

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
 Data File : VN085208.D
 Acq On : 16 Dec 2024 10:19
 Operator : JC\MD
 Sample : VN1216WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS01

Manual Integrations
 APPROVED

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

Quant Time: Dec 16 12:21:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 06 22:50:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.806	128	30825	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	169823	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	155663	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	73444	30.028	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.100%			
60) 4-Bromofluorobenzene	12.847	95	76379	29.655	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.833%			
63) Toluene-d8	10.565	98	216652	29.671	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.900%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	49525	20.082	ug/l	96
3) Chloromethane	2.359	50	42692	19.558	ug/l	97
4) Vinyl Chloride	2.518	62	42995	19.257	ug/l	97
5) Bromomethane	2.965	94	28290	19.958	ug/l	99
6) Chloroethane	3.124	64	27287	19.893	ug/l	96
7) Trichlorofluoromethane	3.500	101	72626	19.872	ug/l	94
8) Diethyl Ether	3.959	74	22934	19.812	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	38921	19.044	ug/l	92
10) 1,1-Dichloroethene	4.347	96	36972	19.695	ug/l	96
11) Methyl Iodide	4.589	142	45944	17.647	ug/l	98
12) Methyl Acetate	5.024	43	42168	19.041	ug/l	91
13) Acrolein	4.183	56	34873	108.358	ug/l	94
14) Acrylonitrile	5.718	53	85647	93.137	ug/l	97
15) Acetone	4.430	58	25905	103.954	ug/l	96
16) Carbon Disulfide	4.712	76	106931	19.057	ug/l	99
17) Allyl chloride	5.024	41	53377	19.871	ug/l	94
18) Methylene Chloride	5.277	84	39484	18.537	ug/l	93
19) trans-1,2-Dichloroethene	5.789	96	38087	19.519	ug/l	89
20) Diisopropyl ether	6.665	45	115380	19.573	ug/l	97
21) 1,1-Dichloroethane	6.559	63	71315	19.601	ug/l	98
22) cis-1,2-Dichloroethene	7.483	96	43904	19.576	ug/l	99
23) tert-Butyl Alcohol	5.506	59	31898	96.694	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	116497	19.863	ug/l #	76
25) Chloroform	7.965	83	75307	19.757	ug/l	94
26) Cyclohexane	8.253	56	57940	19.340	ug/l #	95
29) 1,1-Dichloropropene	8.365	75	50315	18.361	ug/l	99
30) 2-Butanone	7.483	43	116422	92.579	ug/l	99
31) 2,2-Dichloropropane	7.488	77	65751	18.711	ug/l #	100
32) 1,1,1-Trichloroethane	8.171	97	69008	18.605	ug/l	97
33) Carbon Tetrachloride	8.359	117	63544	18.985	ug/l	94
34) Benzene	8.606	78	158668	18.431	ug/l	99
35) Methacrylonitrile	7.777	41	26103	18.445	ug/l	87
36) 1,2-Dichloroethane	8.665	62	53550	18.273	ug/l	100
37) Trichloroethene	9.347	130	37914	18.494	ug/l	95
38) Methylcyclohexane	9.600	83	55860	18.747	ug/l	95
39) 1,2-Dichloropropane	9.618	63	38631	18.527	ug/l	98
40) Dibromomethane	9.706	93	27987	18.712	ug/l	97
41) Bromodichloromethane	9.882	83	58391	18.262	ug/l	96
42) Vinyl Acetate	6.600	43	416125	94.564	ug/l	99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 06 22:50:42 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	46077	18.415	ug/l	92
44) Isopropyl Acetate	8.682	43	79121	18.196	ug/l	100
45) 1,4-Dioxane	9.694	88	13749	379.179	ug/l	98
46) Methyl methacrylate	9.677	41	36110	18.146	ug/l	95
47) n-amyl Acetate	12.488	43	65132	17.803	ug/l	97
48) t-1,3-Dichloropropene	10.835	75	57919	18.453	ug/l	100
49) cis-1,3-Dichloropropene	10.306	75	63332	18.535	ug/l	98
50) 1,1,2-Trichloroethane	11.012	97	36370	18.046	ug/l	91
51) Ethyl methacrylate	10.871	69	55409	18.076	ug/l	98
52) 1,3-Dichloropropane	11.159	76	61421	18.210	ug/l	99
53) Dibromochloromethane	11.353	129	45949	18.708	ug/l	99
54) 1,2-Dibromoethane	11.465	107	37104	18.272	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	86871	61.005	ug/l	100
56) Bromoform	12.576	173	29455	17.887	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	230551	90.751	ug/l	98
59) 2-Hexanone	11.194	43	172668	89.701	ug/l	97
61) Tetrachloroethene	11.100	164	36077	19.138	ug/l	91
62) Toluene	10.624	91	171579	18.900	ug/l	100
64) Chlorobenzene	11.888	112	105060	18.744	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.953	131	38827	18.556	ug/l	98
66) Ethyl Benzene	11.959	91	180124	18.698	ug/l	96
67) m/p-Xylenes	12.070	106	140933	38.037	ug/l	98
68) o-Xylene	12.394	106	66910	19.229	ug/l	97
69) Styrene	12.406	104	110123	18.651	ug/l	99
70) Isopropylbenzene	12.694	105	172891	19.264	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	50789	18.592	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	41267m	15.293	ug/l	
73) Bromobenzene	12.976	156	41970	18.670	ug/l	99
74) n-propylbenzene	13.029	91	200993	18.628	ug/l	99
75) 2-Chlorotoluene	13.123	91	126691	18.991	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	148740	19.344	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	18403	18.768	ug/l	99
78) 4-Chlorotoluene	13.217	91	127983	18.901	ug/l	99
79) tert-butylbenzene	13.435	119	119374	18.902	ug/l	96
80) 1,2,4-Trimethylbenzene	13.476	105	147735	19.451	ug/l	99
81) sec-Butylbenzene	13.612	105	170821	19.039	ug/l	99
82) p-Isopropyltoluene	13.723	119	143795	19.331	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	76871	18.638	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	76385	19.003	ug/l	99
85) n-Butylbenzene	14.053	91	119073	19.083	ug/l	100
86) Hexachloroethane	14.329	117	27875	18.824	ug/l	93
87) 1,2-Dichlorobenzene	14.100	146	72871	18.718	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	9899	18.139	ug/l	99
89) 1,2,4-Trichlorobenzene	15.835	180	37230	19.527	ug/l	96
90) Hexachlorobutadiene	15.494	225	20120	20.308	ug/l	97
91) Naphthalene	15.635	128	112126	18.930	ug/l	98
92) 1,2,3-Trichlorobenzene	15.835	180	37230	19.527	ug/l	96

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

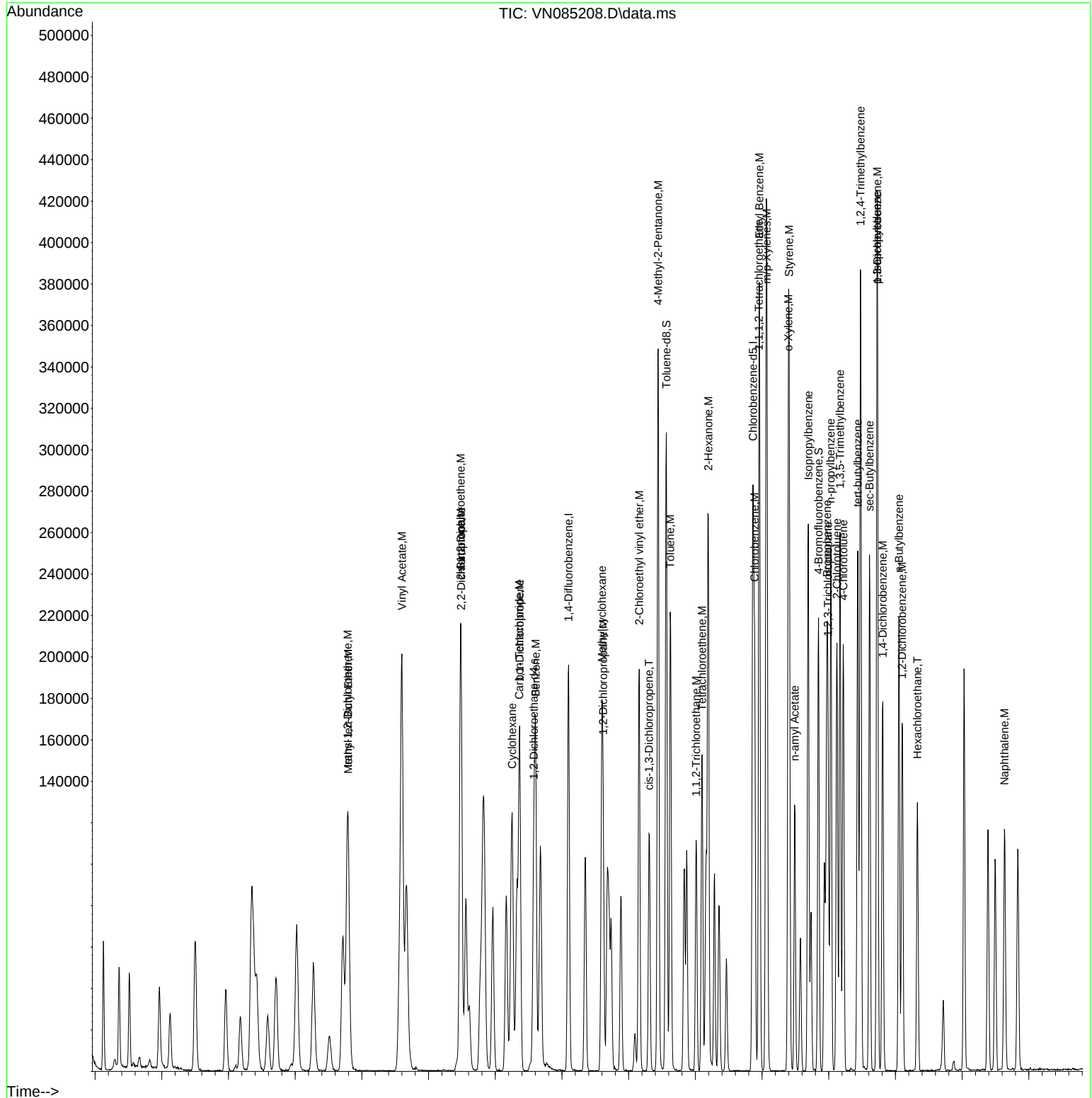
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
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Sample : VN1216WBS01
Misc : 5.0mL/MSVOA_N/WATER
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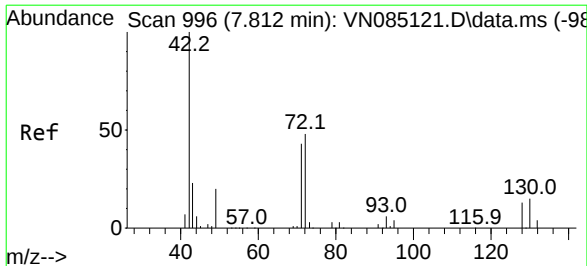
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

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Supervised By : Mahesh Dadoda 12/17/2024

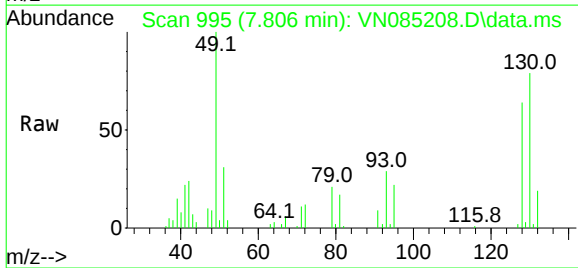
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

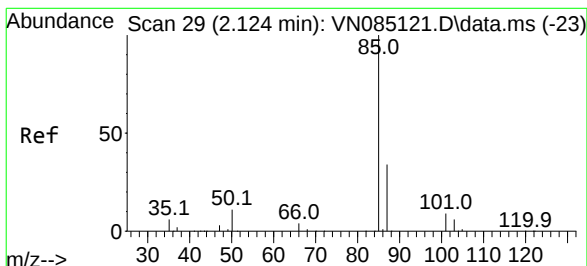
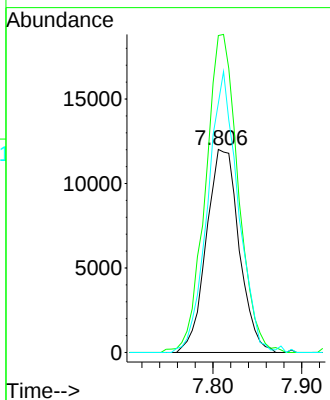
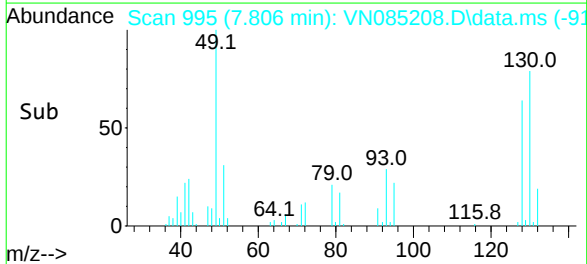
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



Tgt Ion: 128 Resp: 30825
Ion Ratio Lower Upper
128 100
49 156.0 0.0 394.5
130 128.2 0.0 316.5

