

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
 Data File : VN085209.D
 Acq On : 16 Dec 2024 10:57
 Operator : JC\MD
 Sample : VN1216WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Dec 16 12:21:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 06 22:50:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	29855	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	161867	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	148673	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	72034	30.408	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.367%			
60) 4-Bromofluorobenzene	12.847	95	73852	30.022	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.067%			
63) Toluene-d8	10.565	98	202306	29.009	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.700%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	48095	20.136	ug/l	96
3) Chloromethane	2.359	50	40344	19.083	ug/l	92
4) Vinyl Chloride	2.512	62	45267	20.934	ug/l	96
5) Bromomethane	2.965	94	27446	19.991	ug/l	99
6) Chloroethane	3.118	64	28186	21.216	ug/l	95
7) Trichlorofluoromethane	3.501	101	72820	20.573	ug/l	97
8) Diethyl Ether	3.959	74	23793	21.222	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	39414	19.912	ug/l	88
10) 1,1-Dichloroethene	4.342	96	36096	19.853	ug/l	96
11) Methyl Iodide	4.589	142	46064	18.268	ug/l	97
12) Methyl Acetate	5.024	43	46738	21.790	ug/l	96
13) Acrolein	4.177	56	35773	114.765	ug/l	99
14) Acrylonitrile	5.718	53	91712	102.973	ug/l	96
15) Acetone	4.424	58	29139	120.730	ug/l	83
16) Carbon Disulfide	4.712	76	105348	19.385	ug/l	97
17) Allyl chloride	5.024	41	52512	20.184	ug/l	99
18) Methylene Chloride	5.277	84	41210	19.976	ug/l	92
19) trans-1,2-Dichloroethene	5.777	96	36574	19.353	ug/l	92
20) Diisopropyl ether	6.671	45	118990	20.841	ug/l	96
21) 1,1-Dichloroethane	6.565	63	71674	20.339	ug/l	99
22) cis-1,2-Dichloroethene	7.483	96	44718	20.587	ug/l	99
23) tert-Butyl Alcohol	5.512	59	35358	110.664	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	121741	21.432	ug/l #	74
25) Chloroform	7.965	83	74641	20.218	ug/l	100
26) Cyclohexane	8.253	56	56899	19.610	ug/l #	93
29) 1,1-Dichloropropene	8.371	75	51348	19.659	ug/l	95
30) 2-Butanone	7.477	43	130125	108.562	ug/l	98
31) 2,2-Dichloropropane	7.483	77	65963	19.694	ug/l #	100
32) 1,1,1-Trichloroethane	8.165	97	68382	19.342	ug/l	97
33) Carbon Tetrachloride	8.365	117	61882	19.398	ug/l	93
34) Benzene	8.600	78	159828	19.479	ug/l #	97
35) Methacrylonitrile	7.777	41	27030	20.039	ug/l	93
36) 1,2-Dichloroethane	8.665	62	54876	19.646	ug/l	99
37) Trichloroethene	9.347	130	38098	19.498	ug/l	95
38) Methylcyclohexane	9.600	83	53887	18.974	ug/l	96
39) 1,2-Dichloropropane	9.618	63	38165	19.203	ug/l	89
40) Dibromomethane	9.706	93	28463	19.966	ug/l	98
41) Bromodichloromethane	9.888	83	61025	20.024	ug/l	92
42) Vinyl Acetate	6.600	43	445381	106.188	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	49449	20.734	ug/l #	92
44) Isopropyl Acetate	8.683	43	85730	20.685	ug/l	97
45) 1,4-Dioxane	9.694	88	14082	407.451	ug/l #	92
46) Methyl methacrylate	9.677	41	37774	19.915	ug/l	93
47) n-amyl Acetate	12.488	43	69551	19.945	ug/l	98
48) t-1,3-Dichloropropene	10.835	75	59485	19.884	ug/l	100
49) cis-1,3-Dichloropropene	10.306	75	64591	19.833	ug/l	97
50) 1,1,2-Trichloroethane	11.012	97	37876	19.717	ug/l #	93
51) Ethyl methacrylate	10.871	69	59503	20.365	ug/l	90
52) 1,3-Dichloropropane	11.159	76	65044	20.232	ug/l	98
53) Dibromochloromethane	11.359	129	46465	19.848	ug/l	96
54) 1,2-Dibromoethane	11.465	107	38069	19.669	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	157517	116.053	ug/l	100
56) Bromoform	12.576	173	31005	19.753	ug/l #	97
58) 4-Methyl-2-Pentanone	10.441	43	251194	103.526	ug/l	98
59) 2-Hexanone	11.194	43	189877	103.278	ug/l	97
61) Tetrachloroethene	11.100	164	35715	19.837	ug/l	95
62) Toluene	10.630	91	169444	19.542	ug/l	100
64) Chlorobenzene	11.888	112	105294	19.669	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	41250	20.641	ug/l	93
66) Ethyl Benzene	11.959	91	180260	19.592	ug/l	95
67) m/p-Xylenes	12.071	106	139966	39.552	ug/l	99
68) o-Xylene	12.394	106	67500	20.311	ug/l	98
69) Styrene	12.406	104	113349	20.099	ug/l	100
70) Isopropylbenzene	12.694	105	170936	19.942	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	53129	20.363	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	42929m	16.657	ug/l	
73) Bromobenzene	12.976	156	43049	20.050	ug/l	99
74) n-propylbenzene	13.035	91	197415	19.157	ug/l	99
75) 2-Chlorotoluene	13.123	91	126567	19.864	ug/l	99
76) 1,3,5-Trimethylbenzene	13.171	105	143813	19.583	ug/l	98
77) t-1,4-Dichloro-2-butene	12.729	75	19066	20.358	ug/l	92
78) 4-Chlorotoluene	13.218	91	126224	19.518	ug/l	100
79) tert-butylbenzene	13.435	119	119154	19.754	ug/l	98
80) 1,2,4-Trimethylbenzene	13.476	105	145777	20.096	ug/l	99
81) sec-Butylbenzene	13.618	105	169356	19.763	ug/l	98
82) p-Isopropyltoluene	13.723	119	140763	19.813	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	77122	19.578	ug/l	100
84) 1,4-Dichlorobenzene	13.812	146	76595	19.952	ug/l	99
85) n-Butylbenzene	14.053	91	114947	19.288	ug/l	99
86) Hexachloroethane	14.335	117	27662	19.558	ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	75009	20.174	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11257	21.598	ug/l	99
89) 1,2,4-Trichlorobenzene	15.841	180	37581	20.638	ug/l	96
90) Hexachlorobutadiene	15.500	225	19537	20.647	ug/l	96
91) Naphthalene	15.635	128	116630	20.616	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	37581	20.638	ug/l	96

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

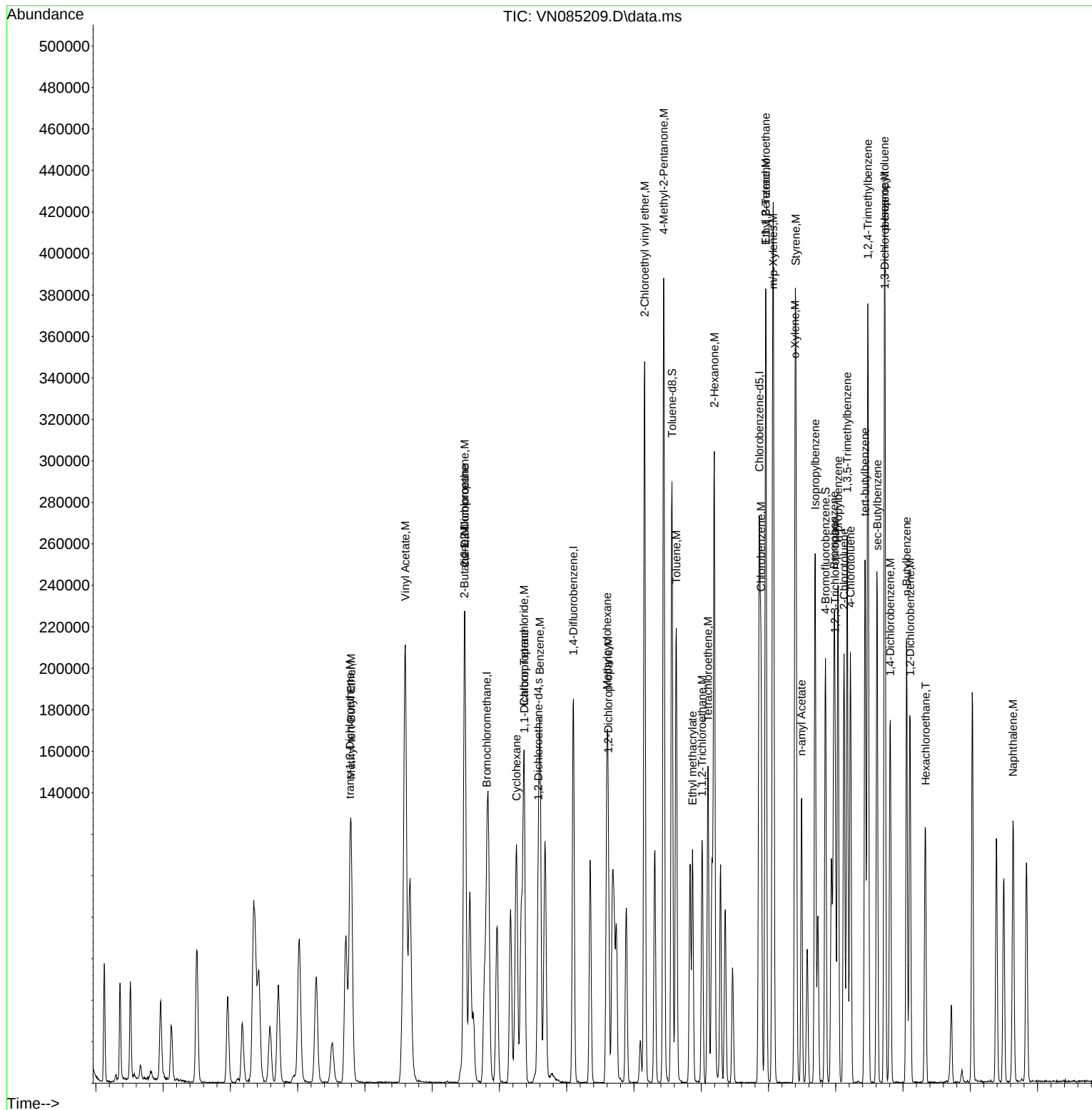
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
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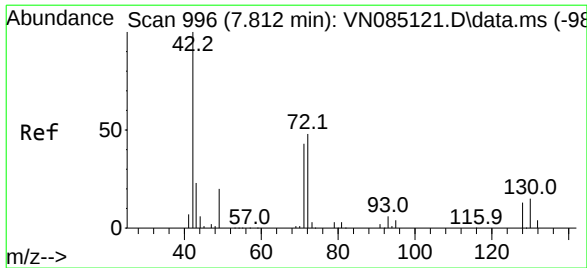
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

Reviewed By : John Carlone 12/16/2024
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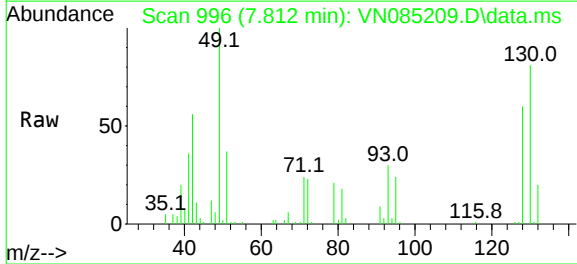
Quant Time: Dec 16 12:21:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

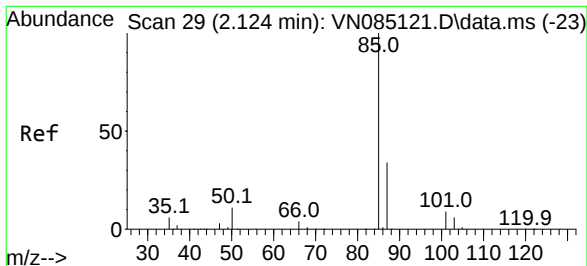
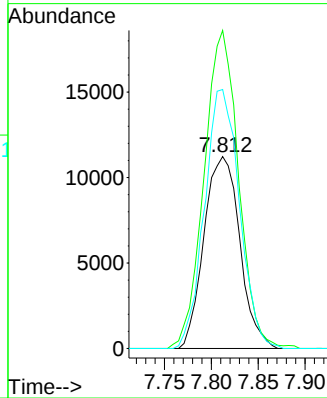
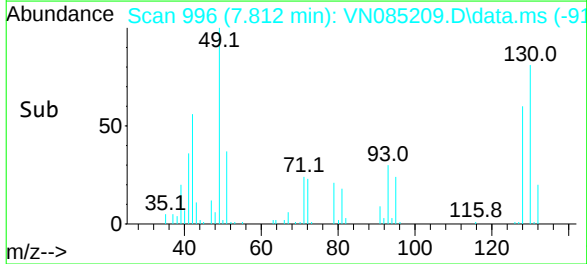
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01



Tgt Ion: 128 Resp: 29855
Ion Ratio Lower Upper
128 100
49 158.9 0.0 394.5
130 131.8 0.0 316.5

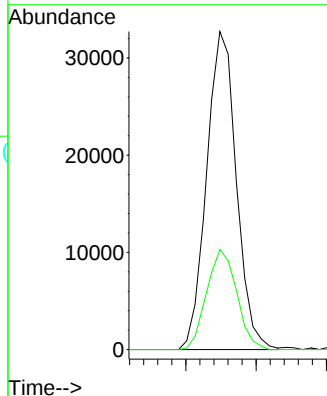
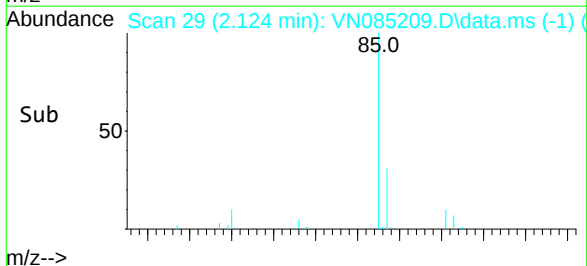
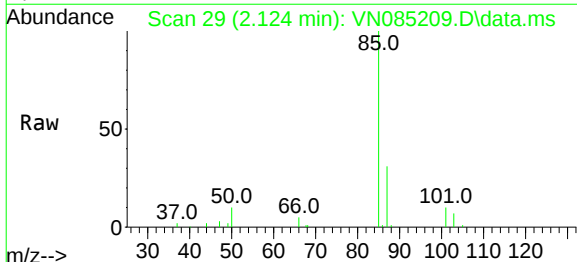
Manual Integrations
APPROVED

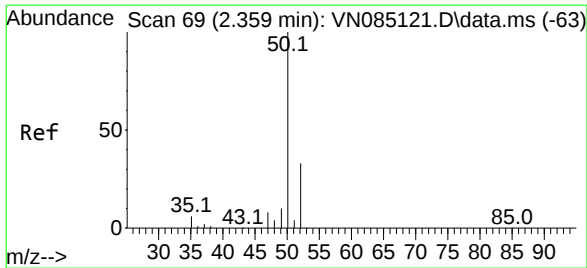
Reviewed By : John Carlone 12/16/2024
Supervised By : Mahesh Dadoda 12/17/2024



#2
Dichlorodifluoromethane
Concen: 20.136 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

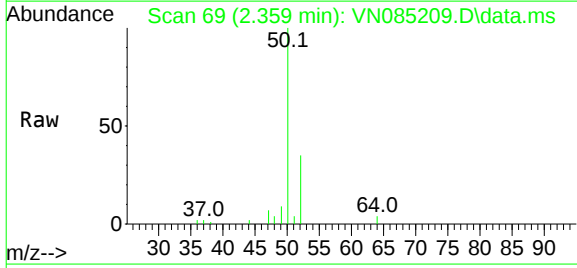
Tgt Ion: 85 Resp: 48095
Ion Ratio Lower Upper
85 100
87 31.5 16.8 50.3





#3
Chloromethane
Concen: 19.083 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

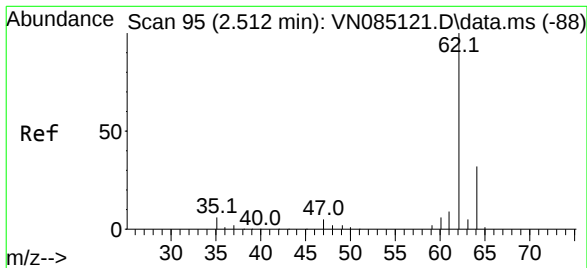
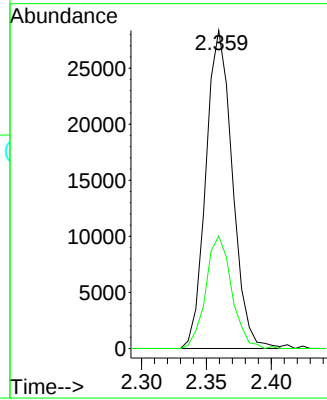
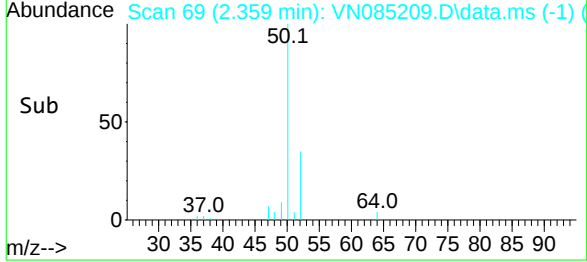
Instrument :
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ClientSampleId :
VN1216WBSD01



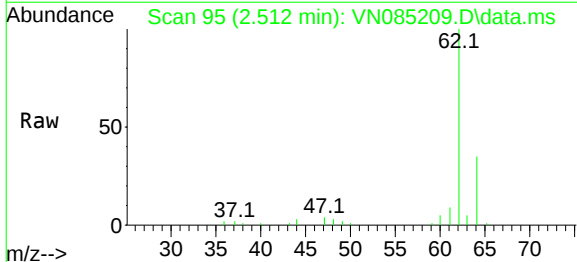
Tgt Ion: 50 Resp: 40344
Ion Ratio Lower Upper
50 100
52 35.3 25.0 37.4

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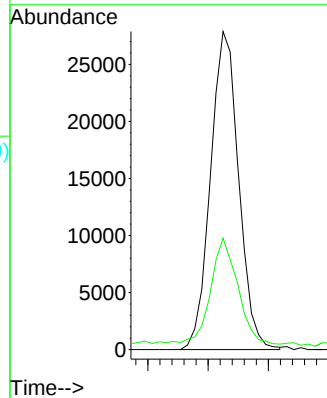
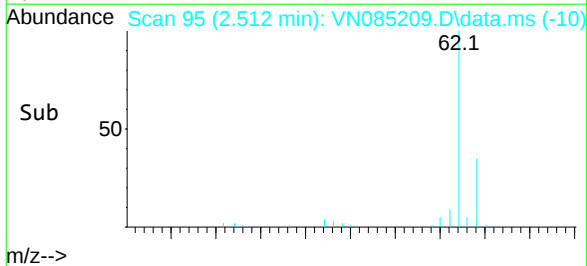
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

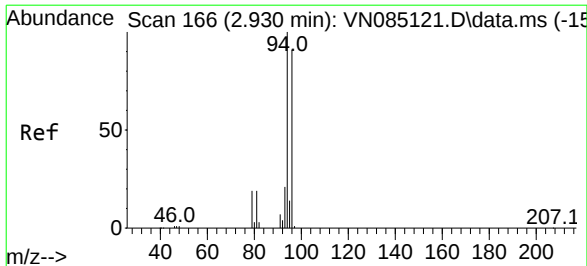


#4
Vinyl Chloride
Concen: 20.934 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57



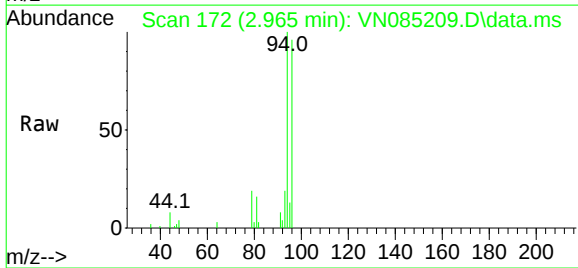
Tgt Ion: 62 Resp: 45267
Ion Ratio Lower Upper
62 100
64 33.3 24.9 37.3





#5
Bromomethane
Concen: 19.991 ug/l
RT: 2.965 min Scan# 171
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

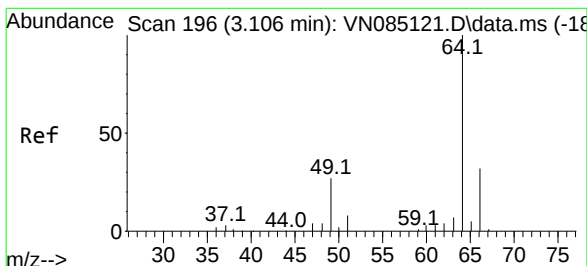
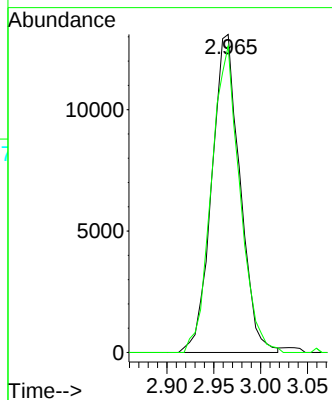
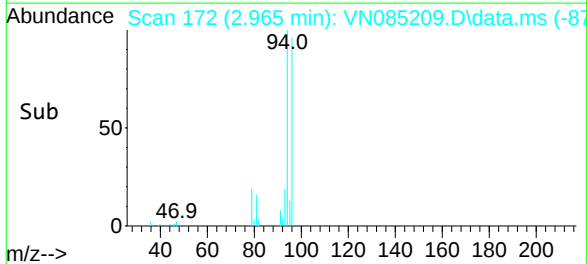
Instrument :
MSVOA_N
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Tgt Ion: 94 Resp: 27446
Ion Ratio Lower Upper
94 100
96 96.4 76.2 114.4

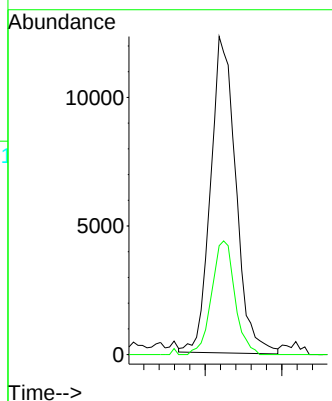
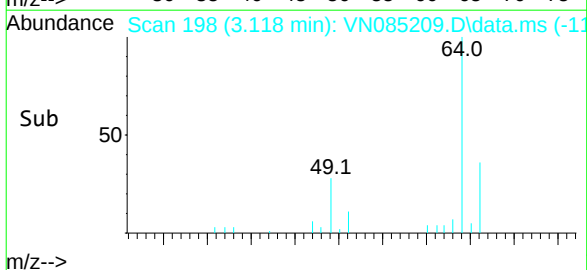
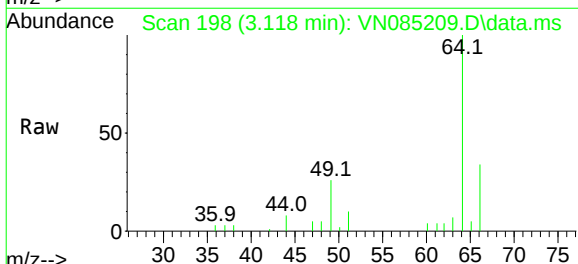
Manual Integrations
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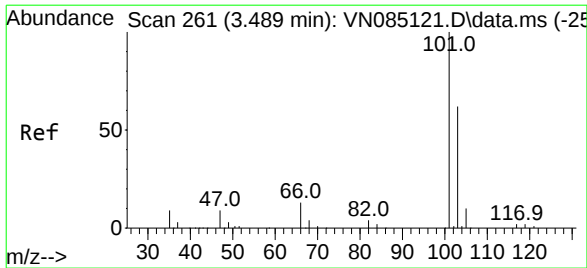
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#6
Chloroethane
Concen: 21.216 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 64 Resp: 28186
Ion Ratio Lower Upper
64 100
66 34.9 25.5 38.3





#7

Trichlorofluoromethane

Concen: 20.573 ug/l

RT: 3.501 min Scan# 261

Delta R.T. 0.000 min

Lab File: VN085209.D

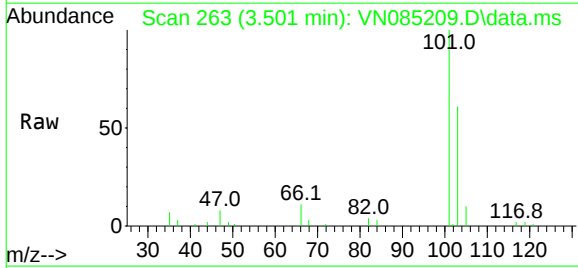
Acq: 16 Dec 2024 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBSD01



Tgt Ion:101 Resp: 72820

Ion Ratio Lower Upper

101 100

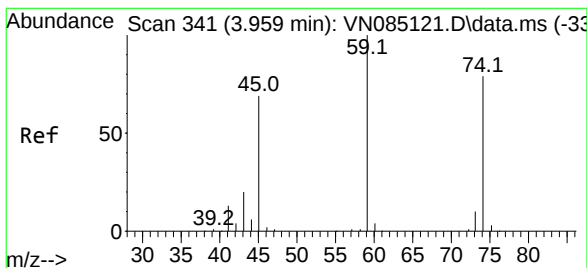
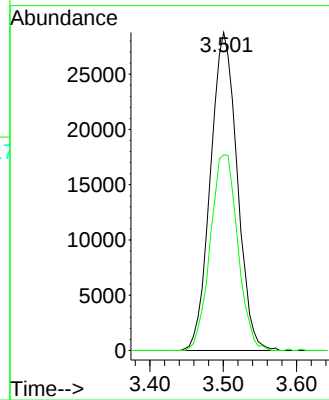
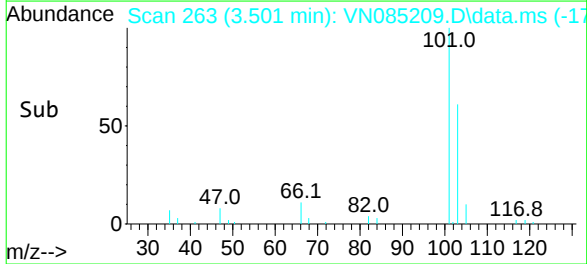
103 61.5 51.3 76.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#8

