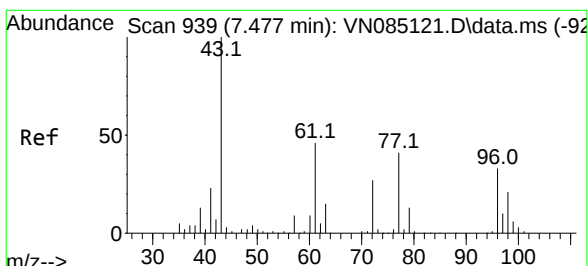
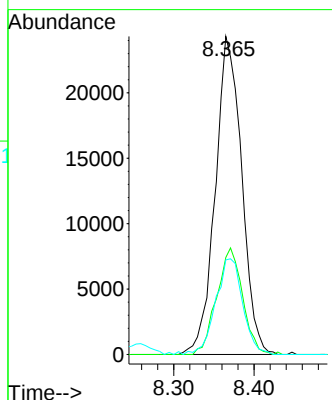
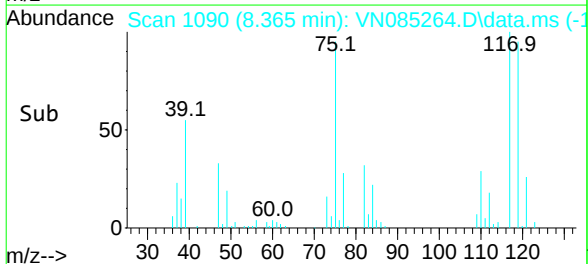
VSTDCCC020



Tgt Ion:	75	Resp:	55645
Ion	Ratio	Lower	Upper
75	100		
110	32.7	0.0	71.6
77	30.7	0.0	62.2

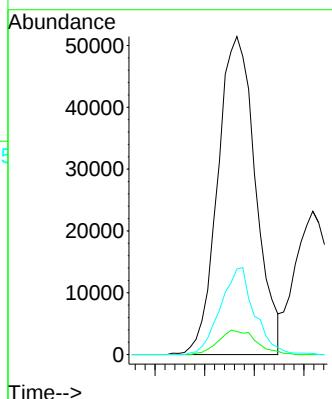
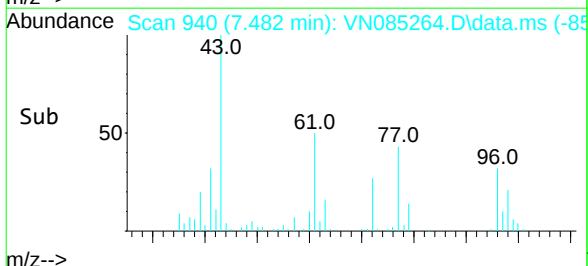
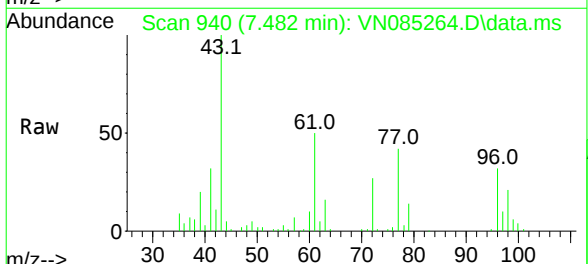
Manual Integrations
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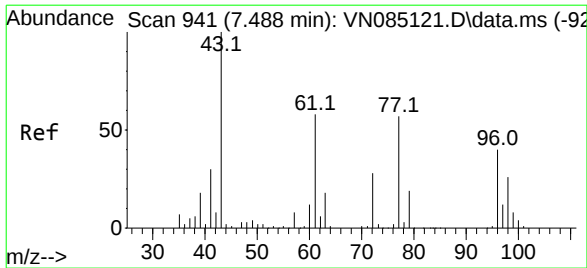
Reviewed By :John Carlone 12/20/2024
 Supervised By :Mahesh Dadoda 12/20/2024



#30
 2-Butanone
 Concen: 125.522 ug/l
 RT: 7.482 min Scan# 940
 Delta R.T. -0.000 min
 Lab File: VN085264.D
 Acq: 19 Dec 2024 12:32

Tgt Ion:	43	Resp:	136300
Ion	Ratio	Lower	Upper
43	100		
57	5.1	6.9	10.3#
72	24.5	21.8	32.8





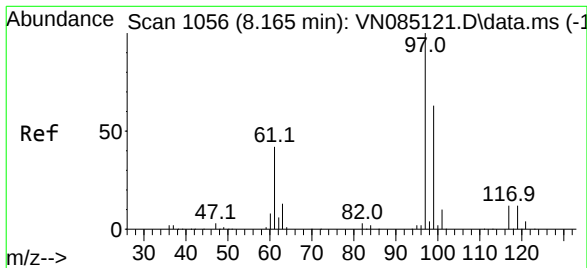
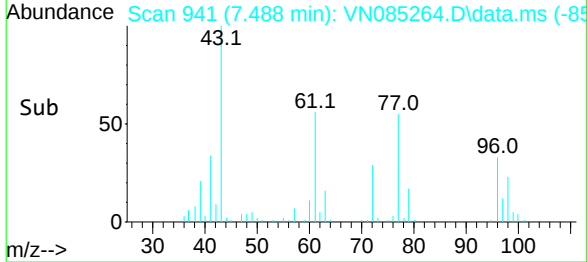
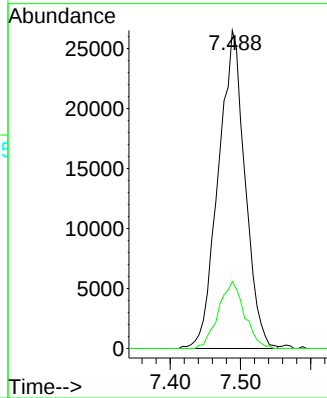
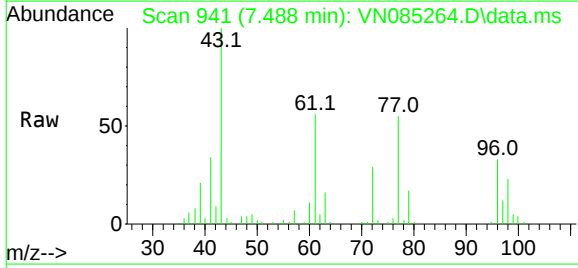
#31
2,2-Dichloropropane
Concen: 23.070 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 77 Resp: 70002
Ion Ratio Lower Upper
77 100
97 20.5 0.0 0.0#

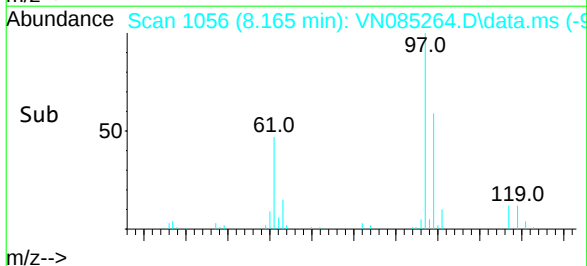
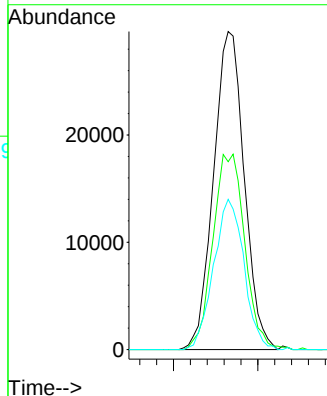
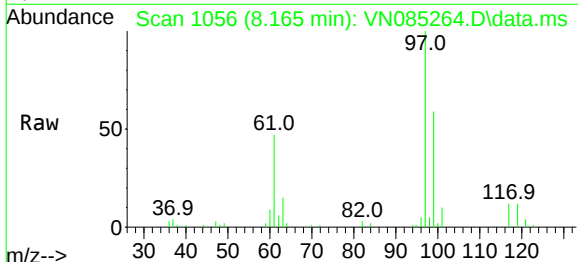
Manual Integrations
APPROVED

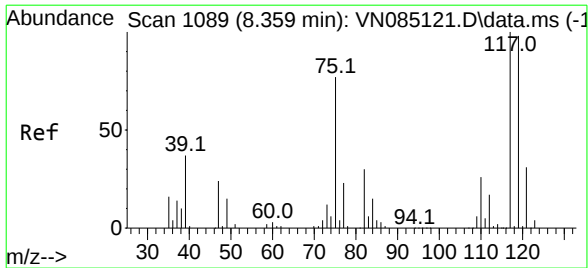
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#32
1,1,1-Trichloroethane
Concen: 23.383 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

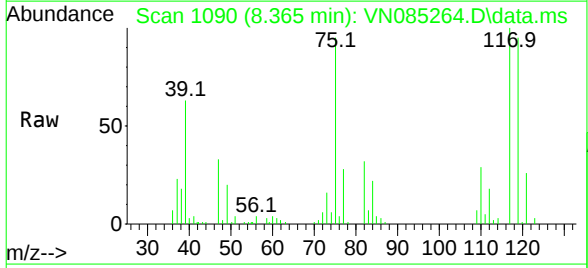
Tgt Ion: 97 Resp: 74891
Ion Ratio Lower Upper
97 100
99 64.0 50.8 76.2
61 46.8 32.7 49.1





#33
Carbon Tetrachloride
Concen: 21.833 ug/l m
RT: 8.365 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

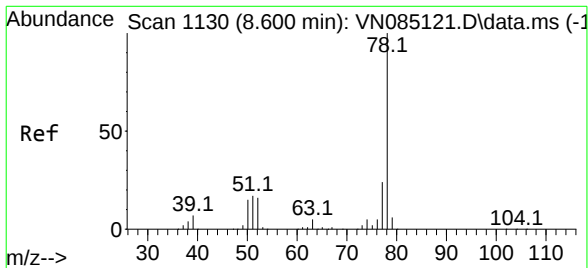
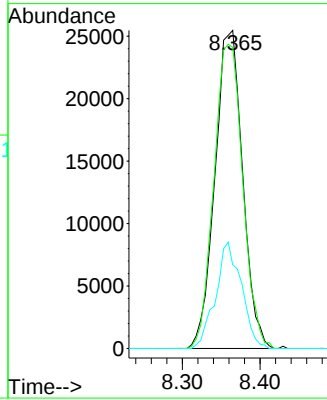
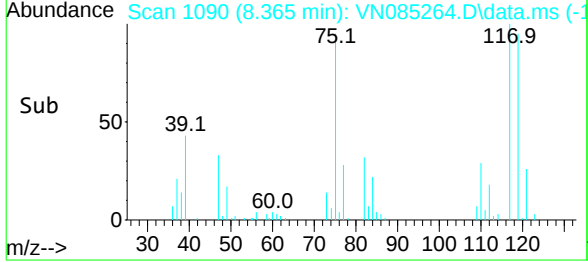
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



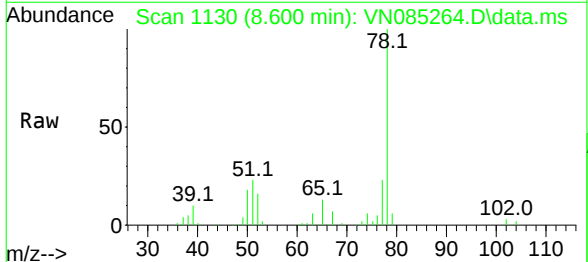
Tgt Ion:117 Resp: 63099
Ion Ratio Lower Upper
117 100
119 94.7 81.6 122.4
121 26.3 26.5 39.7#

Manual Integrations
APPROVED

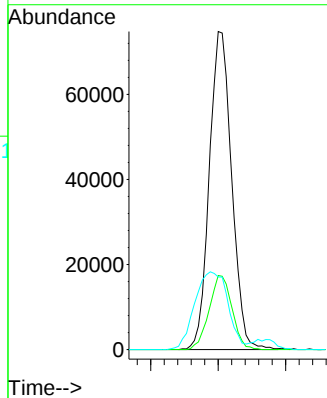
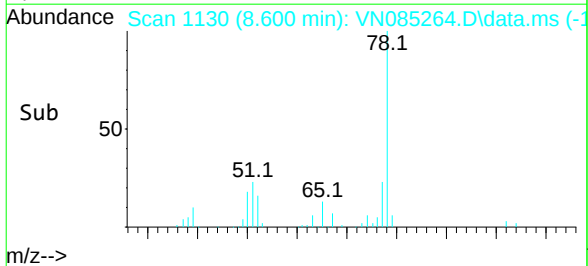
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

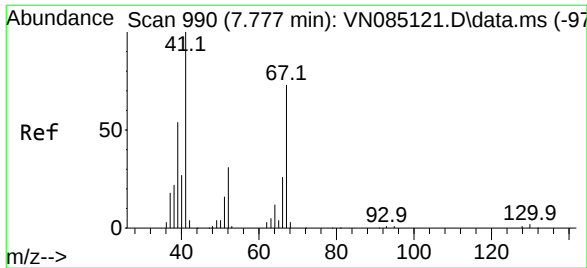


#34
Benzene
Concen: 23.189 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32



Tgt Ion: 78 Resp: 172370
Ion Ratio Lower Upper
78 100
77 23.3 18.0 27.0
51 21.8 12.4 18.6#





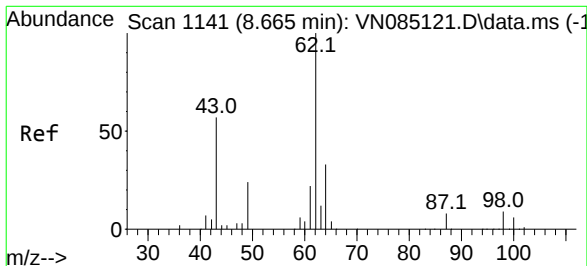
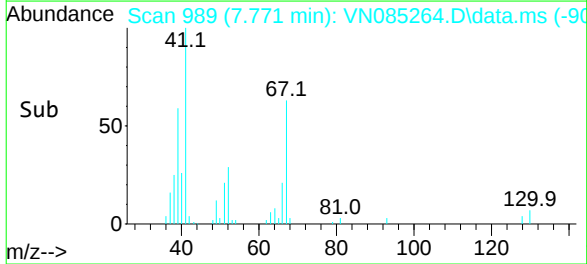
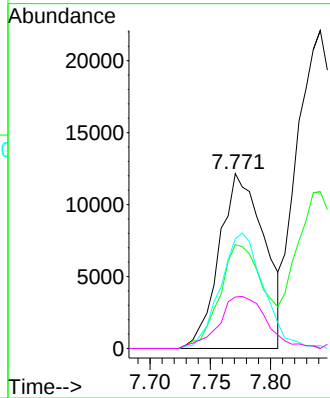
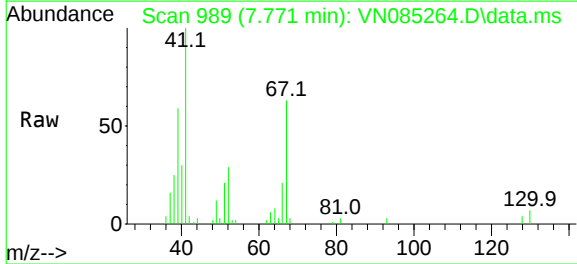
#35
Methacrylonitrile
Concen: 25.905 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.006 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:	41	Resp:	31655
Ion	Ratio	Lower	Upper
41	100		
39	59.4	24.4	73.2
67	62.7	37.0	110.9
52	29.4	12.4	37.2

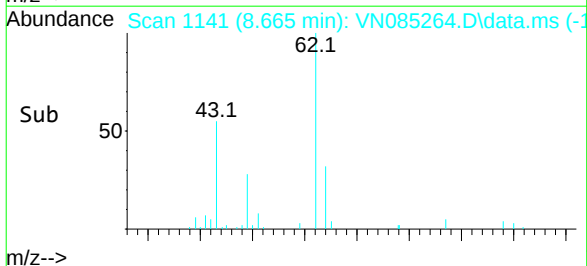
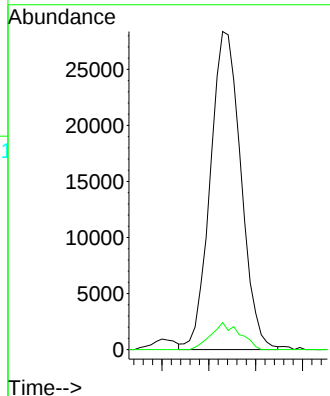
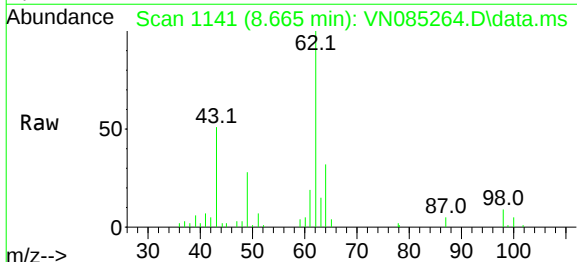
Manual Integrations
APPROVED

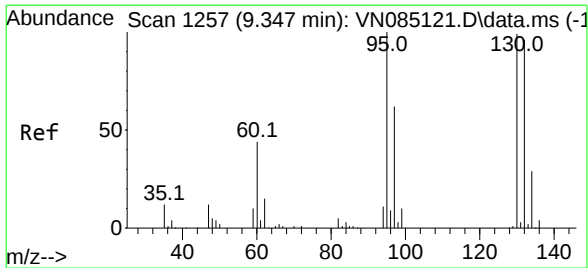
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#36
1,2-Dichloroethane
Concen: 25.485 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