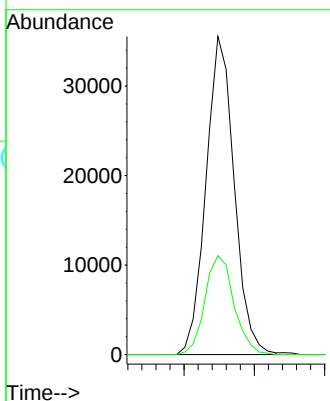
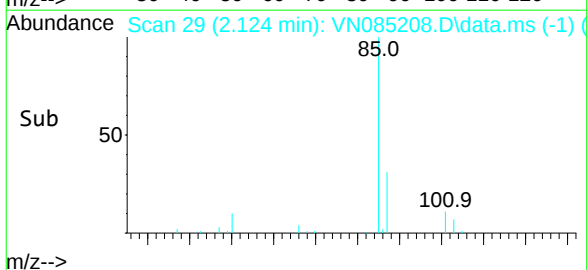
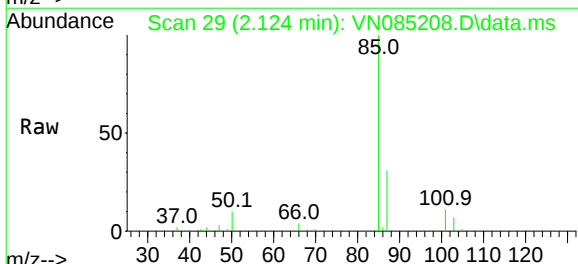
Manual Integrations
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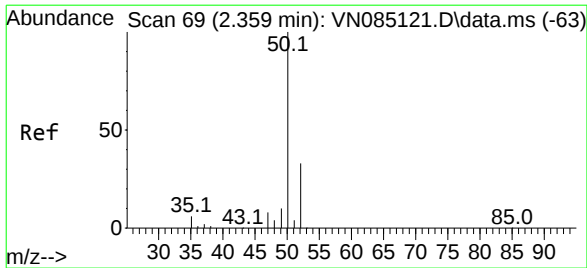
Reviewed By : John Carlone 12/16/2024
Supervised By : Mahesh Dadoda 12/17/2024



#2
Dichlorodifluoromethane
Concen: 20.082 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

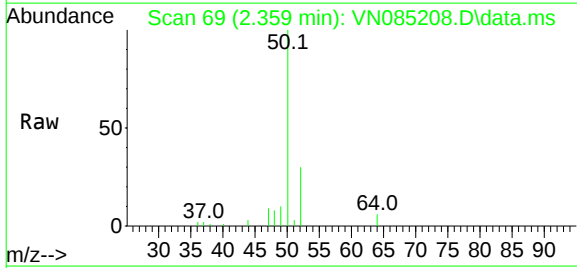
Tgt Ion: 85 Resp: 49525
Ion Ratio Lower Upper
85 100
87 31.1 16.8 50.3





#3
Chloromethane
Concen: 19.558 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

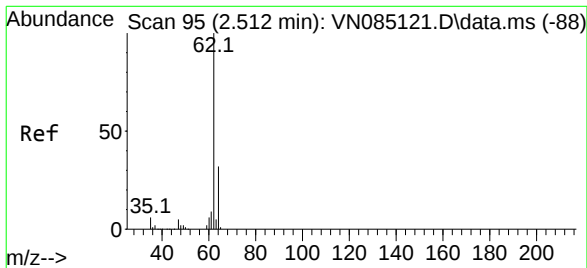
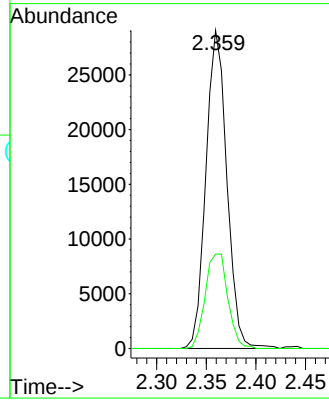
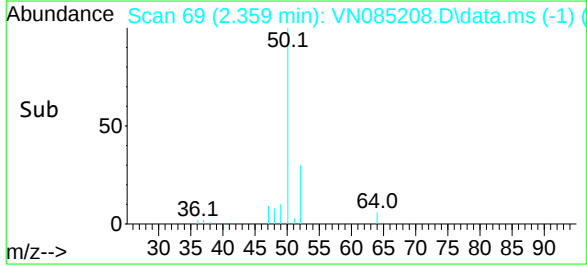
Instrument :
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ClientSampleId :
VN1216WBS01



Tgt Ion: 50 Resp: 42692
Ion Ratio Lower Upper
50 100
52 29.7 25.0 37.4

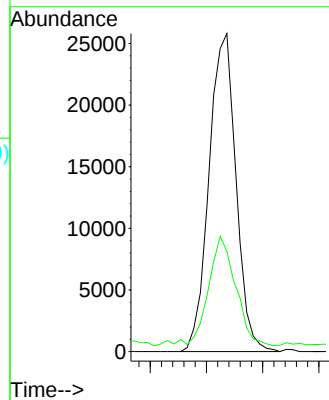
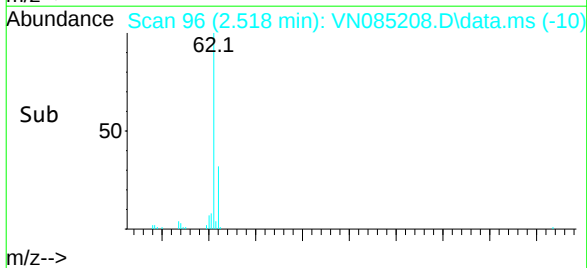
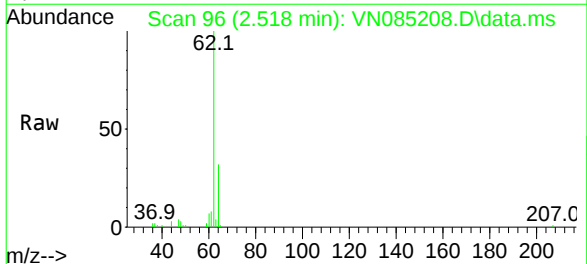
Manual Integrations
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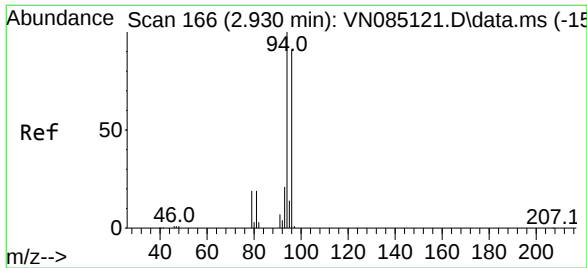
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#4
Vinyl Chloride
Concen: 19.257 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

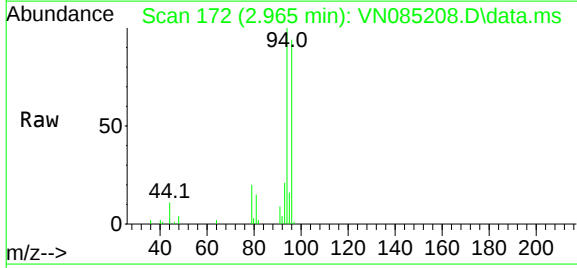
Tgt Ion: 62 Resp: 42995
Ion Ratio Lower Upper
62 100
64 29.6 24.9 37.3





#5
Bromomethane
Concen: 19.958 ug/l
RT: 2.965 min Scan# 171
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

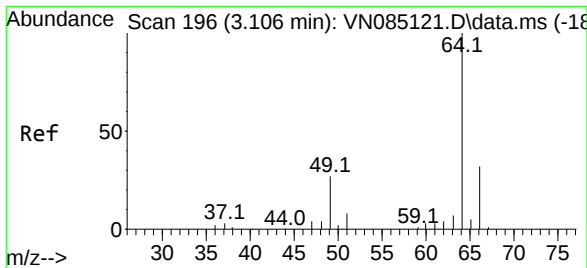
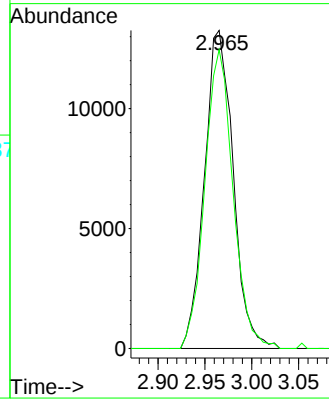
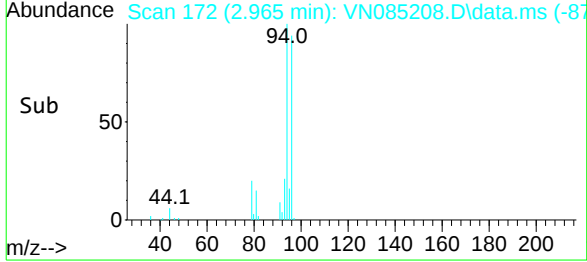
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Tgt Ion: 94 Resp: 28290
Ion Ratio Lower Upper
94 100
96 93.9 76.2 114.4

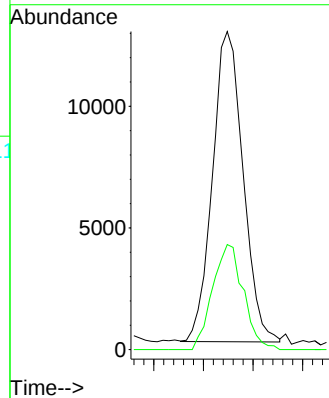
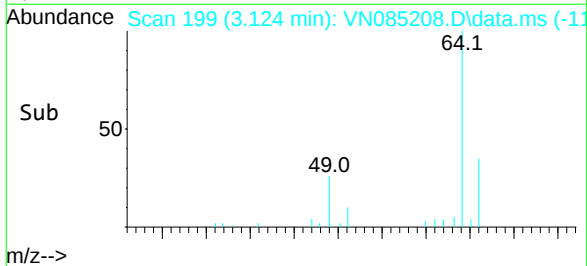
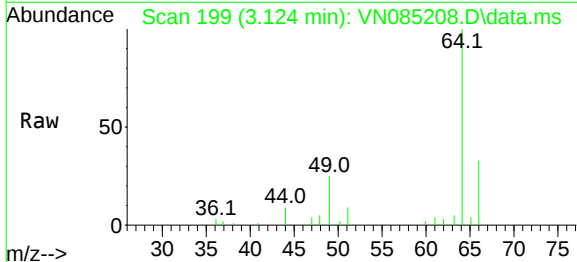
Manual Integrations
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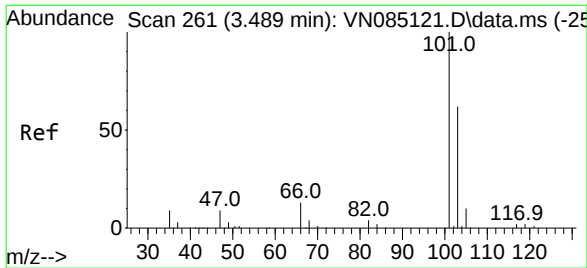
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#6
Chloroethane
Concen: 19.893 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

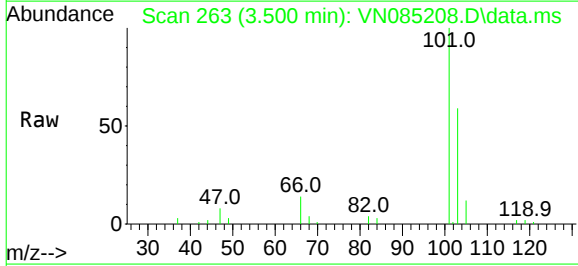
Tgt Ion: 64 Resp: 27287
Ion Ratio Lower Upper
64 100
66 33.9 25.5 38.3





#7
 Trichlorofluoromethane
 Concen: 19.872 ug/l
 RT: 3.500 min Scan# 261
 Delta R.T. 0.000 min
 Lab File: VN085208.D
 Acq: 16 Dec 2024 10:19

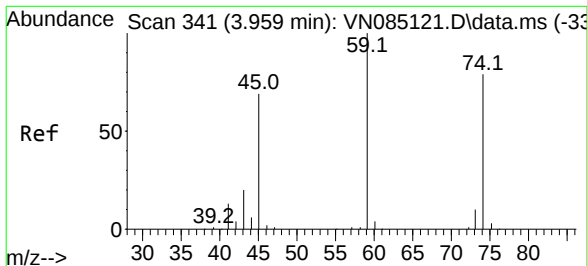
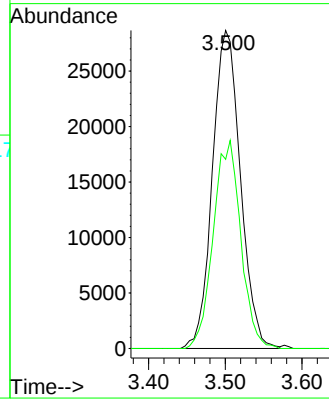
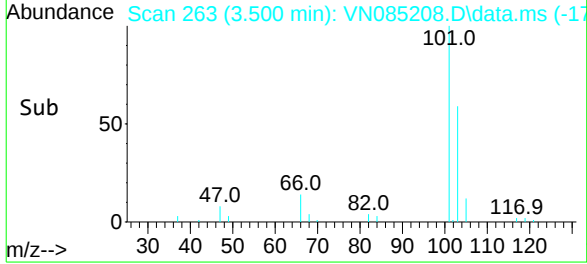
Instrument :
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Tgt Ion: 101 Resp: 72626
 Ion Ratio Lower Upper
 101 100
 103 59.5 51.3 76.9