Diethyl Ether

Concen: 21.222 ug/l

RT: 3.959 min Scan# 341

Delta R.T. 0.000 min

Lab File: VN085209.D

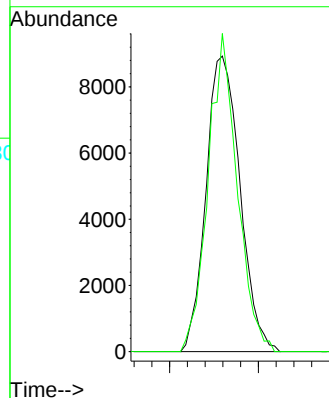
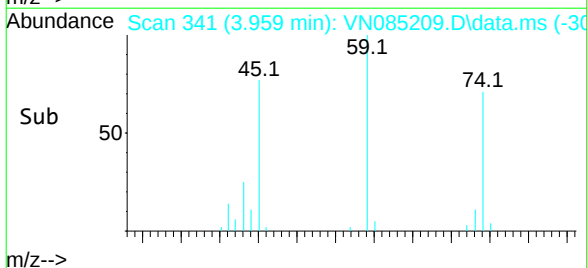
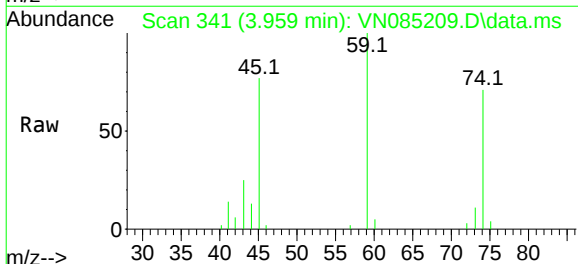
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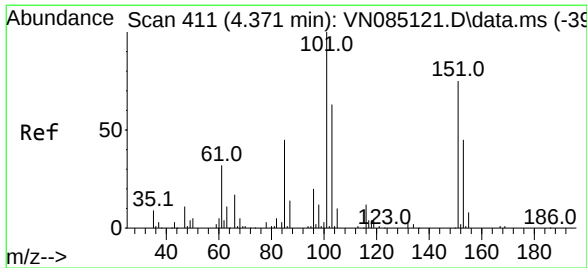
Tgt Ion: 74 Resp: 23793

Ion Ratio Lower Upper

74 100

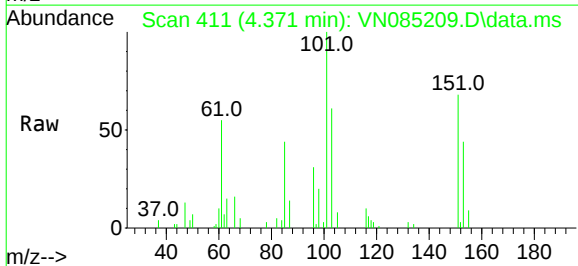
45 92.1 18.6 167.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.912 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN085209.D
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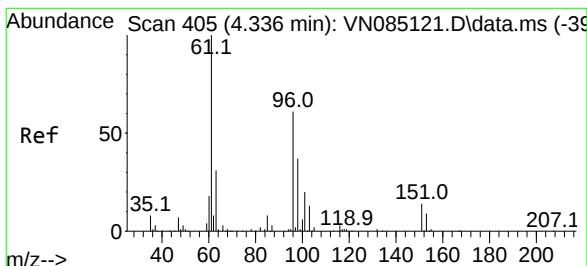
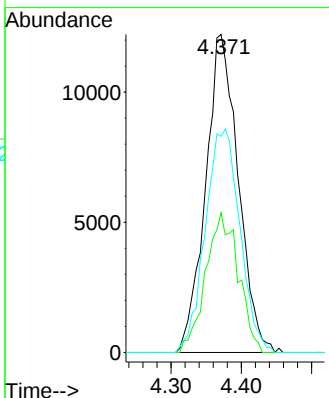
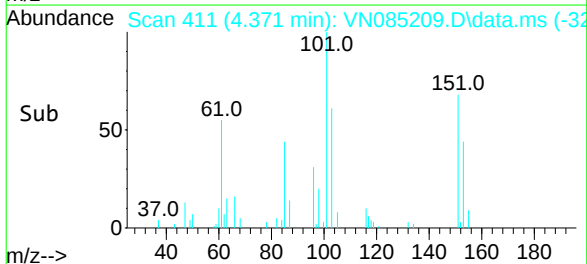
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01



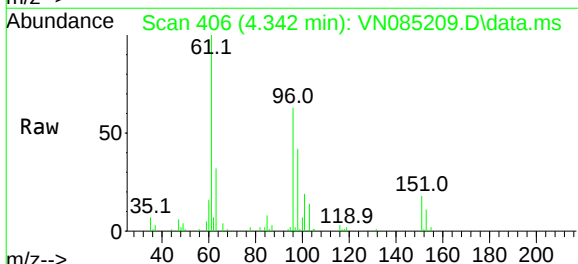
Tgt Ion: 101 Resp: 39414
Ion Ratio Lower Upper
101 100
85 27.1 0.0 88.6
151 74.7 0.0 155.8

Manual Integrations
APPROVED

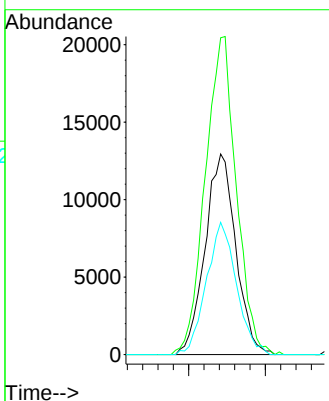
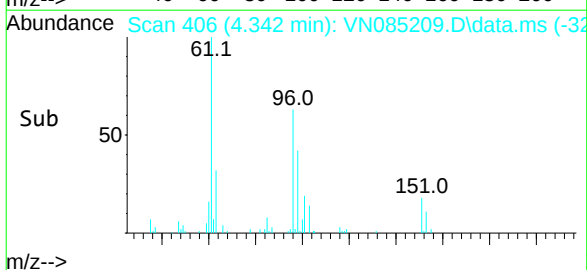
Reviewed By : John Carlone 12/16/2024
Supervised By : Mahesh Dadoda 12/17/2024

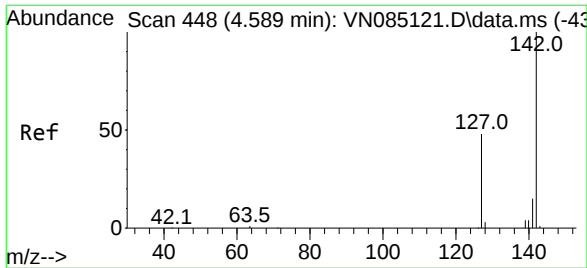


#10
1,1-Dichloroethene
Concen: 19.853 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57



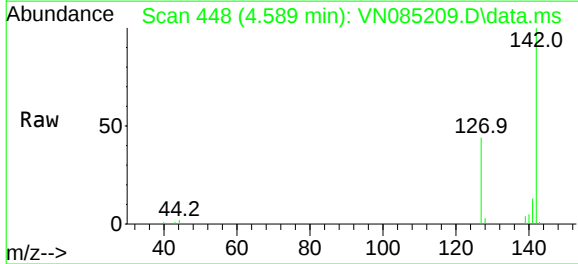
Tgt Ion: 96 Resp: 36096
Ion Ratio Lower Upper
96 100
61 157.9 123.0 184.4
98 65.9 49.1 73.7





#11
Methyl Iodide
Concen: 18.268 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

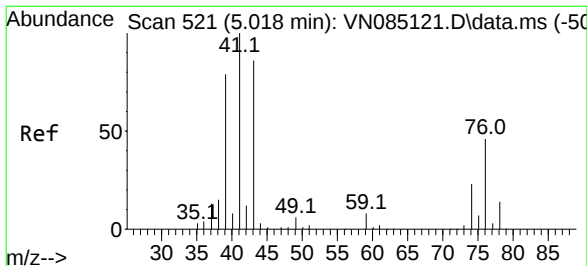
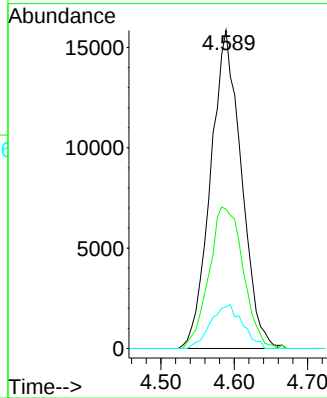
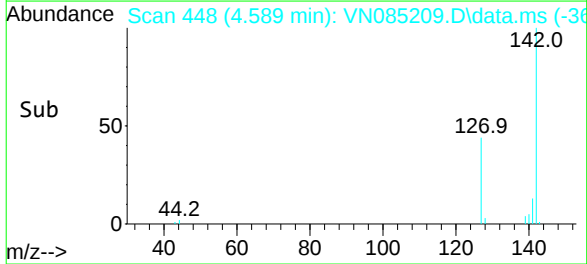
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01



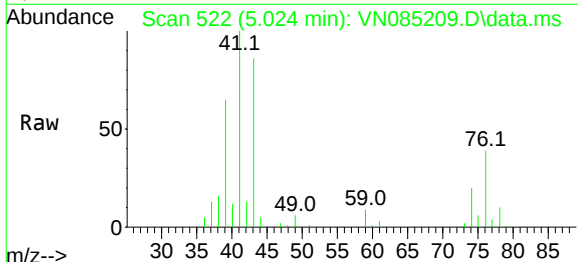
Tgt Ion: 142 Resp: 46064
Ion Ratio Lower Upper
142 100
127 44.0 22.5 67.5
141 13.2 8.3 24.9

Manual Integrations
APPROVED

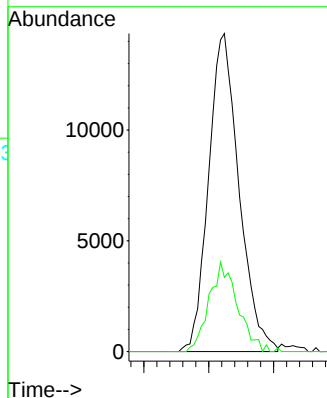
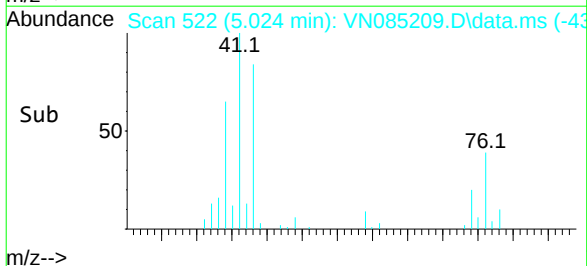
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

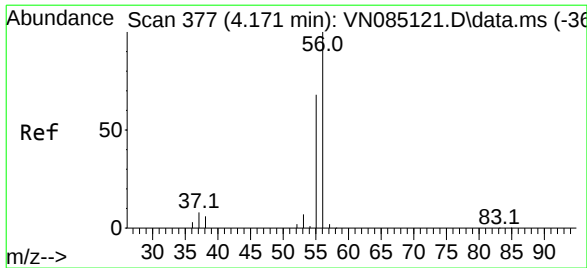


#12
Methyl Acetate
Concen: 21.790 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57



Tgt Ion: 43 Resp: 46738
Ion Ratio Lower Upper
43 100
74 22.9 19.8 29.6





#13

Acrolein

Concen: 114.765 ug/l

RT: 4.177 min Scan# 37

Delta R.T. -0.006 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBSD01

Tgt Ion: 56 Resp: 35773

Ion Ratio Lower Upper

56 100

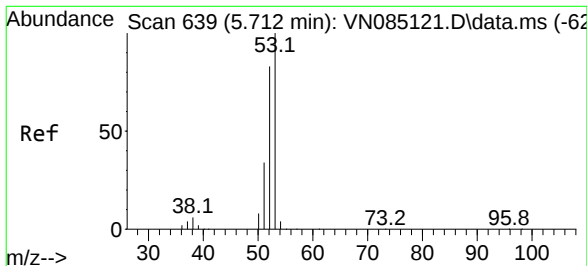
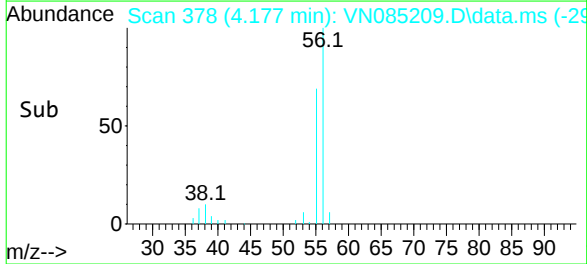
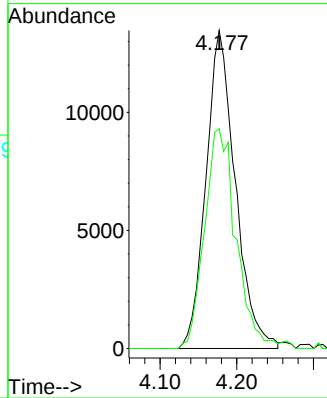
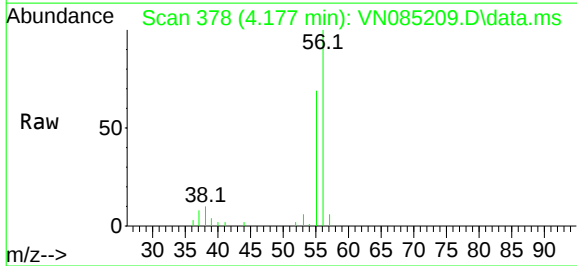
55 73.0 59.4 89.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#14

Acrylonitrile

Concen: 102.973 ug/l

RT: 5.718 min Scan# 640

Delta R.T. 0.000 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

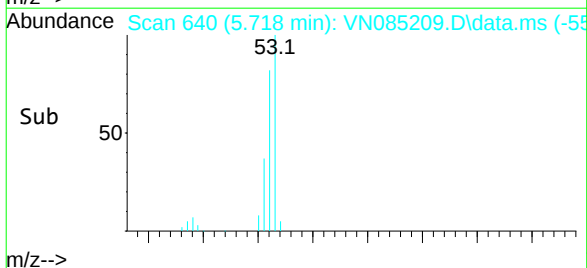
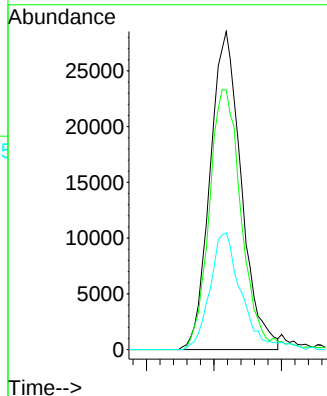
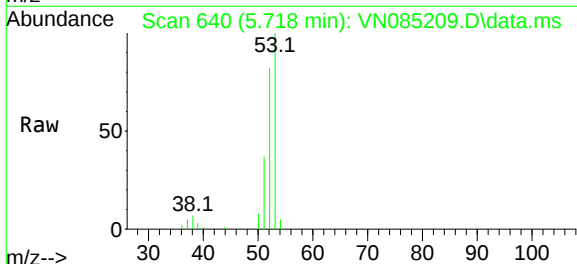
Tgt Ion: 53 Resp: 91712

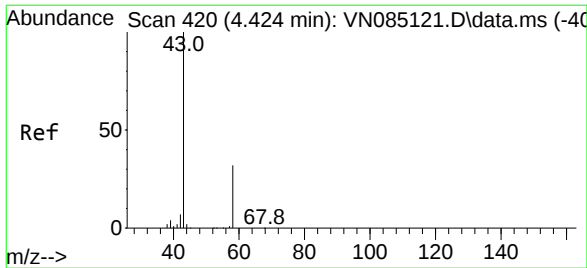
Ion Ratio Lower Upper

53 100

52 82.4 42.9 128.5

51 36.2 17.2 51.5





#15

Acetone

Concen: 120.730 ug/l

RT: 4.424 min Scan# 420

Delta R.T. 0.000 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBSD01

Tgt Ion: 58 Resp: 29139

Ion Ratio Lower Upper

58 100

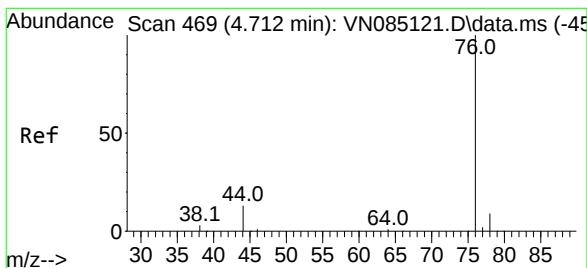
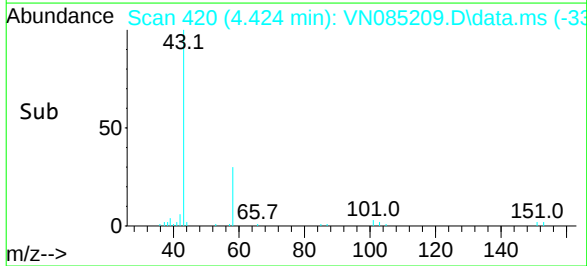
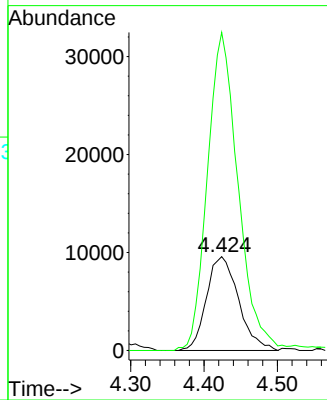
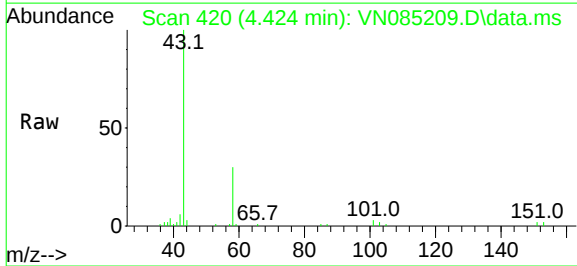
43 335.6 242.3 363.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#16

Carbon Disulfide

Concen: 19.385 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN085209.D

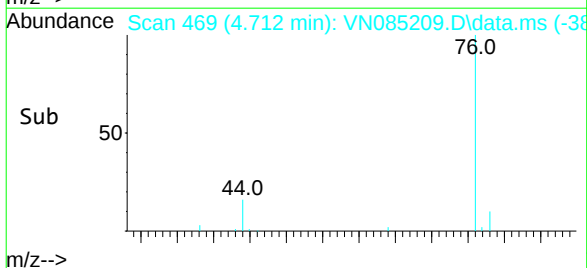
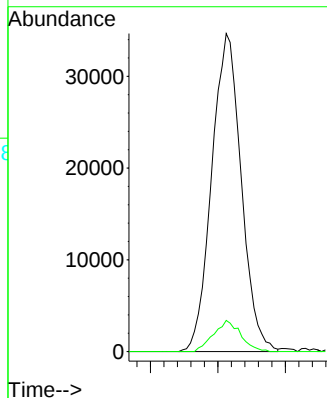
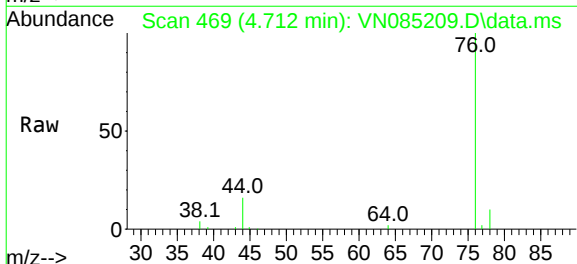
Acq: 16 Dec 2024 10:57

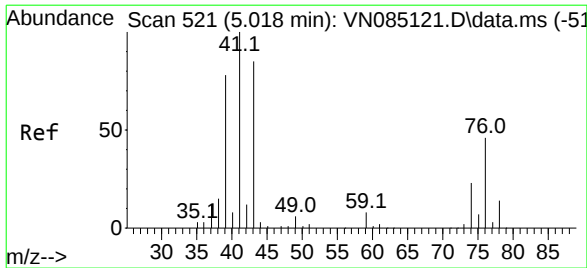
Tgt Ion: 76 Resp: 105348

Ion Ratio Lower Upper

76 100

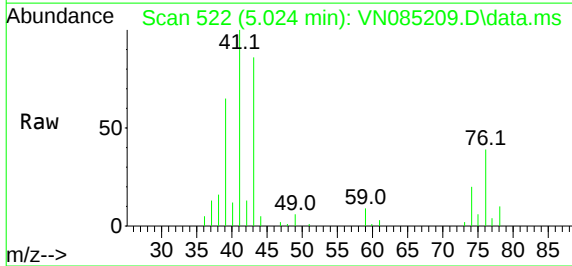
78 9.8 7.1 10.7





#17
Allyl chloride
Concen: 20.184 ug/l
RT: 5.024 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

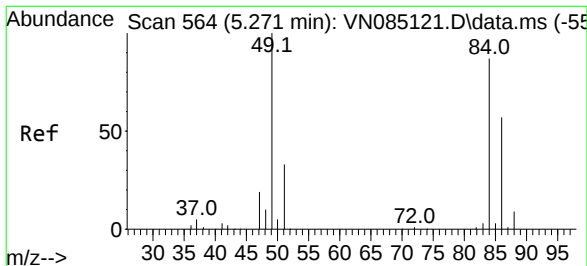
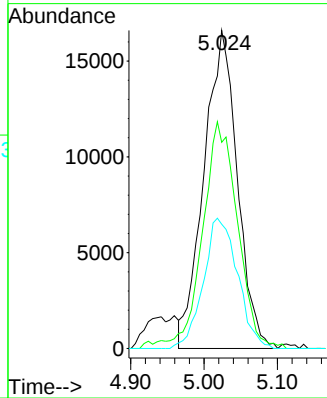
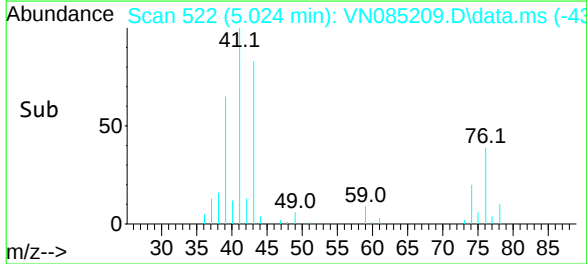
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01



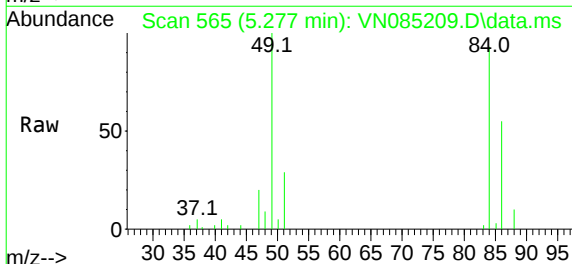
Tgt Ion: 41 Resp: 52512
Ion Ratio Lower Upper
41 100
39 63.8 32.0 96.2
76 39.1 20.2 60.5

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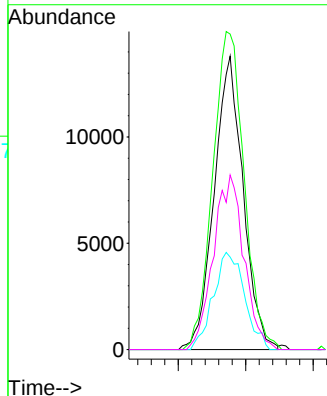
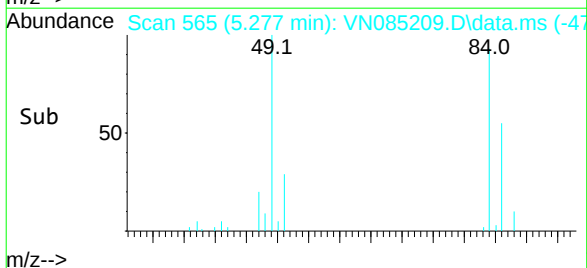
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

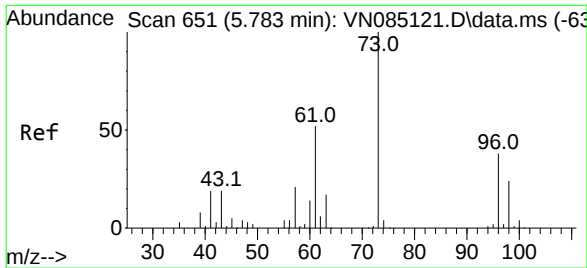


#18
Methylene Chloride
Concen: 19.976 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57



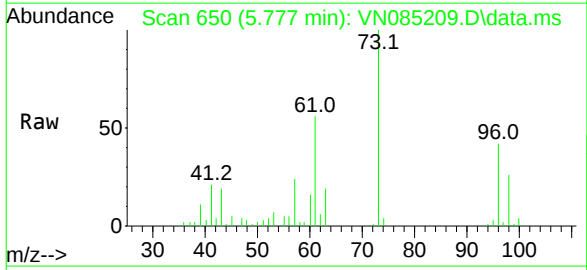
Tgt Ion: 84 Resp: 41210
Ion Ratio Lower Upper
84 100
49 107.5 95.1 142.7
51 31.5 27.4 41.0
86 59.5 50.9 76.3





#19
trans-1,2-Dichloroethene
Concen: 19.353 ug/l
RT: 5.777 min Scan# 651
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

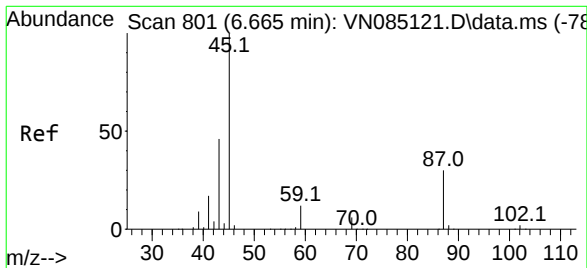
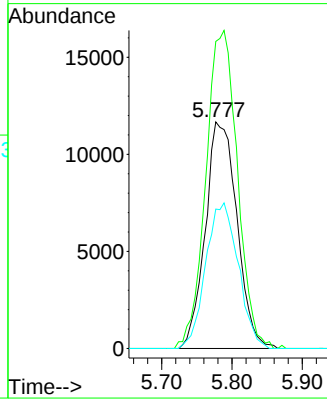
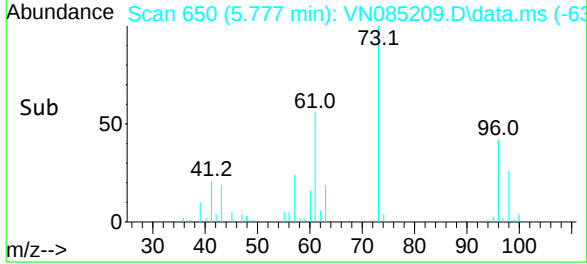
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01



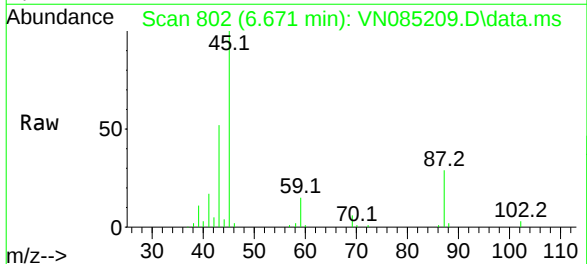
Tgt Ion: 96 Resp: 36574
Ion Ratio Lower Upper
96 100
61 135.5 100.4 150.6
98 61.5 52.6 79.0