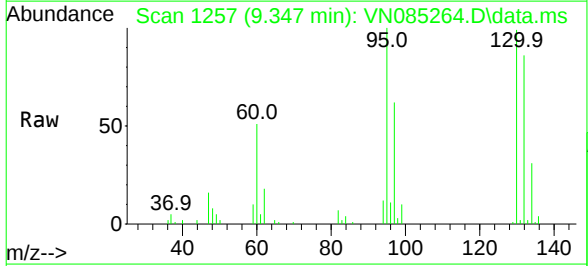
Tgt Ion:	62	Resp:	64489
Ion	Ratio	Lower	Upper
62	100		
98	8.0	7.3	10.9





#37
Trichloroethene
Concen: 20.910 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.006 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

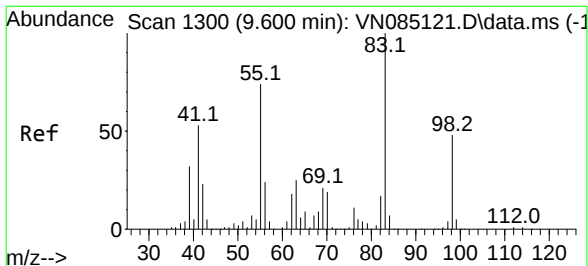
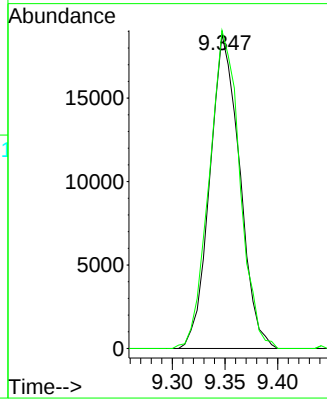
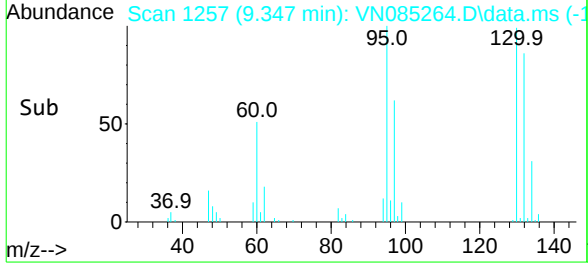
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:130 Resp: 37013
Ion Ratio Lower Upper
130 100
95 101.2 76.2 114.4

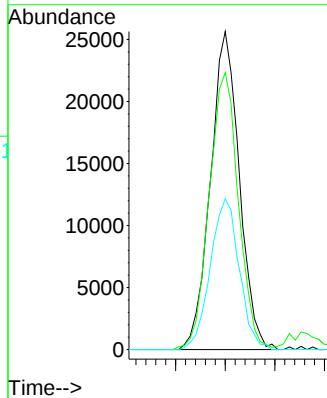
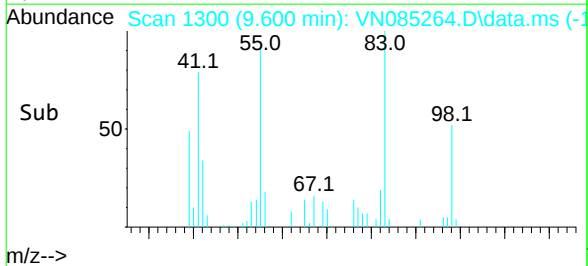
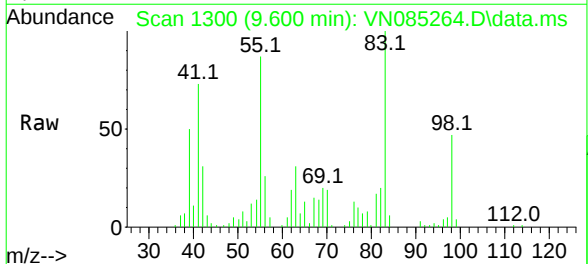
Manual Integrations
APPROVED

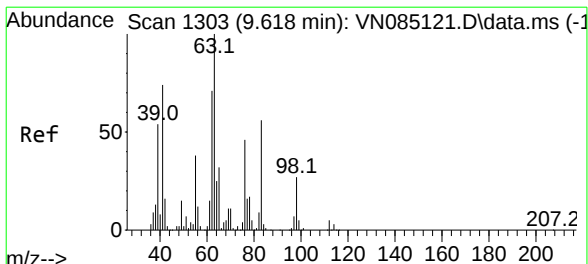
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#38
Methylcyclohexane
Concen: 20.120 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

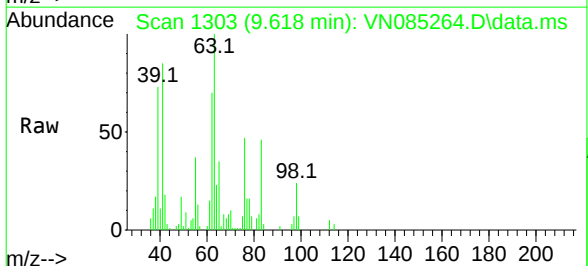
Tgt Ion: 83 Resp: 51766
Ion Ratio Lower Upper
83 100
55 88.1 41.4 124.4
98 47.5 25.7 77.1





#39
 1,2-Dichloropropane
 Concen: 24.092 ug/l
 RT: 9.618 min Scan# 1303
 Delta R.T. -0.000 min
 Lab File: VN085264.D
 Acq: 19 Dec 2024 12:32

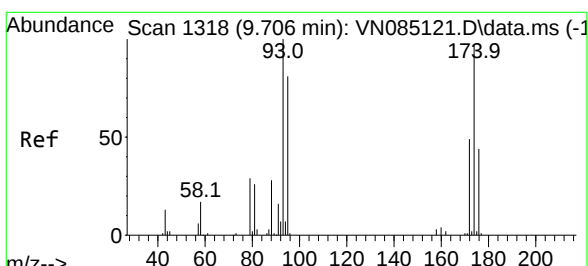
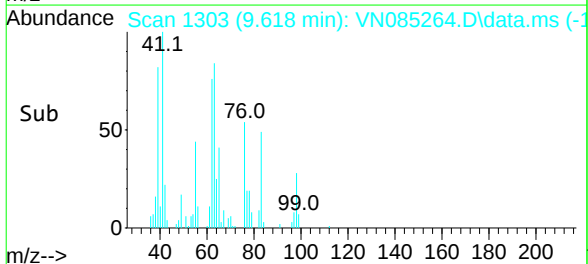
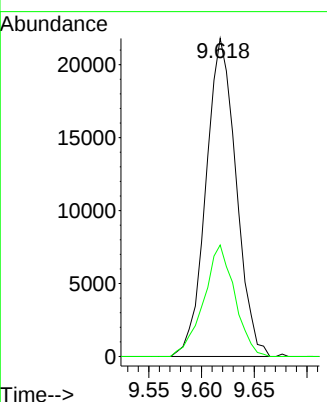
Instrument : MSVOA_N
 ClientSampleId : VSTDCCC020



Tgt Ion: 63 Resp: 43376

Ion	Ratio	Lower	Upper
63	100		
65	35.1	23.4	35.0

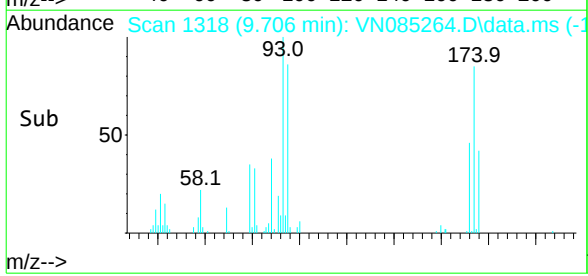
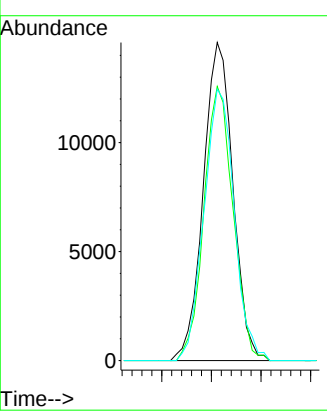
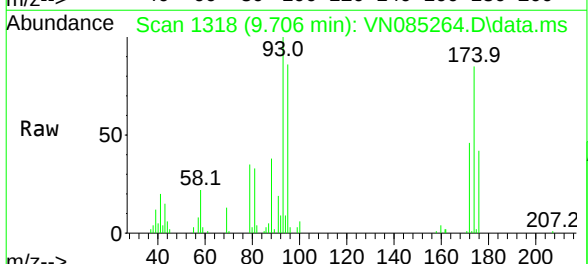
Manual Integrations
APPROVED
 Reviewed By :John Carlone 12/20/2024
 Supervised By :Mahesh Dadoda 12/20/2024

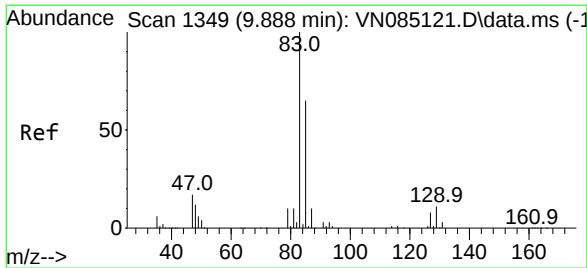


#40
 Dibromomethane
 Concen: 23.432 ug/l
 RT: 9.706 min Scan# 1318
 Delta R.T. -0.000 min
 Lab File: VN085264.D
 Acq: 19 Dec 2024 12:32

Tgt Ion: 93 Resp: 30262

Ion	Ratio	Lower	Upper
93	100		
95	84.8	0.0	169.4
174	87.1	0.0	189.8





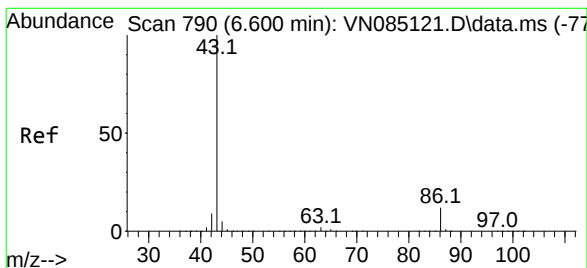
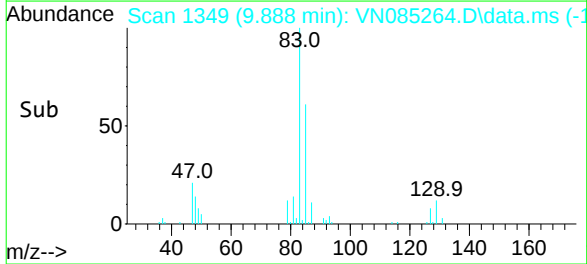
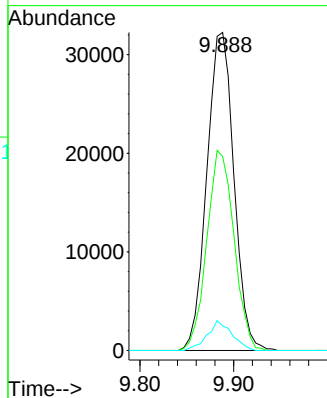
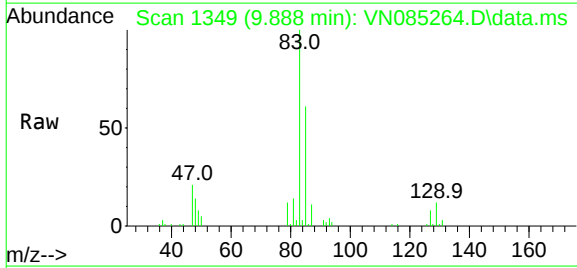
#41
Bromodichloromethane
Concen: 23.472 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.006 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 64803
Ion Ratio Lower Upper
83 100
85 61.0 54.6 81.8
127 7.7 7.0 10.6

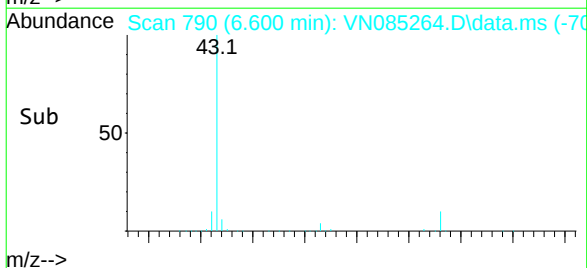
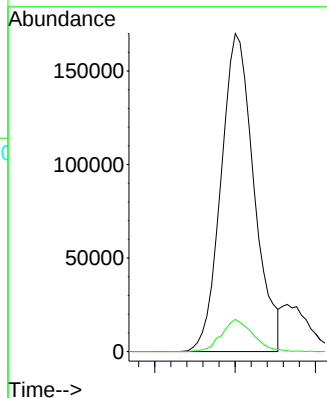
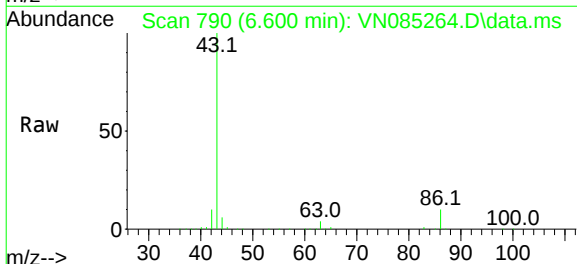
Manual Integrations
APPROVED

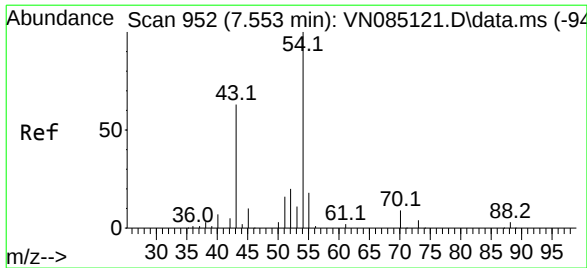
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#42
Vinyl Acetate
Concen: 127.786 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Tgt Ion: 43 Resp: 485547
Ion Ratio Lower Upper
43 100
86 9.6 9.2 13.8





#43

Ethyl Acetate

Concen: 27.923 ug/l

RT: 7.559 min Scan# 95

Delta R.T. -0.000 min

Lab File: VN085264.D

Acq: 19 Dec 2024 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 43 Resp: 60328

Ion Ratio Lower Upper

43 100

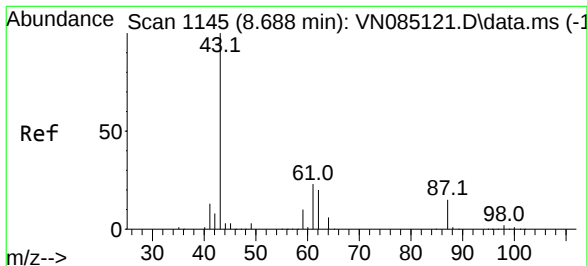
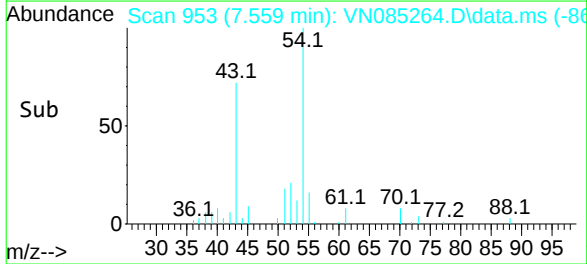
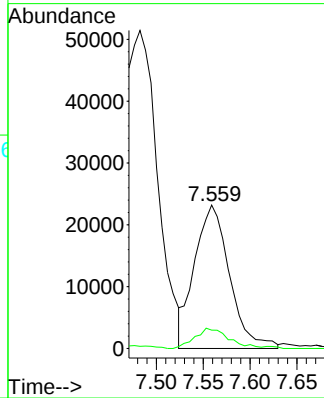
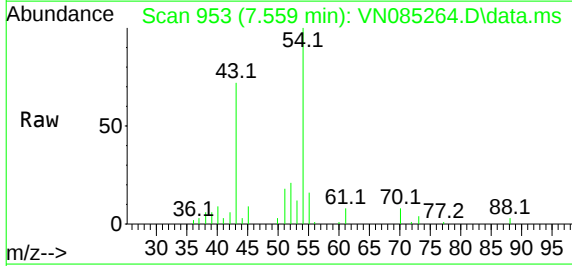
45 12.9 13.3 19.9#

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#44

Isopropyl Acetate

Concen: 25.424 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.006 min

Lab File: VN085264.D

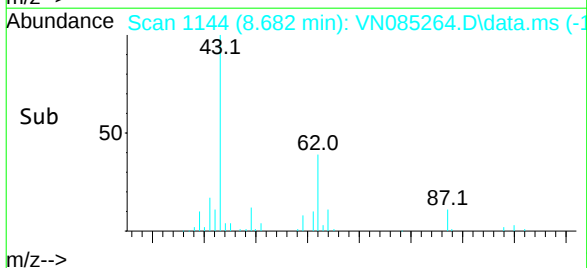
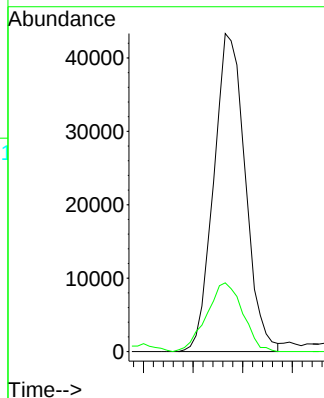
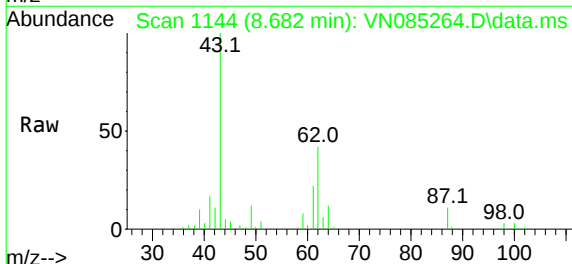
Acq: 19 Dec 2024 12:32