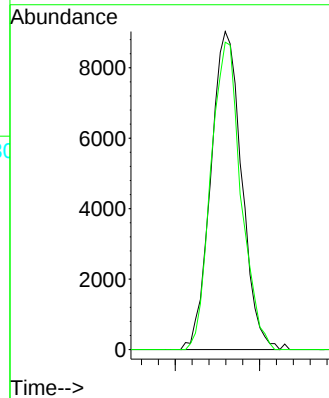
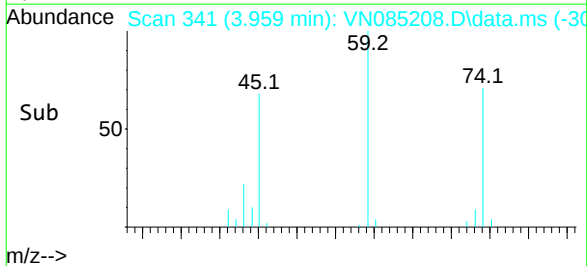
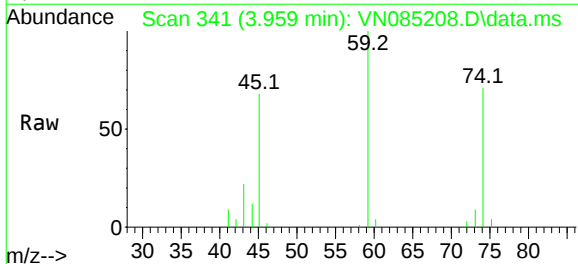
Manual Integrations
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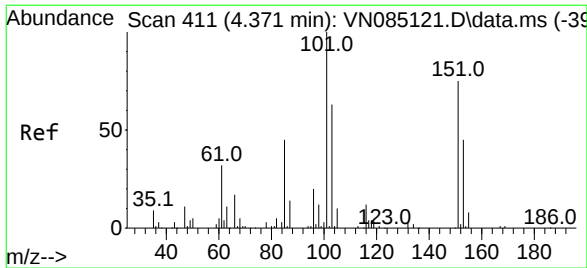
Reviewed By : John Carlone 12/16/2024
 Supervised By : Mahesh Dadoda 12/17/2024



#8
 Diethyl Ether
 Concen: 19.812 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. 0.000 min
 Lab File: VN085208.D
 Acq: 16 Dec 2024 10:19

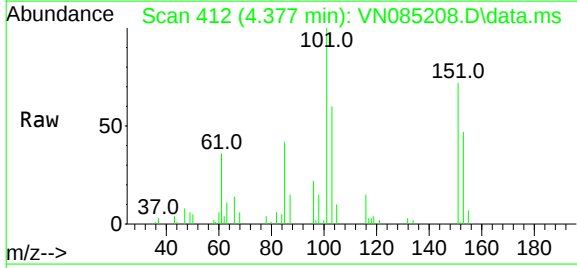
Tgt Ion: 74 Resp: 22934
 Ion Ratio Lower Upper
 74 100
 45 94.4 18.6 167.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.044 ug/l
RT: 4.377 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN085208.D
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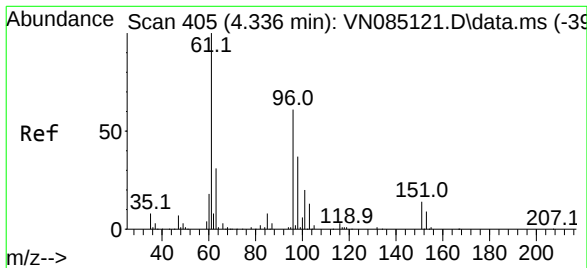
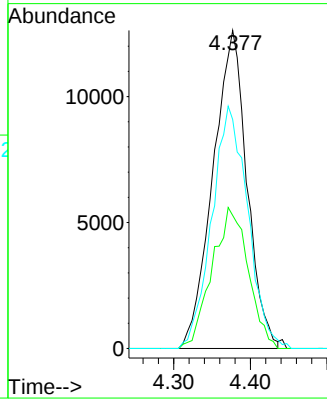
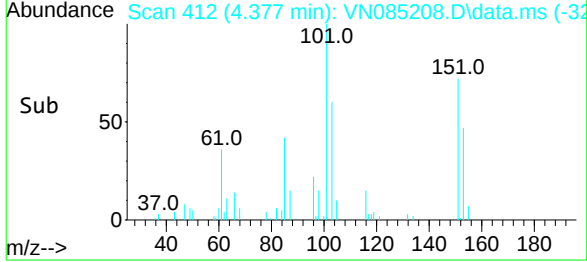
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



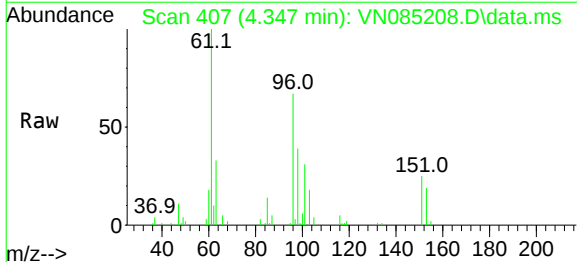
Tgt Ion: 101 Resp: 38921
Ion Ratio Lower Upper
101 100
85 32.3 0.0 88.6
151 80.3 0.0 155.8

Manual Integrations
APPROVED

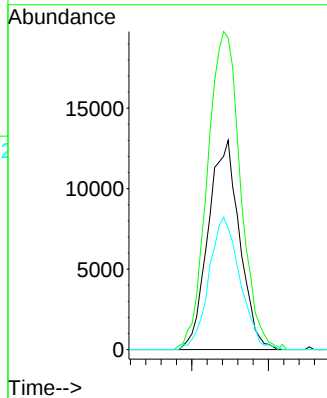
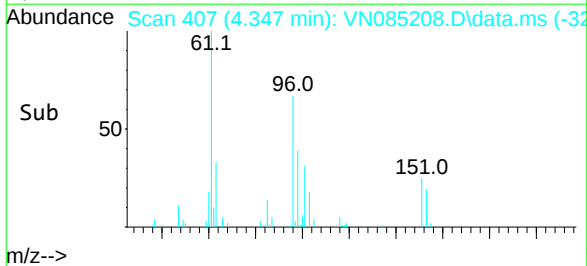
Reviewed By : John Carlone 12/16/2024
Supervised By : Mahesh Dadoda 12/17/2024

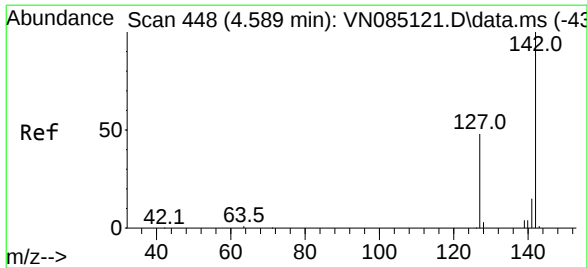


#10
1,1-Dichloroethene
Concen: 19.695 ug/l
RT: 4.347 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19



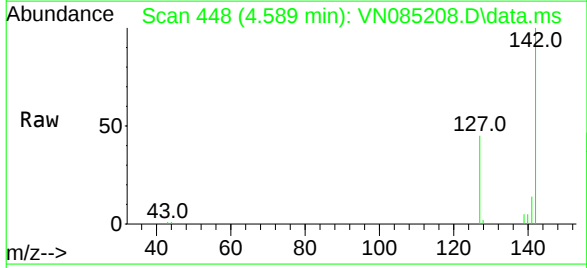
Tgt Ion: 96 Resp: 36972
Ion Ratio Lower Upper
96 100
61 148.9 123.0 184.4
98 57.8 49.1 73.7





#11
Methyl Iodide
Concen: 17.647 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

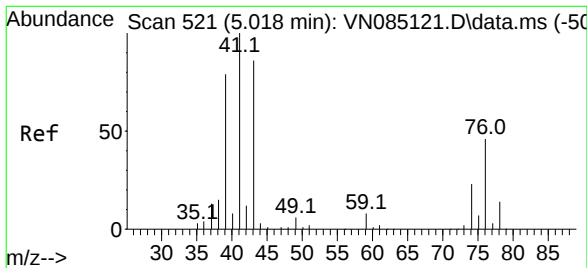
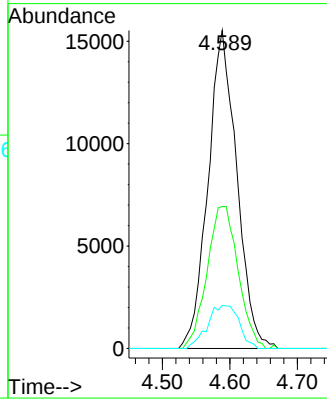
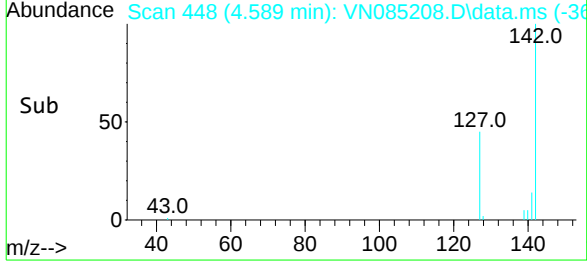
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



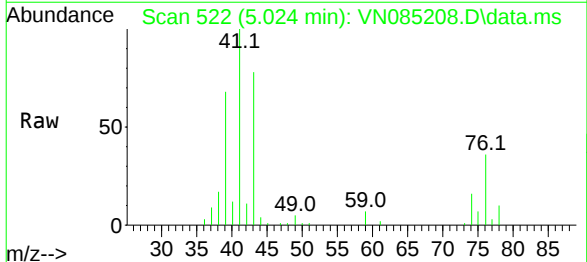
Tgt Ion: 142 Resp: 45944
Ion Ratio Lower Upper
142 100
127 44.6 22.5 67.5
141 13.5 8.3 24.9

Manual Integrations
APPROVED

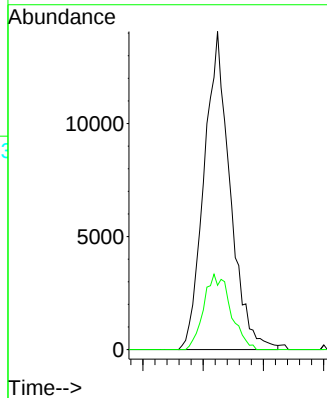
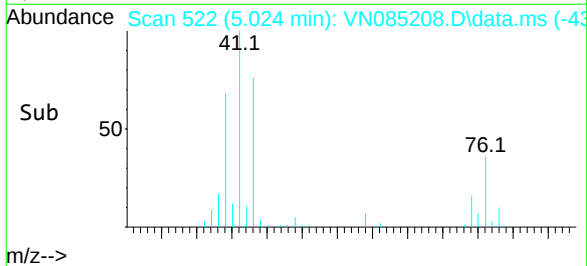
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

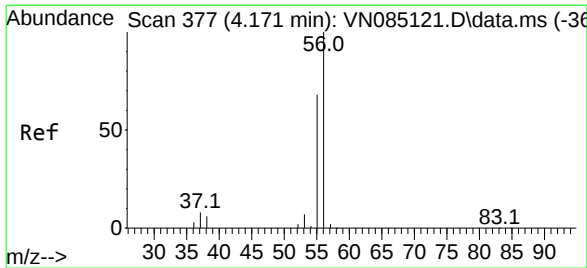


#12
Methyl Acetate
Concen: 19.041 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19



Tgt Ion: 43 Resp: 42168
Ion Ratio Lower Upper
43 100
74 20.3 19.8 29.6





#13

Acrolein

Concen: 108.358 ug/l

RT: 4.183 min Scan# 37

Delta R.T. 0.000 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01

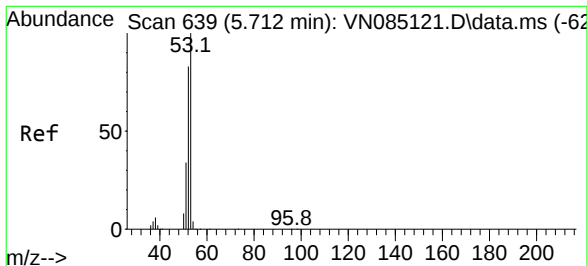
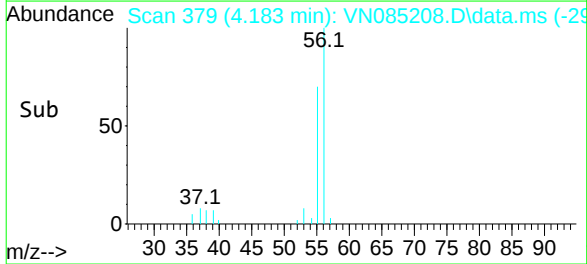
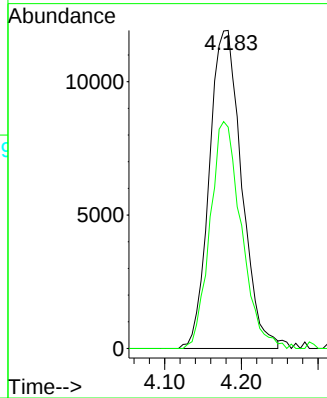
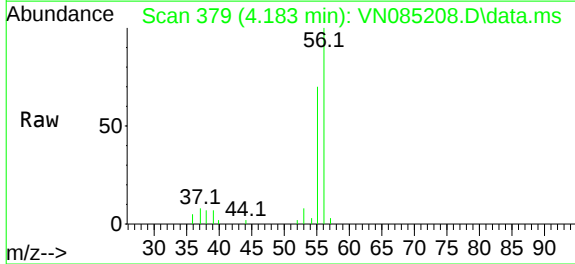
Tgt Ion:	56	Resp:	34873
Ion	Ratio	Lower	Upper
56	100		
55	69.0	59.4	89.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#14