Manual Integrations
APPROVED

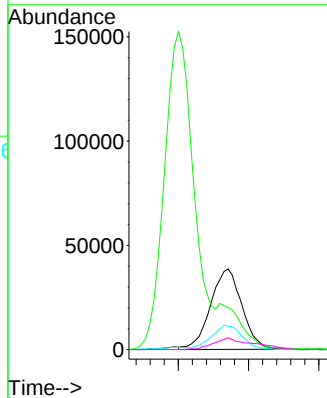
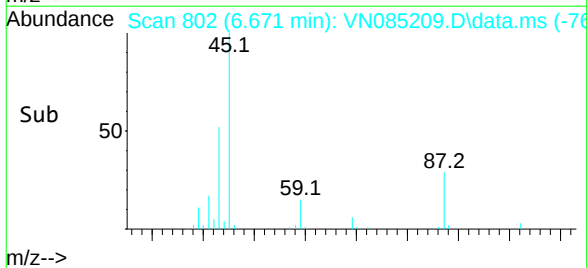
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

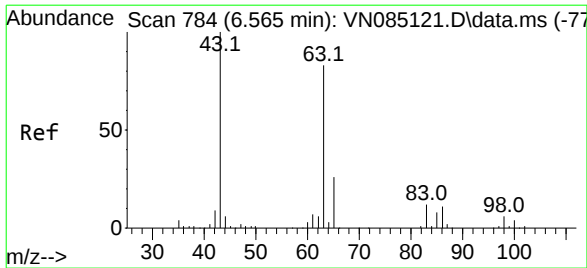


#20
Diisopropyl ether
Concen: 20.841 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57



Tgt Ion: 45 Resp: 118990
Ion Ratio Lower Upper
45 100
43 49.4 41.9 62.9
87 29.3 24.1 36.1
59 14.8 10.0 15.0





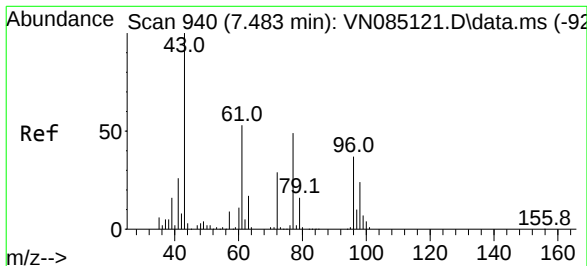
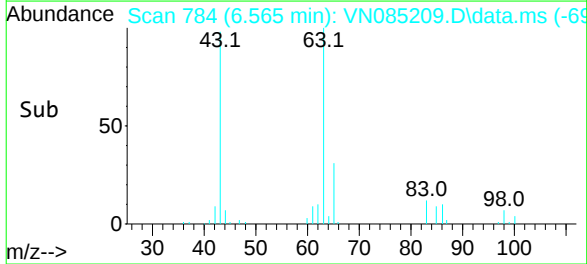
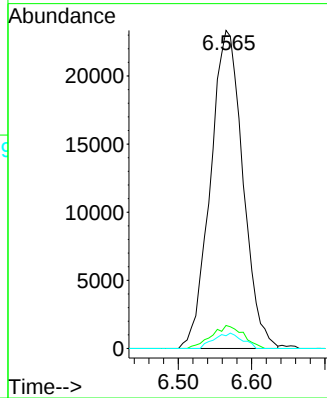
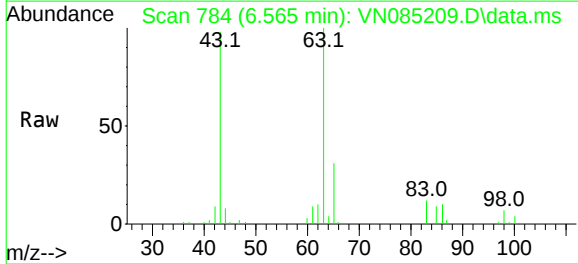
#21
1,1-Dichloroethane
Concen: 20.339 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.4
100	4.0	1.6	4.8

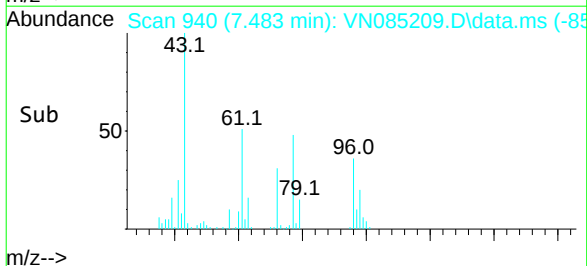
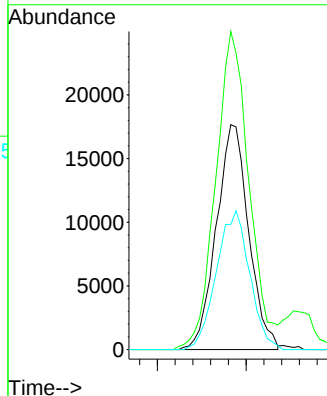
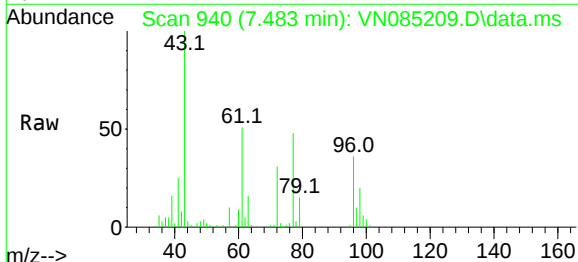
Manual Integrations
APPROVED

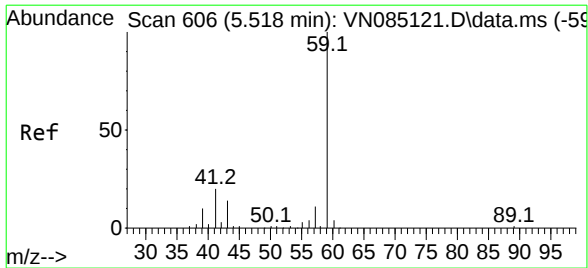
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#22
cis-1,2-Dichloroethene
Concen: 20.587 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.9	115.9	173.9
98	63.4	51.8	77.8





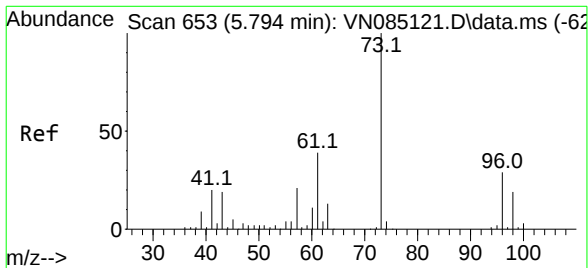
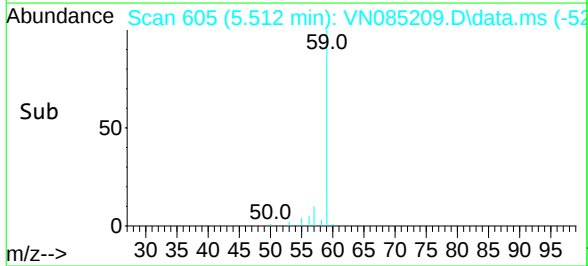
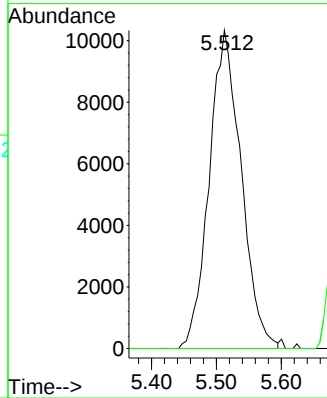
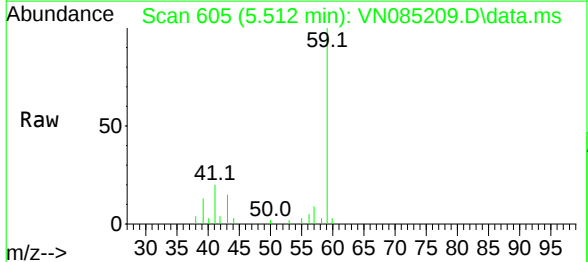
#23
tert-Butyl Alcohol
Concen: 110.664 ug/l
RT: 5.512 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 59 Resp: 35358
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

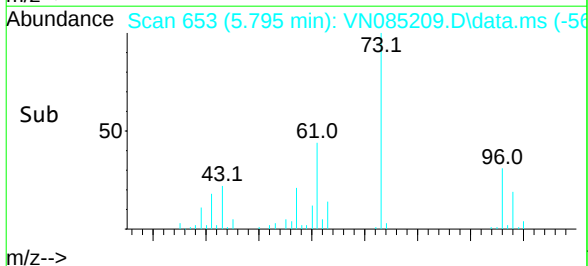
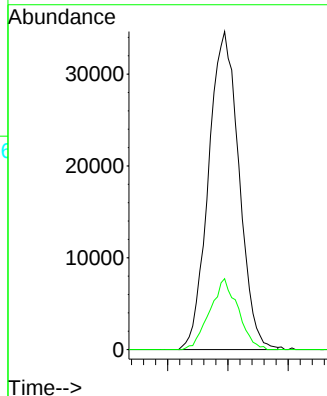
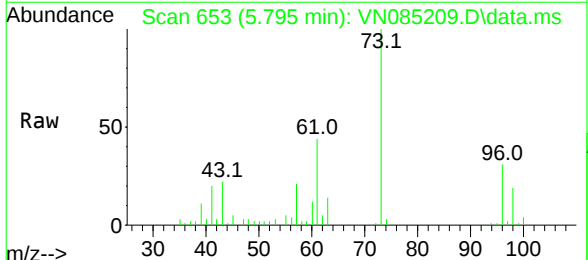
Manual Integrations
APPROVED

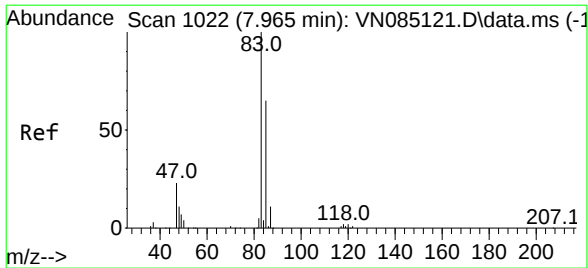
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#24
Methyl tert-Butyl Ether
Concen: 21.432 ug/l
RT: 5.795 min Scan# 653
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 73 Resp: 121741
Ion Ratio Lower Upper
73 100
43 20.7 8.7 13.1#





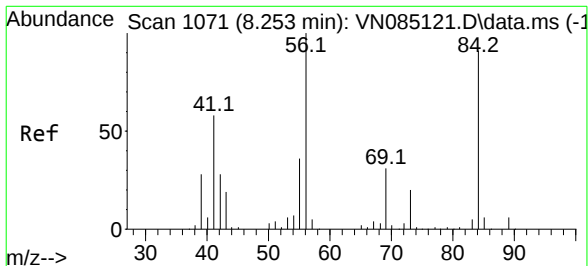
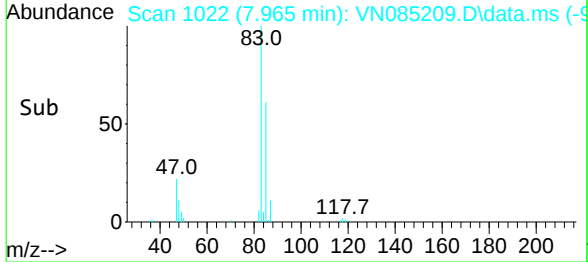
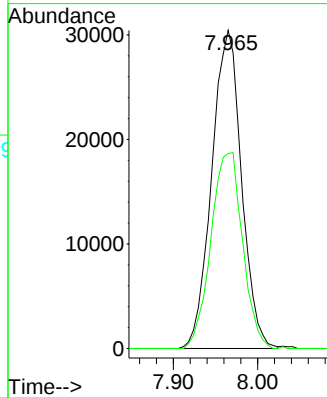
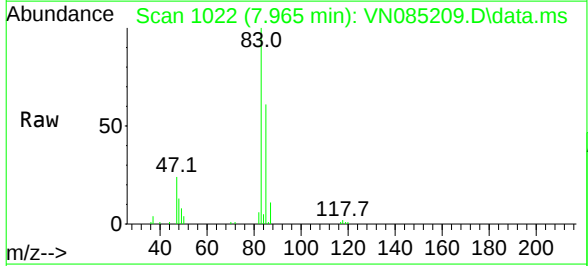
#25
Chloroform
Concen: 20.218 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 83 Resp: 74641
Ion Ratio Lower Upper
83 100
85 61.4 49.4 74.0

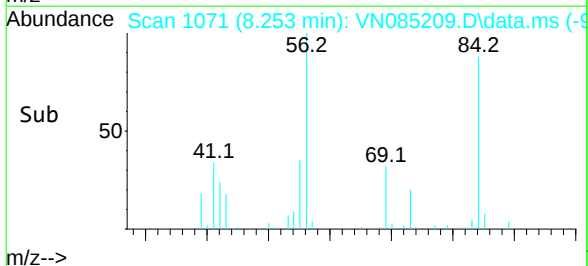
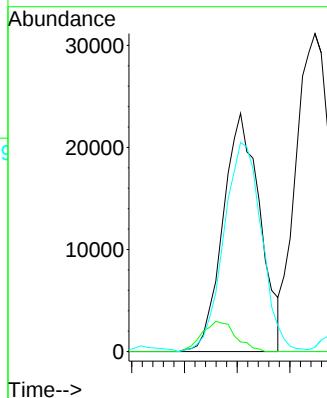
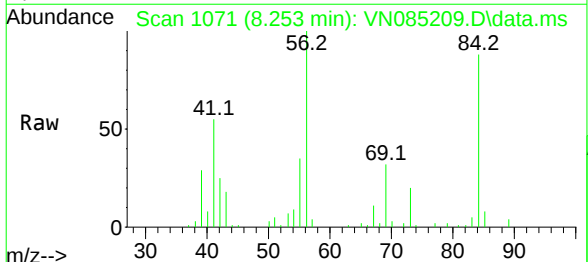
Manual Integrations
APPROVED

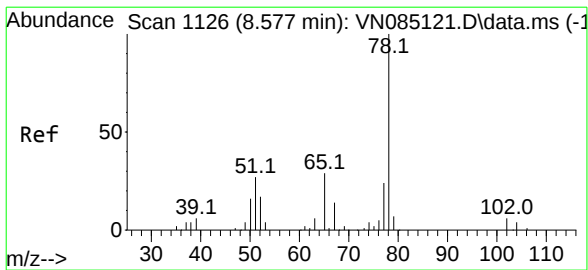
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#26
Cyclohexane
Concen: 19.610 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 56 Resp: 56899
Ion Ratio Lower Upper
56 100
89 11.6 19.5 29.3#
84 89.9 70.6 105.8





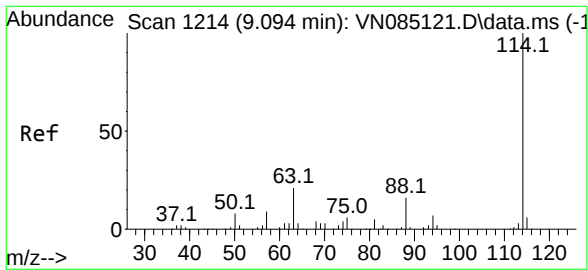
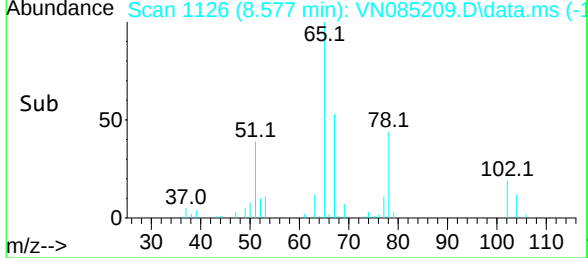
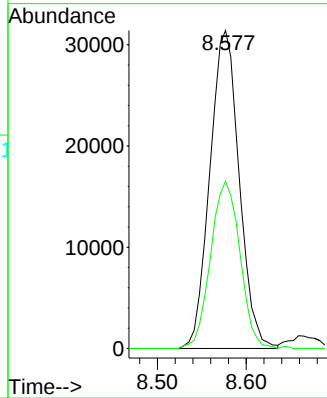
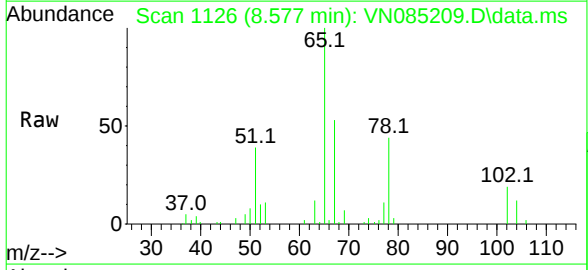
#27
1,2-Dichloroethane-d4
Concen: 30.408 ug/l
RT: 8.577 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 65 Resp: 72034
Ion Ratio Lower Upper
65 100
67 52.5 39.9 59.9

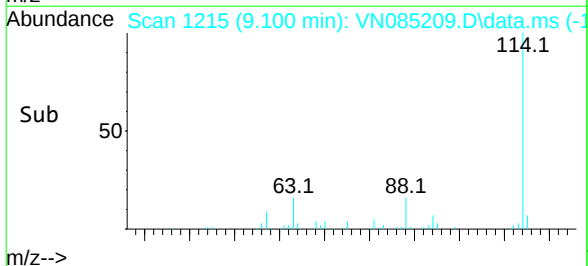
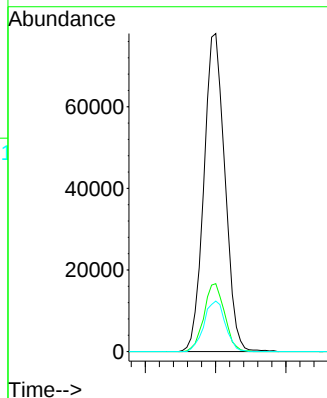
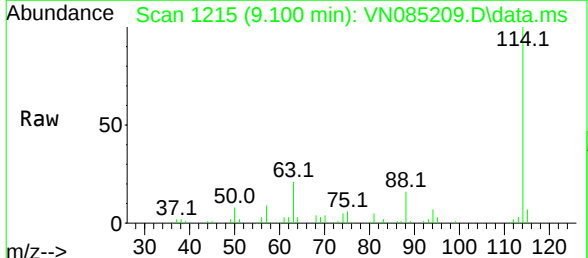
Manual Integrations
APPROVED

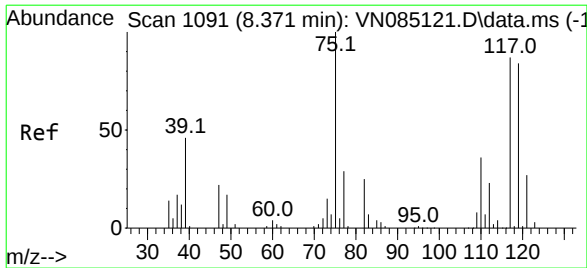
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:114 Resp: 161867
Ion Ratio Lower Upper
114 100
63 21.0 16.2 24.2
88 16.2 12.5 18.7





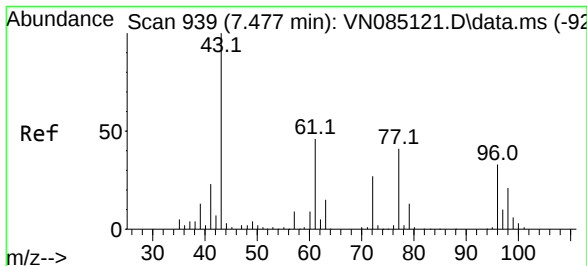
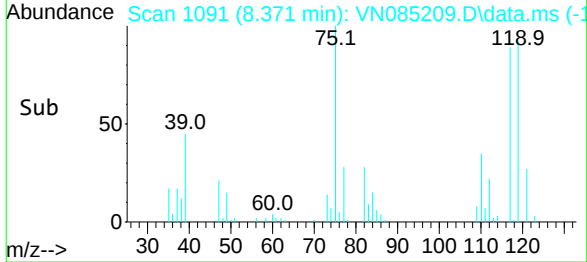
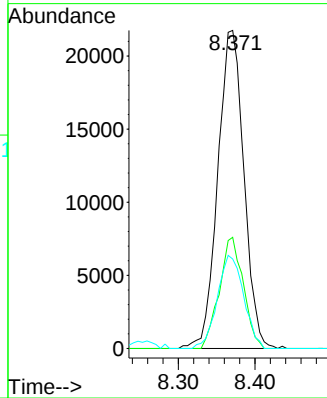
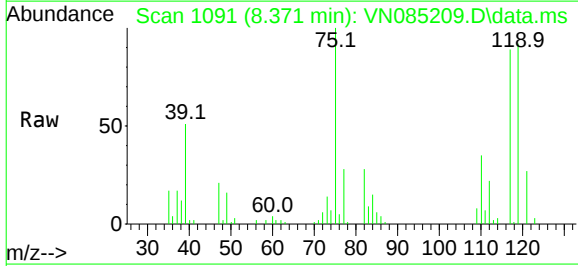
#29
1,1-Dichloropropene
Concen: 19.659 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:	75	Resp:	51348
Ion	Ratio	Lower	Upper
75	100		
110	32.1	0.0	71.6
77	29.5	0.0	62.2

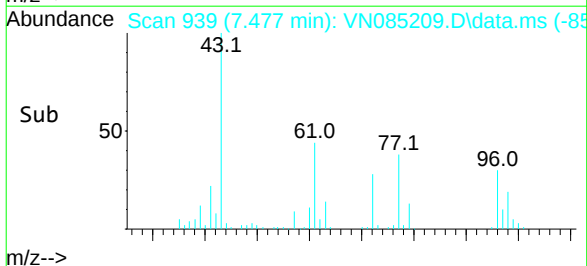
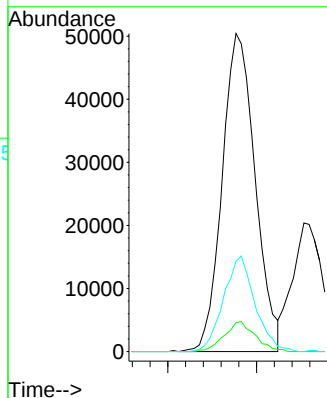
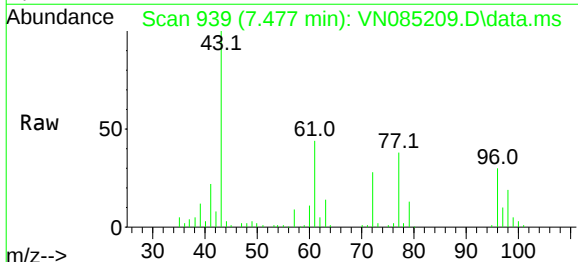
Manual Integrations
APPROVED

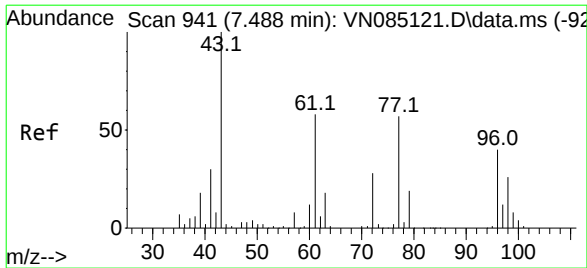
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#30
2-Butanone
Concen: 108.562 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:	43	Resp:	130125
Ion	Ratio	Lower	Upper
43	100		
57	8.9	6.9	10.3
72	28.6	21.8	32.8





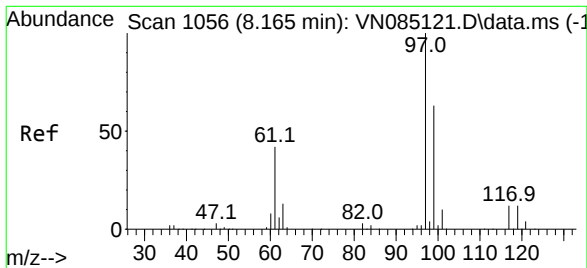
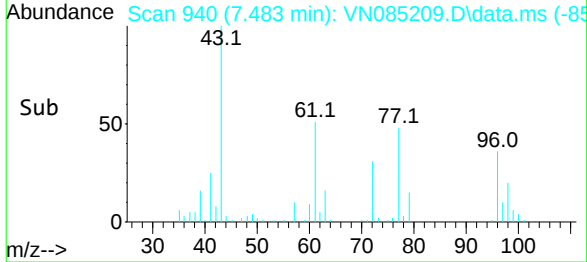
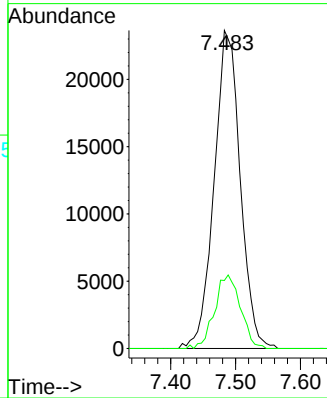
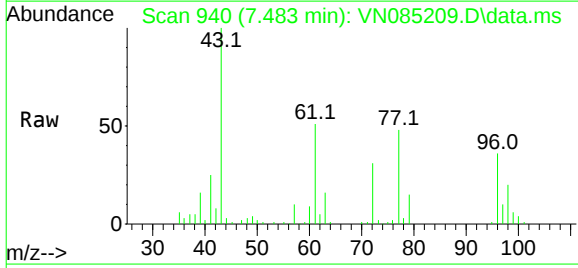
#31
2,2-Dichloropropane
Concen: 19.694 ug/l
RT: 7.483 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 77 Resp: 65963
Ion Ratio Lower Upper
77 100
97 22.8 0.0 0.0#

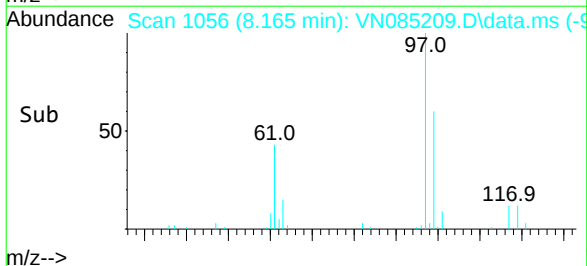
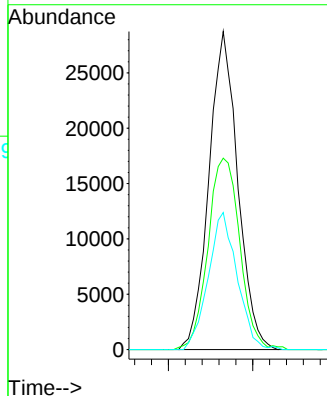
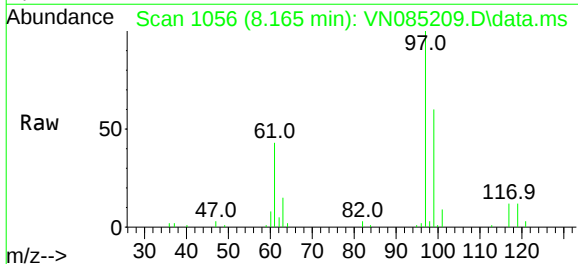
Manual Integrations
APPROVED