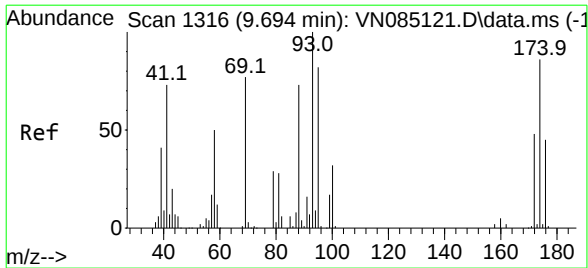
Tgt Ion: 43 Resp: 95459

Ion Ratio Lower Upper

43 100

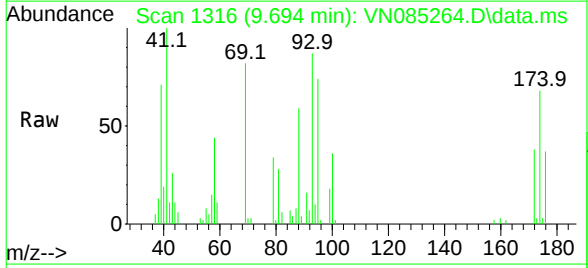
61 24.8 21.5 32.3





#45
1,4-Dioxane
Concen: 462.379 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

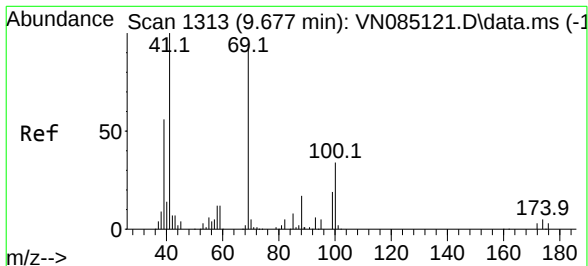
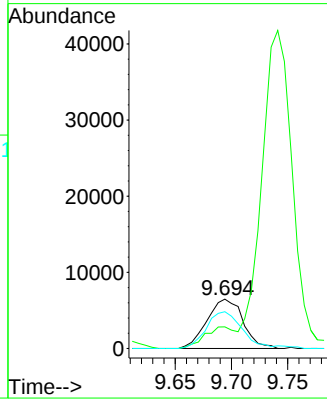
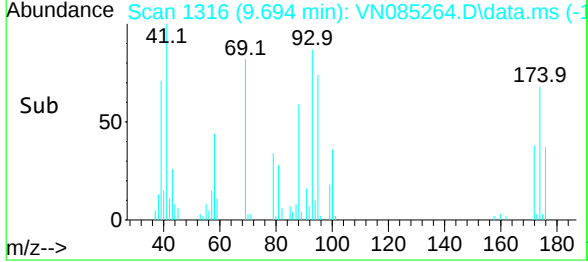
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 88 Resp: 14477
Ion Ratio Lower Upper
88 100
43 38.7 21.7 32.5#
58 73.0 52.6 79.0

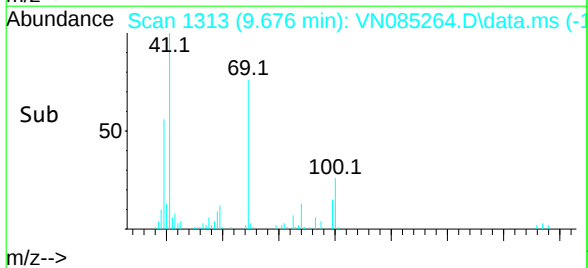
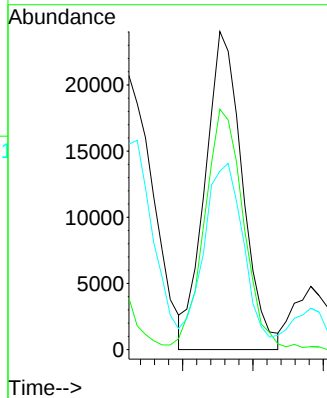
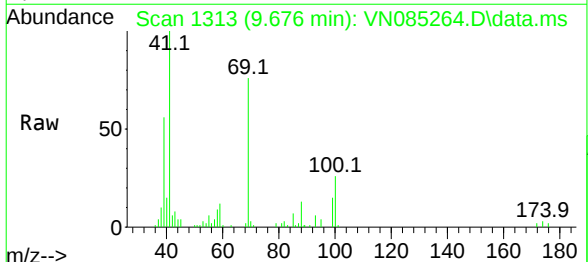
Manual Integrations
APPROVED

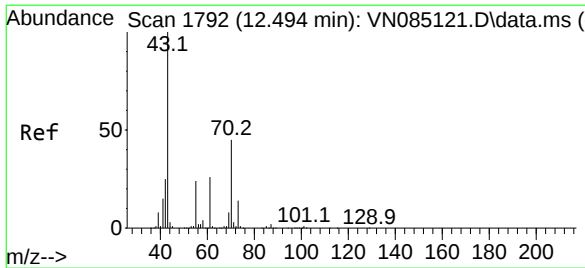
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#46
Methyl methacrylate
Concen: 25.774 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Tgt Ion: 41 Resp: 44288
Ion Ratio Lower Upper
41 100
69 77.7 46.7 140.0
39 54.4 28.5 85.5





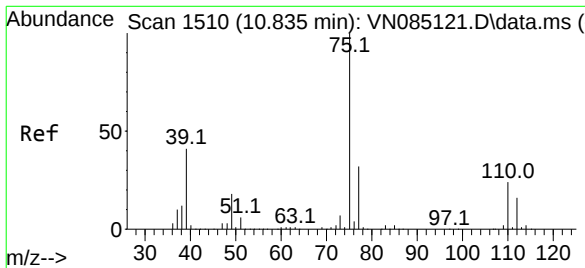
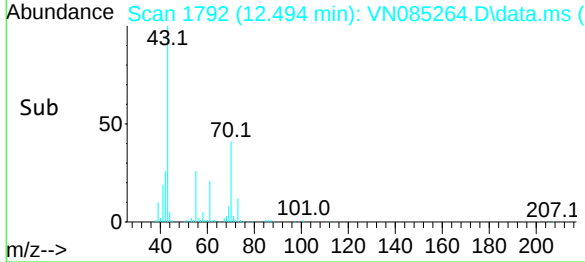
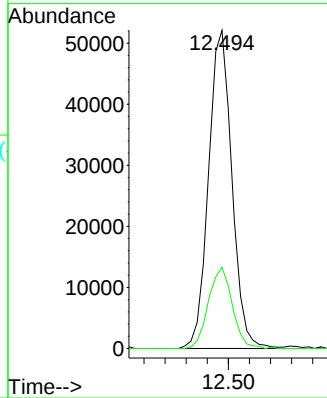
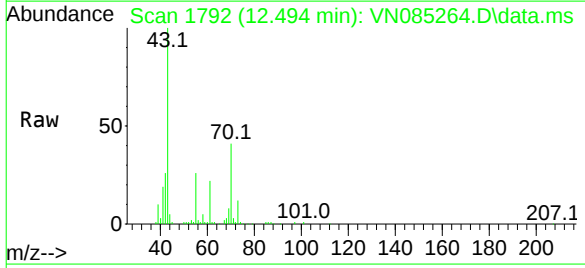
#47
n-amy1 Acetate
Concen: 25.363 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 80123
Ion Ratio Lower Upper
43 100
55 25.9 23.3 34.9

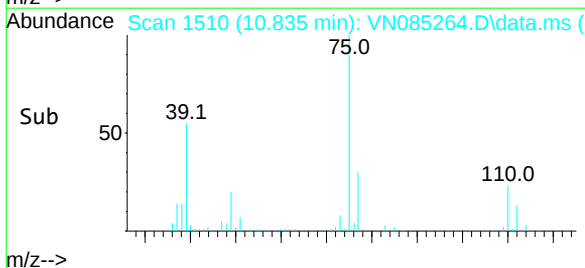
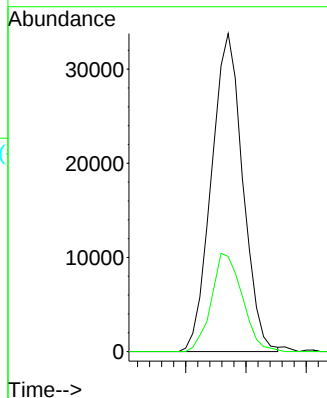
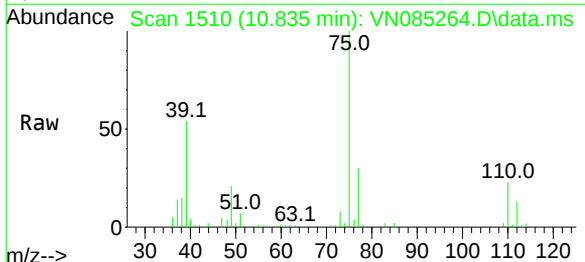
Manual Integrations
APPROVED

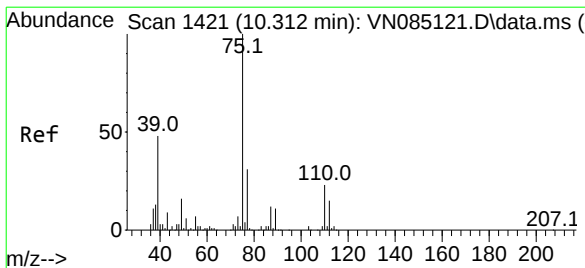
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#48
t-1,3-Dichloropropene
Concen: 22.548 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

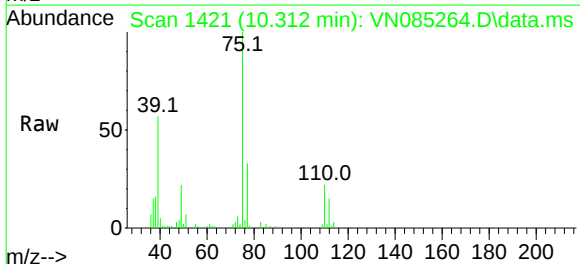
Tgt Ion: 75 Resp: 61110
Ion Ratio Lower Upper
75 100
77 29.9 25.5 38.3





#49
cis-1,3-Dichloropropene
Concen: 22.394 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

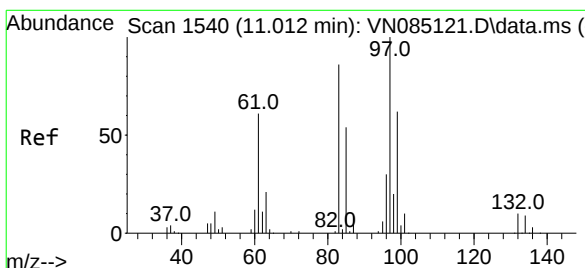
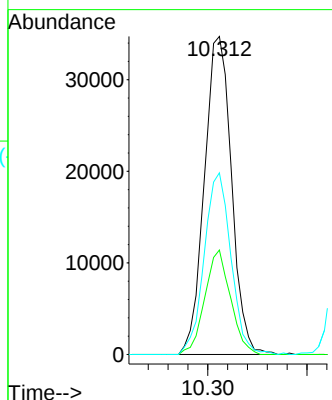
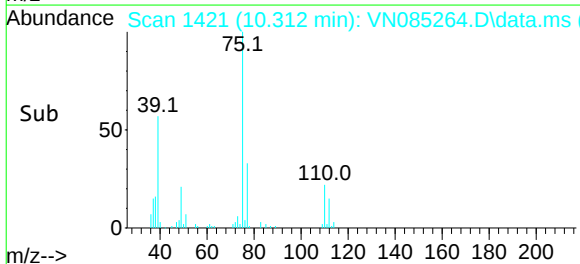
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.8	23.8	35.6
39	57.1	37.3	55.9

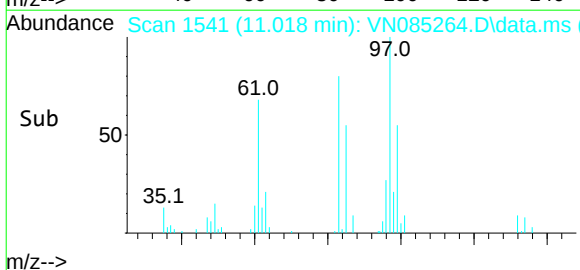
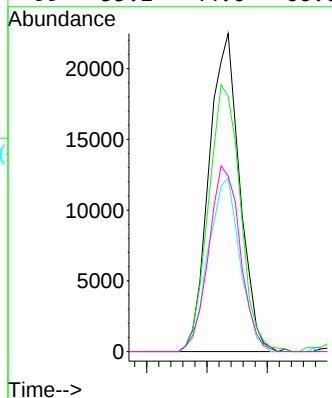
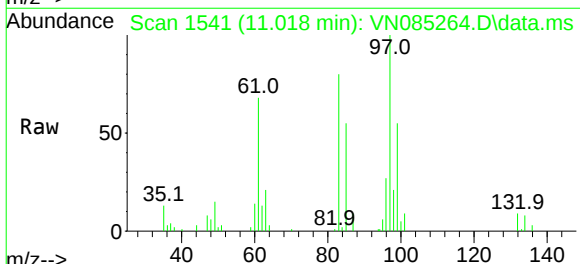
Manual Integrations
APPROVED

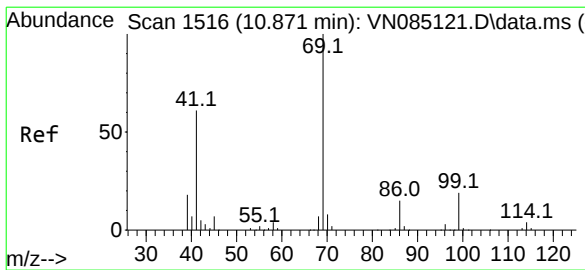
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#50
1,1,2-Trichloroethane
Concen: 22.824 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.2	65.8	98.8
85	54.6	40.8	61.2
99	55.1	44.0	66.0





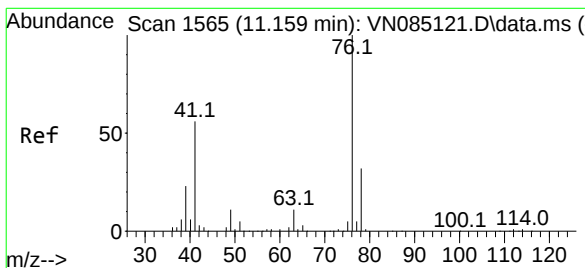
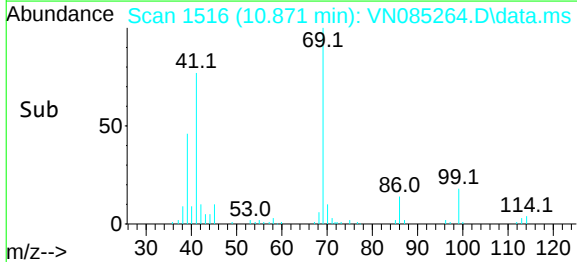
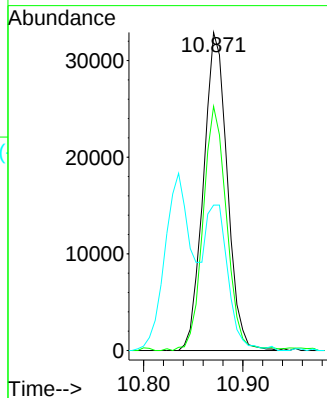
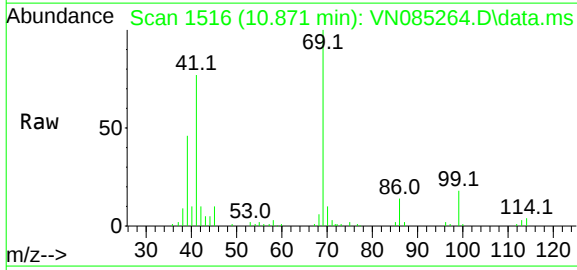
#51
Ethyl methacrylate
Concen: 20.746 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
69	100		
41	76.2	32.1	96.3
39	45.7	18.8	56.4

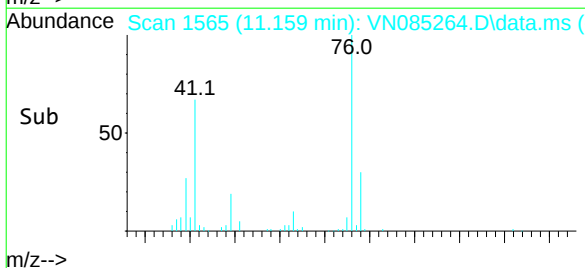
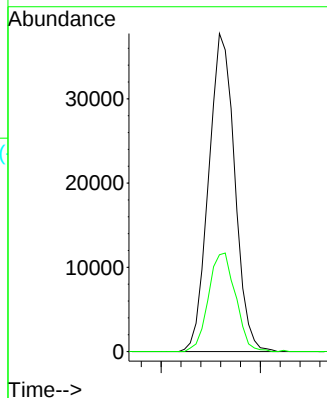
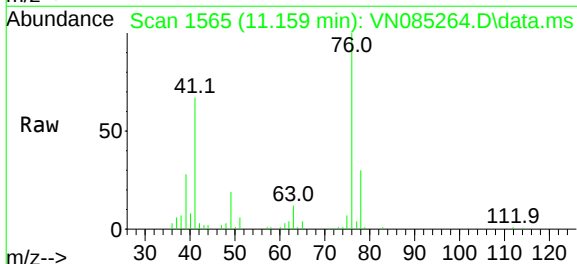
Manual Integrations
APPROVED