Acrylonitrile

Concen: 93.137 ug/l

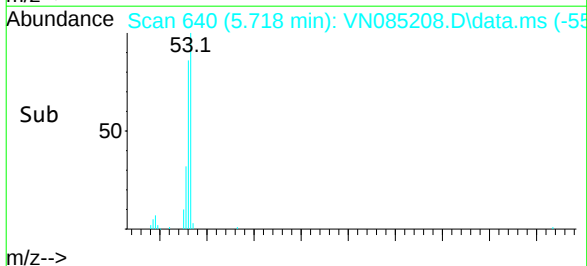
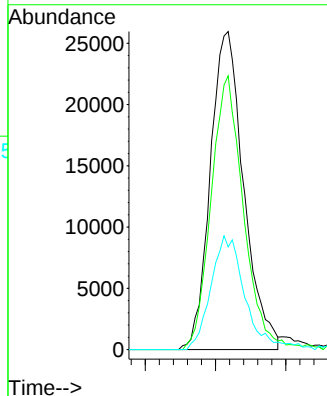
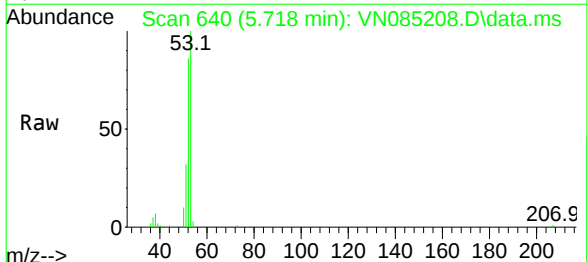
RT: 5.718 min Scan# 640

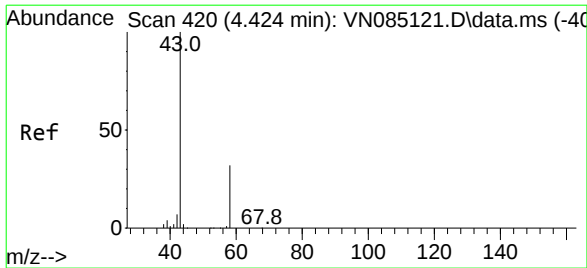
Delta R.T. 0.000 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

Tgt Ion:	53	Resp:	85647
Ion	Ratio	Lower	Upper
53	100		
52	82.7	42.9	128.5
51	35.7	17.2	51.5





#15

Acetone

Concen: 103.954 ug/l

RT: 4.430 min Scan# 420

Delta R.T. 0.006 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01

Tgt Ion: 58 Resp: 25905

Ion Ratio Lower Upper

58 100

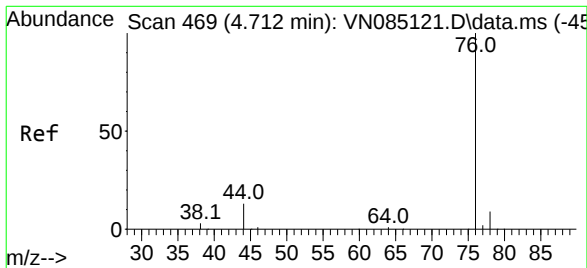
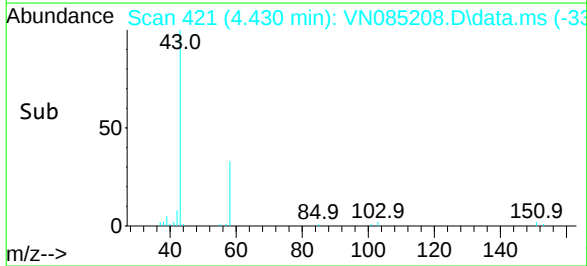
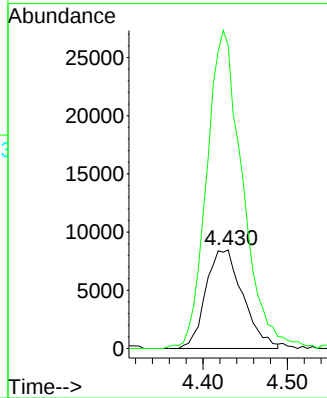
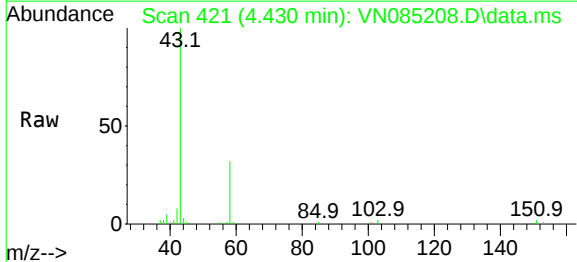
43 311.0 242.3 363.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#16

Carbon Disulfide

Concen: 19.057 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN085208.D

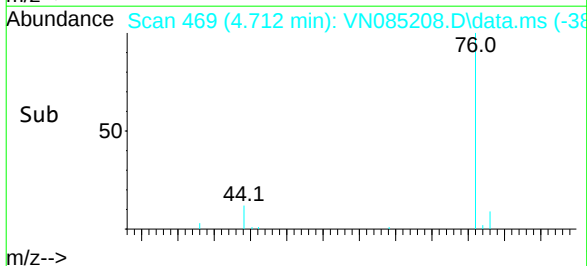
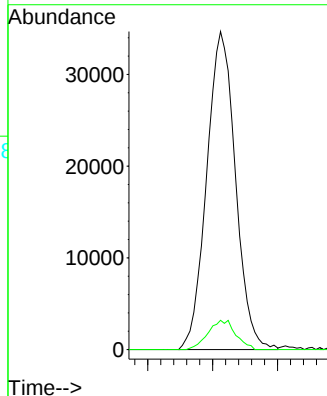
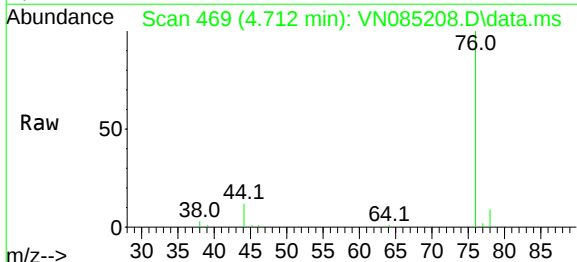
Acq: 16 Dec 2024 10:19

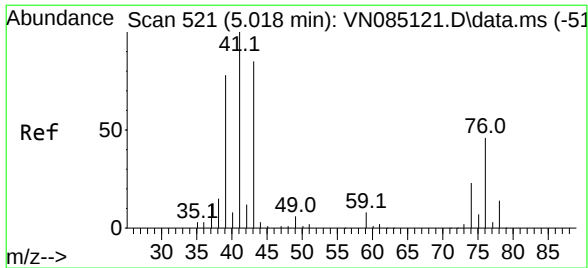
Tgt Ion: 76 Resp: 106931

Ion Ratio Lower Upper

76 100

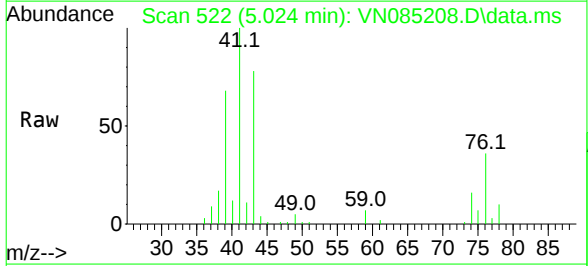
78 9.2 7.1 10.7





#17
 Allyl chloride
 Concen: 19.871 ug/l
 RT: 5.024 min Scan# 521
 Delta R.T. 0.000 min
 Lab File: VN085208.D
 Acq: 16 Dec 2024 10:19

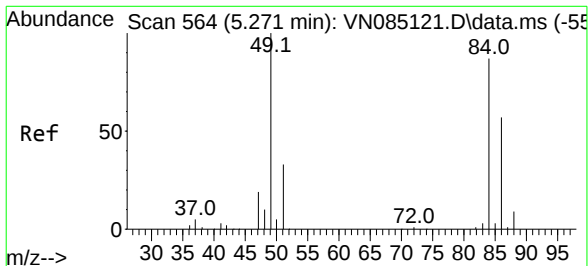
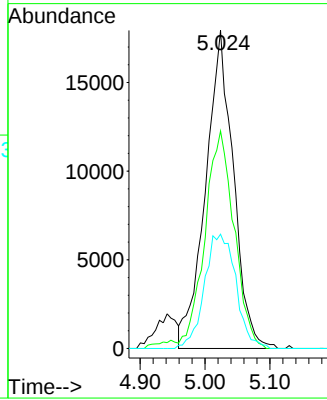
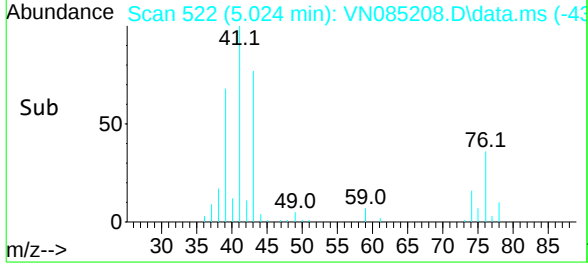
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS01



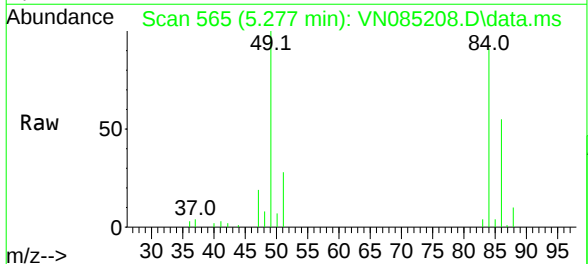
Tgt Ion:	41	Resp:	53377
Ion	Ratio	Lower	Upper
41	100		
39	68.4	32.0	96.2
76	35.9	20.2	60.5

Manual Integrations
 APPROVED

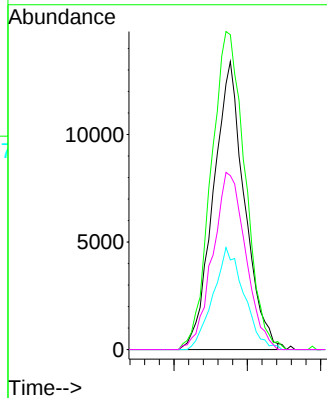
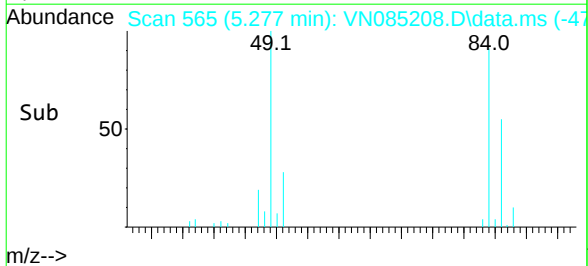
Reviewed By :John Carlone 12/16/2024
 Supervised By :Mahesh Dadoda 12/17/2024

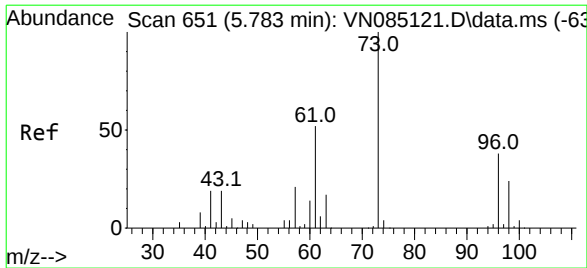


#18
 Methylene Chloride
 Concen: 18.537 ug/l
 RT: 5.277 min Scan# 565
 Delta R.T. 0.006 min
 Lab File: VN085208.D
 Acq: 16 Dec 2024 10:19



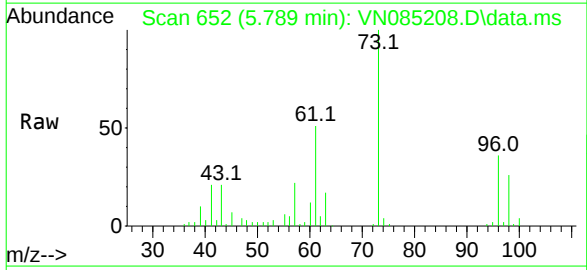
Tgt Ion:	84	Resp:	39484
Ion	Ratio	Lower	Upper
84	100		
49	109.3	95.1	142.7
51	31.1	27.4	41.0
86	60.4	50.9	76.3