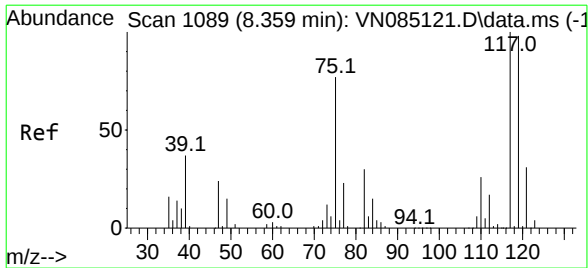
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#32
1,1,1-Trichloroethane
Concen: 19.342 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

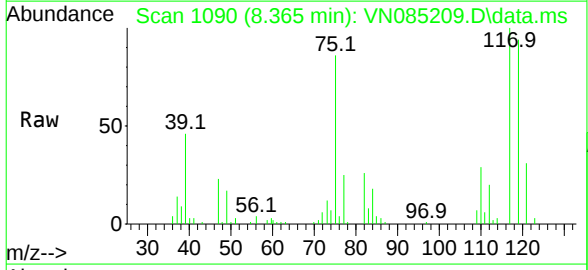
Tgt Ion: 97 Resp: 68382
Ion Ratio Lower Upper
97 100
99 66.0 50.8 76.2
61 43.0 32.7 49.1





#33
Carbon Tetrachloride
Concen: 19.398 ug/l
RT: 8.365 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

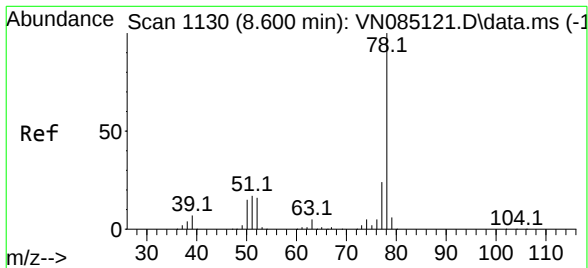
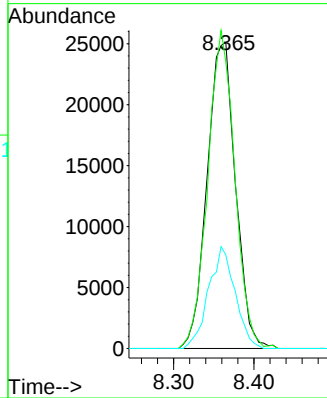
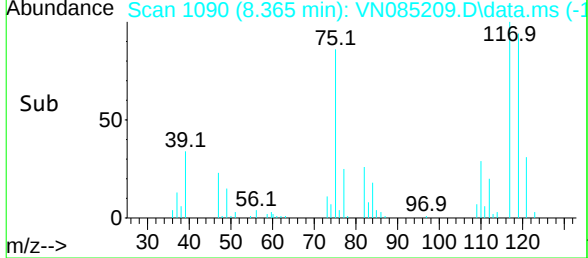
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01



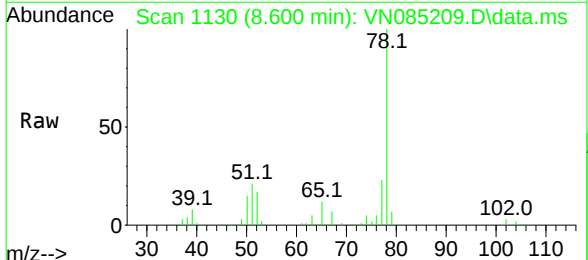
Tgt Ion: 117 Resp: 61882
Ion Ratio Lower Upper
117 100
119 93.6 81.6 122.4
121 30.6 26.5 39.7

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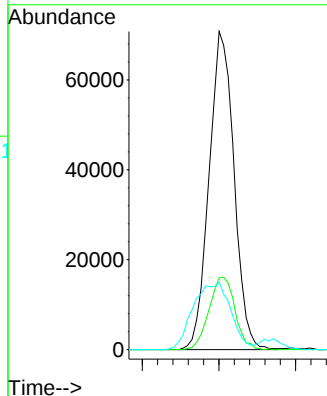
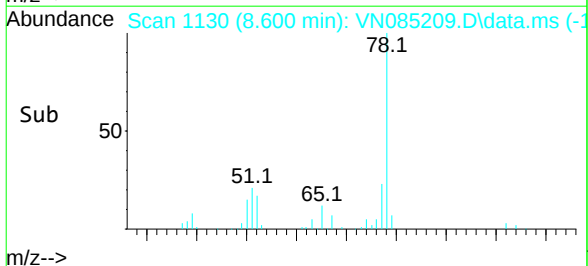
Reviewed By : John Carlone 12/16/2024
Supervised By : Mahesh Dadoda 12/17/2024

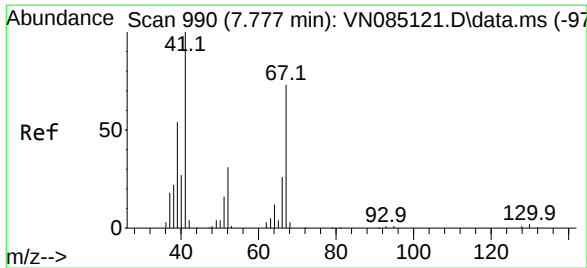


#34
Benzene
Concen: 19.479 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57



Tgt Ion: 78 Resp: 159828
Ion Ratio Lower Upper
78 100
77 22.6 18.0 27.0
51 18.8 12.4 18.6#





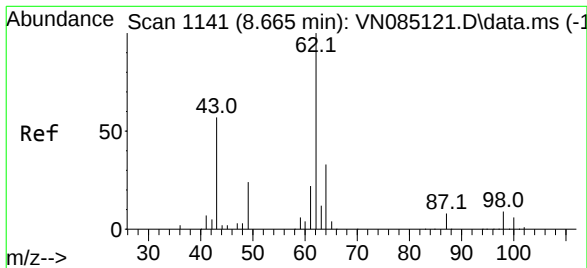
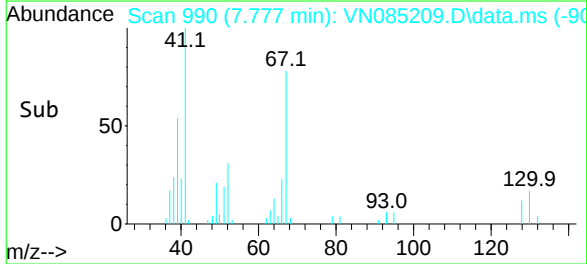
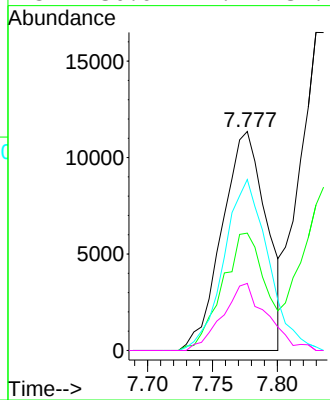
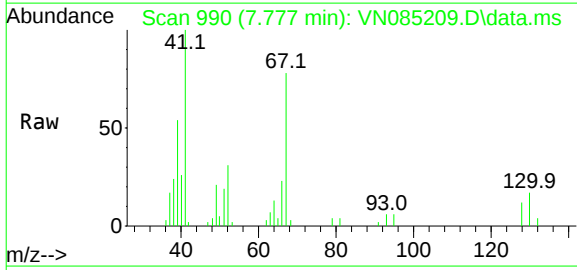
#35
Methacrylonitrile
Concen: 20.039 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:	41	Resp:	27036
Ion	Ratio	Lower	Upper
41	100		
39	53.6	24.4	73.2
67	78.1	37.0	110.9
52	30.6	12.4	37.2

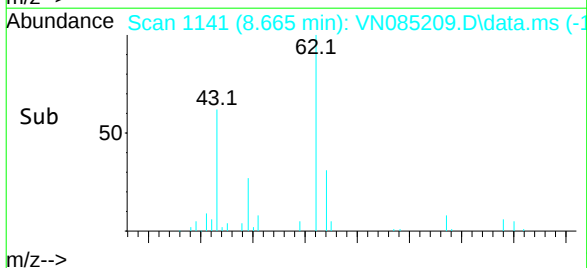
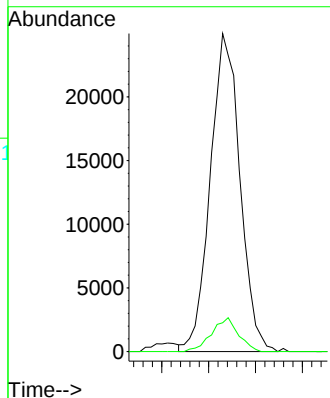
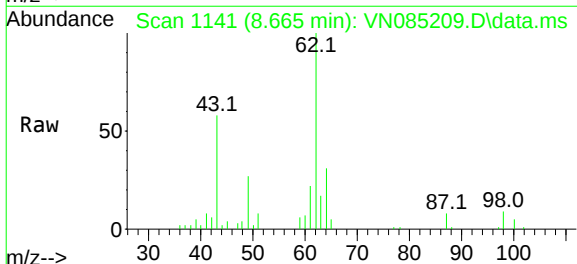
Manual Integrations
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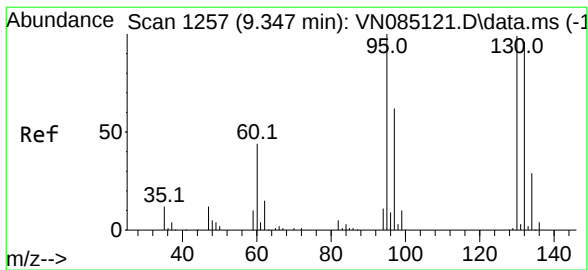
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#36
1,2-Dichloroethane
Concen: 19.646 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

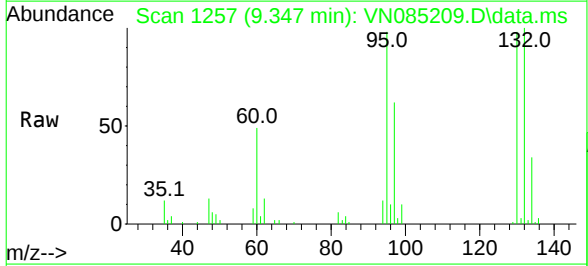
Tgt Ion:	62	Resp:	54876
Ion	Ratio	Lower	Upper
62	100		
98	9.6	7.3	10.9





#37
 Trichloroethene
 Concen: 19.498 ug/l
 RT: 9.347 min Scan# 1257
 Delta R.T. -0.006 min
 Lab File: VN085209.D
 Acq: 16 Dec 2024 10:57

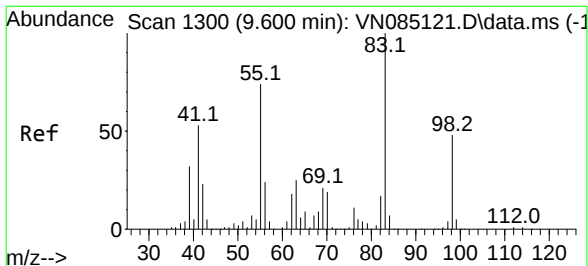
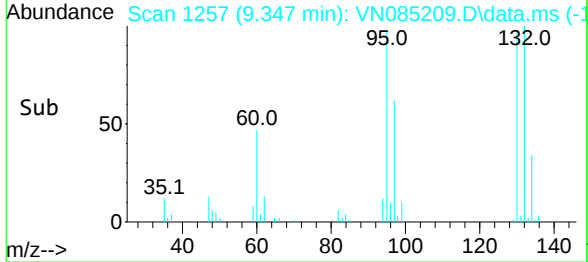
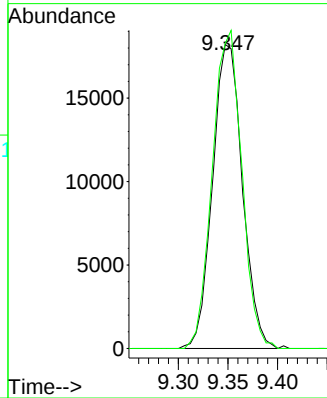
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBSD01



Tgt Ion: 130 Resp: 38098
 Ion Ratio Lower Upper
 130 100
 95 100.4 76.2 114.4

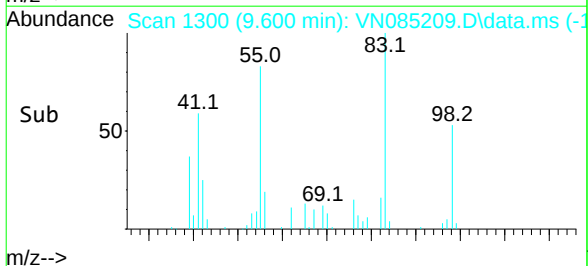
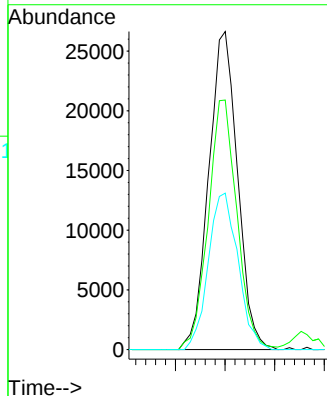
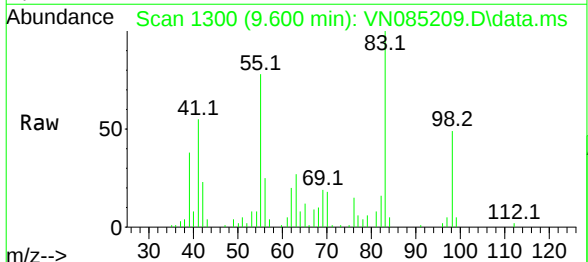
Manual Integrations
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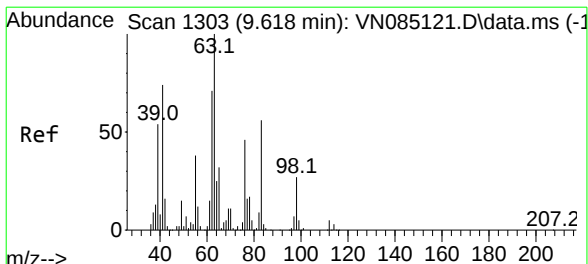
Reviewed By : John Carlone 12/16/2024
 Supervised By : Mahesh Dadoda 12/17/2024



#38
 Methylcyclohexane
 Concen: 18.974 ug/l
 RT: 9.600 min Scan# 1300
 Delta R.T. 0.000 min
 Lab File: VN085209.D
 Acq: 16 Dec 2024 10:57

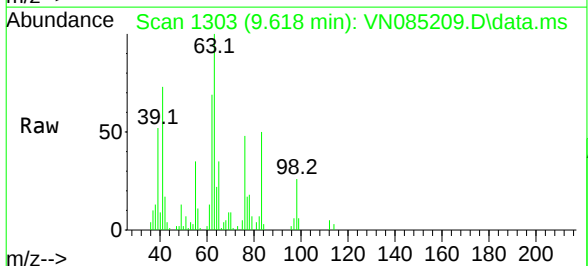
Tgt Ion: 83 Resp: 53887
 Ion Ratio Lower Upper
 83 100
 55 78.1 41.4 124.4
 98 50.6 25.7 77.1





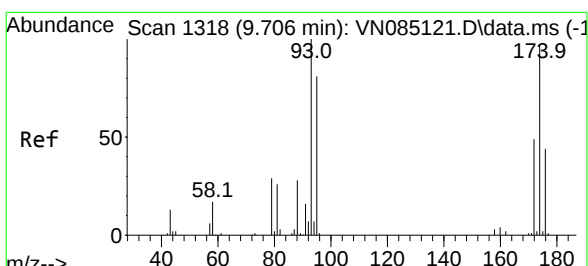
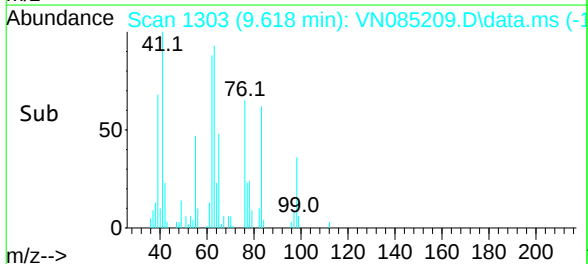
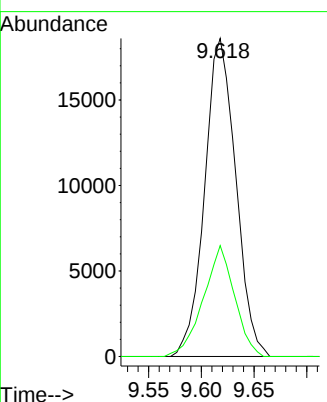
#39
 1,2-Dichloropropane
 Concen: 19.203 ug/l
 RT: 9.618 min Scan# 1303
 Delta R.T. 0.000 min
 Lab File: VN085209.D
 Acq: 16 Dec 2024 10:57

Instrument : MSVOA_N
 ClientSampleId : VN1216WBSD01



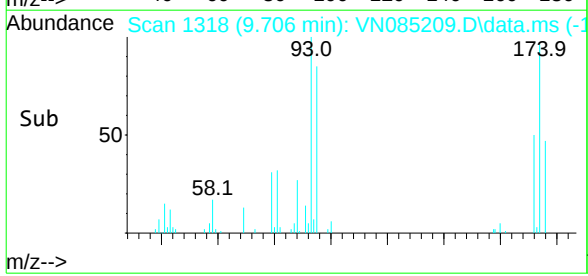
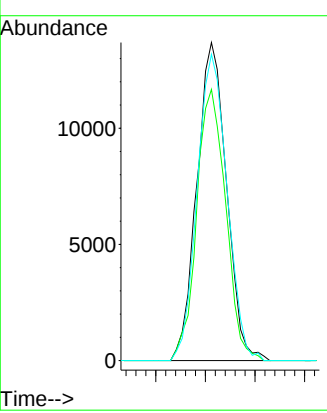
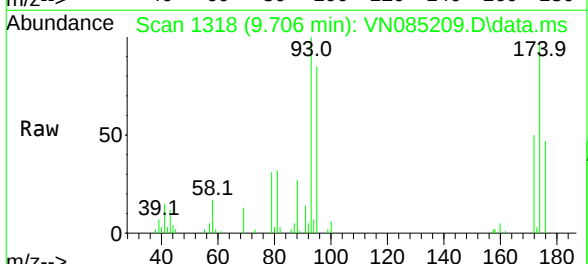
Tgt Ion:	63	Resp:	38165
Ion Ratio	Lower	Upper	
63	100		
65	34.9	23.4	35.0

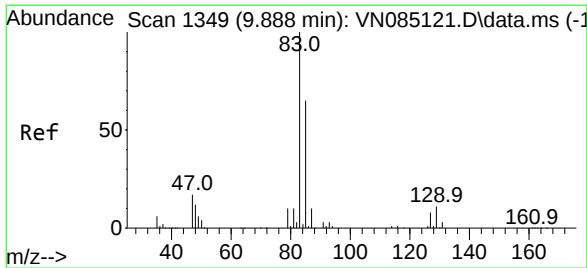
Manual Integrations
APPROVED
 Reviewed By :John Carlone 12/16/2024
 Supervised By :Mahesh Dadoda 12/17/2024



#40
 Dibromomethane
 Concen: 19.966 ug/l
 RT: 9.706 min Scan# 1318
 Delta R.T. 0.000 min
 Lab File: VN085209.D
 Acq: 16 Dec 2024 10:57

Tgt Ion:	93	Resp:	28463
Ion Ratio	Lower	Upper	
93	100		
95	83.3	0.0	169.4
174	97.0	0.0	189.8





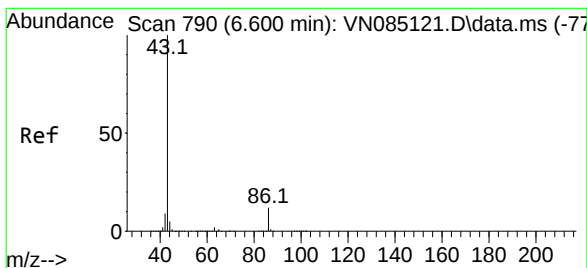
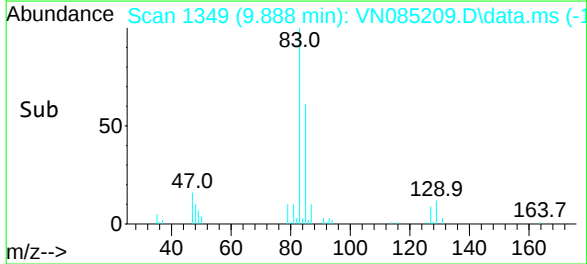
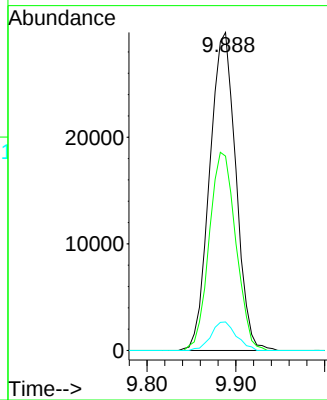
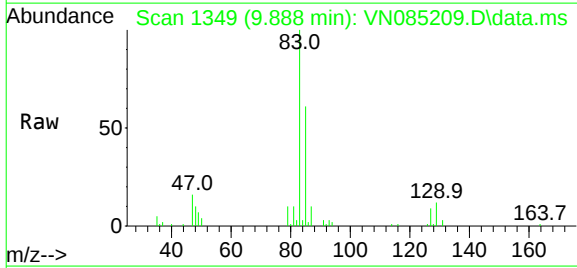
#41
Bromodichloromethane
Concen: 20.024 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 83 Resp: 61025
Ion Ratio Lower Upper
83 100
85 61.1 54.6 81.8
127 9.0 7.0 10.6

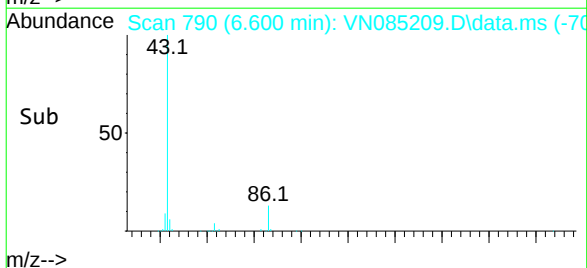
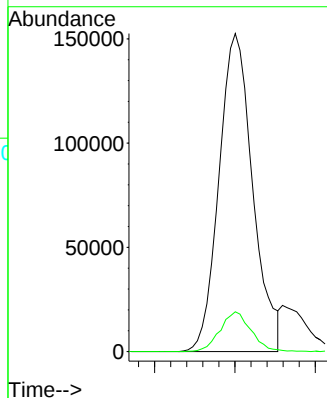
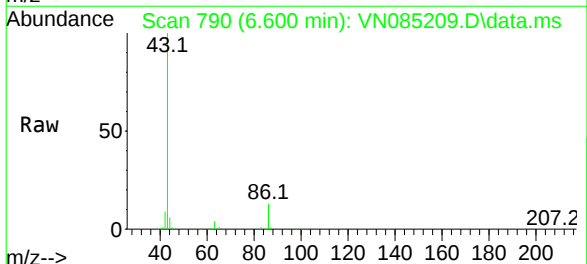
Manual Integrations
APPROVED

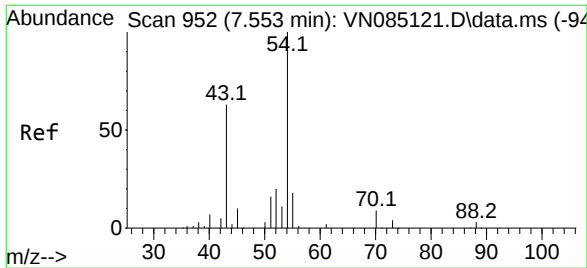
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#42
Vinyl Acetate
Concen: 106.188 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 43 Resp: 445381
Ion Ratio Lower Upper
43 100
86 11.5 9.2 13.8





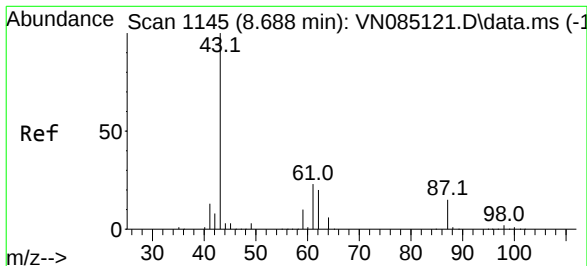
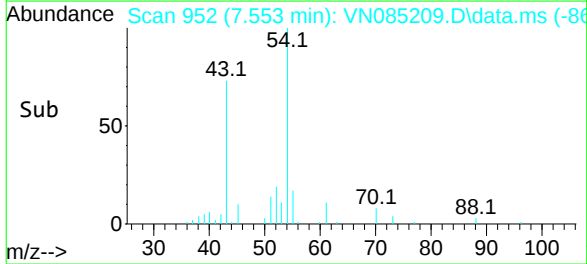
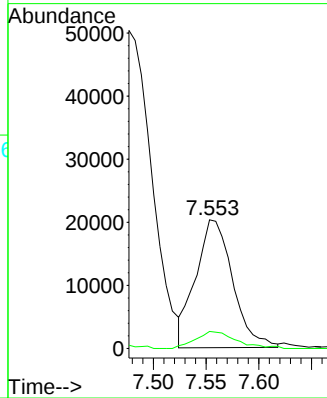
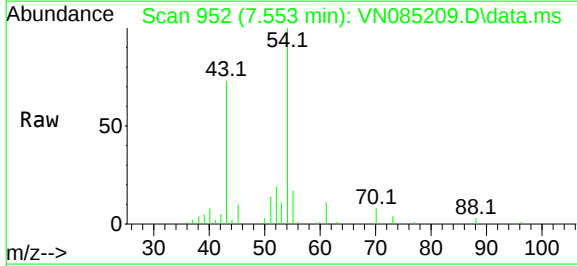
#43
Ethyl Acetate
Concen: 20.734 ug/l
RT: 7.553 min Scan# 952
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 43 Resp: 49449
Ion Ratio Lower Upper
43 100
45 13.2 13.3 19.9#