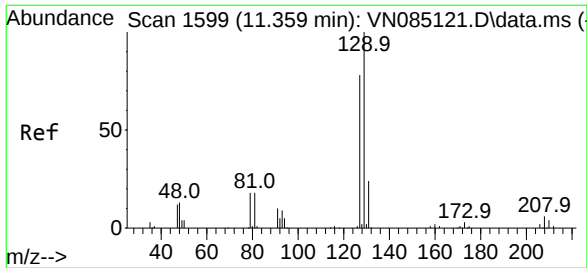
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#52
1,3-Dichloropropane
Concen: 23.685 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	65.6





#53

Dibromochloromethane

Concen: 22.114 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. 0.006 min

Lab File: VN085264.D

Acq: 19 Dec 2024 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:129 Resp: 46898

Ion Ratio Lower Upper

129 100

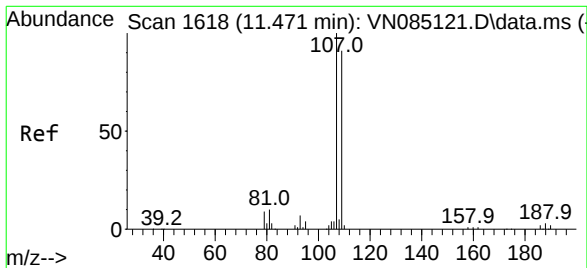
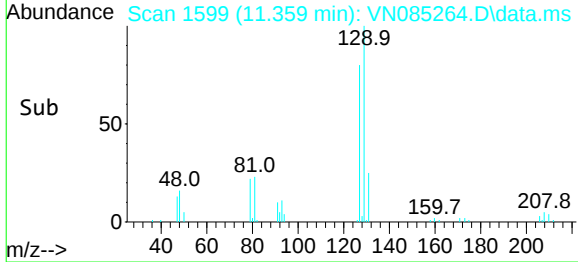
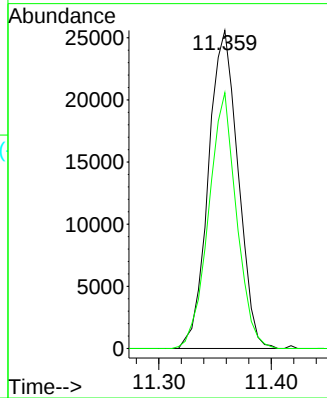
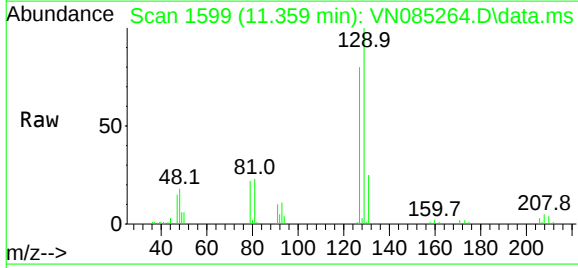
127 75.6 37.3 111.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#54

1,2-Dibromoethane

Concen: 21.991 ug/l

RT: 11.470 min Scan# 1618

Delta R.T. 0.006 min

Lab File: VN085264.D

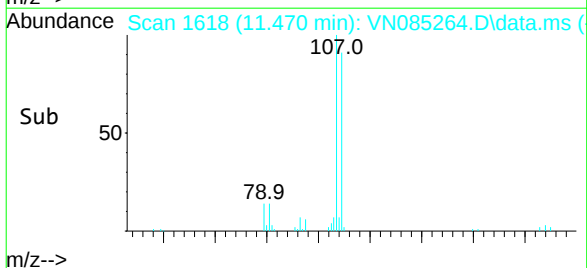
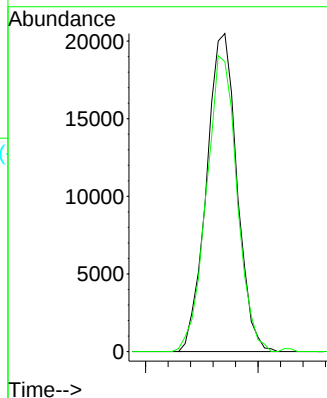
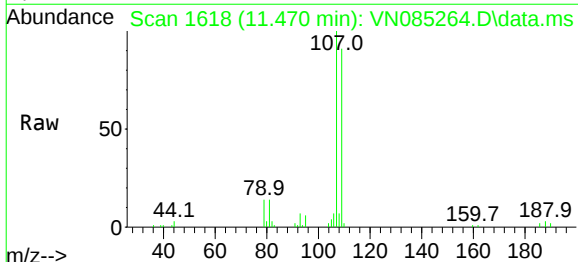
Acq: 19 Dec 2024 12:32

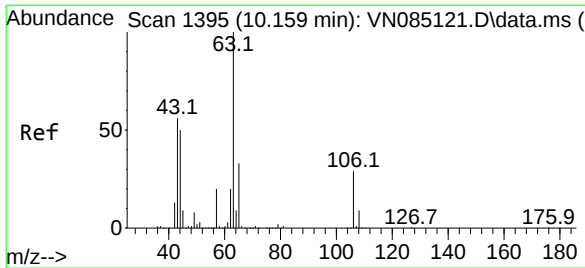
Tgt Ion:107 Resp: 38560

Ion Ratio Lower Upper

107 100

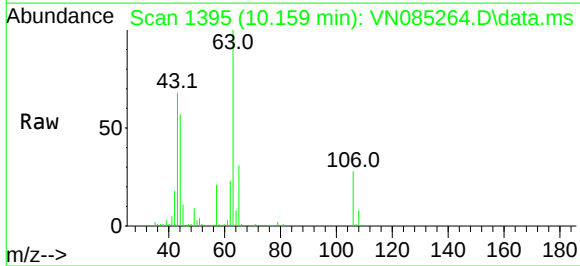
109 93.6 75.2 112.8





#55
2-Chloroethyl vinyl ether
Concen: 119.165 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

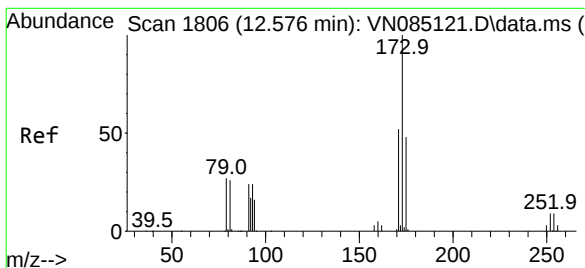
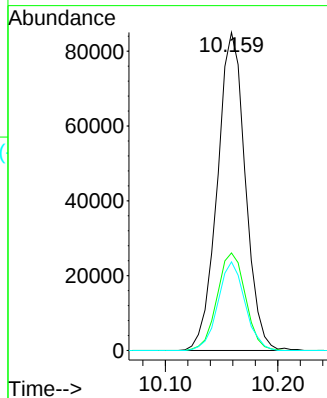
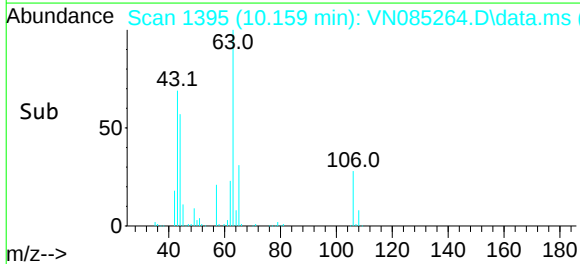
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 63 Resp: 146524
Ion Ratio Lower Upper
63 100
65 31.1 25.9 38.9
106 27.0 23.5 35.3

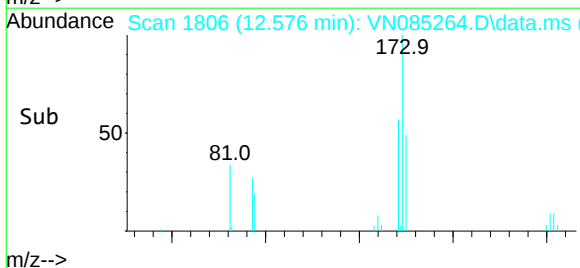
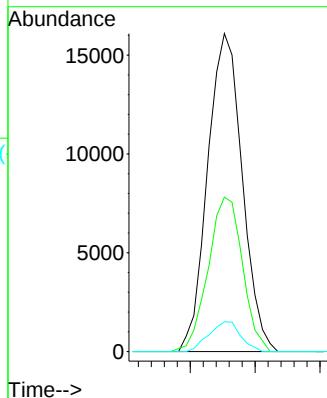
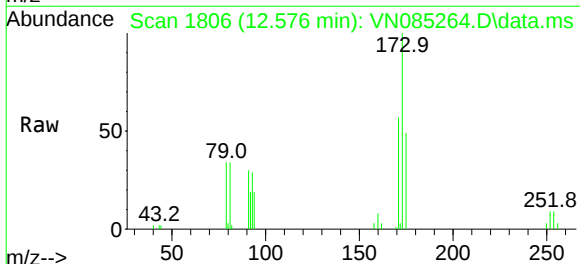
Manual Integrations
APPROVED

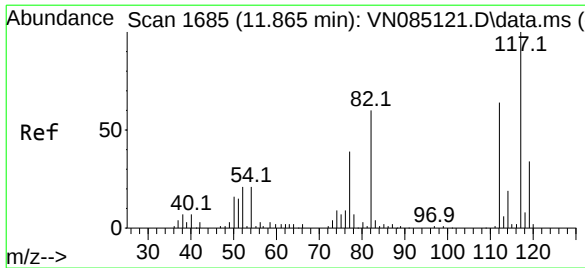
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#56
Bromoform
Concen: 20.976 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Tgt Ion:173 Resp: 29827
Ion Ratio Lower Upper
173 100
175 48.1 40.2 60.2
254 8.6 6.2 9.4





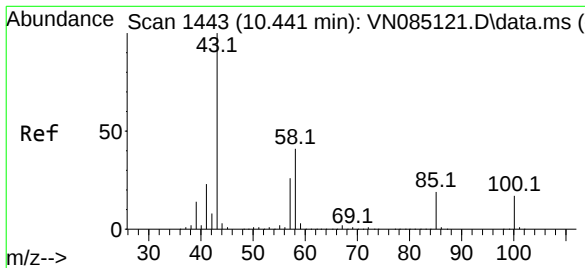
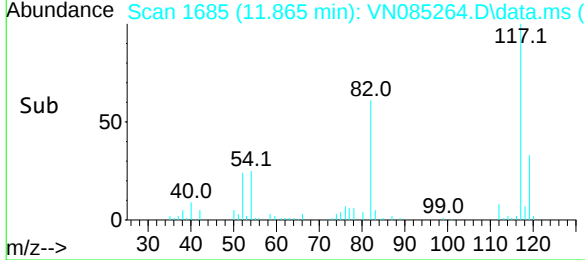
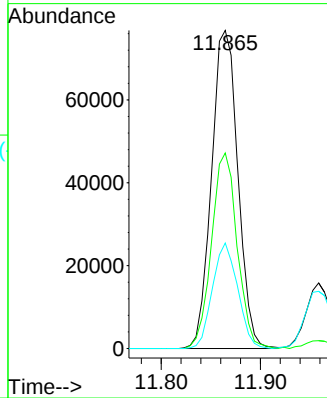
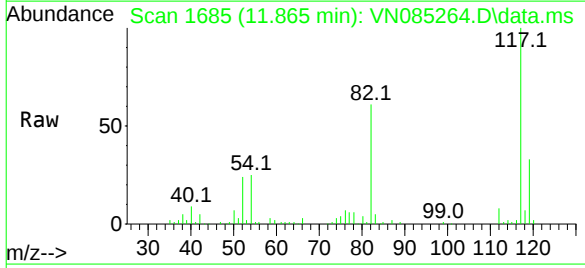
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:	117	Resp:	141633
Ion	Ratio	Lower	Upper
117	100		
82	59.7	44.2	66.4
119	31.8	25.4	38.2

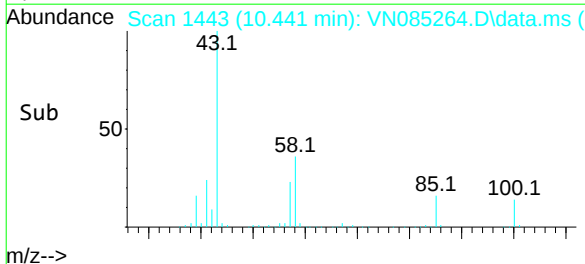
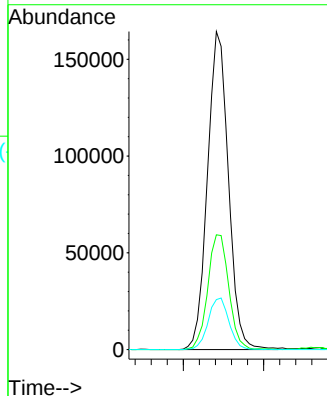
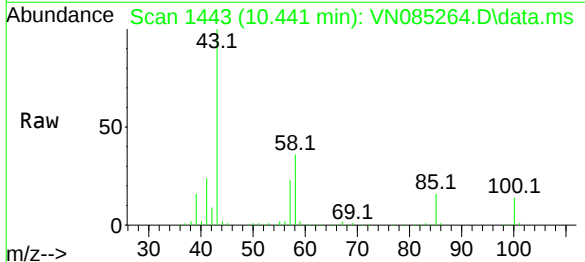
Manual Integrations
APPROVED

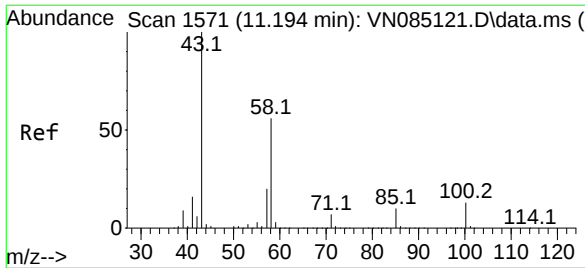
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#58
4-Methyl-2-Pentanone
Concen: 128.883 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

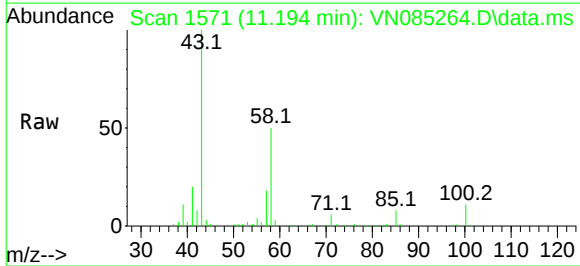
Tgt Ion:	43	Resp:	297913
Ion	Ratio	Lower	Upper
43	100		
58	36.1	31.6	47.4
85	16.1	15.0	22.6





#59
2-Hexanone
Concen: 123.815 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

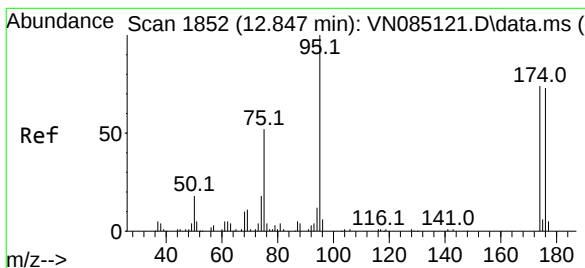
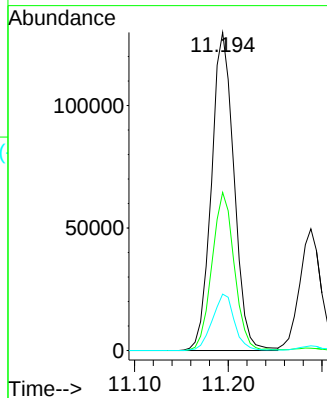
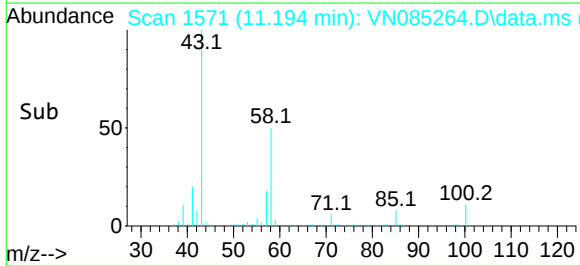
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



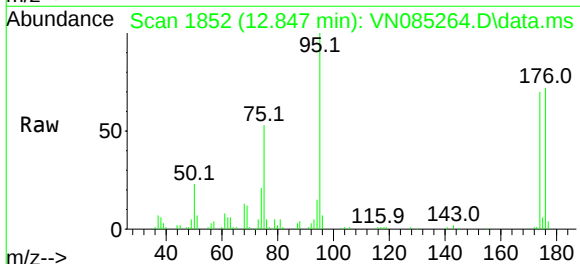
Tgt Ion: 43 Resp: 216854
Ion Ratio Lower Upper
43 100
58 49.2 43.6 65.4
57 17.4 15.4 23.0

Manual Integrations
APPROVED

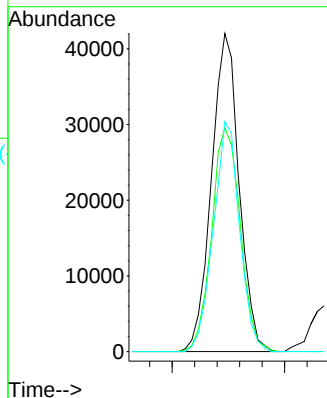
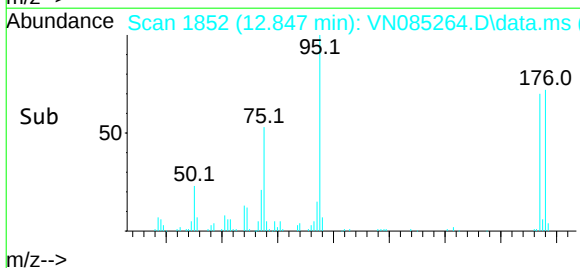
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