#19
trans-1,2-Dichloroethene
Concen: 19.519 ug/l
RT: 5.789 min Scan# 651
Delta R.T. 0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

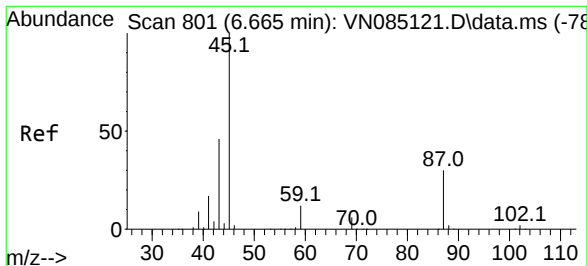
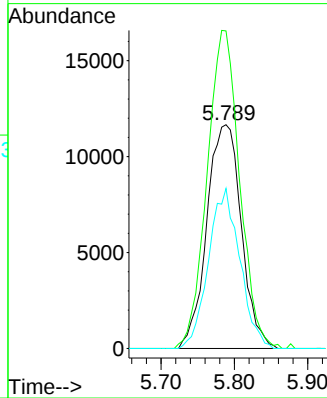
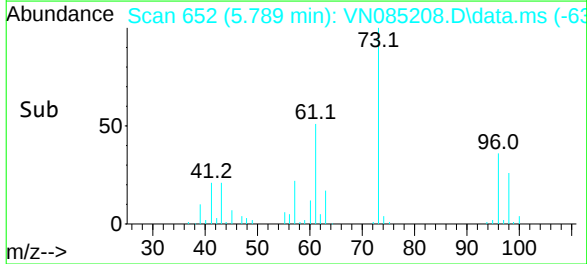
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



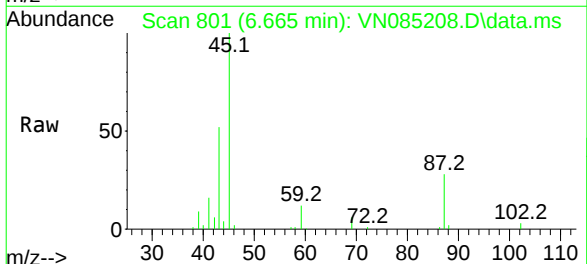
Tgt Ion: 96 Resp: 38087
Ion Ratio Lower Upper
96 100
61 140.1 100.4 150.6
98 71.5 52.6 79.0

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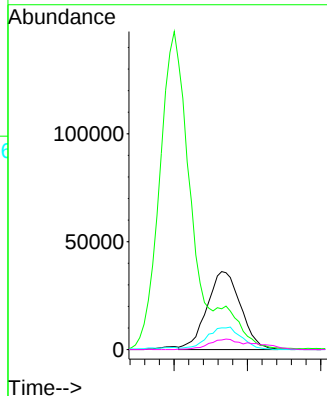
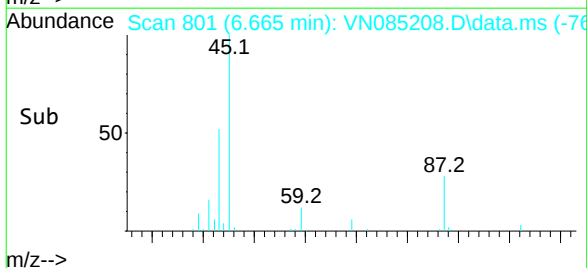
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

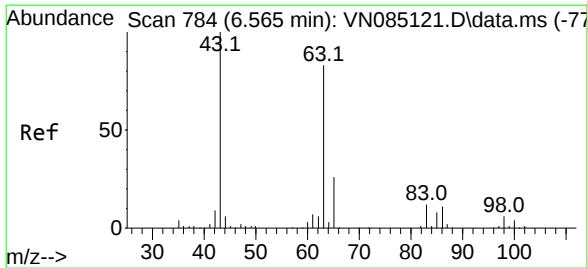


#20
Diisopropyl ether
Concen: 19.573 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19



Tgt Ion: 45 Resp: 115380
Ion Ratio Lower Upper
45 100
43 50.4 41.9 62.9
87 28.0 24.1 36.1
59 11.9 10.0 15.0





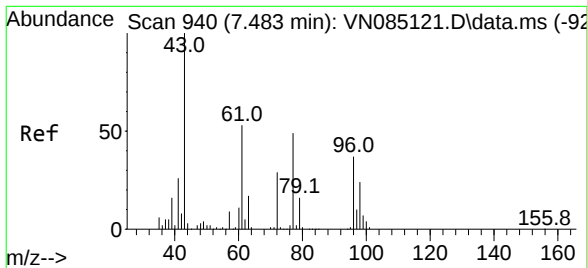
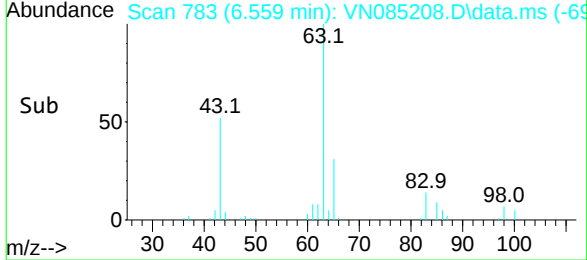
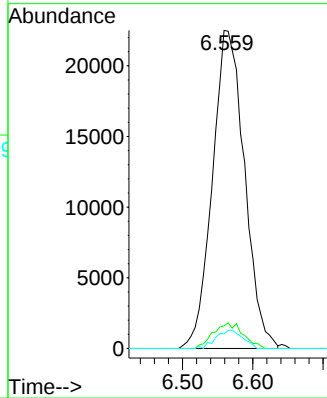
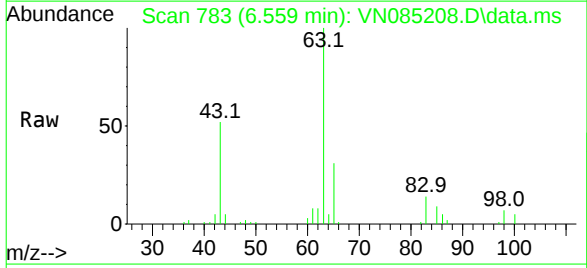
#21
1,1-Dichloroethane
Concen: 19.601 ug/l
RT: 6.559 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 63	Resp: 71315
Ion Ratio	Lower Upper
63 100	
98 7.1	3.5 10.4
100 4.6	1.6 4.8

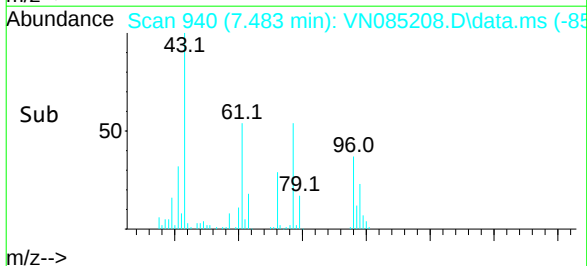
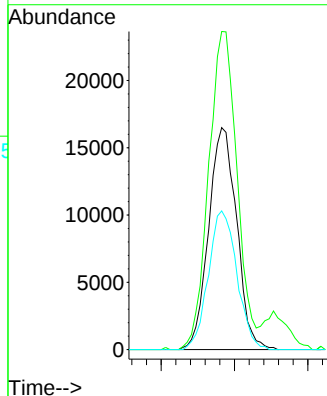
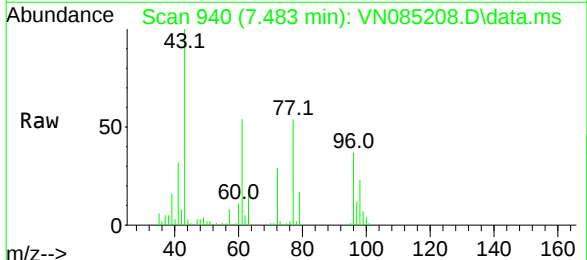
Manual Integrations
APPROVED

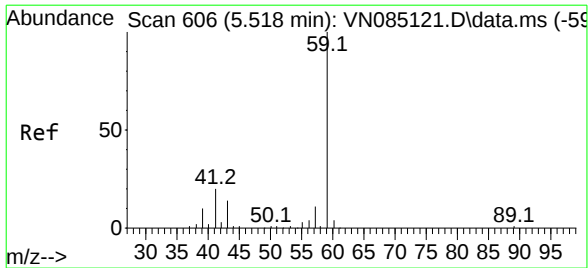
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#22
cis-1,2-Dichloroethene
Concen: 19.576 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 96	Resp: 43904
Ion Ratio	Lower Upper
96 100	
61 144.6	115.9 173.9
98 63.6	51.8 77.8





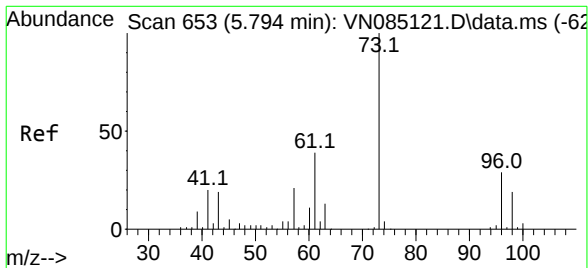
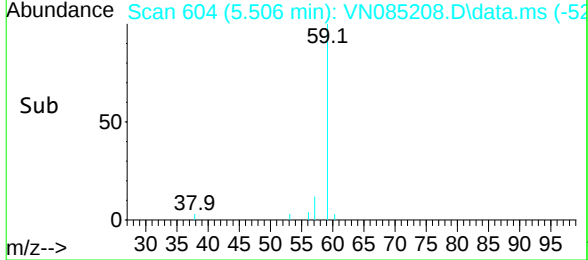
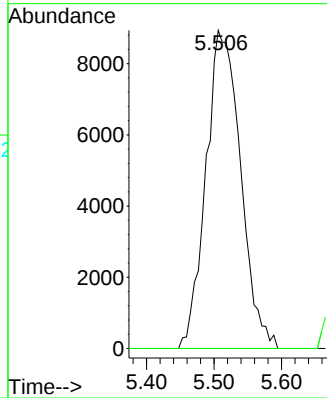
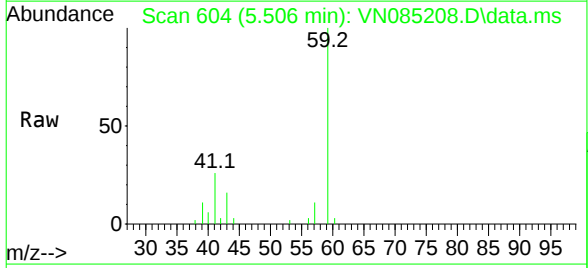
#23
tert-Butyl Alcohol
Concen: 96.694 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 59 Resp: 31898
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

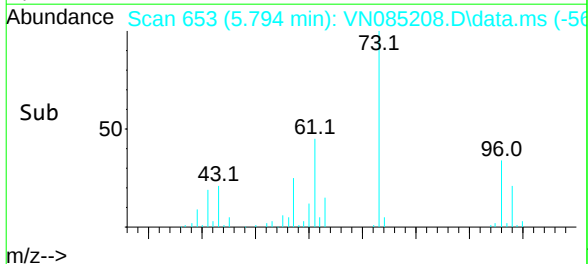
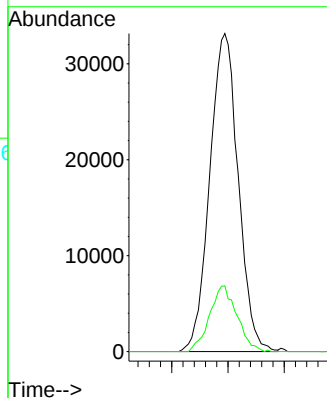
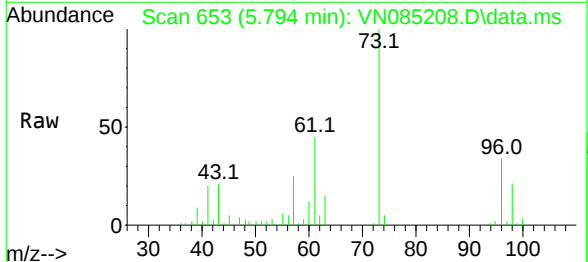
Manual Integrations
APPROVED

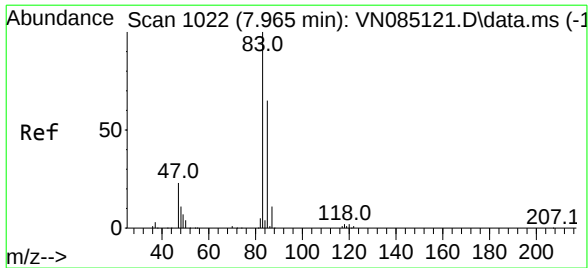
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#24
Methyl tert-Butyl Ether
Concen: 19.863 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 73 Resp: 116497
Ion Ratio Lower Upper
73 100
43 19.8 8.7 13.1#