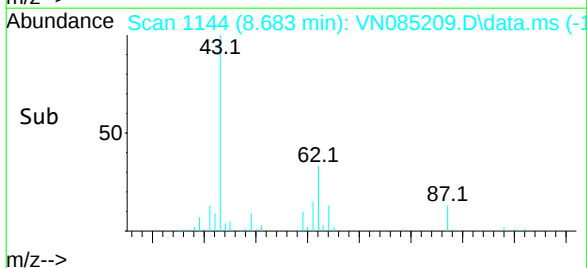
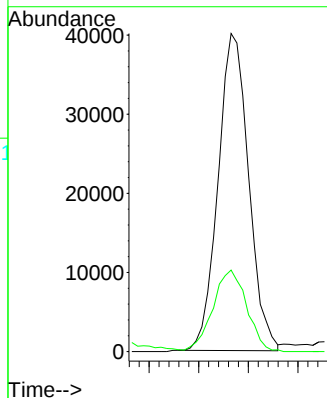
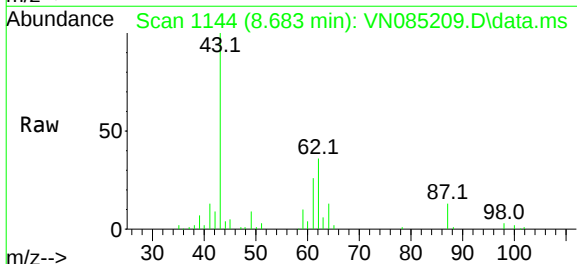
Manual Integrations
APPROVED

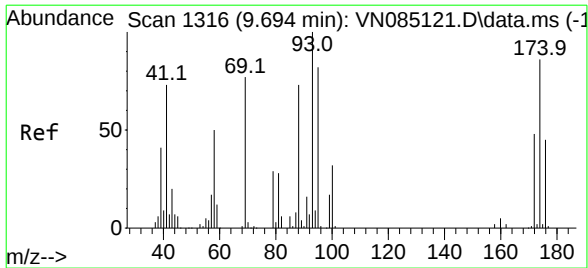
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#44
Isopropyl Acetate
Concen: 20.685 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 43 Resp: 85730
Ion Ratio Lower Upper
43 100
61 28.4 21.5 32.3





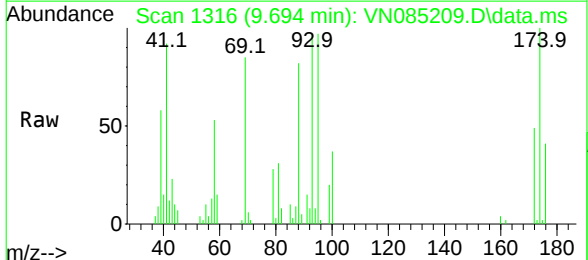
#45
 1,4-Dioxane
 Concen: 407.451 ug/l
 RT: 9.694 min Scan# 1316
 Delta R.T. 0.000 min
 Lab File: VN085209.D
 Acq: 16 Dec 2024 10:57

Instrument :

MSVOA_N

ClientSampleId :

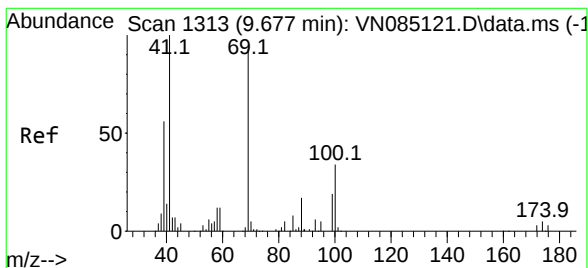
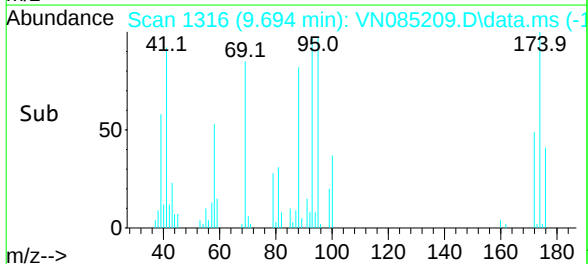
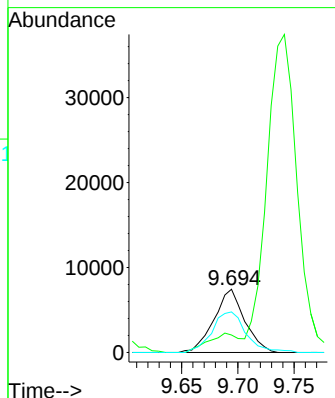
VN1216WBSD01



Tgt Ion:	88	Resp:	14082
Ion Ratio	Lower	Upper	
88	100		
43	32.9	21.7	32.5
58	71.5	52.6	79.0

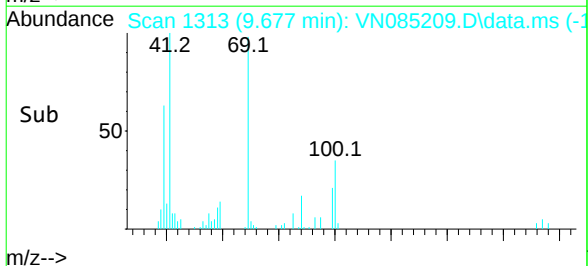
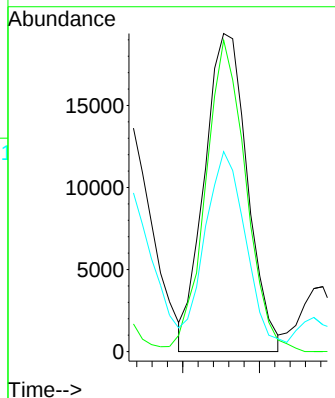
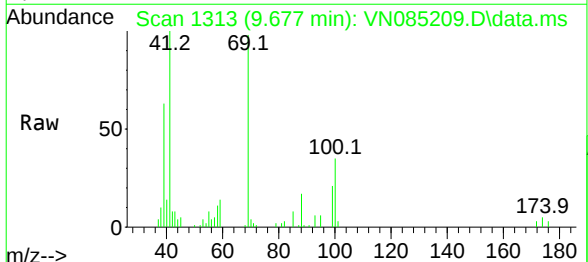
Manual Integrations
 APPROVED

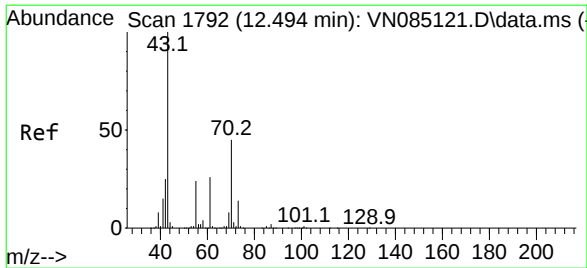
Reviewed By :John Carlone 12/16/2024
 Supervised By :Mahesh Dadoda 12/17/2024



#46
 Methyl methacrylate
 Concen: 19.915 ug/l
 RT: 9.677 min Scan# 1313
 Delta R.T. -0.006 min
 Lab File: VN085209.D
 Acq: 16 Dec 2024 10:57

Tgt Ion:	41	Resp:	37774
Ion Ratio	Lower	Upper	
41	100		
69	99.4	46.7	140.0
39	62.0	28.5	85.5





#47

n-amy1 Acetate

Concen: 19.945 ug/l

RT: 12.488 min Scan# 17

Delta R.T. -0.006 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBSD01

Tgt Ion: 43 Resp: 69551

Ion Ratio Lower Upper

43 100

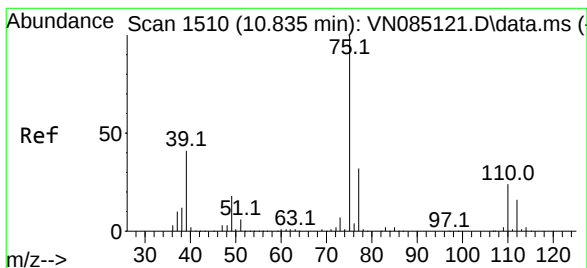
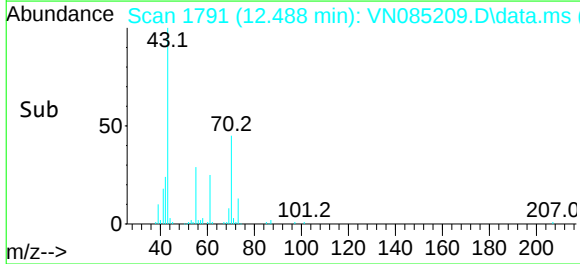
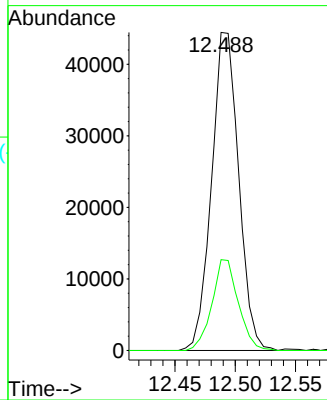
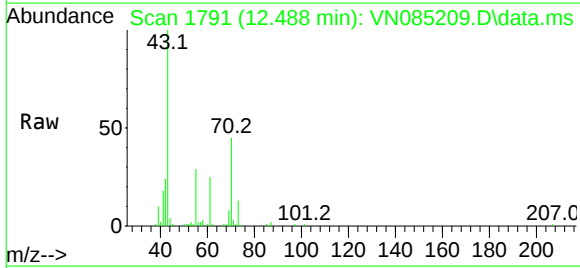
55 27.8 23.3 34.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#48

t-1,3-Dichloropropene

Concen: 19.884 ug/l

RT: 10.835 min Scan# 1510

Delta R.T. 0.000 min

Lab File: VN085209.D

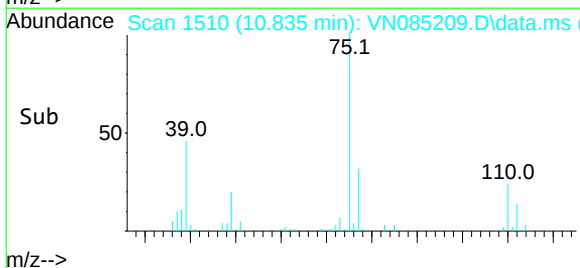
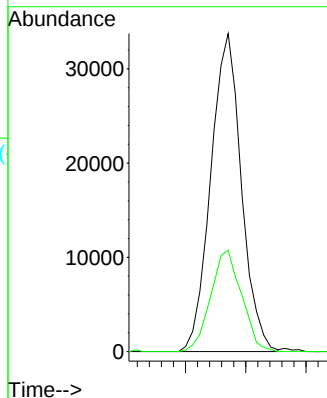
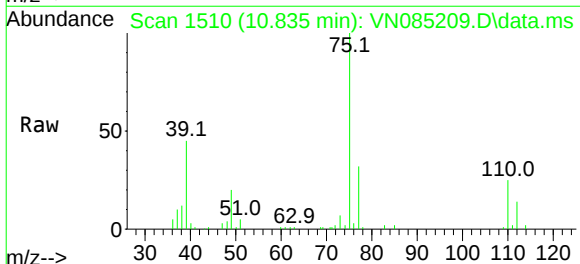
Acq: 16 Dec 2024 10:57

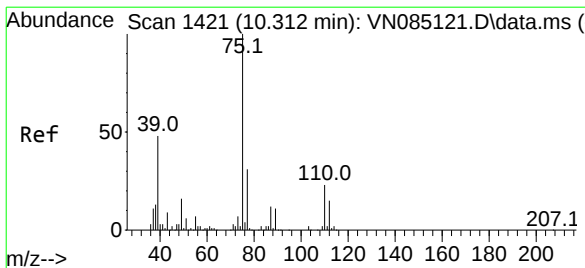
Tgt Ion: 75 Resp: 59485

Ion Ratio Lower Upper

75 100

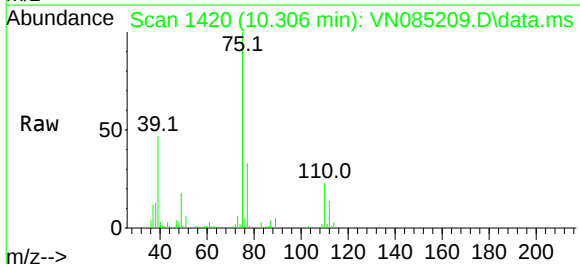
77 31.8 25.5 38.3





#49
cis-1,3-Dichloropropene
Concen: 19.833 ug/l
RT: 10.306 min Scan# 1421
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

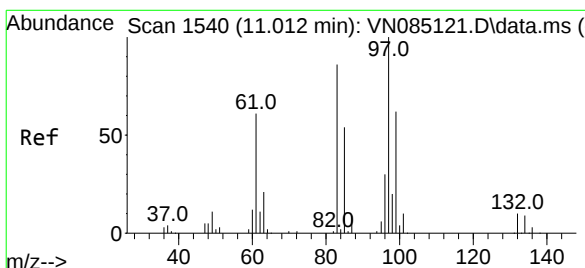
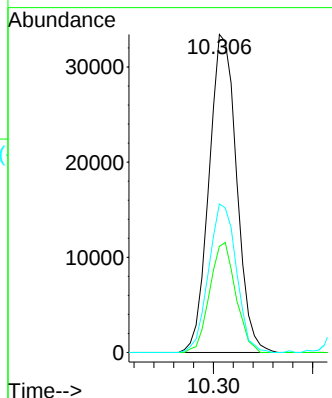
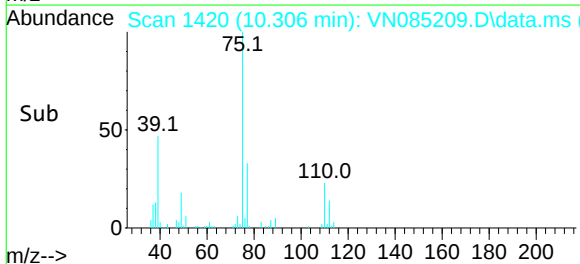
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01



Tgt Ion:	75	Resp:	64591
Ion	Ratio	Lower	Upper
75	100		
77	33.4	23.8	35.6
39	46.7	37.3	55.9

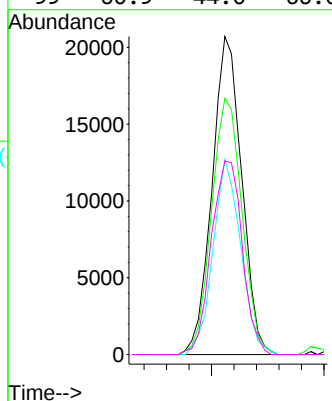
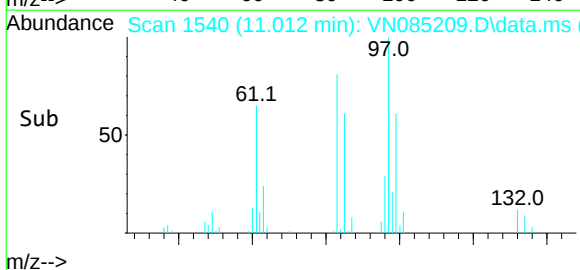
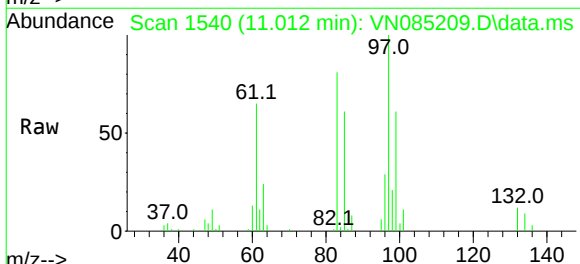
Manual Integrations
APPROVED

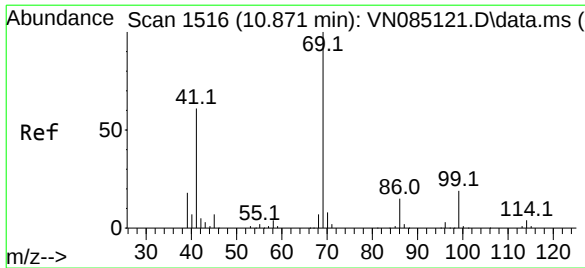
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#50
1,1,2-Trichloroethane
Concen: 19.717 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:	97	Resp:	37876
Ion	Ratio	Lower	Upper
97	100		
83	80.5	65.8	98.8
85	61.3	40.8	61.2#
99	60.9	44.0	66.0





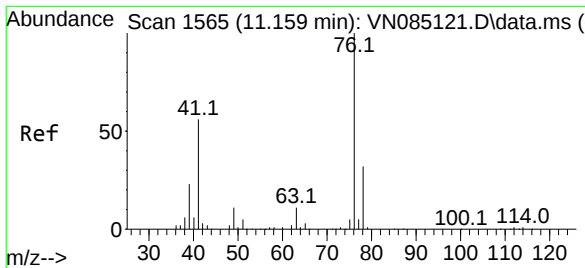
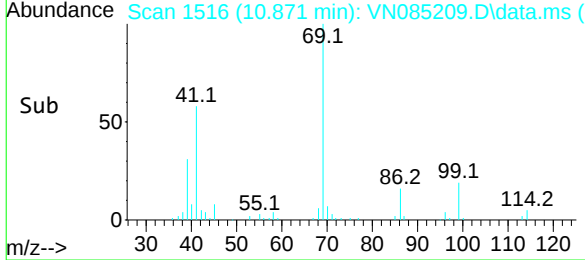
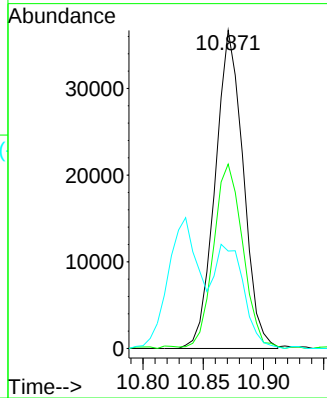
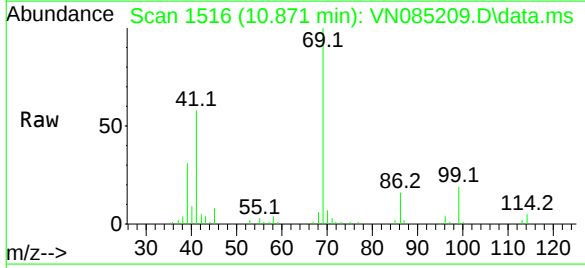
#51
Ethyl methacrylate
Concen: 20.365 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:	69	Resp:	59503
Ion Ratio	Lower	Upper	
69	100		
41	57.5	32.1	96.3
39	30.2	18.8	56.4

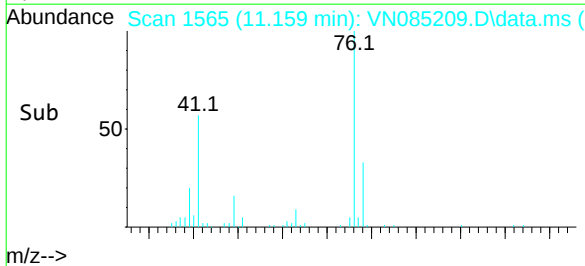
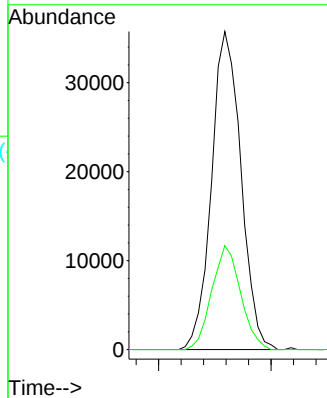
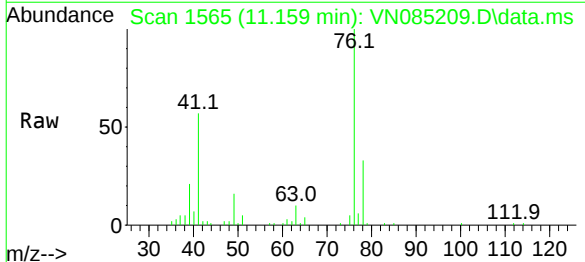
Manual Integrations
APPROVED

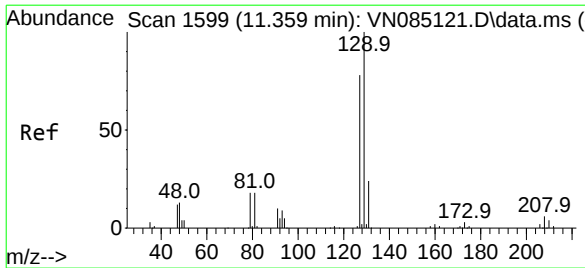
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#52
1,3-Dichloropropane
Concen: 20.232 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:	76	Resp:	65044
Ion Ratio	Lower	Upper	
76	100		
78	31.9	0.0	65.6





#53

Dibromochloromethane

Concen: 19.848 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. 0.006 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBSD01

Tgt Ion:129 Resp: 46465

Ion Ratio Lower Upper

129 100

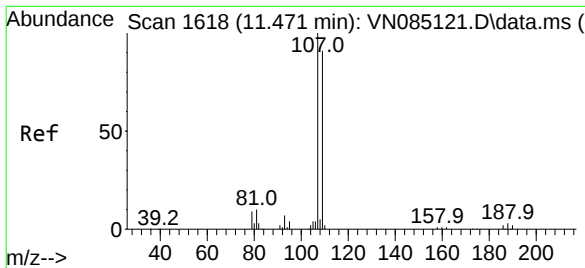
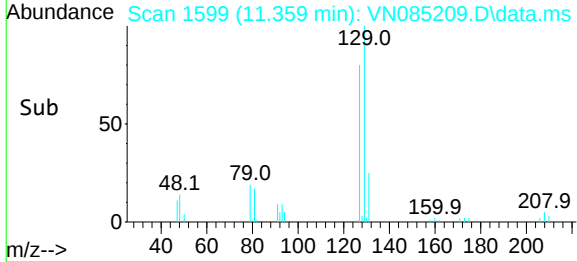
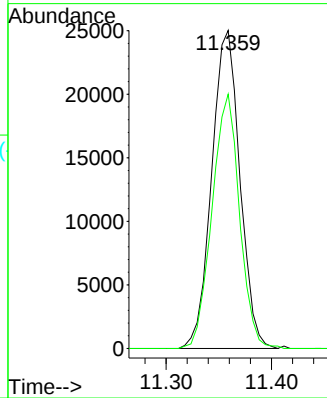
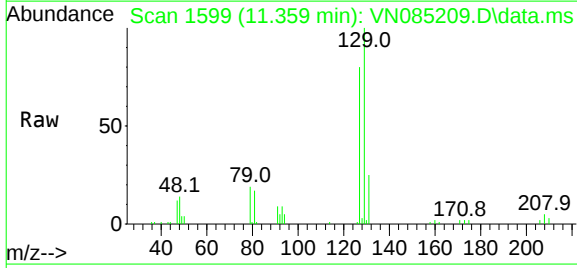
127 77.8 37.3 111.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#54

1,2-Dibromoethane

Concen: 19.669 ug/l

RT: 11.465 min Scan# 1617

Delta R.T. 0.000 min

Lab File: VN085209.D

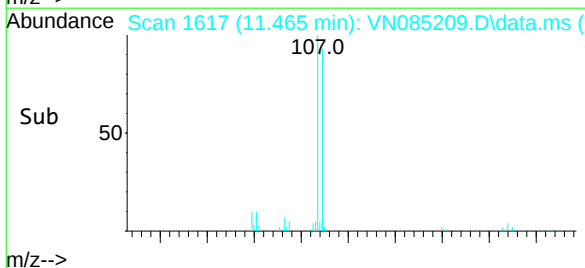
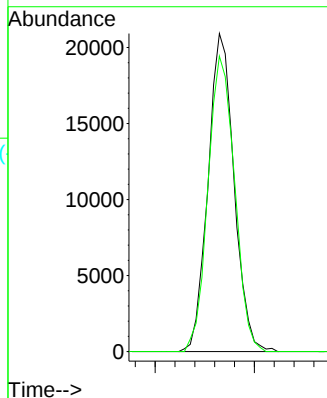
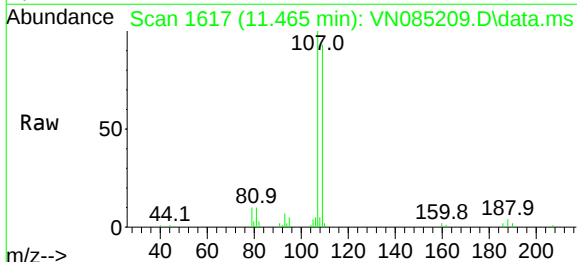
Acq: 16 Dec 2024 10:57

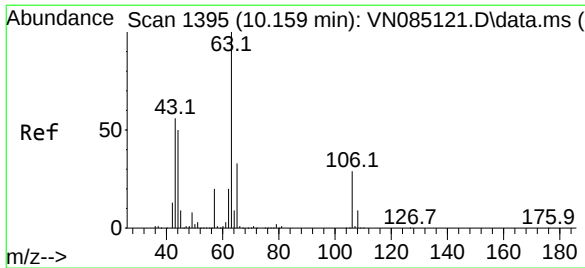
Tgt Ion:107 Resp: 38069

Ion Ratio Lower Upper

107 100

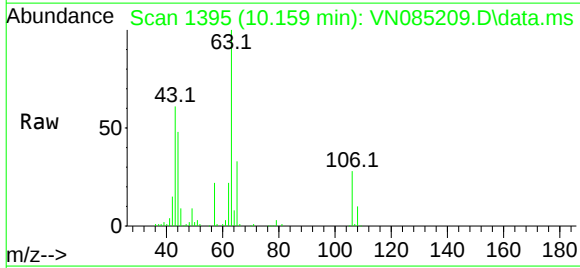
109 95.1 75.2 112.8





#55
2-Chloroethyl vinyl ether
Concen: 116.053 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

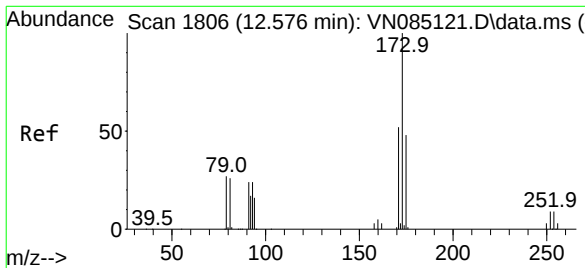
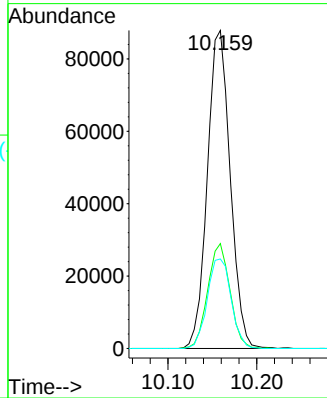
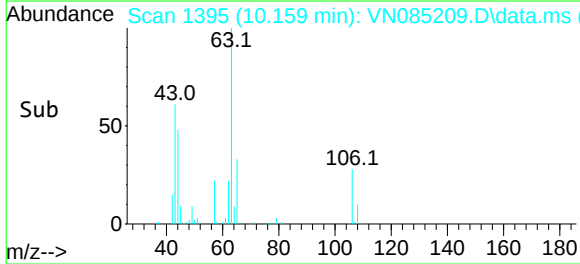
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01