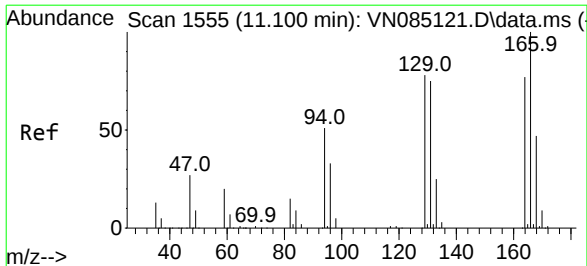


#60
4-Bromofluorobenzene
Concen: 30.538 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32



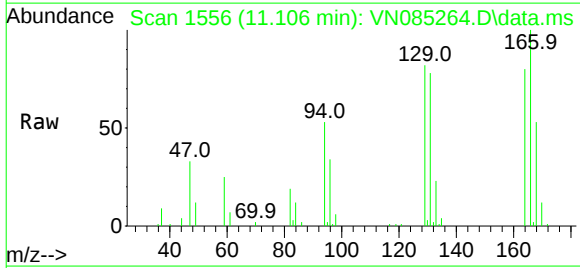
Tgt Ion: 95 Resp: 71564
Ion Ratio Lower Upper
95 100
174 72.8 60.3 90.5
176 68.6 57.4 86.0





#61
Tetrachloroethene
Concen: 19.600 ug/l
RT: 11.106 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

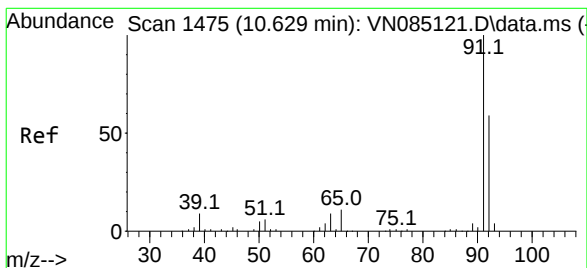
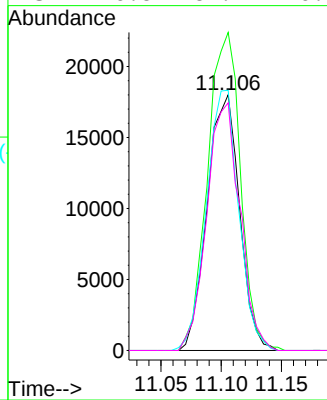
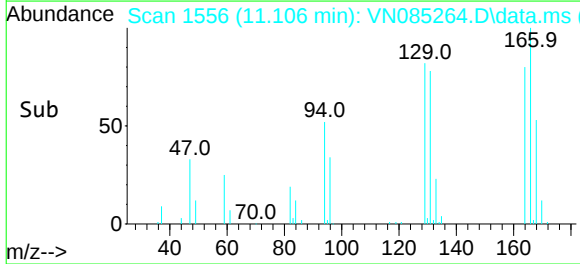
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 164 Resp: 33618
Ion Ratio Lower Upper
164 100
166 124.4 103.8 155.8
129 101.8 84.2 126.4
131 96.8 84.1 126.1

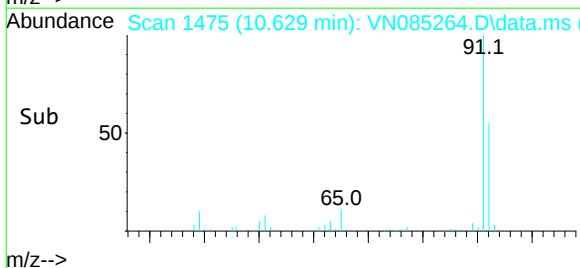
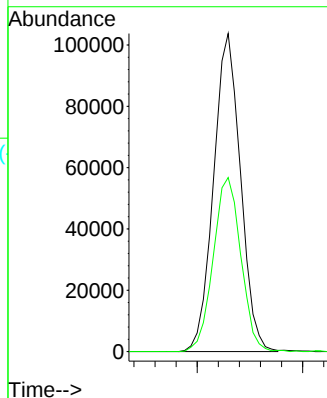
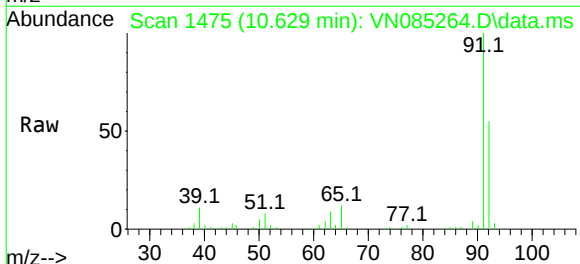
Manual Integrations
APPROVED

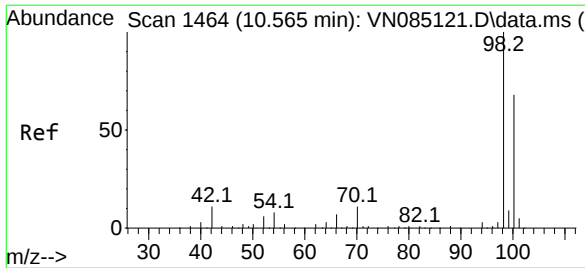
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#62
Toluene
Concen: 22.292 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Tgt Ion: 91 Resp: 184129
Ion Ratio Lower Upper
91 100
92 55.9 46.5 69.7





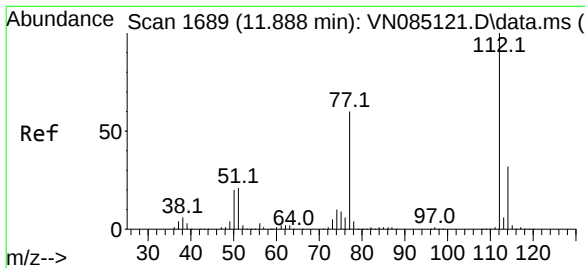
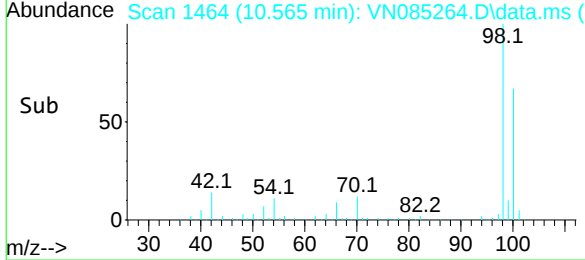
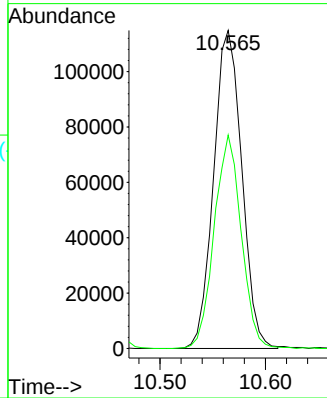
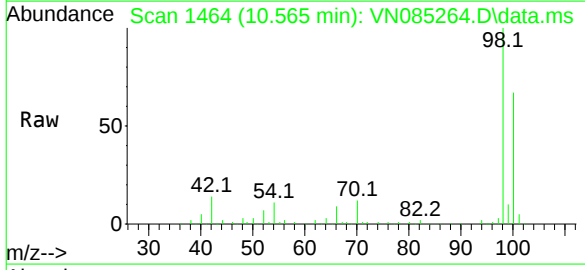
#63
Toluene-d8
Concen: 32.067 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 98 Resp: 213043
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0

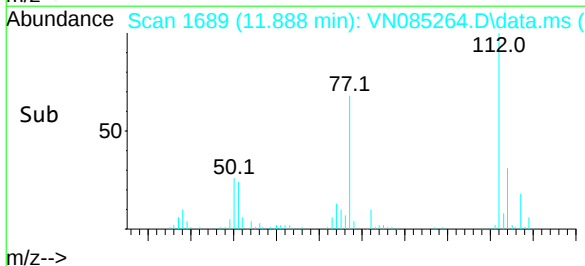
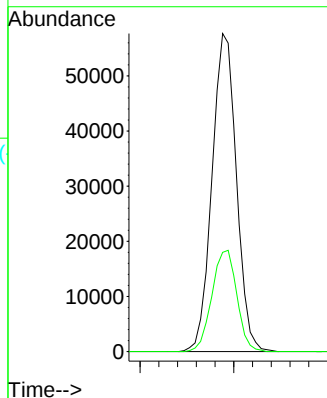
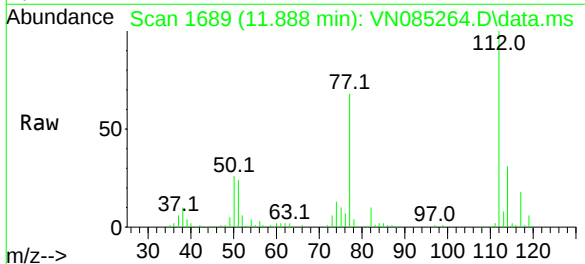
Manual Integrations
APPROVED

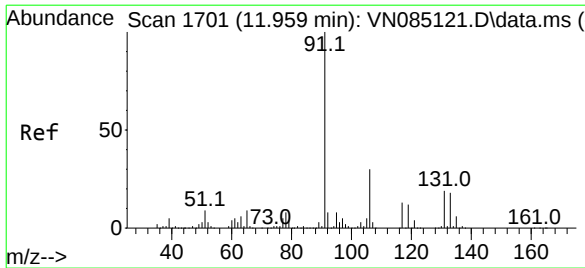
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#64
Chlorobenzene
Concen: 20.459 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

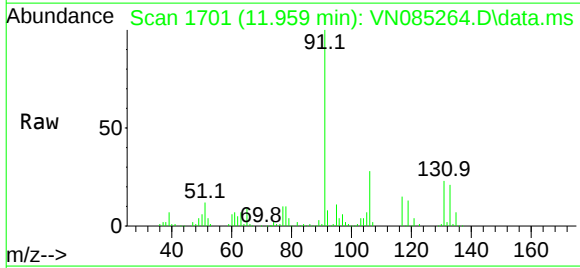
Tgt Ion:112 Resp: 104336
Ion Ratio Lower Upper
112 100
114 31.2 26.0 39.0





#65
1,1,1,2-Tetrachloroethane
Concen: 21.160 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

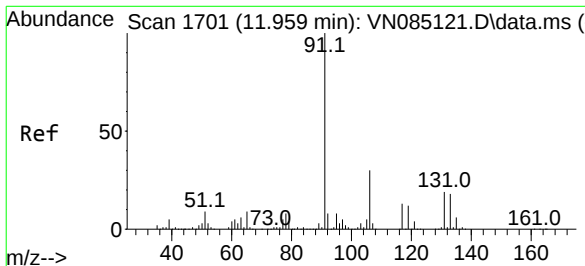
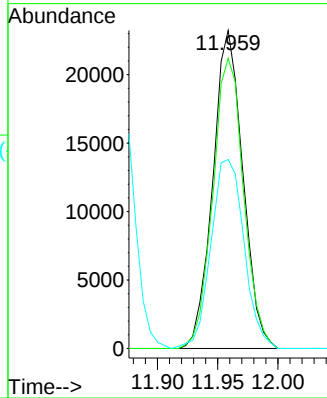
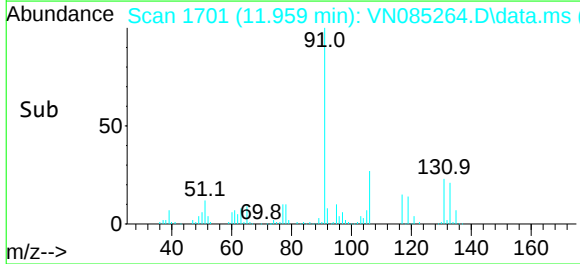
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 131 Resp: 40284
Ion Ratio Lower Upper
131 100
133 93.6 0.0 194.0
119 65.4 0.0 131.8

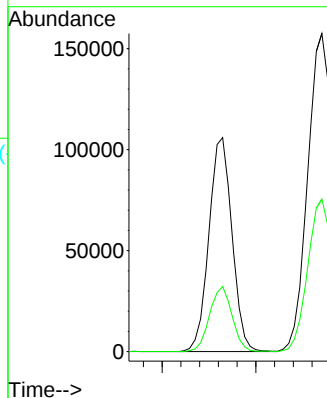
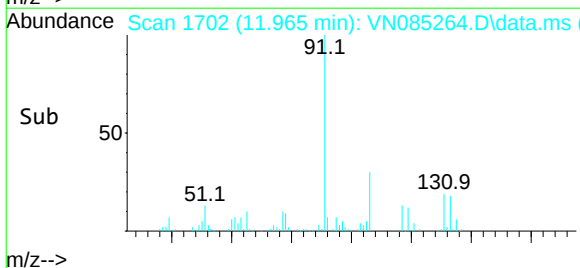
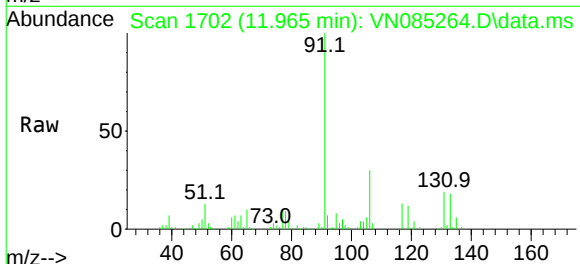
Manual Integrations
APPROVED

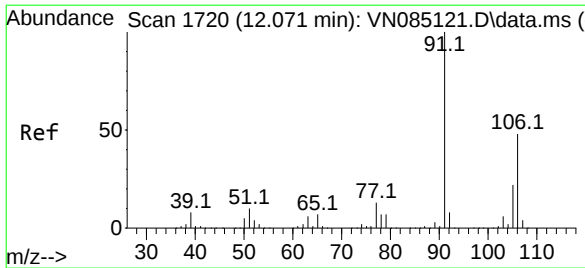
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#66
Ethyl Benzene
Concen: 20.701 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Tgt Ion: 91 Resp: 181447
Ion Ratio Lower Upper
91 100
106 30.5 23.1 34.7





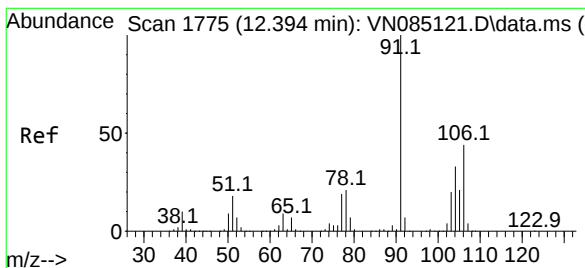
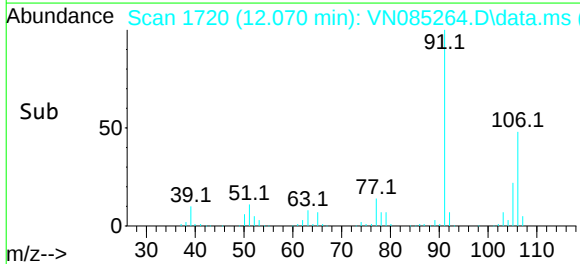
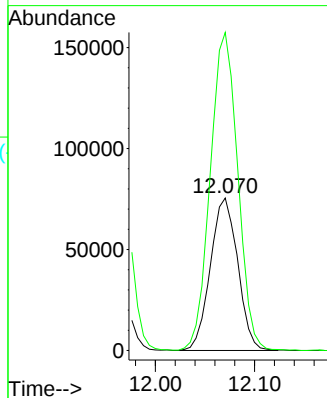
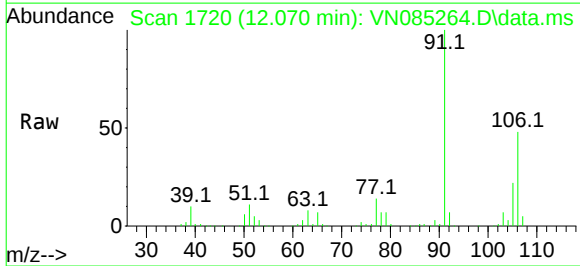
#67
m/p-Xylenes
Concen: 42.940 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 144760
Ion Ratio Lower Upper
106 100
91 209.6 165.0 247.4

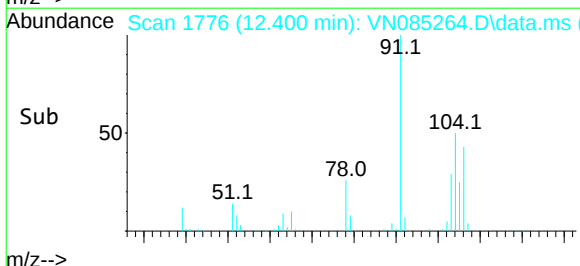
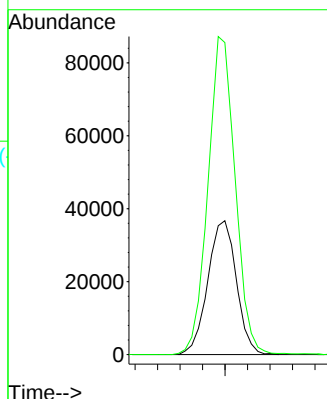
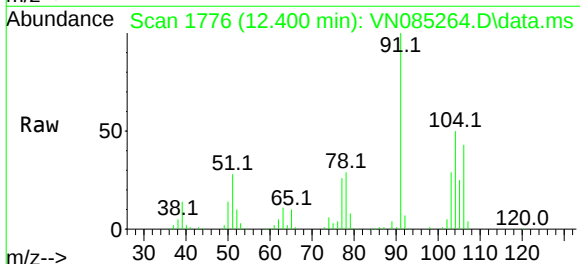
Manual Integrations
APPROVED