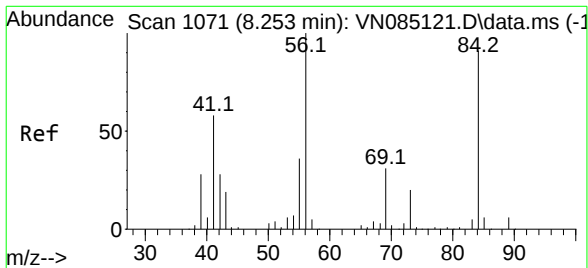
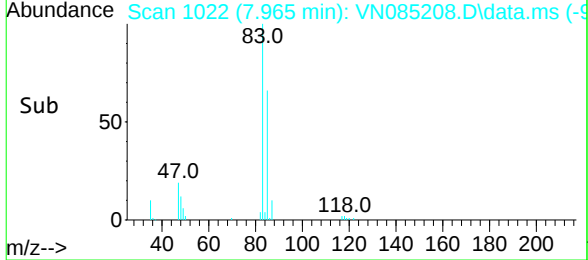
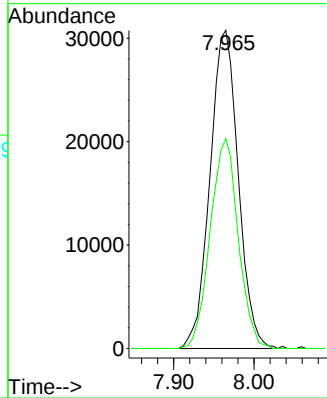
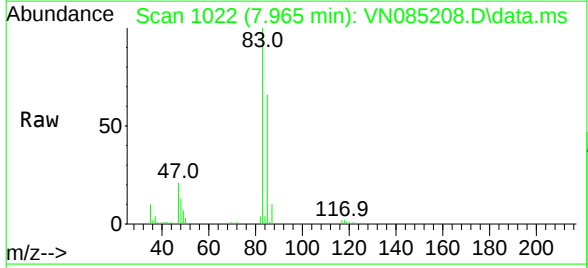
#25
Chloroform
Concen: 19.757 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 83 Resp: 75307
Ion Ratio Lower Upper
83 100
85 66.0 49.4 74.0

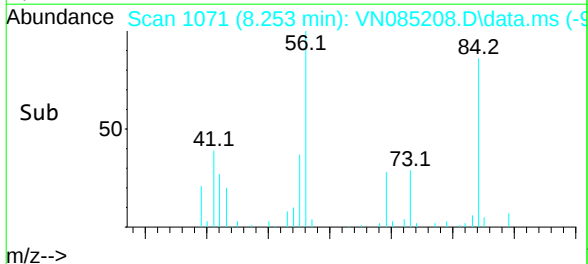
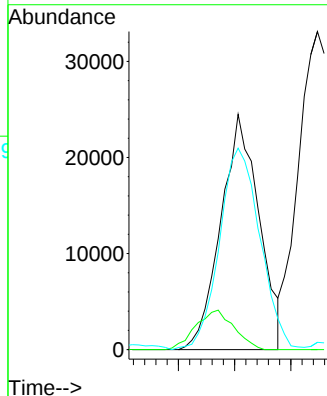
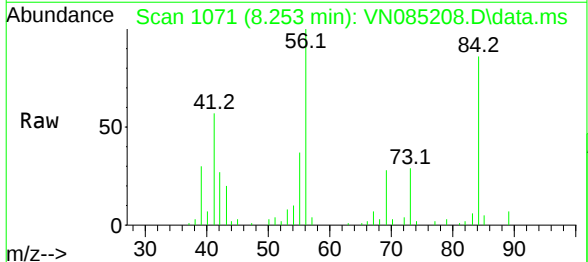
Manual Integrations
APPROVED

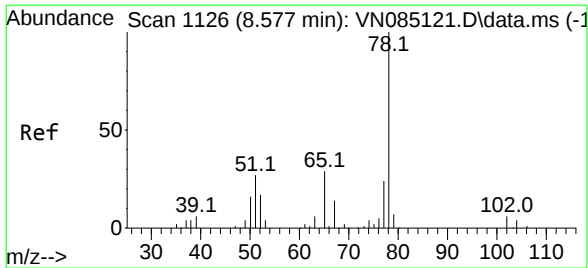
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#26
Cyclohexane
Concen: 19.340 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 56 Resp: 57940
Ion Ratio Lower Upper
56 100
89 16.8 19.5 29.3#
84 90.7 70.6 105.8





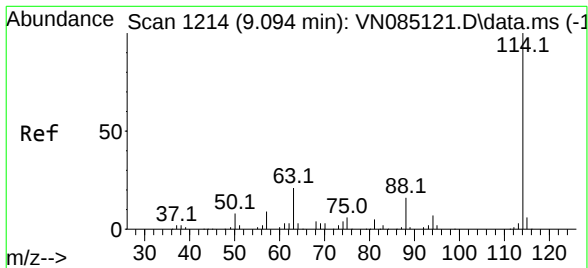
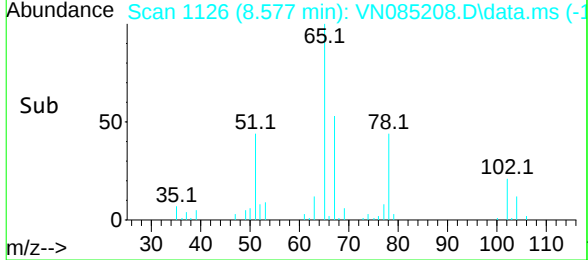
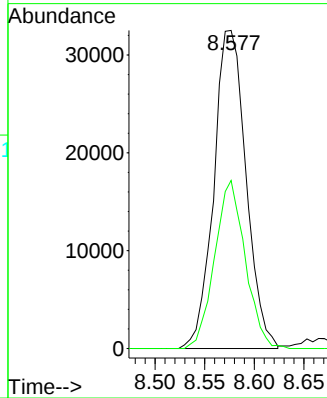
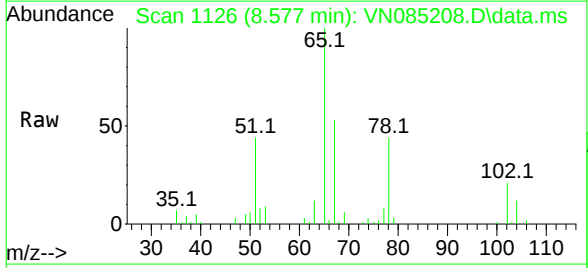
#27
1,2-Dichloroethane-d4
Concen: 30.028 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 65 Resp: 73444
Ion Ratio Lower Upper
65 100
67 49.8 39.9 59.9

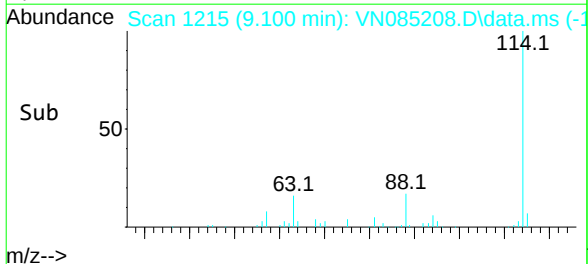
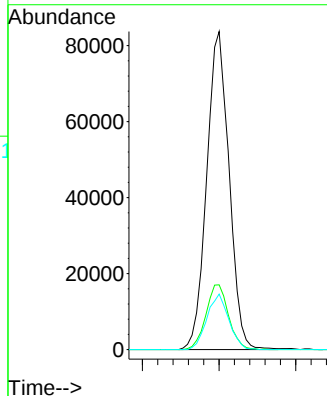
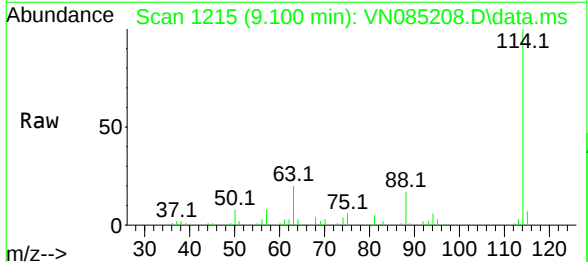
Manual Integrations
APPROVED

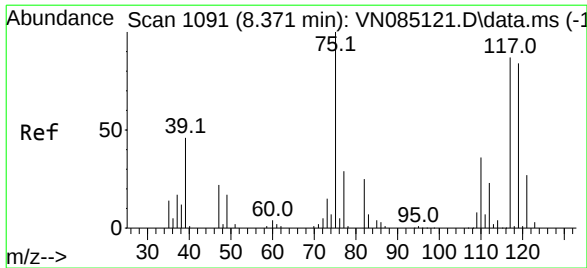
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

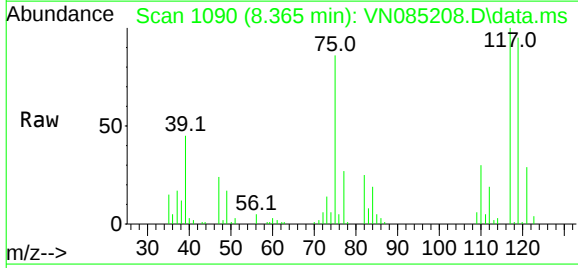
Tgt Ion:114 Resp: 169823
Ion Ratio Lower Upper
114 100
63 20.5 16.2 24.2
88 17.0 12.5 18.7





#29
1,1-Dichloropropene
Concen: 18.361 ug/l
RT: 8.365 min Scan# 1091
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

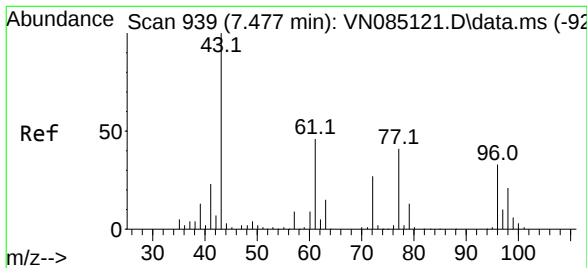
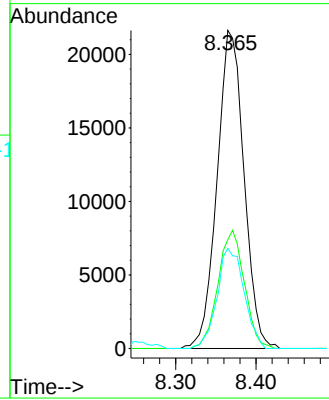
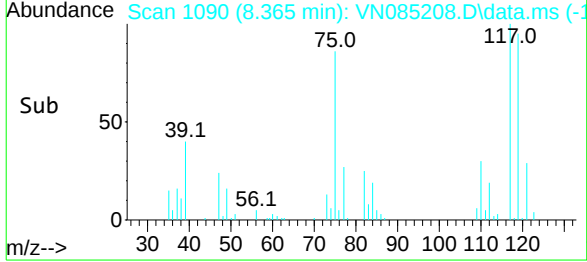
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



Tgt Ion: 75 Resp: 50315
Ion Ratio Lower Upper
75 100
110 36.4 0.0 71.6
77 31.7 0.0 62.2

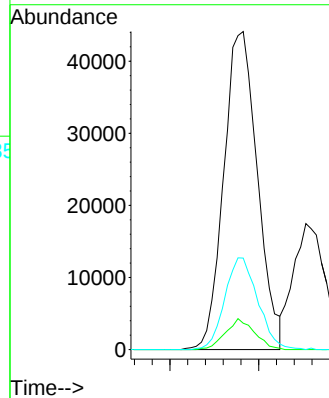
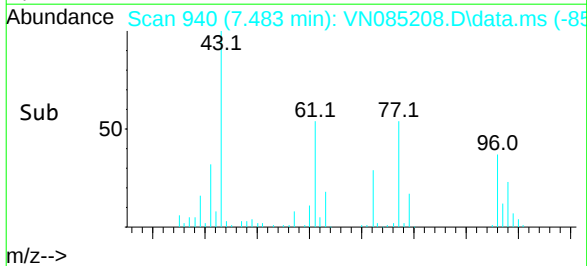
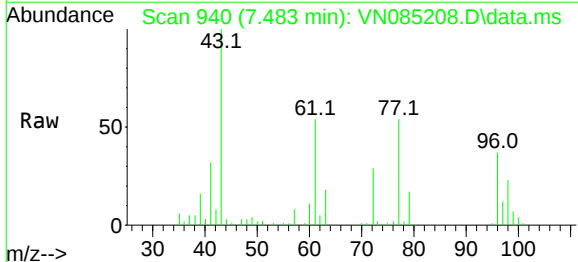
Manual Integrations
APPROVED

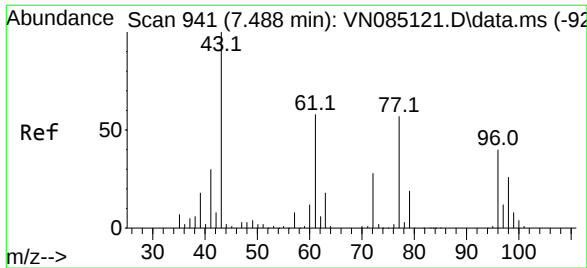
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#30
2-Butanone
Concen: 92.579 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 43 Resp: 116422
Ion Ratio Lower Upper
43 100
57 8.4 6.9 10.3
72 28.2 21.8 32.8