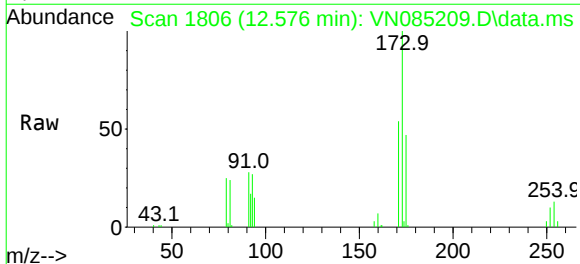
Tgt Ion: 63 Resp: 157517
Ion Ratio Lower Upper
63 100
65 32.0 25.9 38.9
106 29.3 23.5 35.3

Manual Integrations
APPROVED

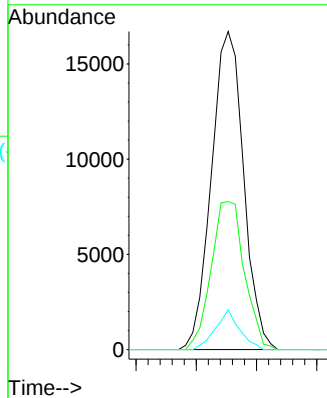
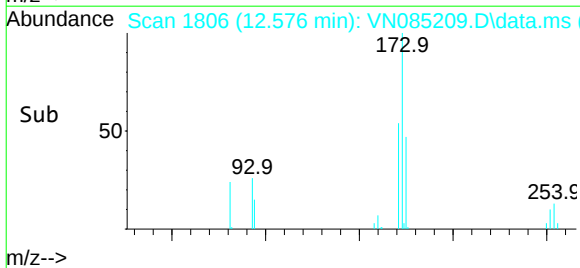
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

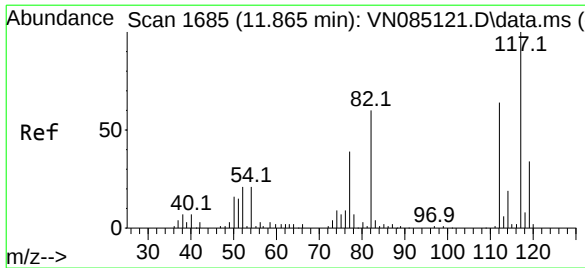


#56
Bromoform
Concen: 19.753 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57



Tgt Ion:173 Resp: 31005
Ion Ratio Lower Upper
173 100
175 48.1 40.2 60.2
254 9.4 6.2 9.4#





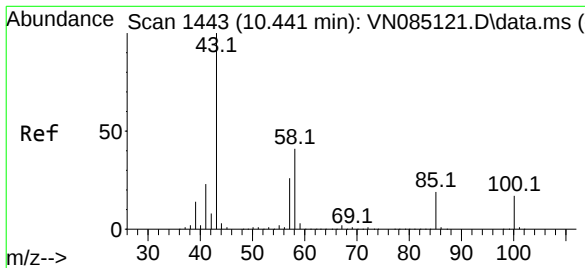
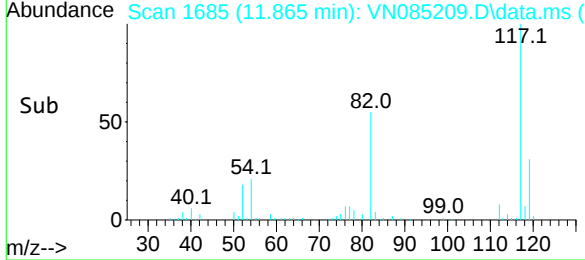
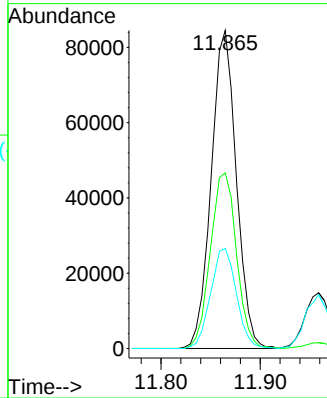
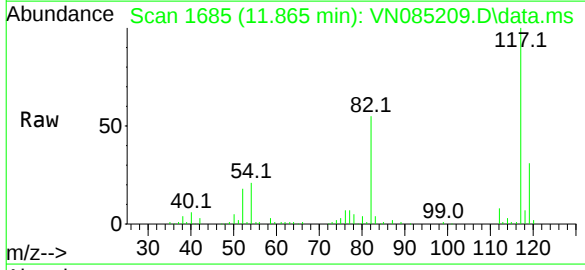
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:117 Resp: 148673
Ion Ratio Lower Upper
117 100
82 57.5 44.2 66.4
119 32.3 25.4 38.2

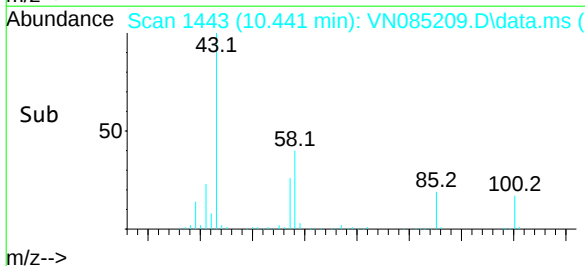
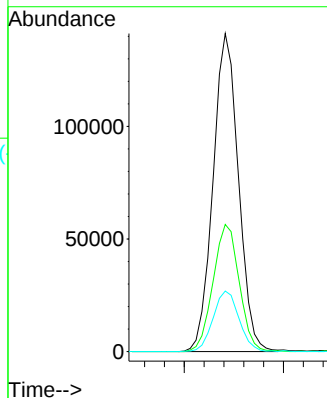
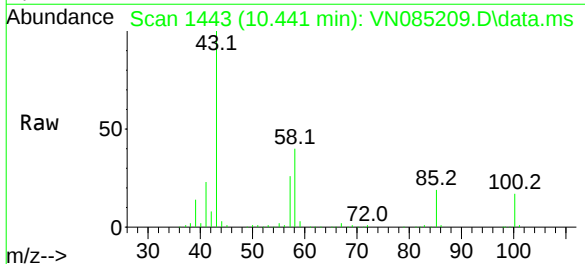
Manual Integrations
APPROVED

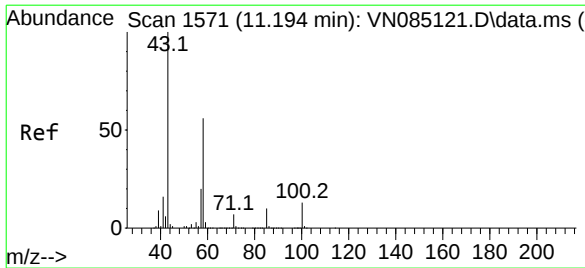
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#58
4-Methyl-2-Pentanone
Concen: 103.526 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 43 Resp: 251194
Ion Ratio Lower Upper
43 100
58 41.2 31.6 47.4
85 19.4 15.0 22.6





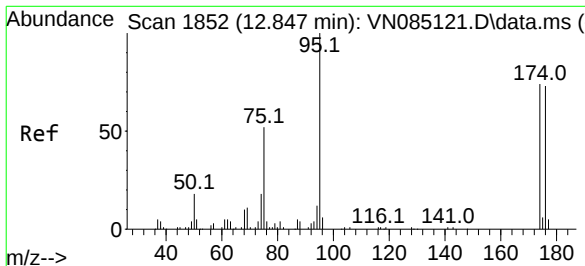
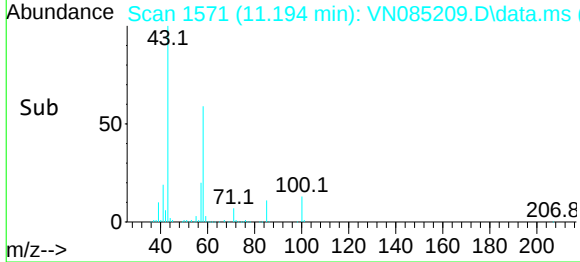
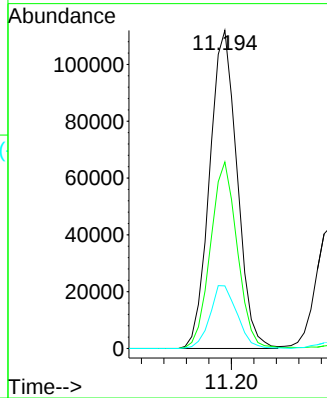
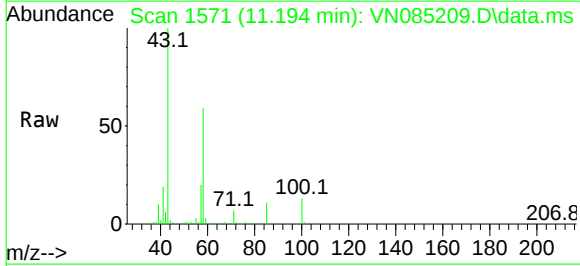
#59
2-Hexanone
Concen: 103.278 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 43 Resp: 189877
Ion Ratio Lower Upper
43 100
58 57.1 43.6 65.4
57 19.6 15.4 23.0

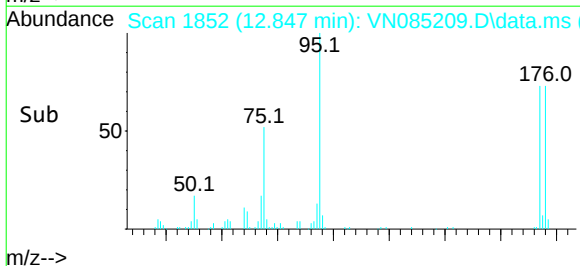
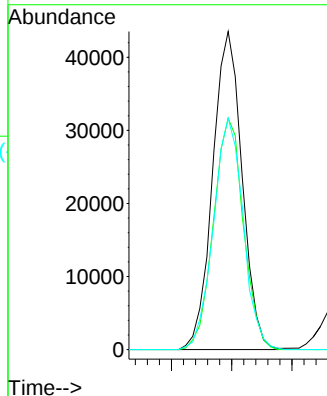
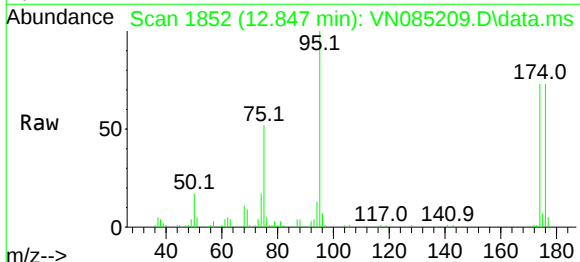
Manual Integrations
APPROVED

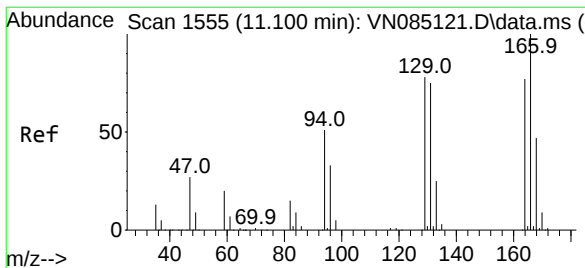
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#60
4-Bromofluorobenzene
Concen: 30.022 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

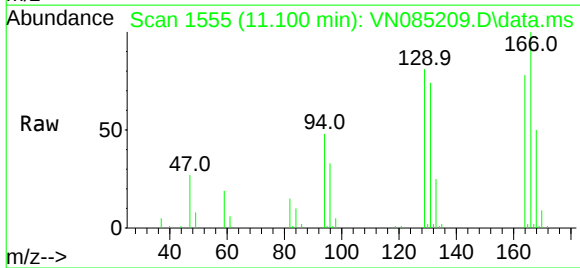
Tgt Ion: 95 Resp: 73852
Ion Ratio Lower Upper
95 100
174 74.1 60.3 90.5
176 73.5 57.4 86.0





#61
Tetrachloroethene
Concen: 19.837 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

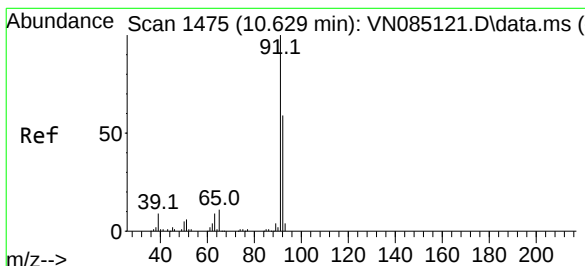
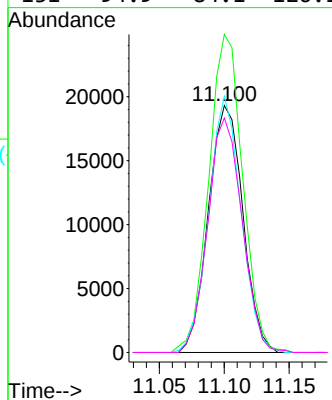
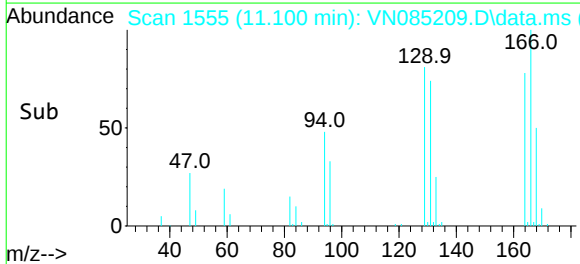
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01



Tgt Ion: 164 Resp: 35715
Ion Ratio Lower Upper
164 100
166 127.5 103.8 155.8
129 102.9 84.2 126.4
131 94.9 84.1 126.1

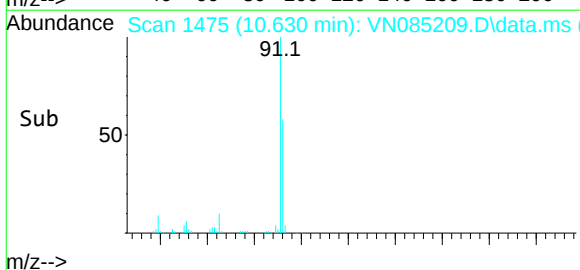
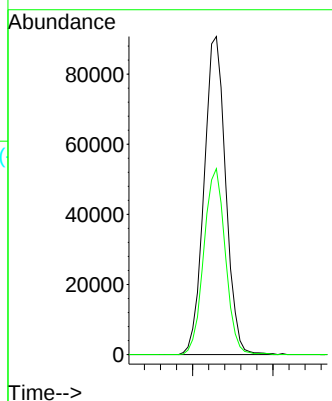
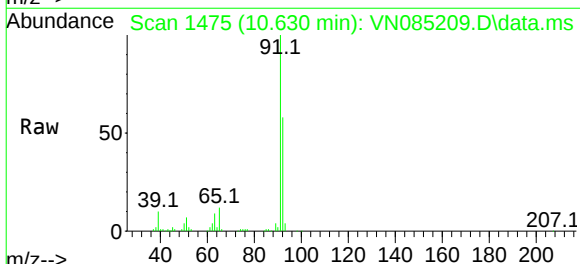
Manual Integrations
APPROVED

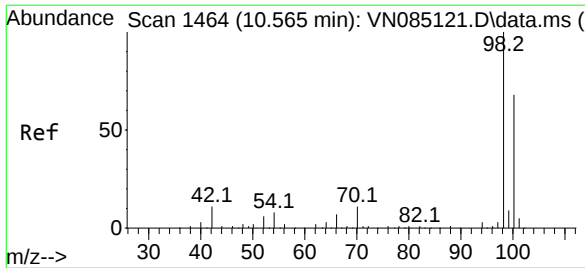
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#62
Toluene
Concen: 19.542 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 91 Resp: 169444
Ion Ratio Lower Upper
91 100
92 57.9 46.5 69.7





#63

Toluene-d8

Concen: 29.009 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBSD01

Tgt Ion: 98 Resp: 202306

Ion Ratio Lower Upper

98 100

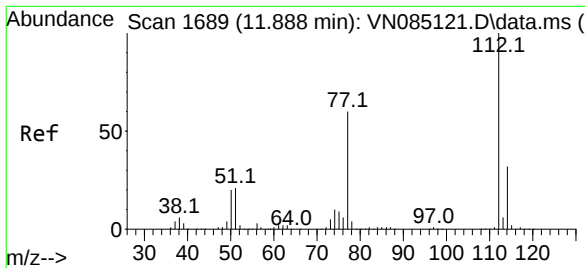
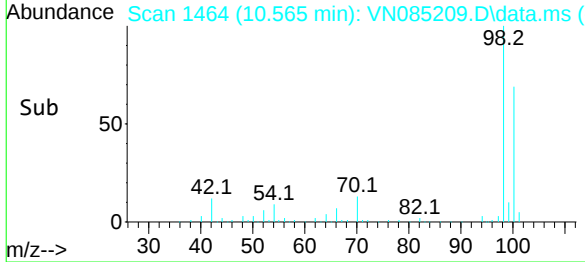
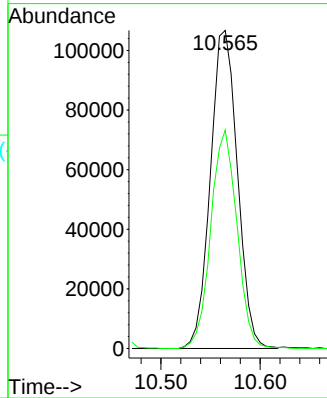
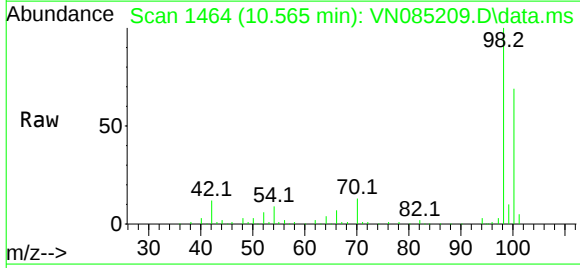
100 66.4 52.0 78.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#64

Chlorobenzene

Concen: 19.669 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. 0.000 min

Lab File: VN085209.D

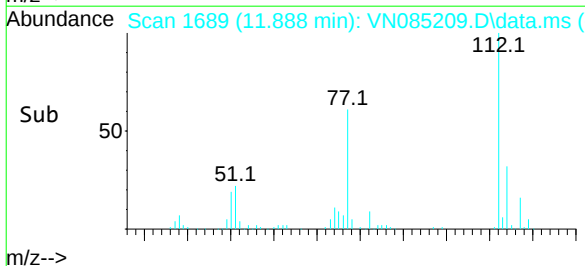
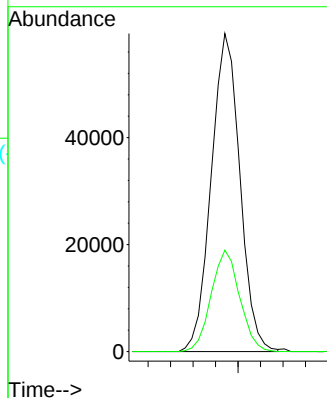
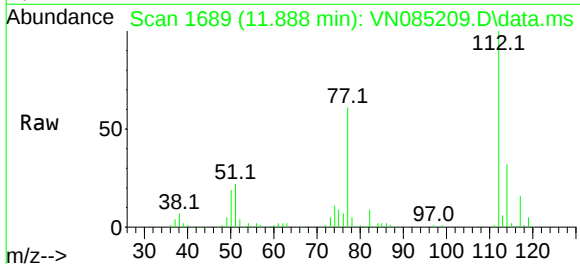
Acq: 16 Dec 2024 10:57

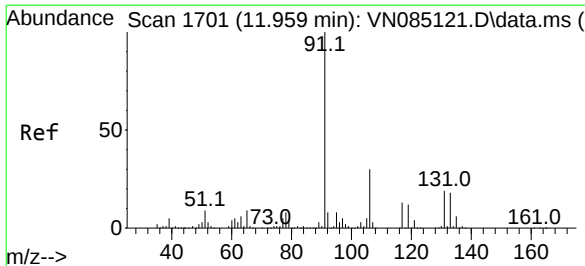
Tgt Ion:112 Resp: 105294

Ion Ratio Lower Upper

112 100

114 31.9 26.0 39.0





#65

1,1,1,2-Tetrachloroethane

Concen: 20.641 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBSD01

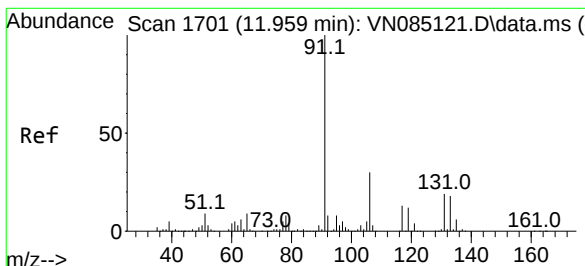
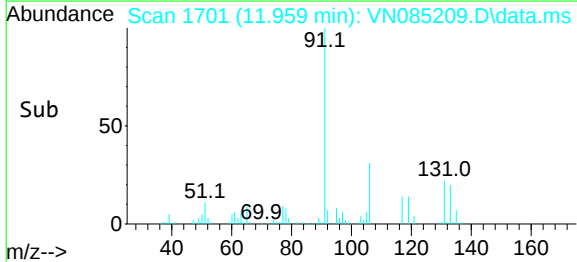
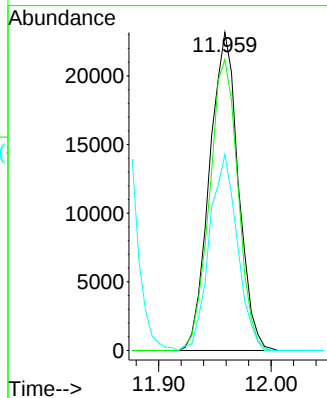
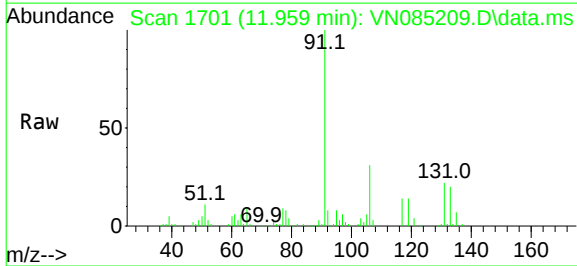
Tgt Ion:	131	Resp:	41250
Ion Ratio	Lower	Upper	
131	100		
133	90.4	0.0	194.0
119	59.8	0.0	131.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#66

Ethyl Benzene

Concen: 19.592 ug/l

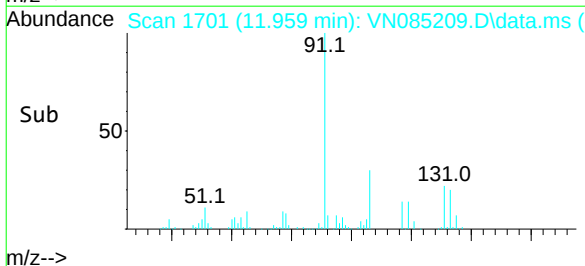
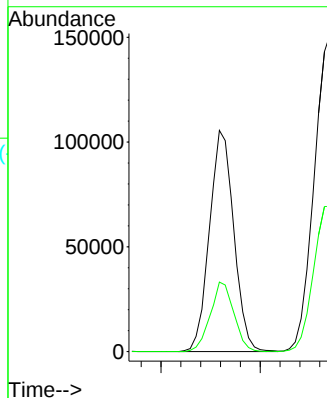
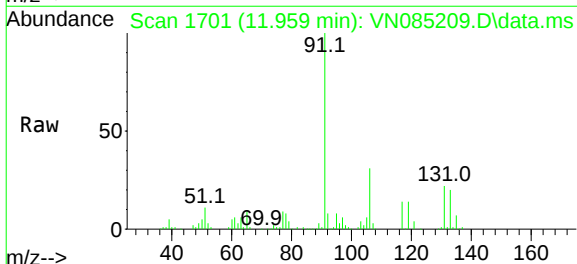
RT: 11.959 min Scan# 1701

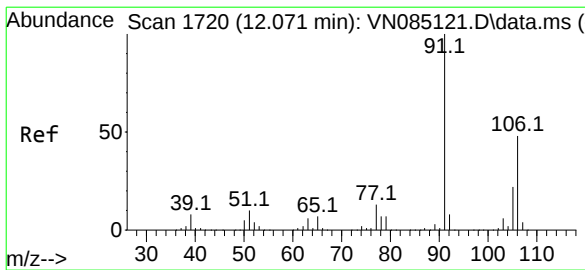
Delta R.T. -0.006 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Tgt Ion:	91	Resp:	180260
Ion Ratio	Lower	Upper	
91	100		
106	31.4	23.1	34.7





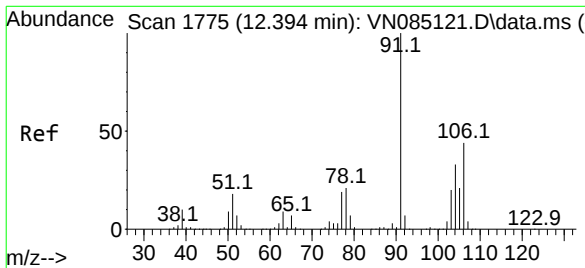
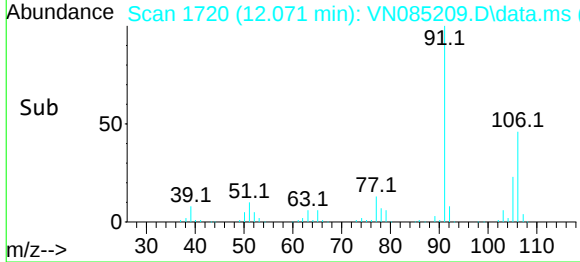
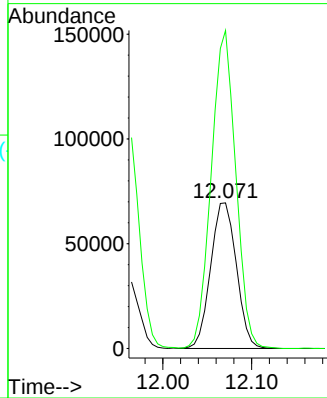
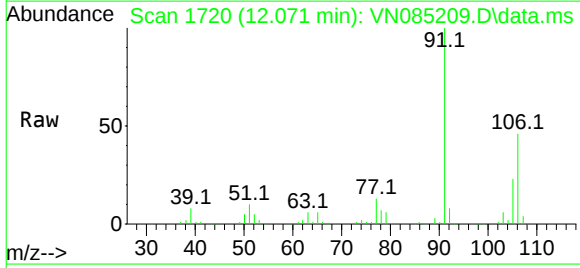
#67
m/p-Xylenes
Concen: 39.552 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:106 Resp: 139966
Ion Ratio Lower Upper
106 100
91 208.0 165.0 247.4