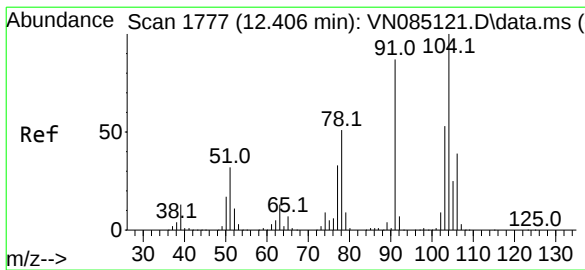
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#68
o-Xylene
Concen: 20.524 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Tgt Ion:106 Resp: 64980
Ion Ratio Lower Upper
106 100
91 225.5 112.1 336.4





#69

Styrene

Concen: 21.116 ug/l

RT: 12.412 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN085264.D

Acq: 19 Dec 2024 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

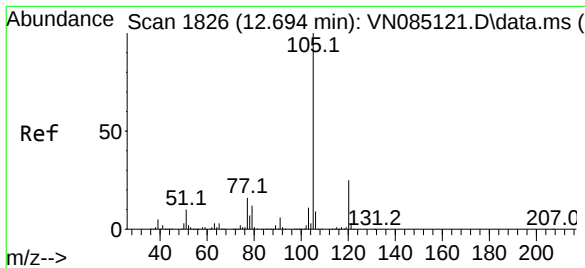
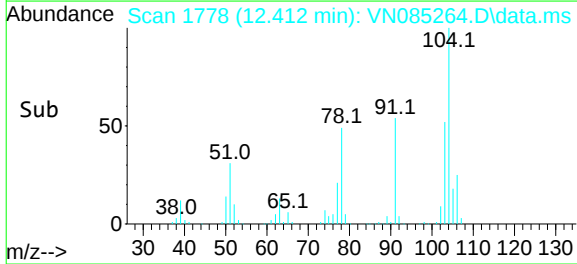
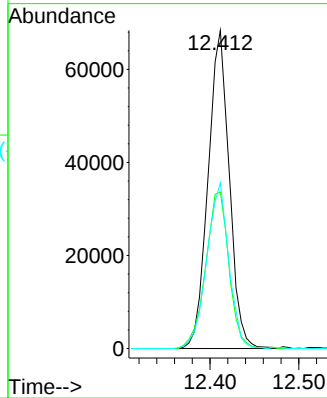
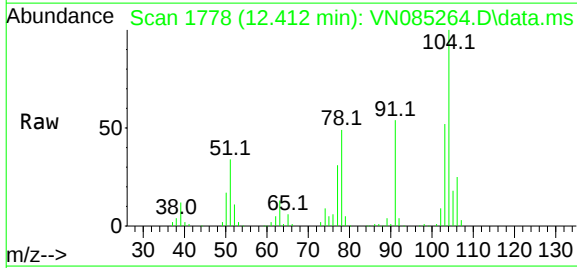
Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.0	42.3	63.5
103	54.1	44.4	66.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#70

Isopropylbenzene

Concen: 20.346 ug/l

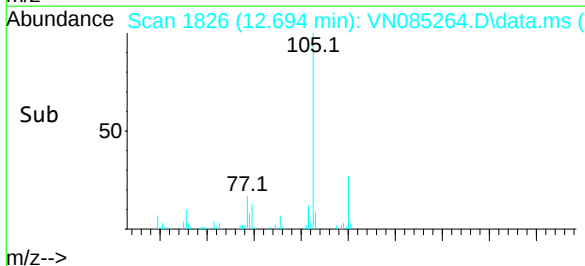
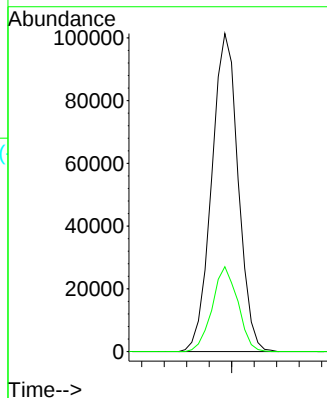
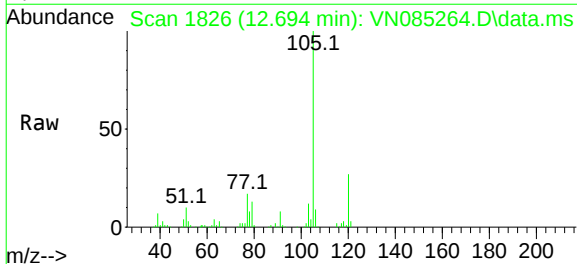
RT: 12.694 min Scan# 1826

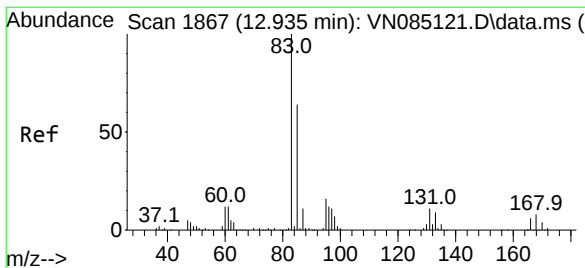
Delta R.T. -0.000 min

Lab File: VN085264.D

Acq: 19 Dec 2024 12:32

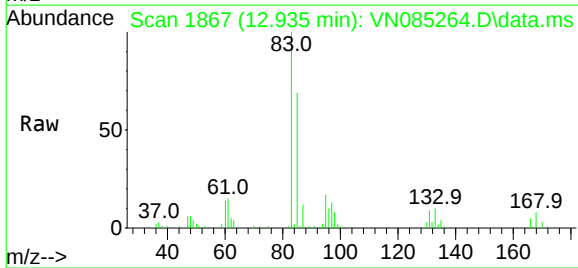
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	18.3	33.9





#71
1,1,2,2-Tetrachloroethane
Concen: 23.131 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

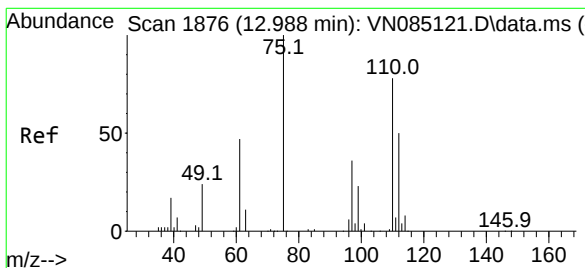
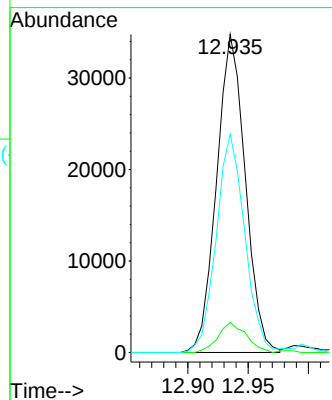
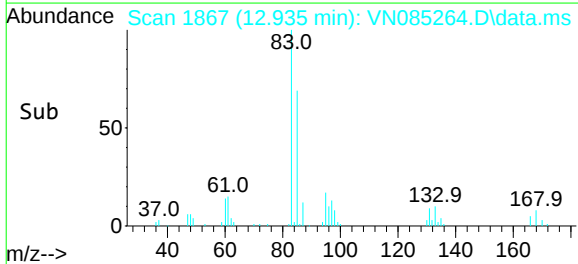
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.3	5.1	15.3
85	68.0	31.1	93.5

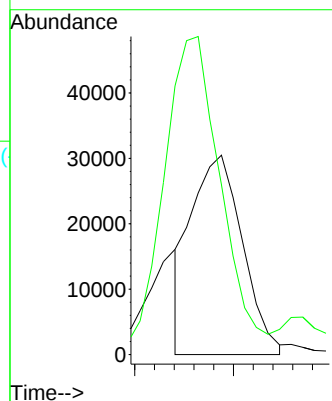
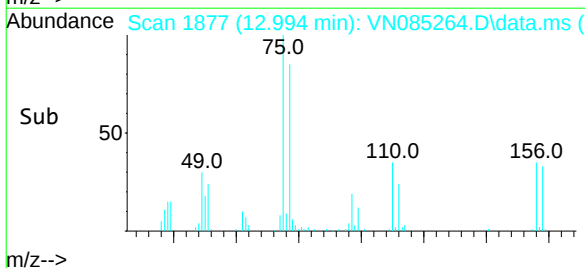
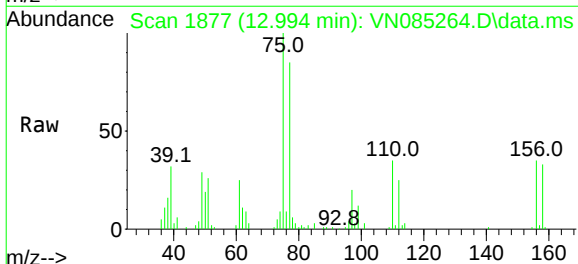
Manual Integrations
APPROVED

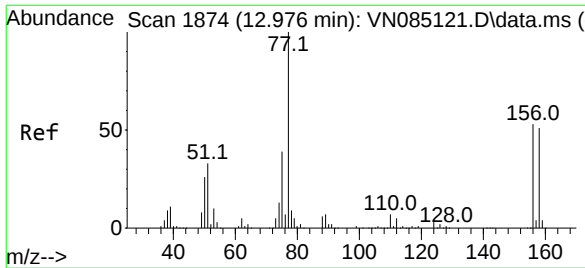
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#72
1,2,3-Trichloropropane
Concen: 22.385 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	177.7	0.0	339.0





#73

Bromobenzene

Concen: 21.024 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. -0.000 min

Lab File: VN085264.D

Acq: 19 Dec 2024 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

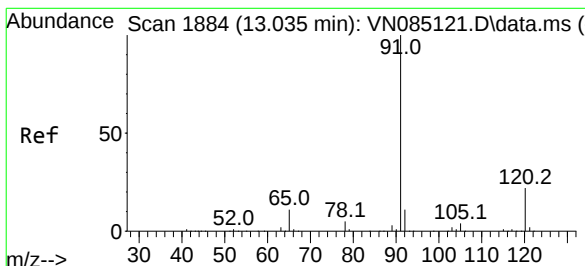
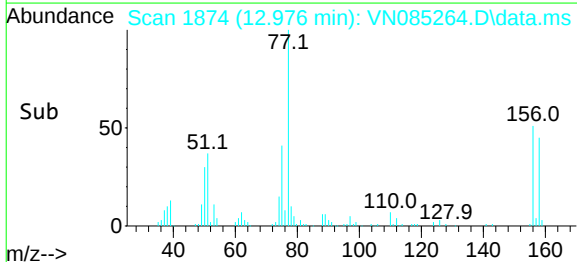
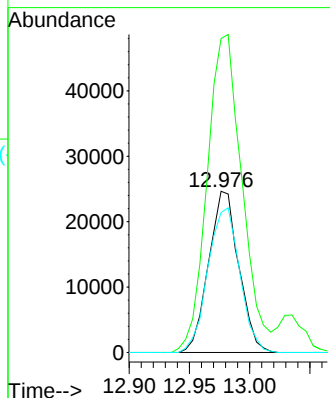
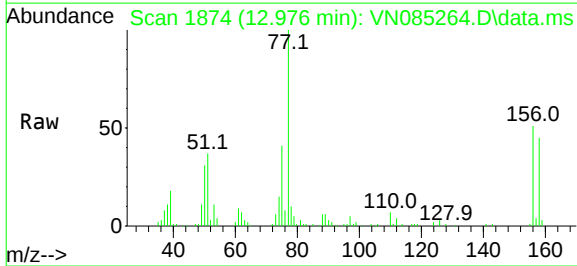
Tgt Ion:	156	Resp:	43003
Ion Ratio	Lower	Upper	
156	100		
77	227.1	0.0	430.4
158	94.7	0.0	195.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#74

n-propylbenzene

Concen: 21.342 ug/l

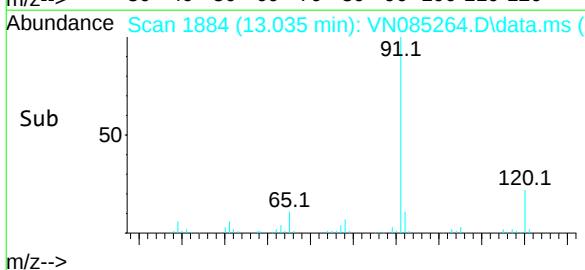
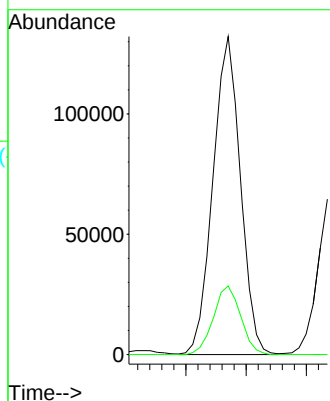
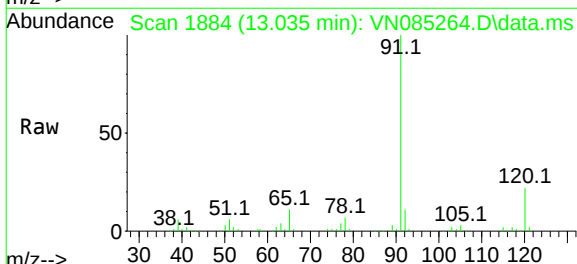
RT: 13.035 min Scan# 1884

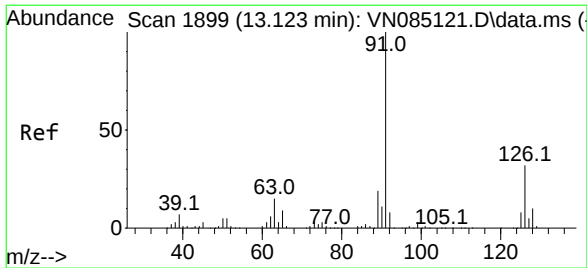
Delta R.T. -0.000 min

Lab File: VN085264.D

Acq: 19 Dec 2024 12:32

Tgt Ion:	91	Resp:	209519
Ion Ratio	Lower	Upper	
91	100		
120	21.4	0.0	44.0





#75

2-Chlorotoluene

Concen: 21.399 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085264.D

Acq: 19 Dec 2024 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 91 Resp: 129892

Ion Ratio Lower Upper

91 100

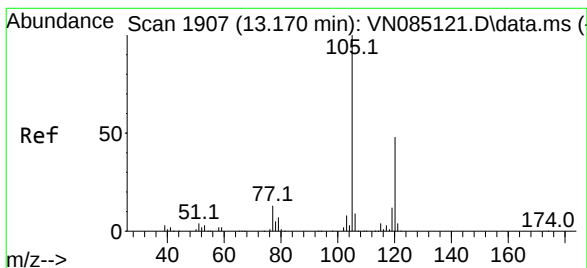
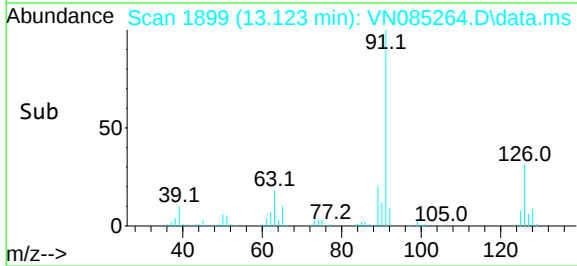
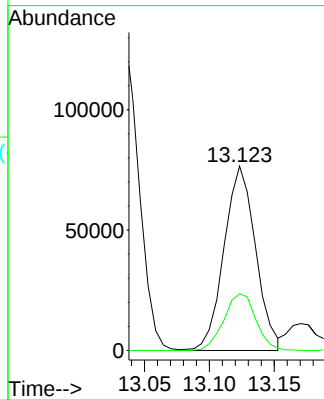
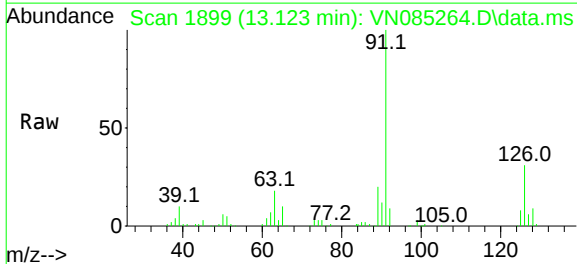
126 31.2 0.0 64.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#76

1,3,5-Trimethylbenzene

Concen: 21.330 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085264.D

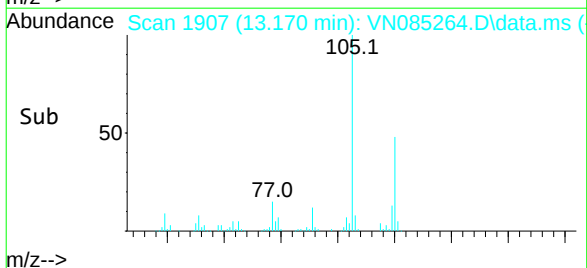
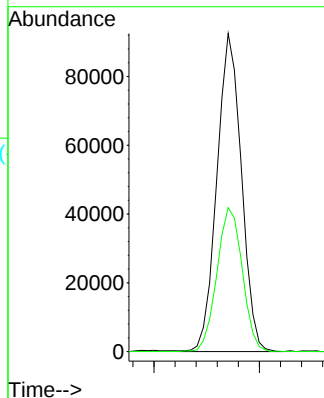
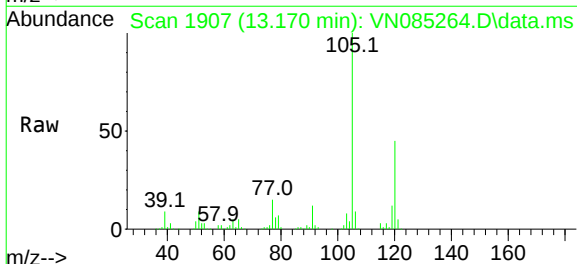
Acq: 19 Dec 2024 12:32