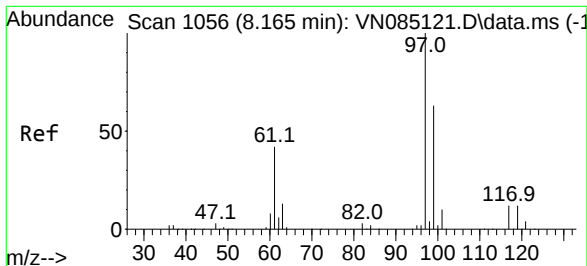
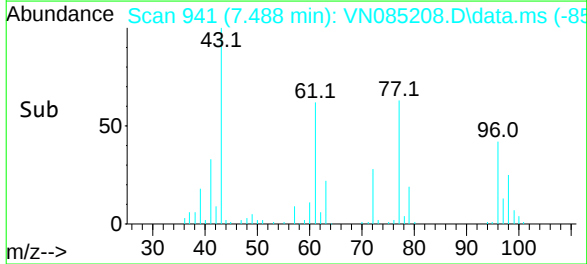
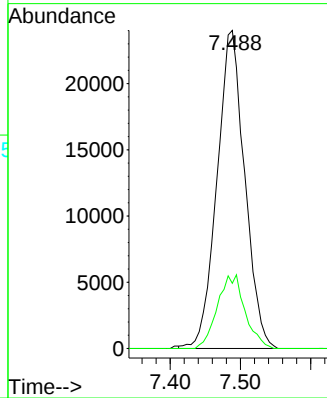
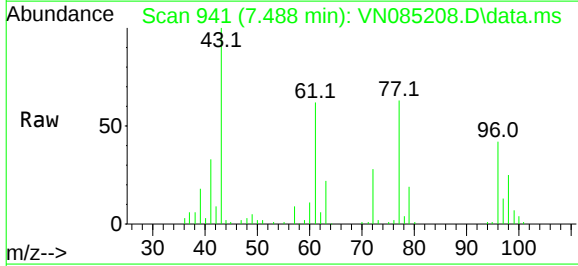
#31
2,2-Dichloropropane
Concen: 18.711 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 77 Resp: 65751
Ion Ratio Lower Upper
77 100
97 23.1 0.0 0.0#

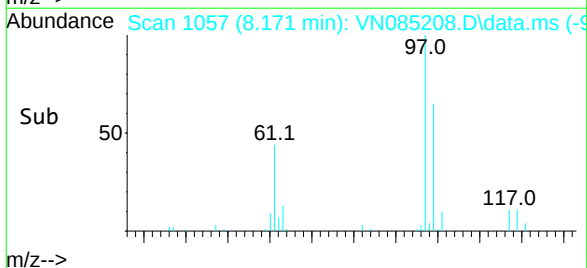
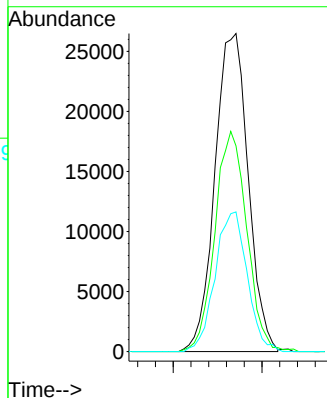
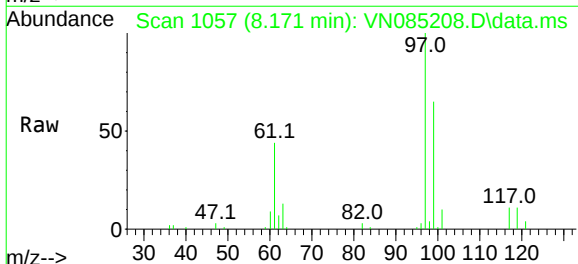
Manual Integrations
APPROVED

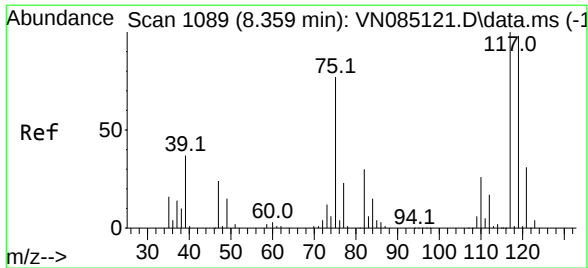
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#32
1,1,1-Trichloroethane
Concen: 18.605 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

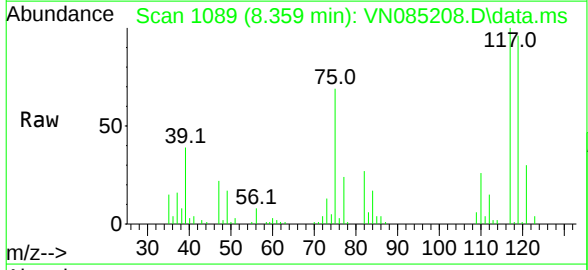
Tgt Ion: 97 Resp: 69008
Ion Ratio Lower Upper
97 100
99 66.2 50.8 76.2
61 42.3 32.7 49.1





#33
Carbon Tetrachloride
Concen: 18.985 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

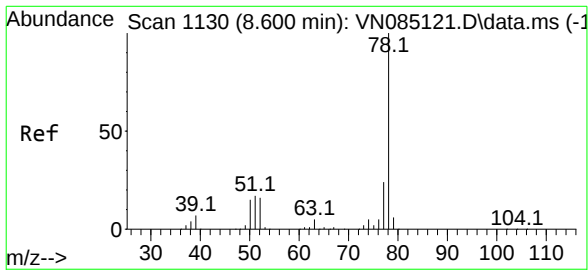
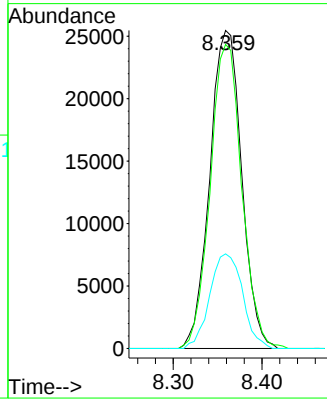
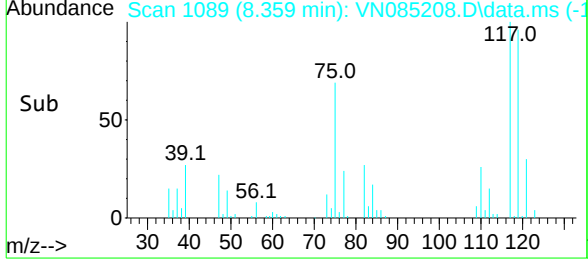
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



Tgt Ion: 117 Resp: 63544
Ion Ratio Lower Upper
117 100
119 95.6 81.6 122.4
121 29.7 26.5 39.7

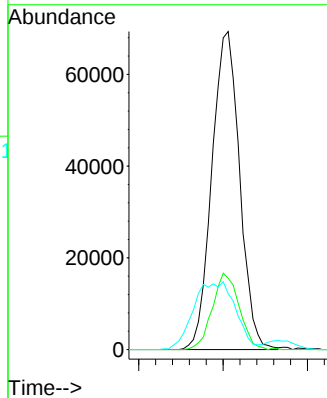
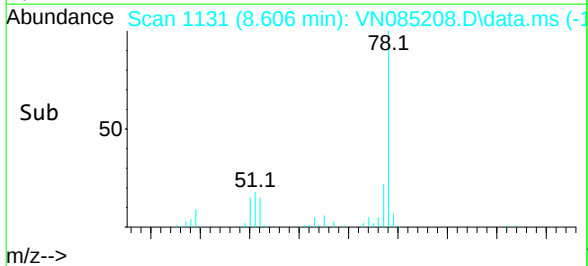
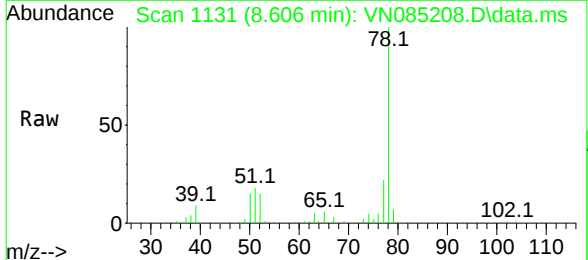
Manual Integrations
APPROVED

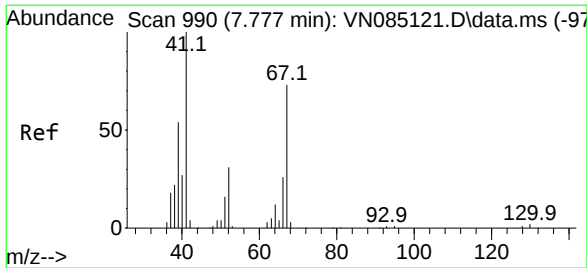
Reviewed By : John Carlone 12/16/2024
Supervised By : Mahesh Dadoda 12/17/2024



#34
Benzene
Concen: 18.431 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 78 Resp: 158668
Ion Ratio Lower Upper
78 100
77 22.4 18.0 27.0
51 15.0 12.4 18.6





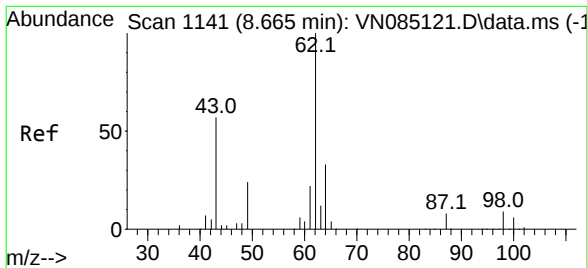
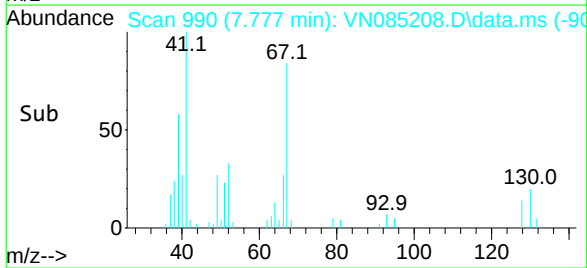
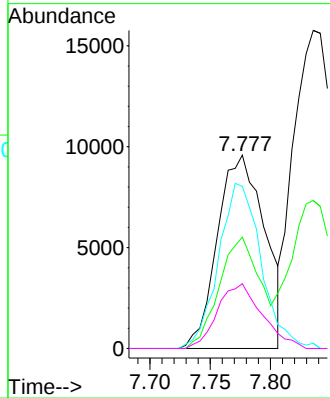
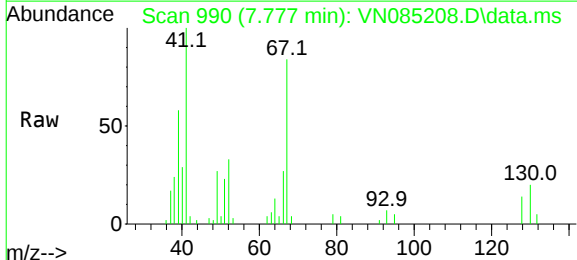
#35
Methacrylonitrile
Concen: 18.445 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.6	24.4	73.2
67	83.8	37.0	110.9
52	33.5	12.4	37.2

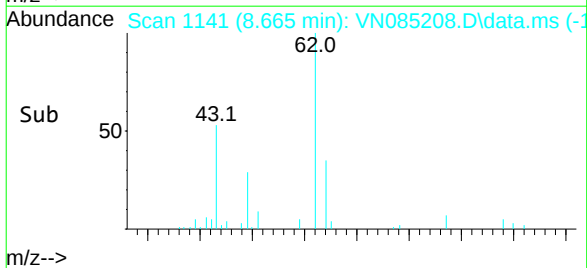
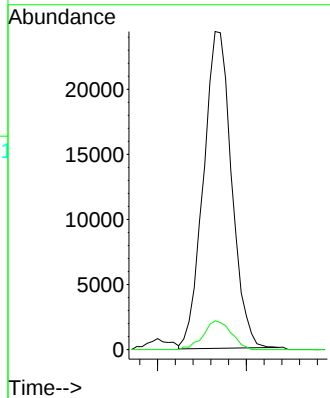
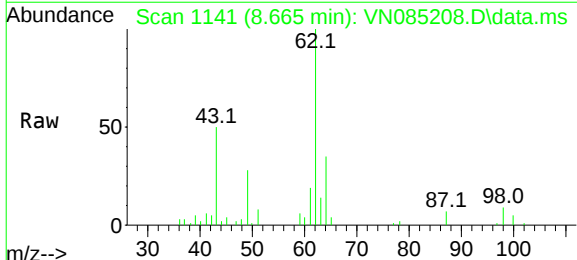
Manual Integrations
APPROVED

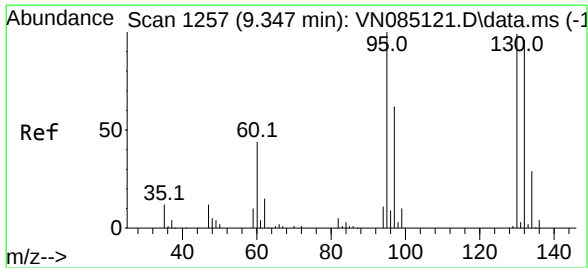
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#36
1,2-Dichloroethane
Concen: 18.273 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	7.3	10.9