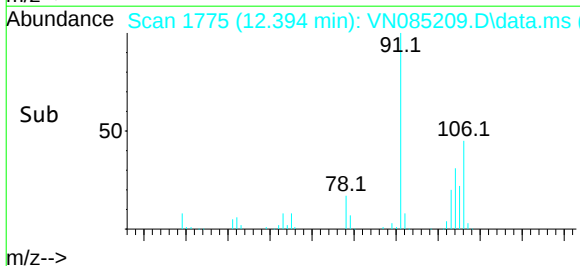
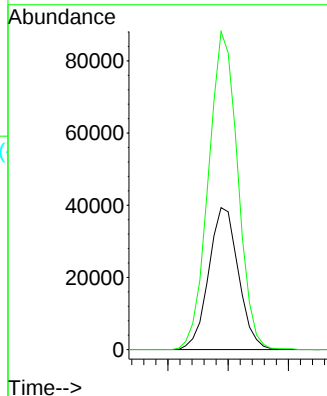
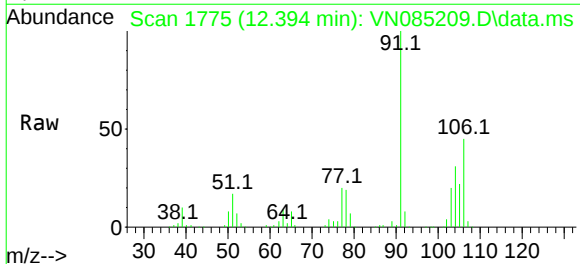
Manual Integrations
APPROVED

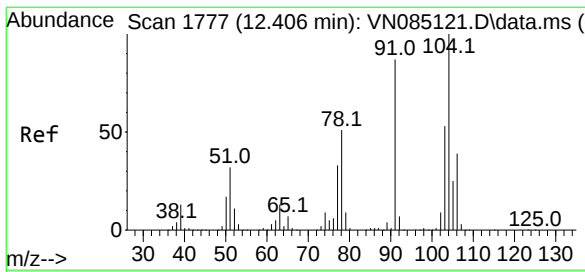
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#68
o-Xylene
Concen: 20.311 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:106 Resp: 67500
Ion Ratio Lower Upper
106 100
91 220.7 112.1 336.4





#69

Styrene

Concen: 20.099 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.006 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBSD01

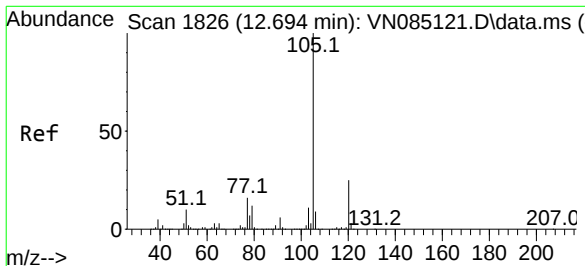
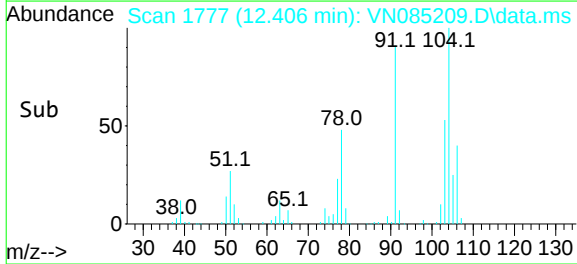
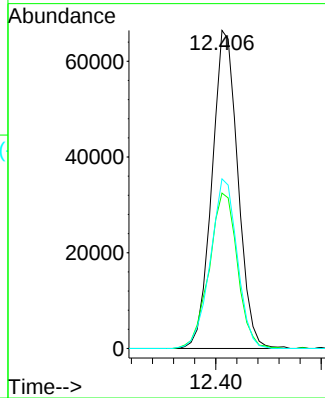
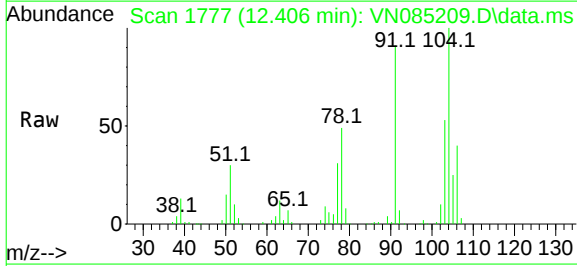
Tgt Ion:	104	Resp:	113349
Ion Ratio	Lower	Upper	
104	100		
78	53.1	42.3	63.5
103	55.3	44.4	66.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#70

Isopropylbenzene

Concen: 19.942 ug/l

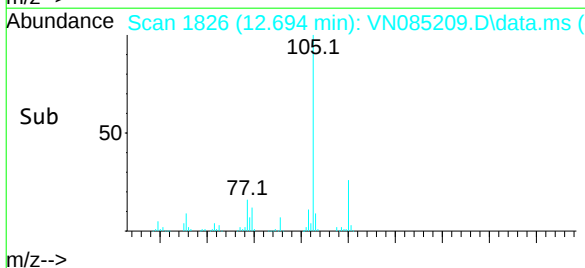
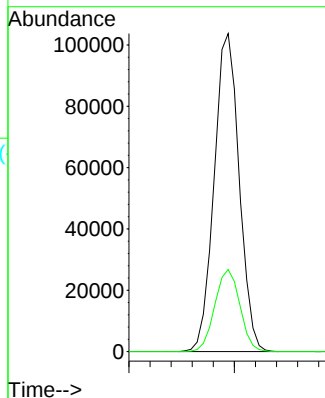
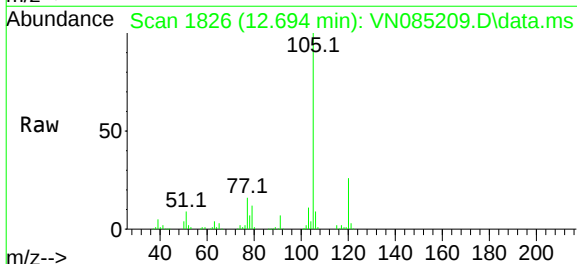
RT: 12.694 min Scan# 1826

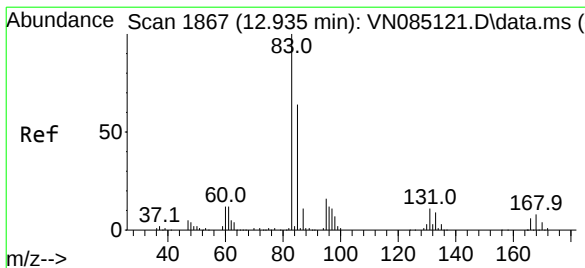
Delta R.T. 0.000 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Tgt Ion:	105	Resp:	170936
Ion Ratio	Lower	Upper	
105	100		
120	25.8	18.3	33.9





#71

1,1,2,2-Tetrachloroethane

Concen: 20.363 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBSD01

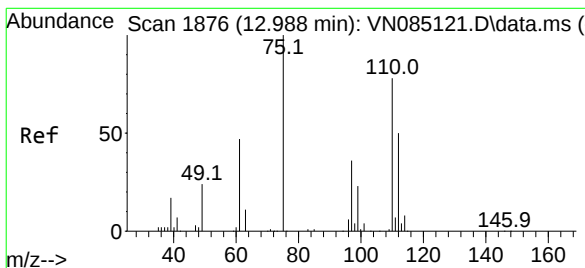
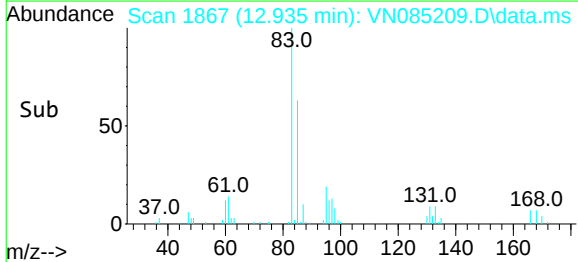
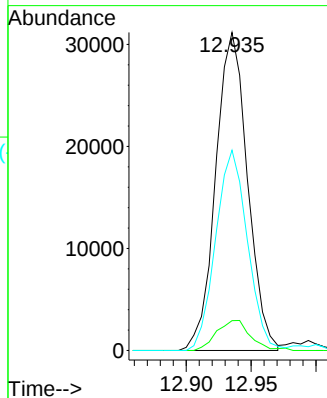
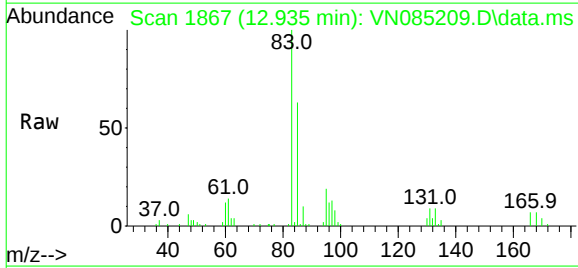
Tgt Ion: 83	Resp: 53129
Ion Ratio	Lower Upper
83 100	
131 9.8	5.1 15.3
85 62.9	31.1 93.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#72

1,2,3-Trichloropropane

Concen: 16.657 ug/l m

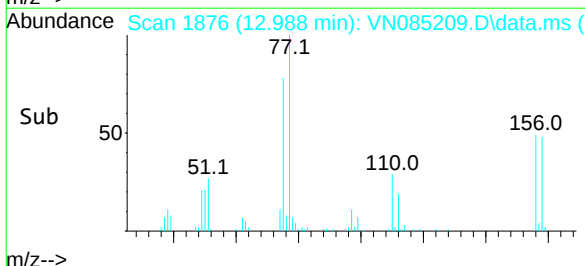
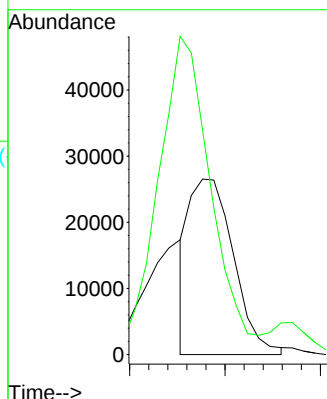
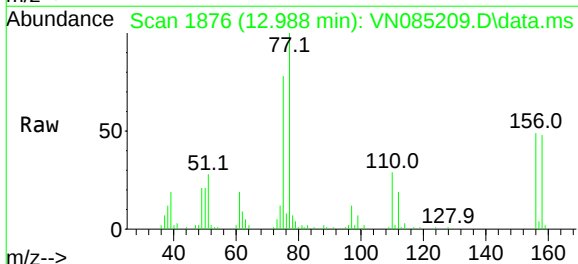
RT: 12.988 min Scan# 1876

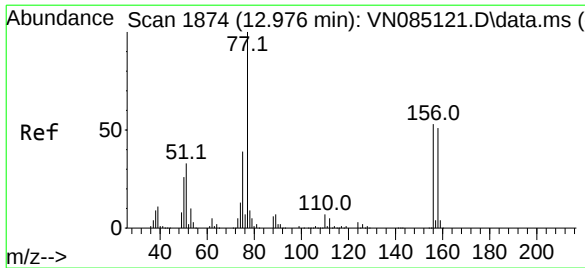
Delta R.T. -0.006 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Tgt Ion: 75	Resp: 42929
Ion Ratio	Lower Upper
75 100	
77 216.3	0.0 339.0





#73

Bromobenzene

Concen: 20.050 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. 0.000 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBSD01

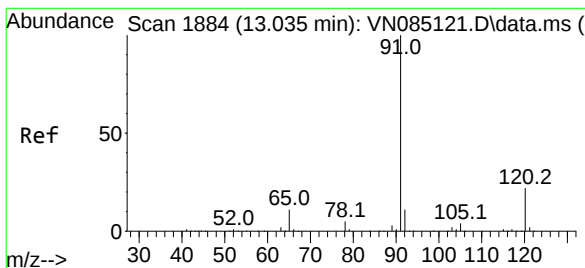
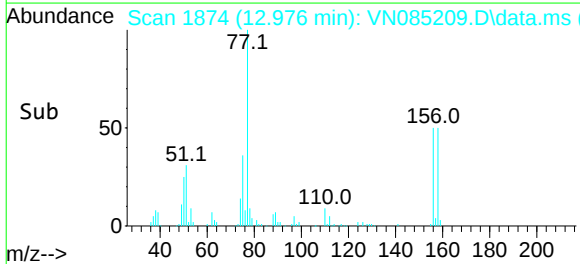
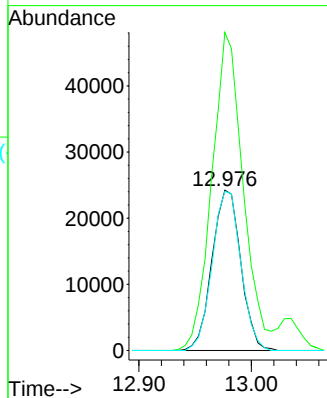
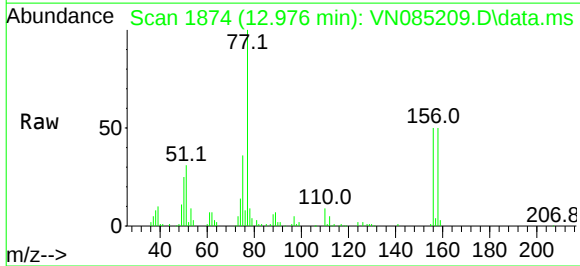
Tgt Ion:	156	Resp:	43049
Ion Ratio	Lower	Upper	
156	100		
77	215.7	0.0	430.4
158	98.8	0.0	195.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#74

n-propylbenzene

Concen: 19.157 ug/l

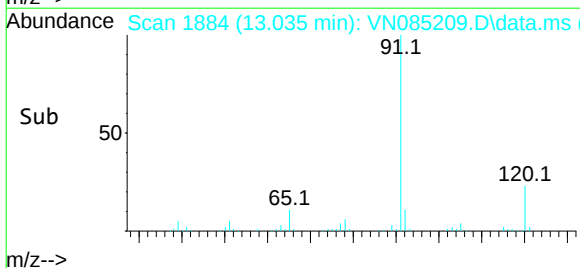
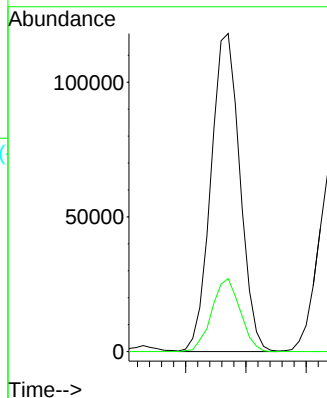
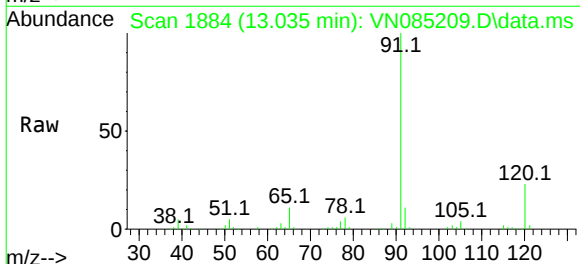
RT: 13.035 min Scan# 1884

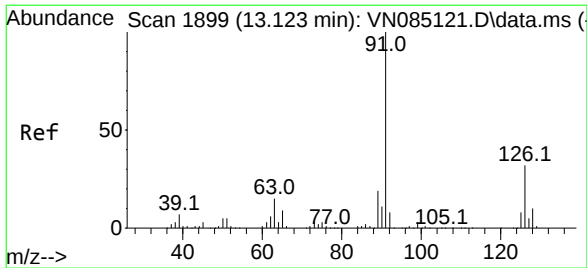
Delta R.T. 0.000 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Tgt Ion:	91	Resp:	197415
Ion Ratio	Lower	Upper	
91	100		
120	22.4	0.0	44.0





#75

2-Chlorotoluene

Concen: 19.864 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBSD01

Tgt Ion: 91 Resp: 126567

Ion Ratio Lower Upper

91 100

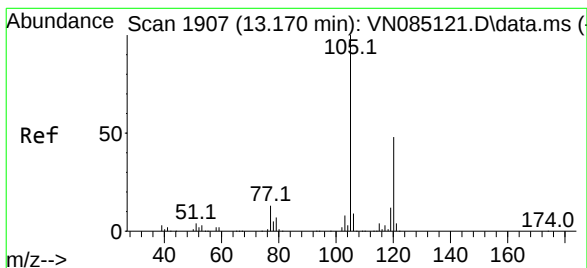
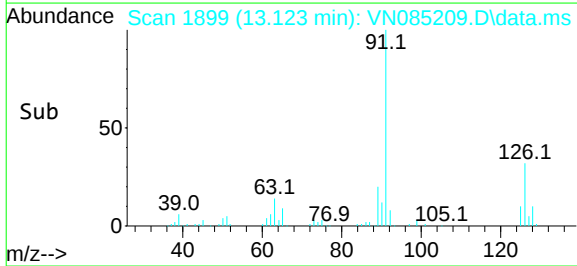
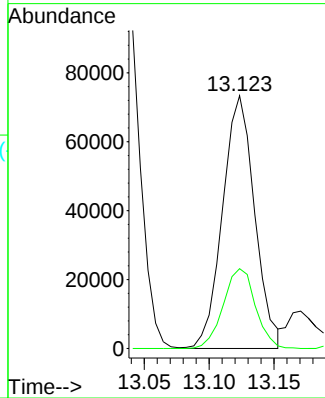
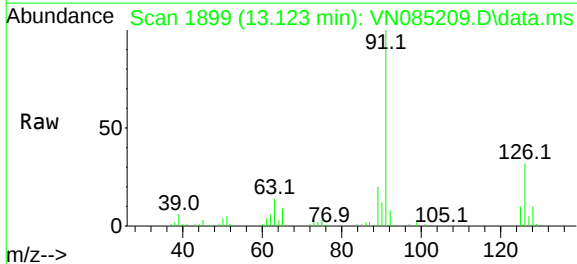
126 31.6 0.0 64.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#76

1,3,5-Trimethylbenzene

Concen: 19.583 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN085209.D

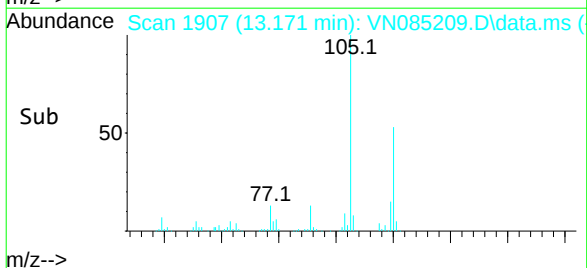
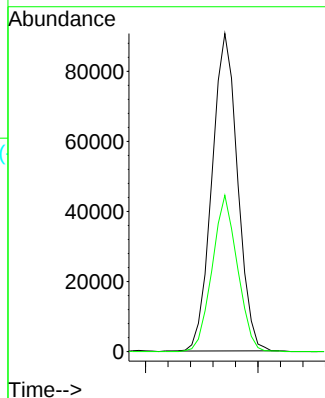
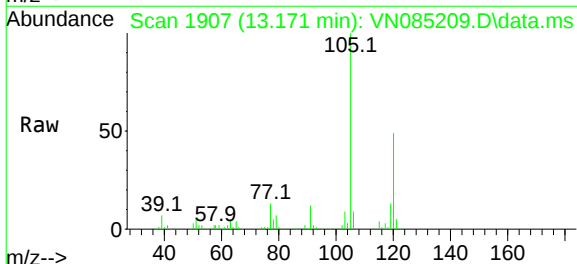
Acq: 16 Dec 2024 10:57

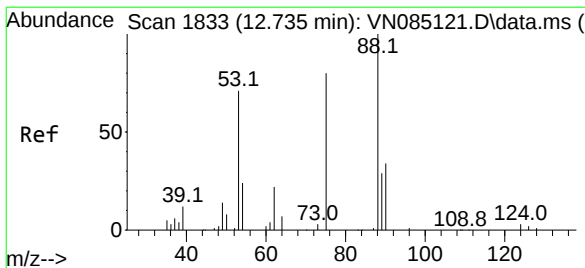
Tgt Ion:105 Resp: 143813

Ion Ratio Lower Upper

105 100

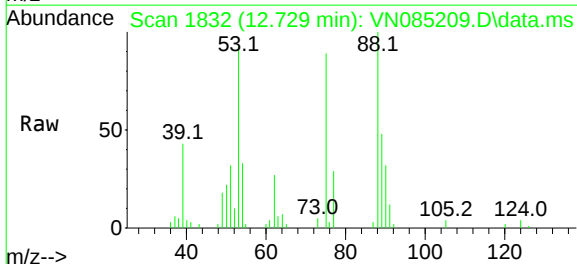
120 48.3 0.0 94.4





#77
t-1,4-Dichloro-2-butene
Concen: 20.358 ug/l
RT: 12.729 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

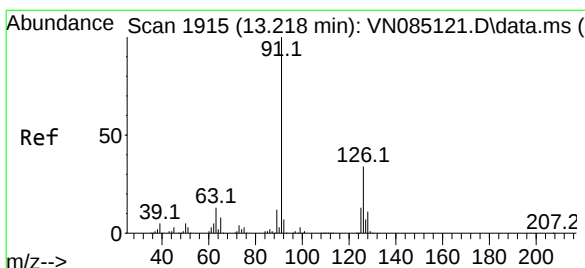
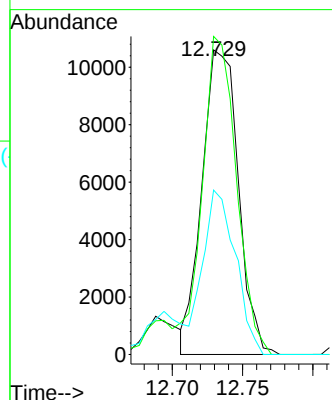
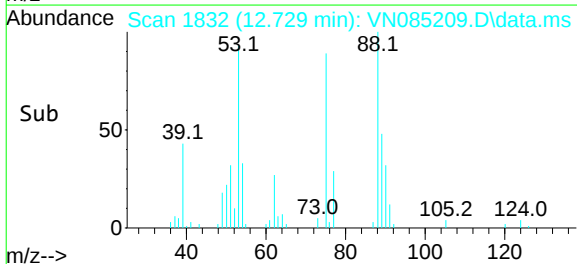
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01



Tgt Ion: 75 Resp: 19066
Ion Ratio Lower Upper
75 100
53 104.4 49.1 147.3
89 54.0 22.9 68.5

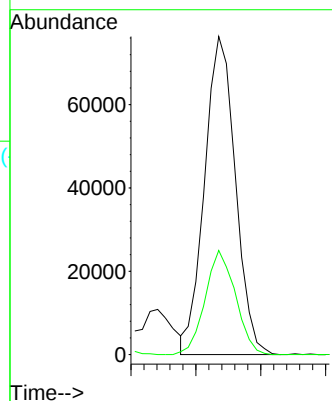
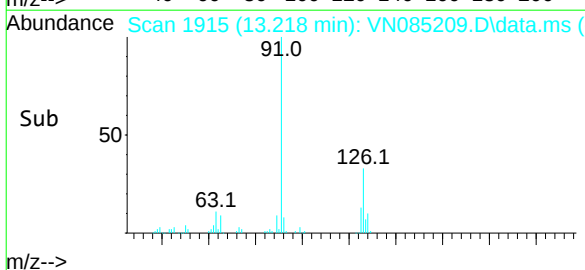
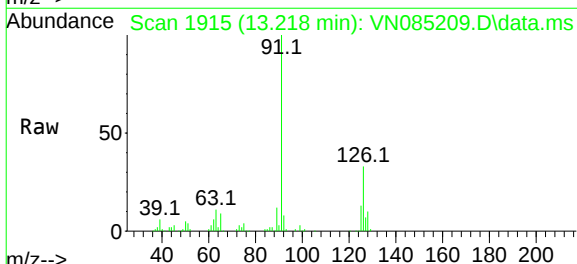
Manual Integrations
APPROVED

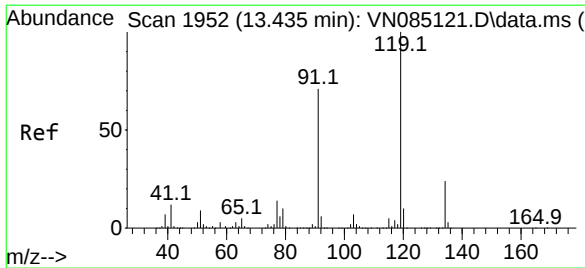
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#78
4-Chlorotoluene
Concen: 19.518 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 91 Resp: 126224
Ion Ratio Lower Upper
91 100
126 32.2 0.0 64.4





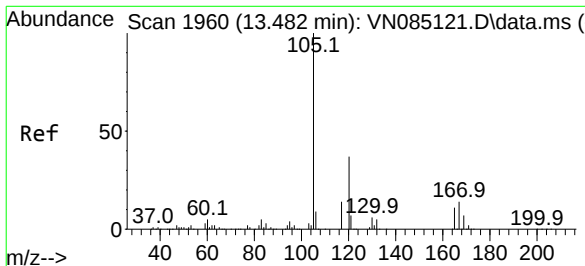
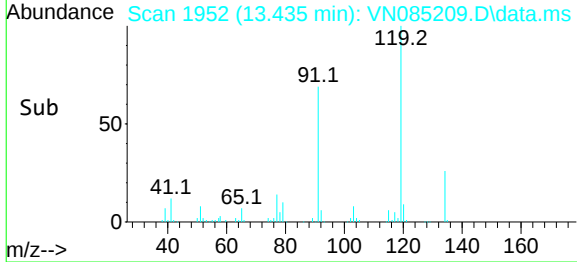
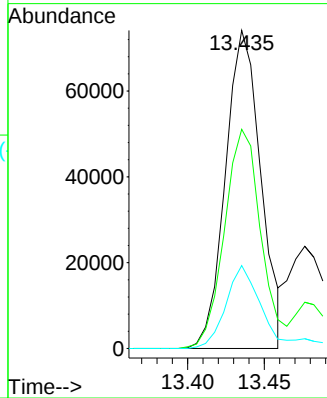
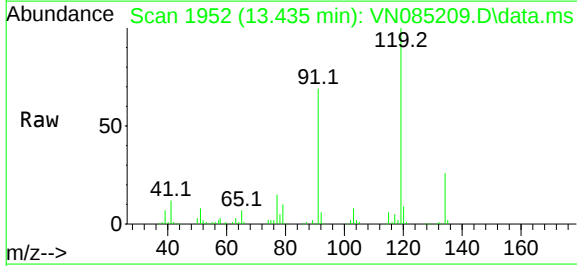
#79
tert-butylbenzene
Concen: 19.754 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:119 Resp: 119154
Ion Ratio Lower Upper
119 100
91 71.3 0.0 139.2
134 25.0 0.0 48.0