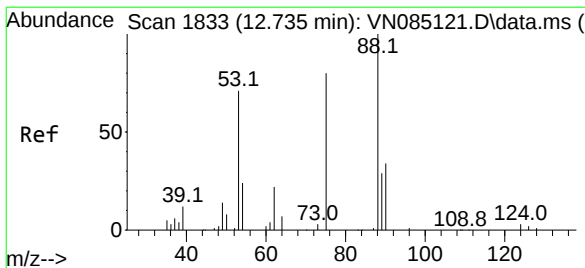
Tgt Ion:105 Resp: 149228

Ion Ratio Lower Upper

105 100

120 46.7 0.0 94.4





#77

t-1,4-Dichloro-2-butene

Concen: 21.570 ug/l

RT: 12.735 min Scan# 18

Delta R.T. -0.000 min

Lab File: VN085264.D

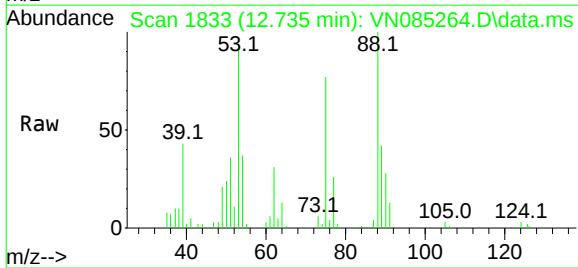
Acq: 19 Dec 2024 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020



Tgt Ion: 75 Resp: 19244

Ion Ratio Lower Upper

75 100

53 121.1 49.1 147.3

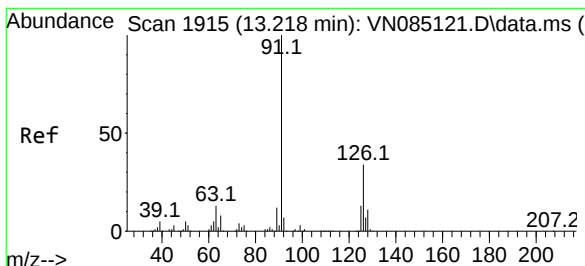
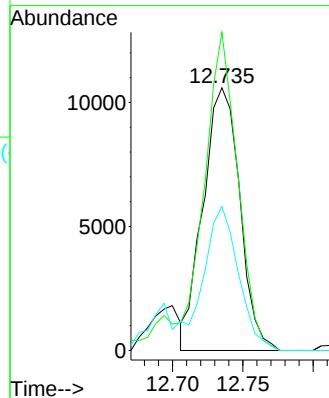
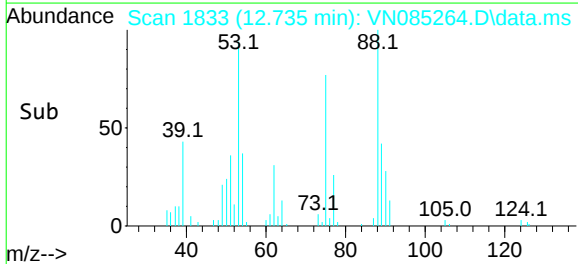
89 54.8 22.9 68.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#78

4-Chlorotoluene

Concen: 21.432 ug/l

RT: 13.217 min Scan# 1915

Delta R.T. -0.000 min

Lab File: VN085264.D

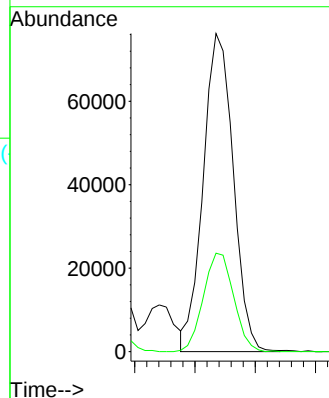
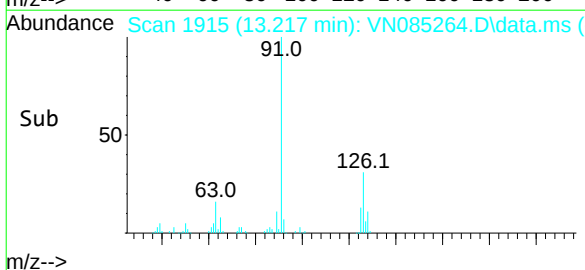
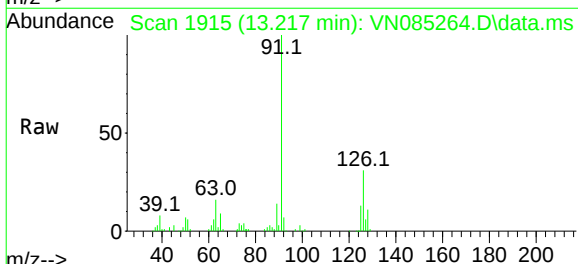
Acq: 19 Dec 2024 12:32

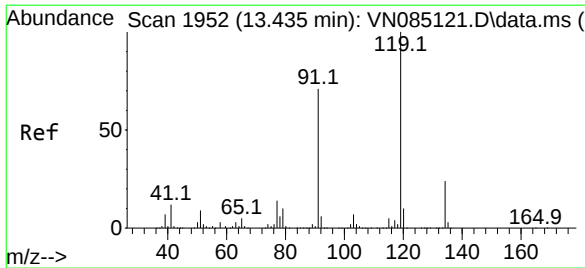
Tgt Ion: 91 Resp: 132041

Ion Ratio Lower Upper

91 100

126 31.1 0.0 64.4





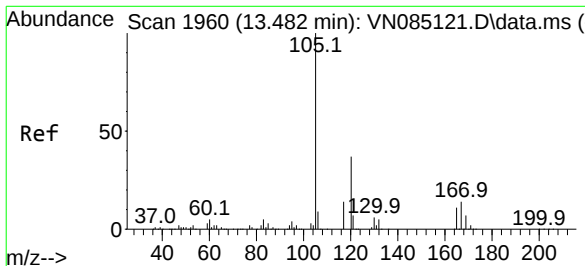
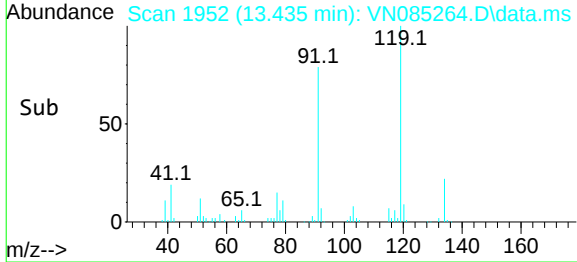
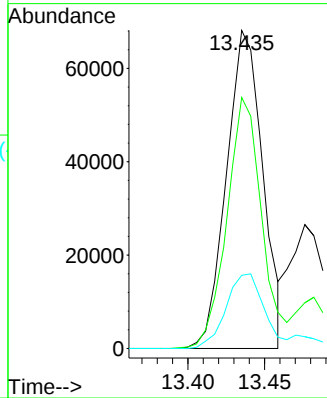
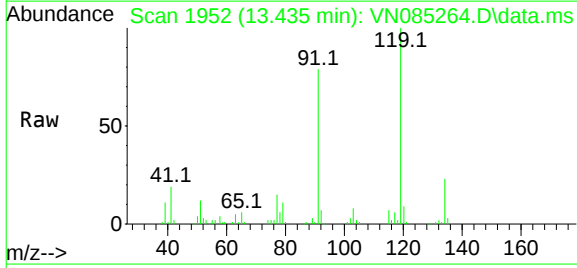
#79
tert-butylbenzene
Concen: 19.531 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:119 Resp: 112233
Ion Ratio Lower Upper
119 100
91 75.8 0.0 139.2
134 24.6 0.0 48.0

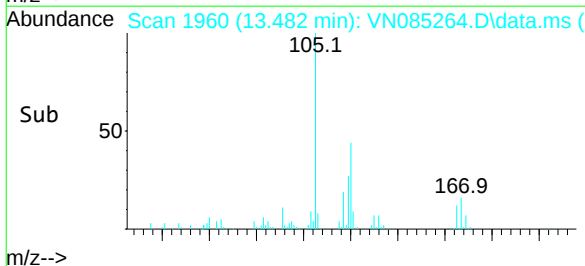
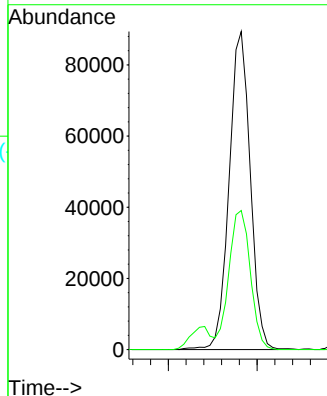
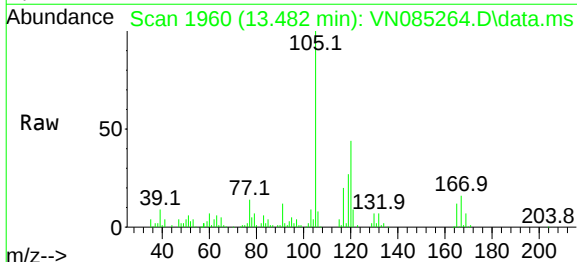
Manual Integrations
APPROVED

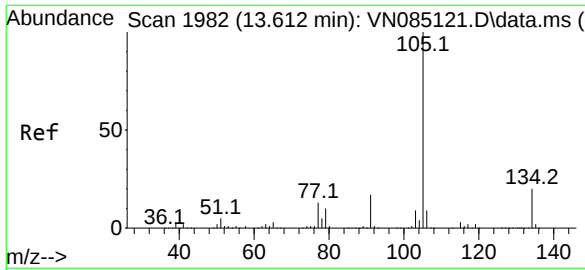
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#80
1,2,4-Trimethylbenzene
Concen: 21.329 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Tgt Ion:105 Resp: 147396
Ion Ratio Lower Upper
105 100
120 44.4 0.0 87.4





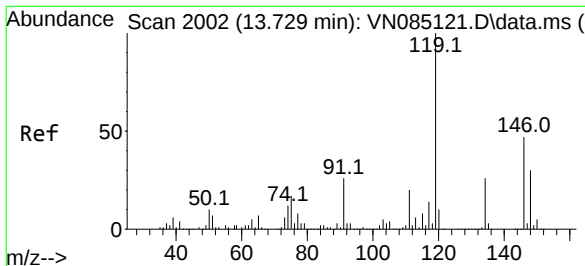
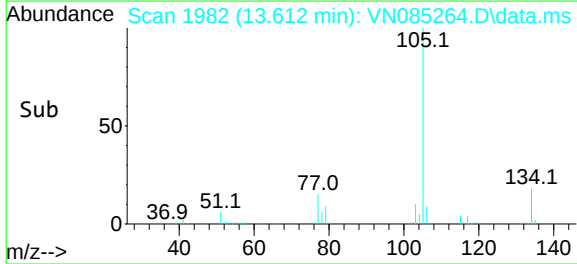
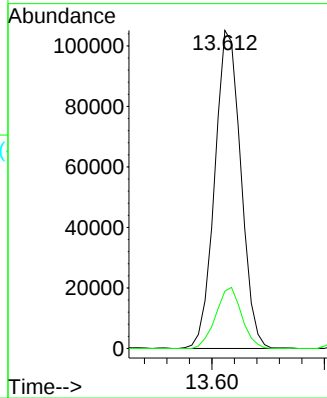
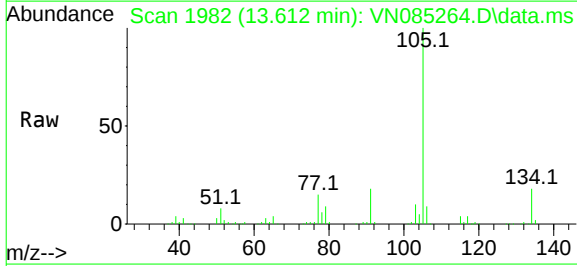
#81
sec-Butylbenzene
Concen: 20.764 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:105 Resp: 169513
Ion Ratio Lower Upper
105 100
134 19.0 0.0 38.0

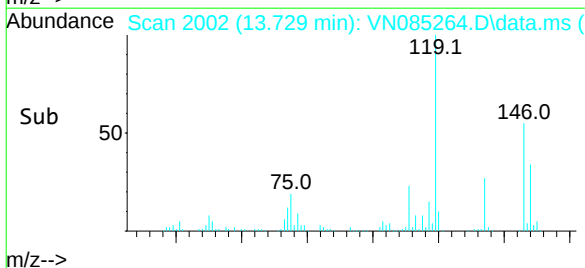
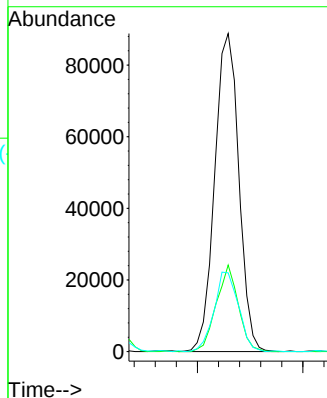
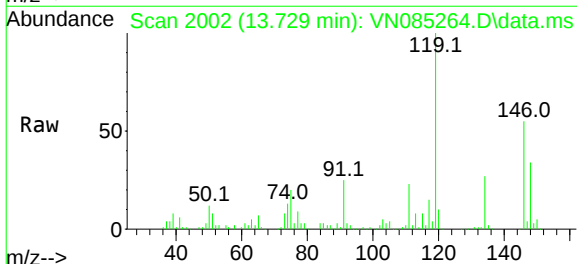
Manual Integrations
APPROVED

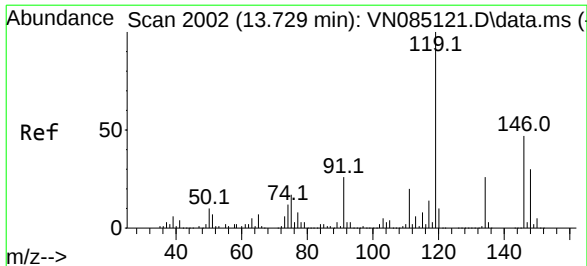
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#82
p-Isopropyltoluene
Concen: 20.880 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

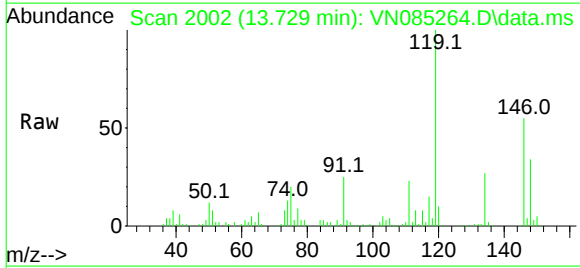
Tgt Ion:119 Resp: 141319
Ion Ratio Lower Upper
119 100
134 24.8 0.0 51.6
91 25.3 0.0 50.4





#83
1,3-Dichlorobenzene
Concen: 21.354 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

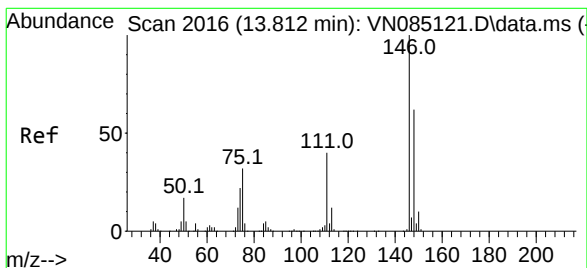
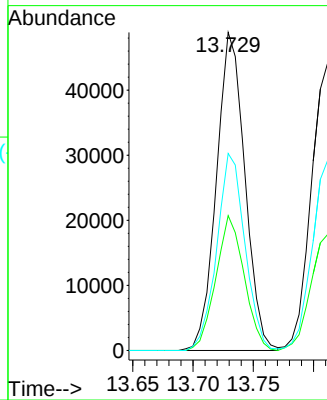
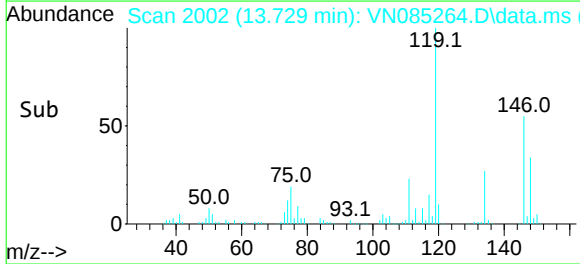
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:146 Resp: 80135
Ion Ratio Lower Upper
146 100
111 42.2 21.1 63.3
148 61.4 31.8 95.3