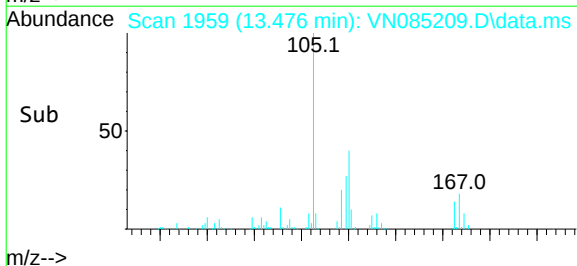
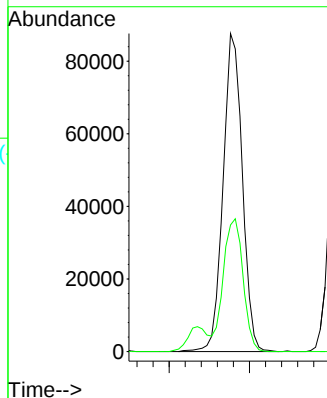
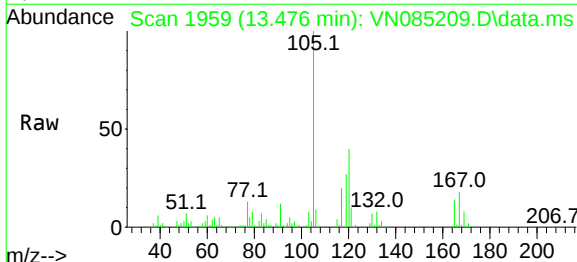
Manual Integrations
APPROVED

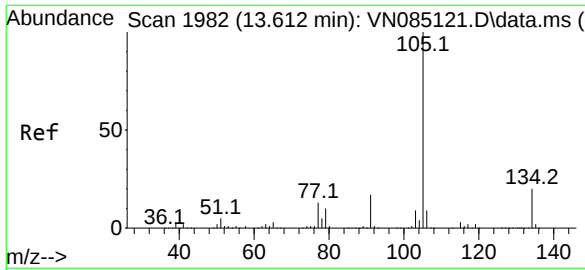
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#80
1,2,4-Trimethylbenzene
Concen: 20.096 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:105 Resp: 145777
Ion Ratio Lower Upper
105 100
120 42.9 0.0 87.4





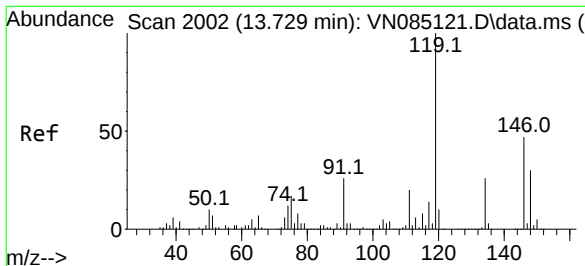
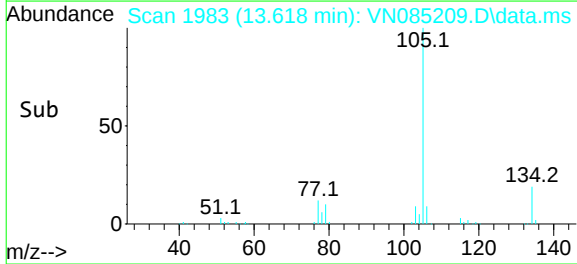
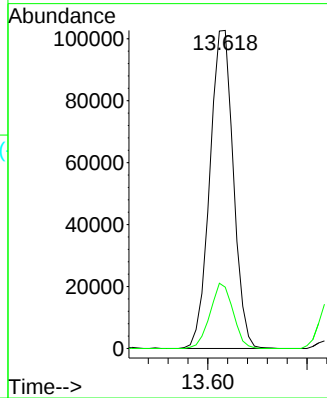
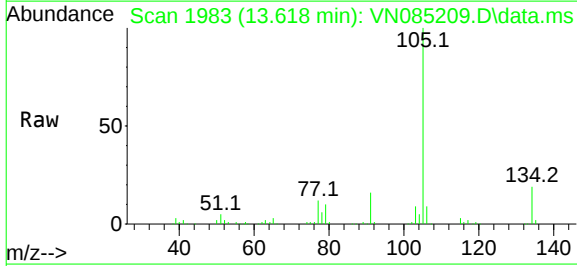
#81
 sec-Butylbenzene
 Concen: 19.763 ug/l
 RT: 13.618 min Scan# 19
 Delta R.T. 0.006 min
 Lab File: VN085209.D
 Acq: 16 Dec 2024 10:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBSD01

Tgt Ion:105 Resp: 169356
 Ion Ratio Lower Upper
 105 100
 134 20.0 0.0 38.0

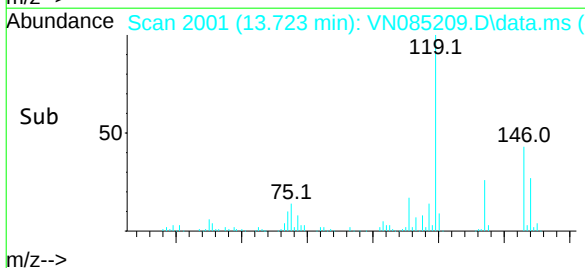
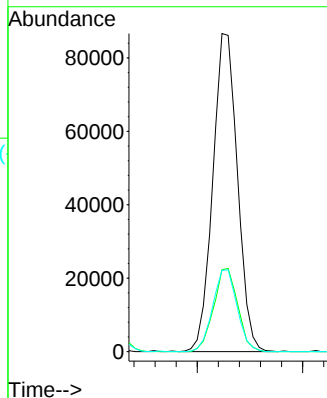
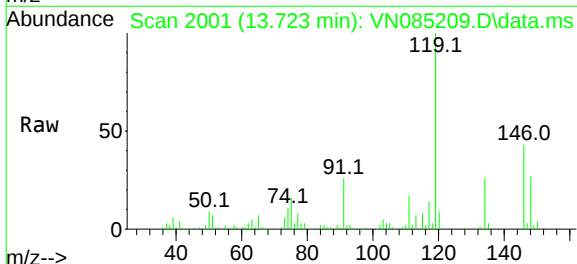
Manual Integrations
 APPROVED

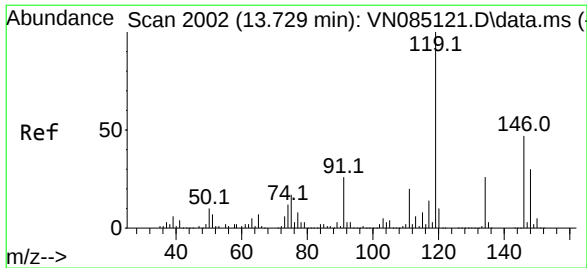
Reviewed By :John Carlone 12/16/2024
 Supervised By :Mahesh Dadoda 12/17/2024



#82
 p-Isopropyltoluene
 Concen: 19.813 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. -0.006 min
 Lab File: VN085209.D
 Acq: 16 Dec 2024 10:57

Tgt Ion:119 Resp: 140763
 Ion Ratio Lower Upper
 119 100
 134 25.5 0.0 51.6
 91 25.5 0.0 50.4





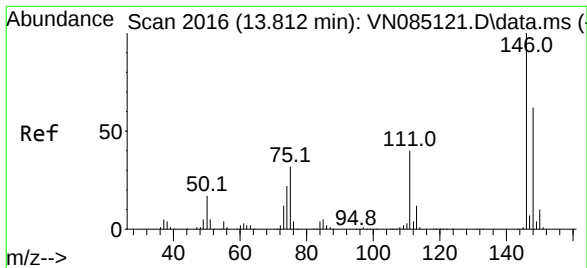
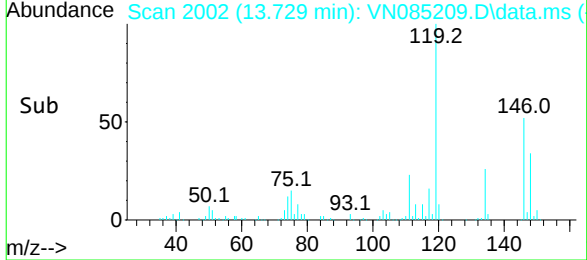
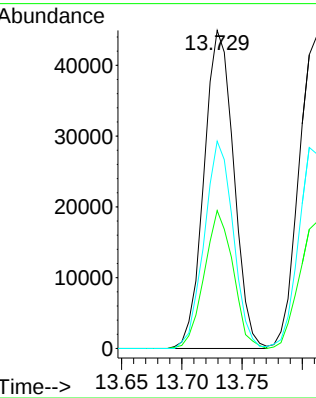
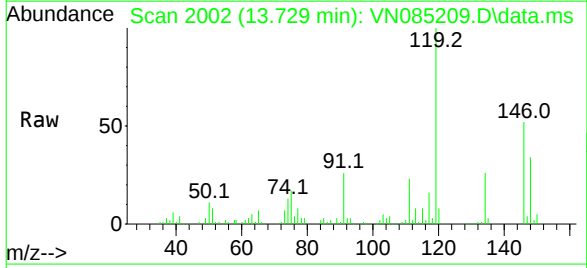
#83
1,3-Dichlorobenzene
Concen: 19.578 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:	146	Resp:	77122
Ion Ratio	Lower	Upper	
146	100		
111	41.9	21.1	63.3
148	63.5	31.8	95.3

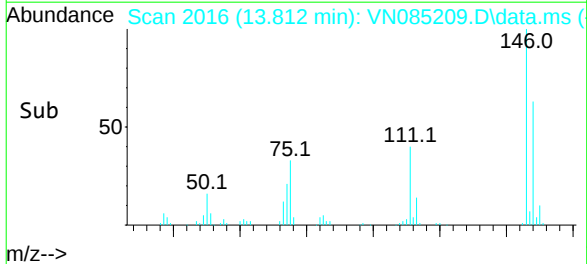
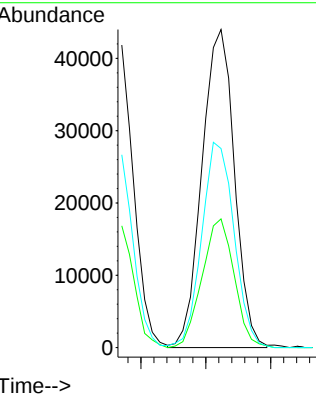
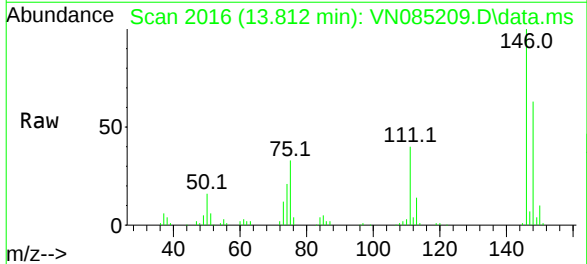
Manual Integrations
APPROVED

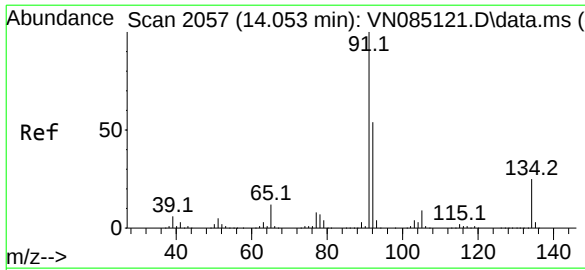
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#84
1,4-Dichlorobenzene
Concen: 19.952 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:	146	Resp:	76595
Ion Ratio	Lower	Upper	
146	100		
111	39.9	20.1	60.3
148	64.3	31.6	94.7





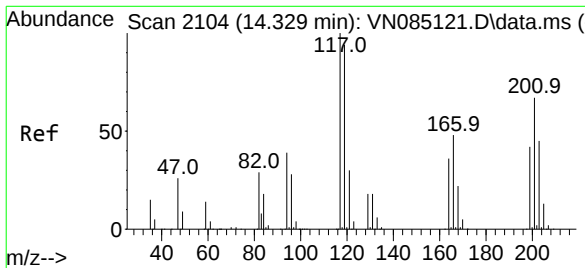
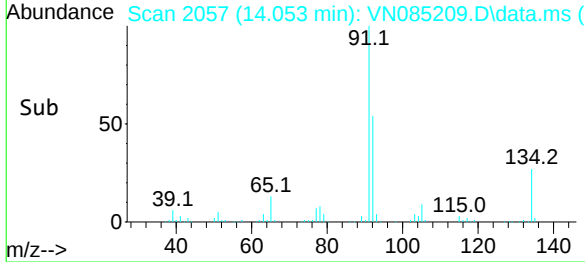
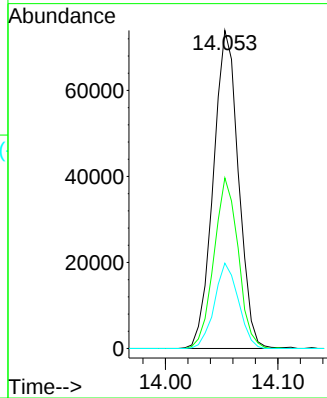
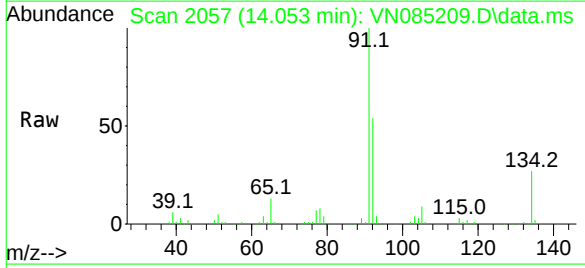
#85
n-Butylbenzene
Concen: 19.288 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 91 Resp: 114947
Ion Ratio Lower Upper
91 100
92 51.6 0.0 104.0
134 25.6 0.0 49.2

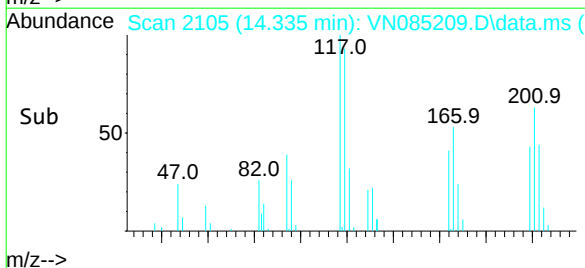
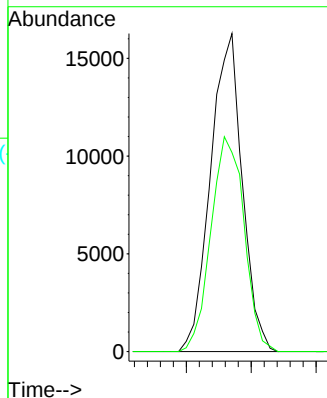
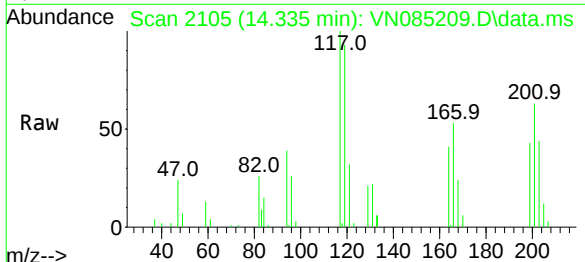
Manual Integrations
APPROVED

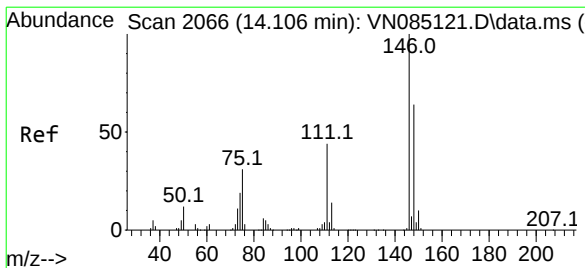
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#86
Hexachloroethane
Concen: 19.558 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:117 Resp: 27662
Ion Ratio Lower Upper
117 100
201 70.7 34.1 102.3





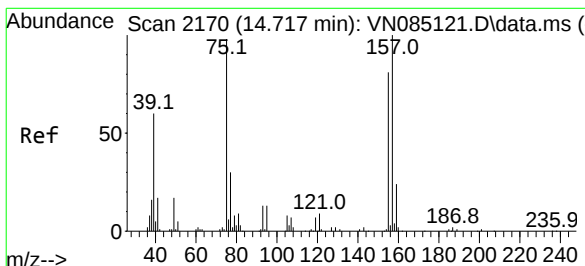
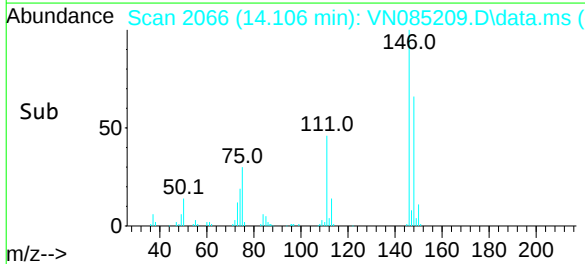
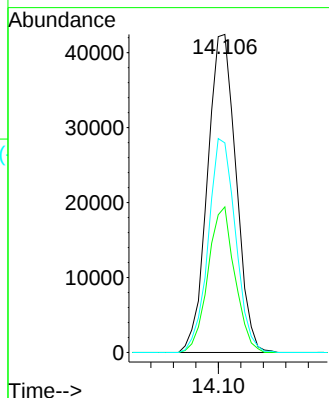
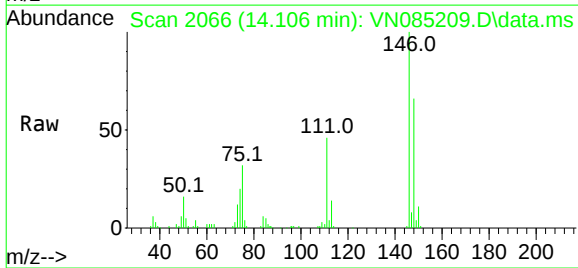
#87
1,2-Dichlorobenzene
Concen: 20.174 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:	146	Resp:	75009
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.9	65.7
148	64.2	32.4	97.0

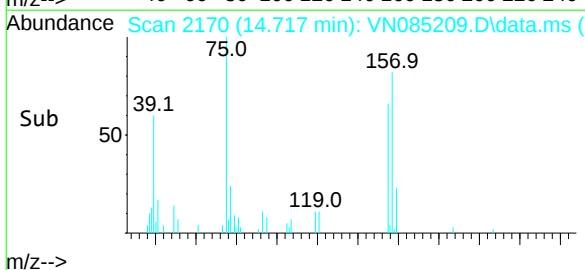
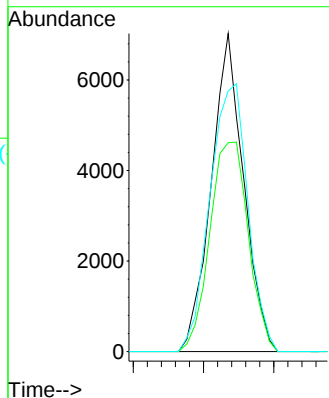
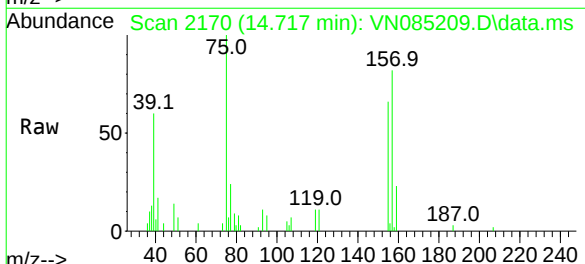
Manual Integrations
APPROVED

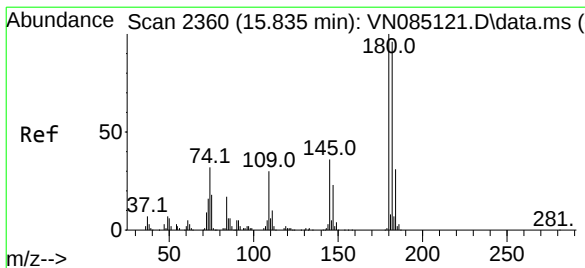
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#88
1,2-Dibromo-3-Chloropropane
Concen: 21.598 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:	75	Resp:	11257
Ion	Ratio	Lower	Upper
75	100		
155	78.1	62.1	93.1
157	98.6	79.3	118.9





#89

1,2,4-Trichlorobenzene

Concen: 20.638 ug/l

RT: 15.841 min Scan# 2360

Delta R.T. 0.006 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBSD01

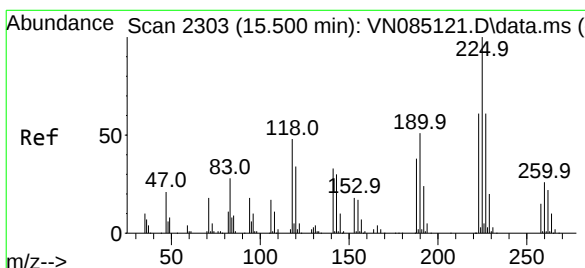
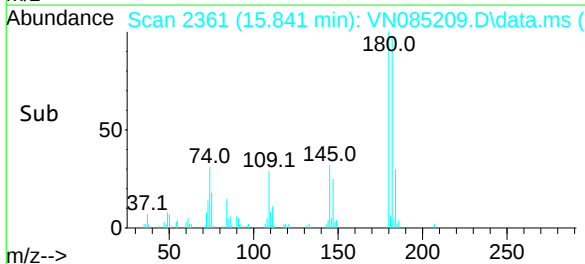
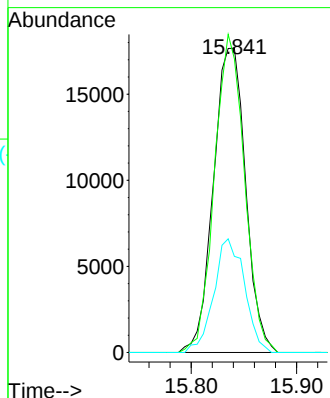
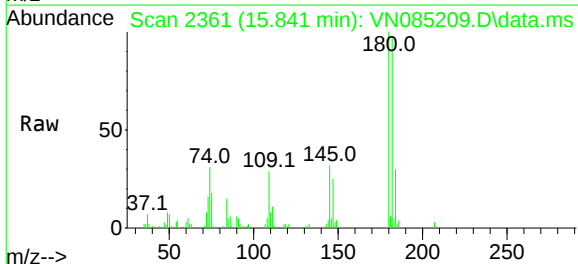
Tgt Ion:	180	Resp:	37581
Ion Ratio	Lower	Upper	
180	100		
182	97.2	74.0	111.0
145	35.6	28.6	43.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#90

Hexachlorobutadiene

Concen: 20.647 ug/l

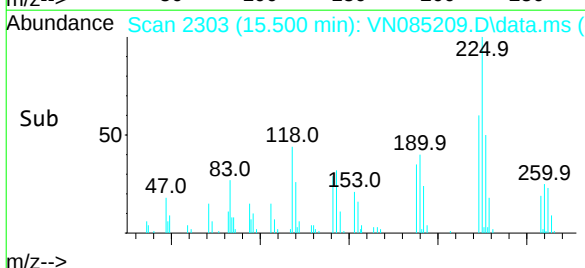
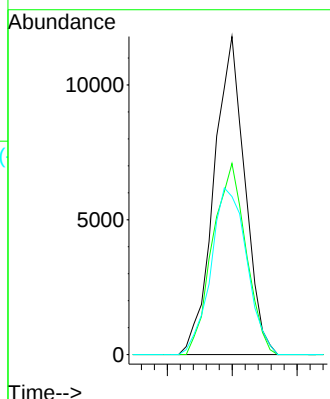
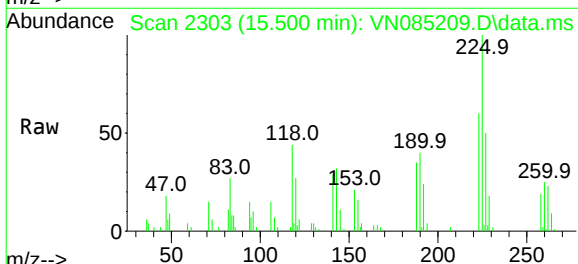
RT: 15.500 min Scan# 2303

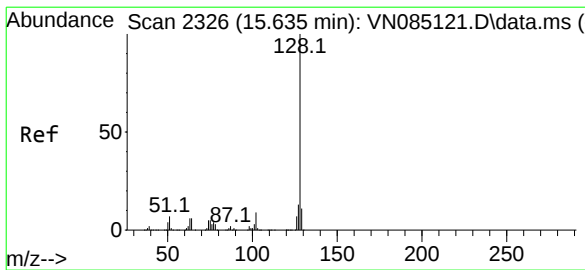
Delta R.T. 0.000 min

Lab File: VN085209.D

Acq: 16 Dec 2024 10:57

Tgt Ion:	225	Resp:	19537
Ion Ratio	Lower	Upper	
225	100		
223	65.0	0.0	121.8
227	60.8	0.0	126.8





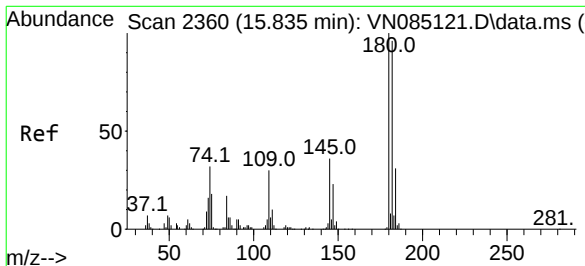
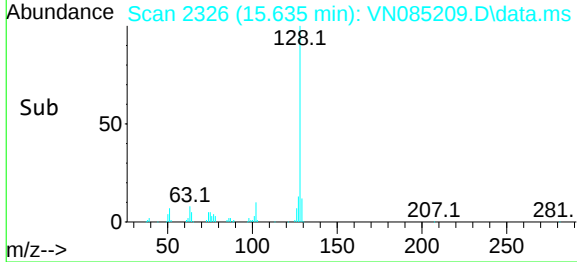
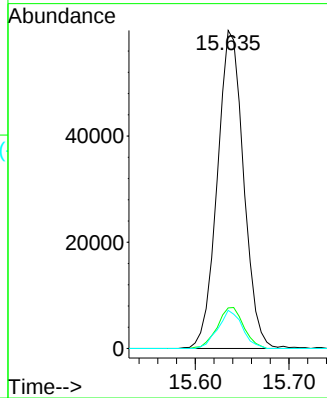
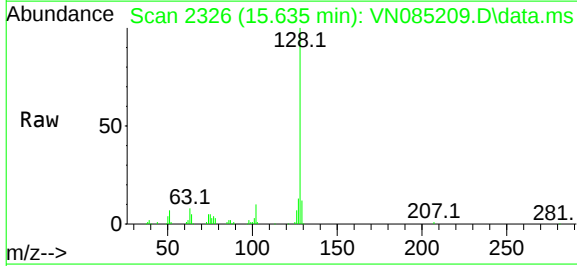
#91
Naphthalene
Concen: 20.616 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:	128	Resp:	116630
Ion	Ratio	Lower	Upper
128	100		
127	13.0	11.0	16.4
129	11.2	8.7	13.1

Manual Integrations
APPROVED

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



#92
1,2,3-Trichlorobenzene
Concen: 20.638 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:	180	Resp:	37581
Ion	Ratio	Lower	Upper
180	100		
182	97.2	0.0	185.0
145	35.6	0.0	71.6