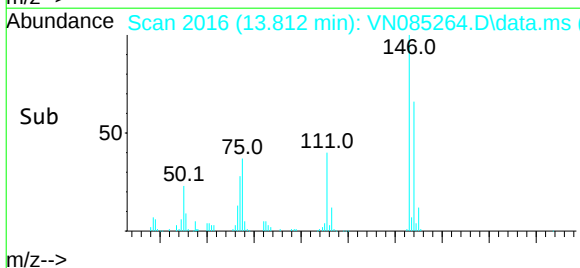
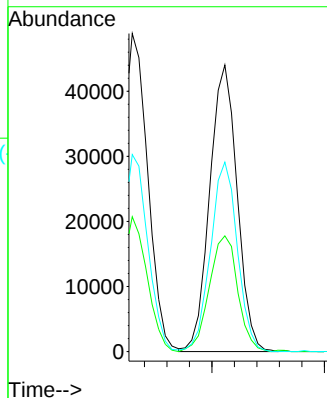
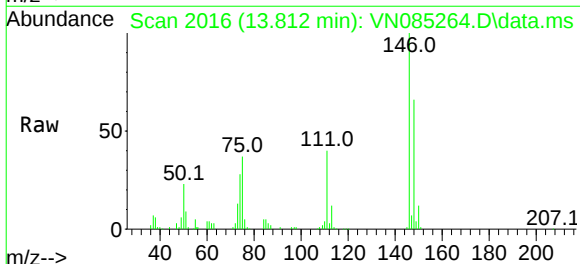
Manual Integrations
APPROVED

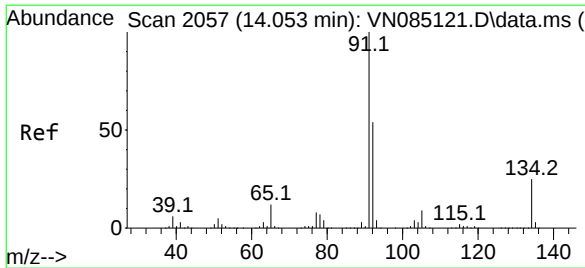
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#84
1,4-Dichlorobenzene
Concen: 20.434 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Tgt Ion:146 Resp: 74733
Ion Ratio Lower Upper
146 100
111 41.8 20.1 60.3
148 64.7 31.6 94.7





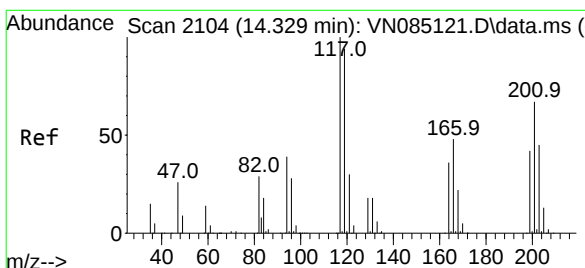
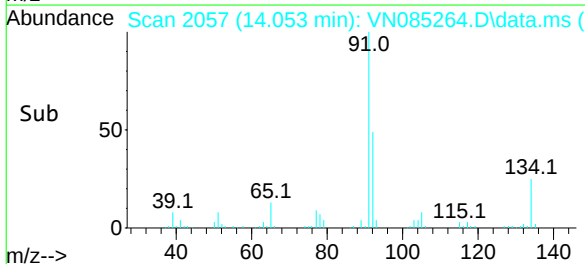
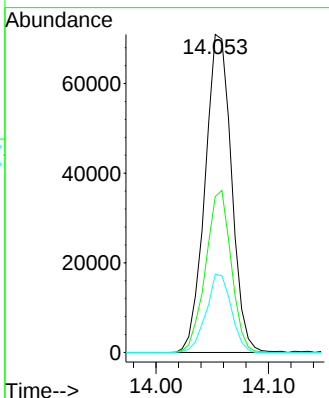
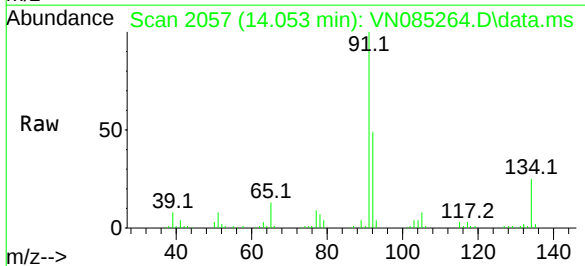
#85
n-Butylbenzene
Concen: 20.452 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 116112
Ion Ratio Lower Upper
91 100
92 49.2 0.0 104.0
134 23.3 0.0 49.2

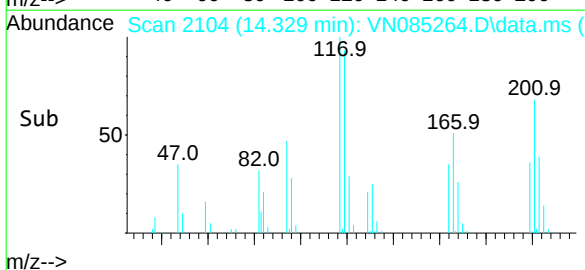
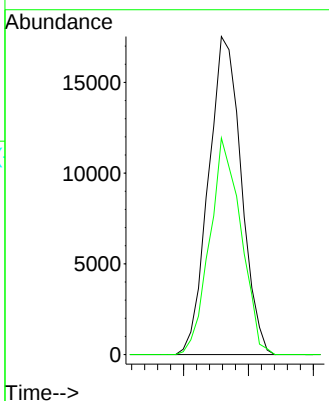
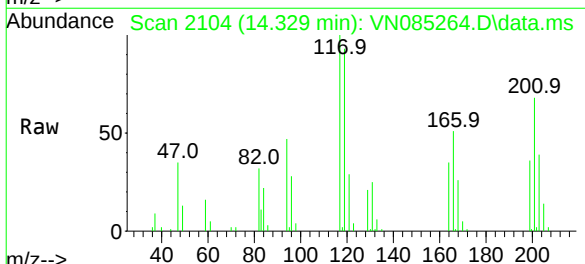
Manual Integrations
APPROVED

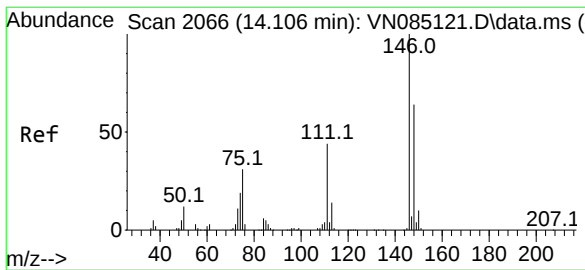
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#86
Hexachloroethane
Concen: 22.834 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Tgt Ion:117 Resp: 30766
Ion Ratio Lower Upper
117 100
201 65.1 34.1 102.3





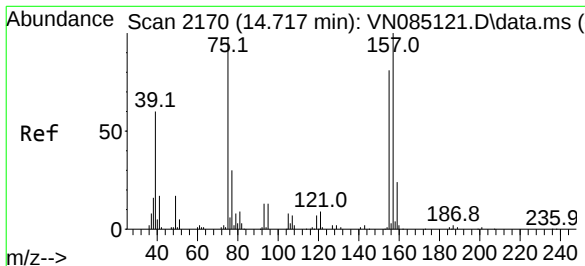
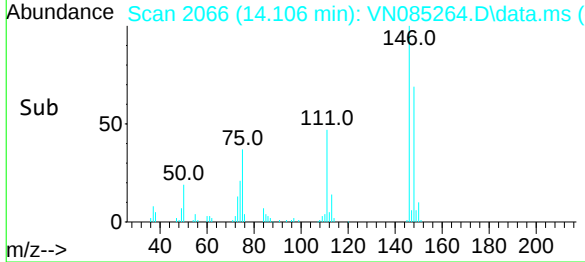
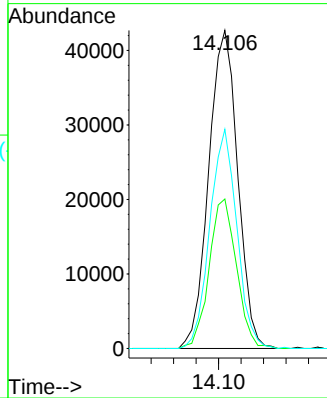
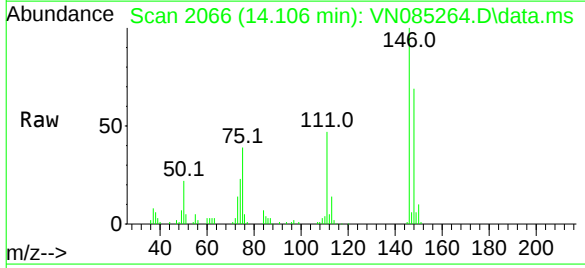
#87
1,2-Dichlorobenzene
Concen: 21.589 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.9	65.7
148	64.4	32.4	97.0

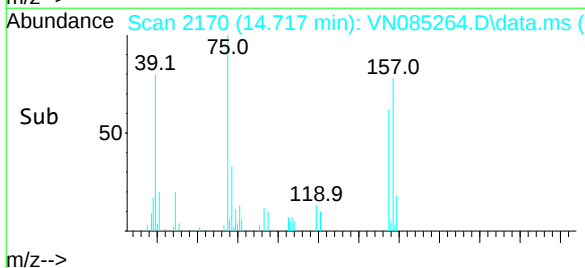
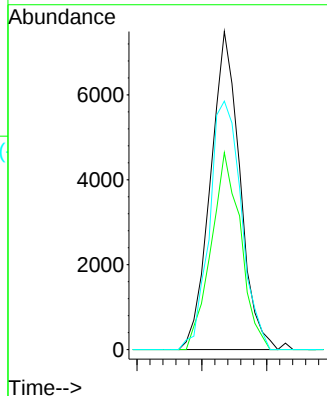
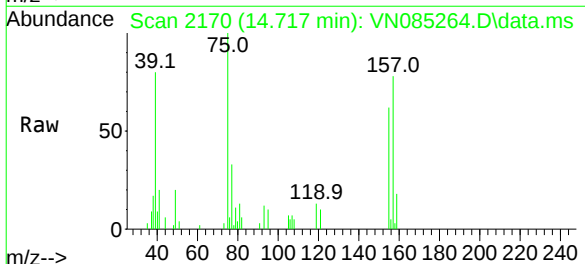
Manual Integrations
APPROVED

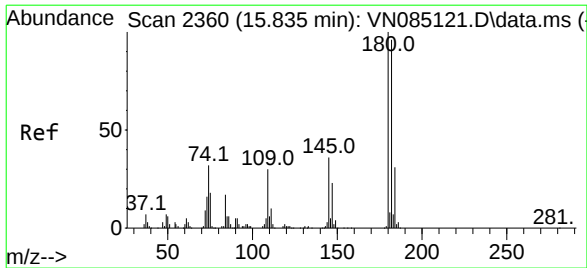
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#88
1,2-Dibromo-3-Chloropropane
Concen: 23.783 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085264.D
Acq: 19 Dec 2024 12:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	62.2	62.1	93.1
157	84.6	79.3	118.9





#89

1,2,4-Trichlorobenzene

Concen: 18.817 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VN085264.D

Acq: 19 Dec 2024 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

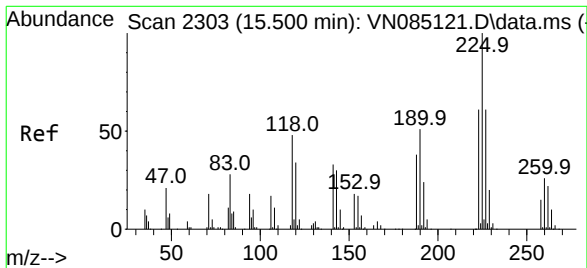
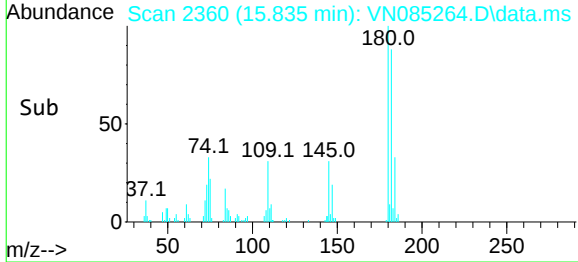
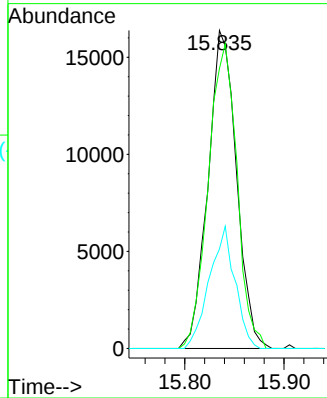
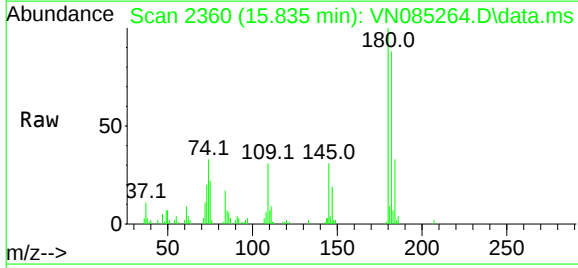
Tgt	Ion:180	Resp:	32643
Ion	Ratio	Lower	Upper
180	100		
182	96.7	74.0	111.0
145	34.6	28.6	43.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#90

Hexachlorobutadiene

Concen: 19.400 ug/l

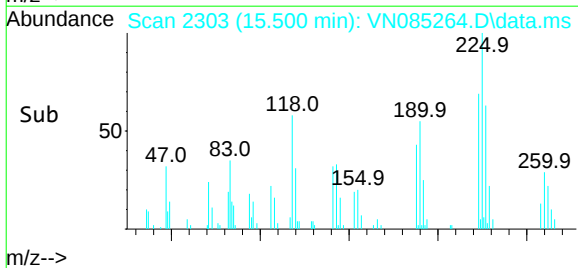
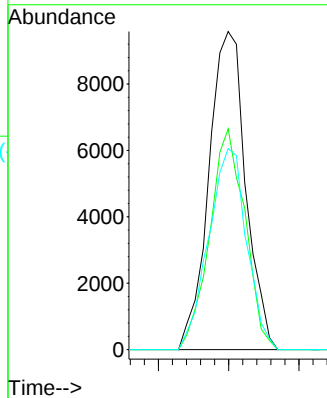
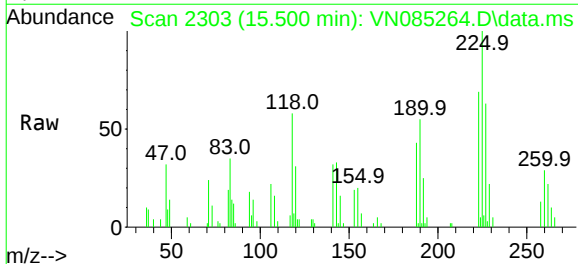
RT: 15.500 min Scan# 2303

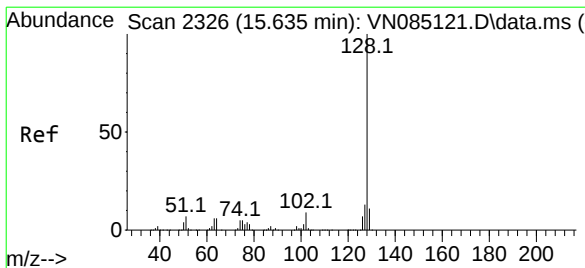
Delta R.T. -0.000 min

Lab File: VN085264.D

Acq: 19 Dec 2024 12:32

Tgt	Ion:225	Resp:	17488
Ion	Ratio	Lower	Upper
225	100		
223	66.4	0.0	121.8
227	65.0	0.0	126.8





#91

Naphthalene

Concen: 18.115 ug/l

RT: 15.641 min Scan# 2326

Delta R.T. -0.000 min

Lab File: VN085264.D

Acq: 19 Dec 2024 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

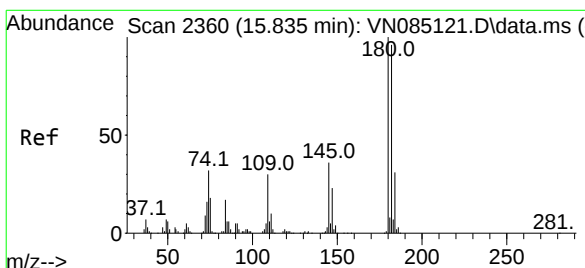
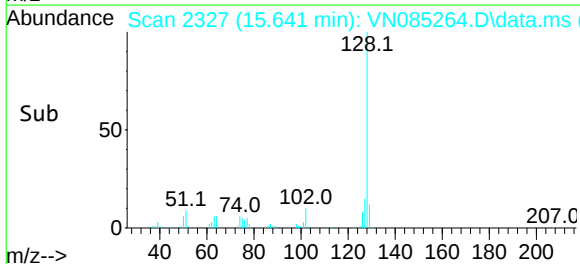
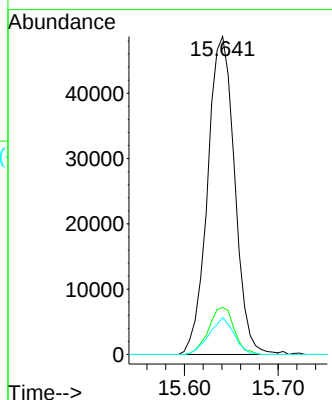
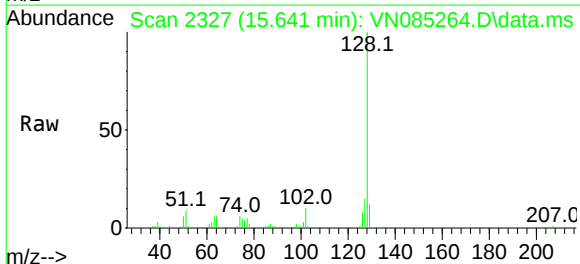
Tgt Ion:	128	Resp:	97631
Ion	Ratio	Lower	Upper
128	100		
127	14.0	11.0	16.4
129	10.6	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#92

1,2,3-Trichlorobenzene

Concen: 18.817 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VN085264.D

Acq: 19 Dec 2024 12:32

Tgt Ion:	180	Resp:	32643
Ion	Ratio	Lower	Upper
180	100		
182	96.7	0.0	185.0
145	34.6	0.0	71.6