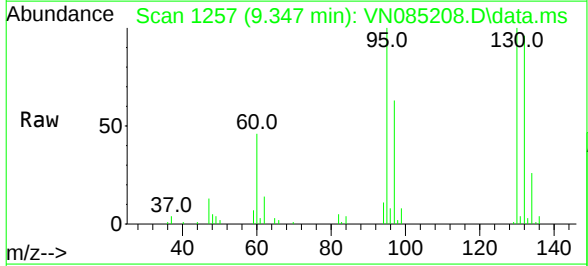
#37
 Trichloroethene
 Concen: 18.494 ug/l
 RT: 9.347 min Scan# 1257
 Delta R.T. -0.006 min
 Lab File: VN085208.D
 Acq: 16 Dec 2024 10:19

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01



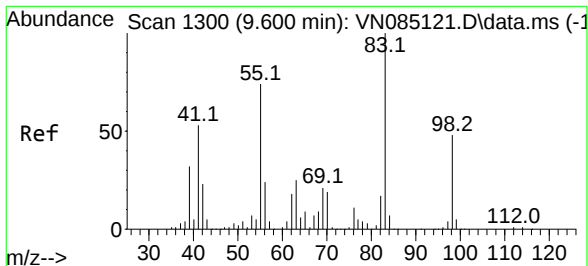
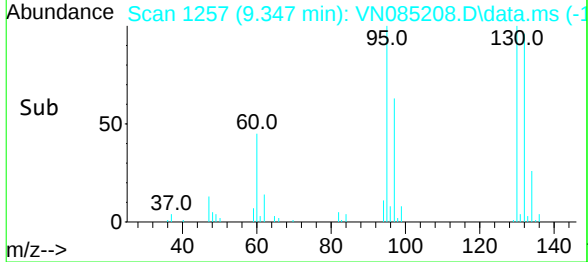
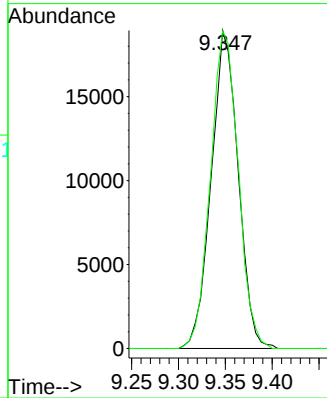
Tgt Ion: 130 Resp: 37914
 Ion Ratio Lower Upper
 130 100
 95 99.8 76.2 114.4

Manual Integrations

APPROVED

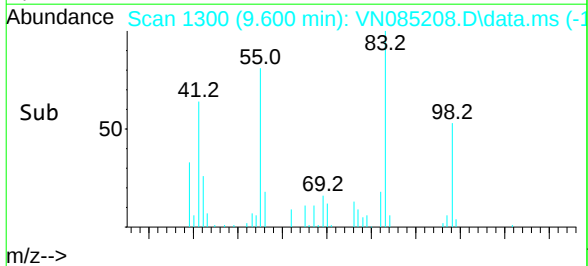
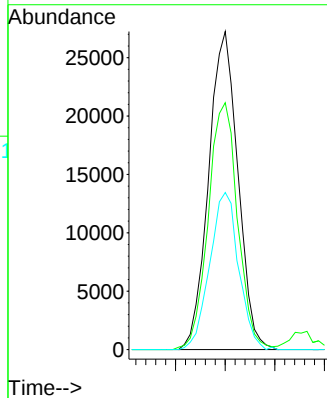
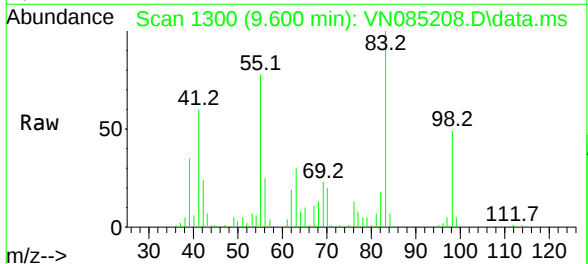
Reviewed By :John Carlone 12/16/2024

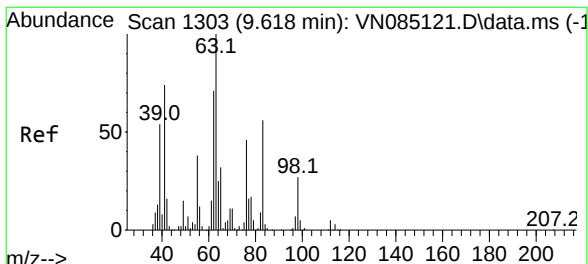
Supervised By :Mahesh Dadoda 12/17/2024



#38
 Methylcyclohexane
 Concen: 18.747 ug/l
 RT: 9.600 min Scan# 1300
 Delta R.T. 0.000 min
 Lab File: VN085208.D
 Acq: 16 Dec 2024 10:19

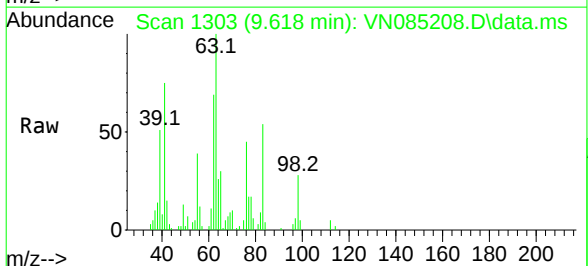
Tgt Ion: 83 Resp: 55860
 Ion Ratio Lower Upper
 83 100
 55 77.8 41.4 124.4
 98 48.7 25.7 77.1





#39
 1,2-Dichloropropane
 Concen: 18.527 ug/l
 RT: 9.618 min Scan# 1303
 Delta R.T. 0.000 min
 Lab File: VN085208.D
 Acq: 16 Dec 2024 10:19

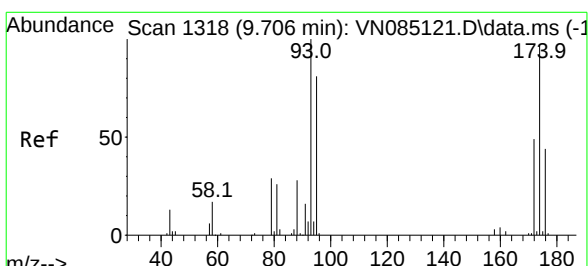
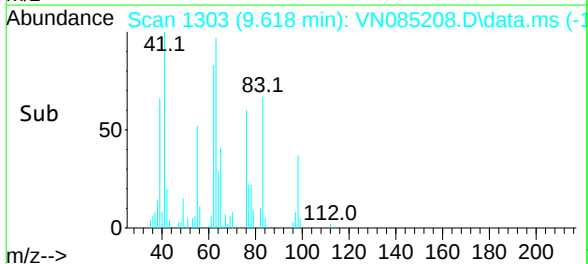
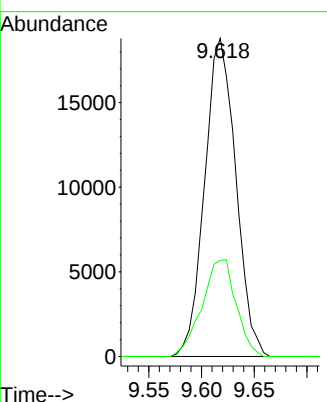
Instrument : MSVOA_N
 ClientSampleId : VN1216WBS01



Tgt Ion: 63 Resp: 38631

Ion	Ratio	Lower	Upper
63	100		
65	30.2	23.4	35.0

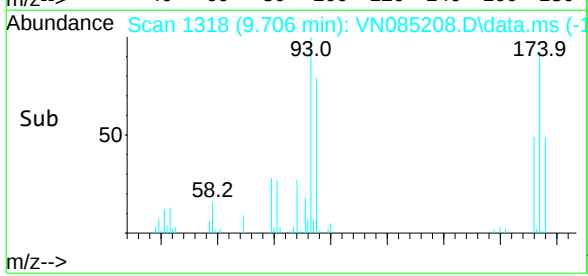
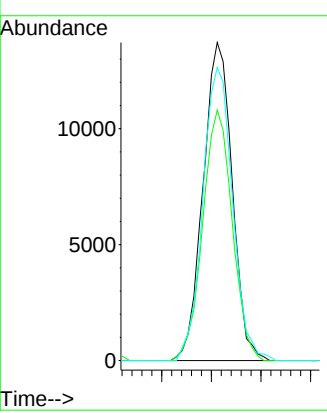
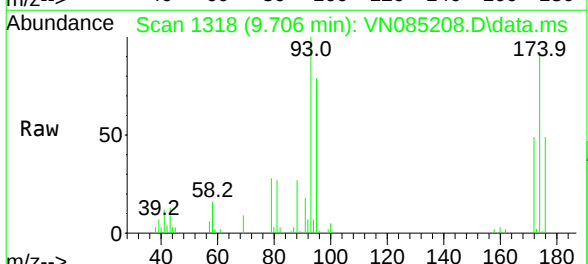
Manual Integrations
APPROVED
 Reviewed By :John Carlone 12/16/2024
 Supervised By :Mahesh Dadoda 12/17/2024

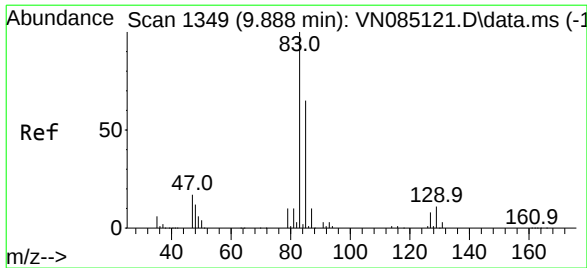


#40
 Dibromomethane
 Concen: 18.712 ug/l
 RT: 9.706 min Scan# 1318
 Delta R.T. 0.000 min
 Lab File: VN085208.D
 Acq: 16 Dec 2024 10:19

Tgt Ion: 93 Resp: 27987

Ion	Ratio	Lower	Upper
93	100		
95	79.8	0.0	169.4
174	94.2	0.0	189.8





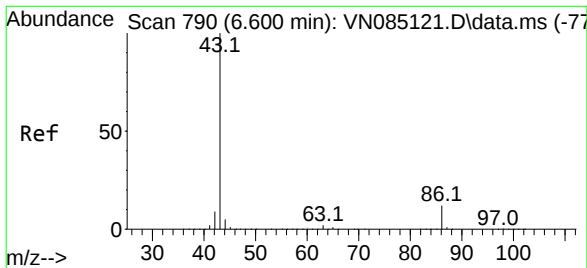
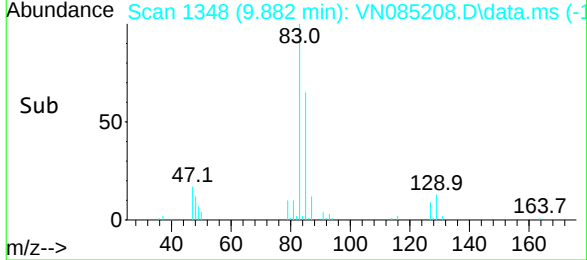
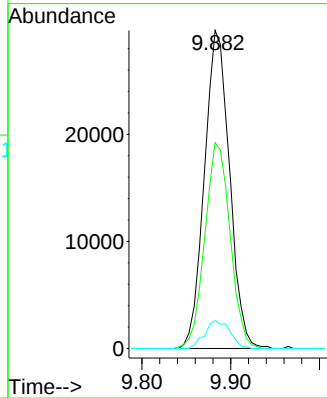
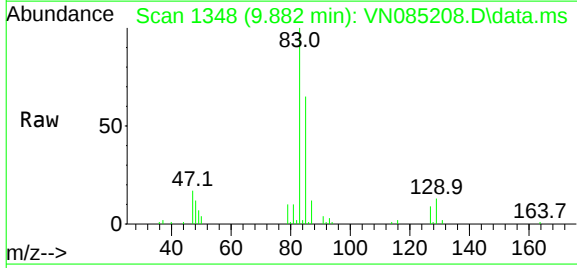
#41
Bromodichloromethane
Concen: 18.262 ug/l
RT: 9.882 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	54.6	81.8
127	8.8	7.0	10.6

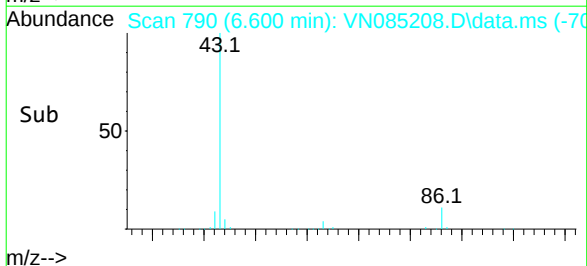
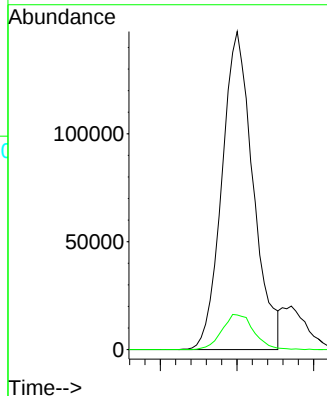
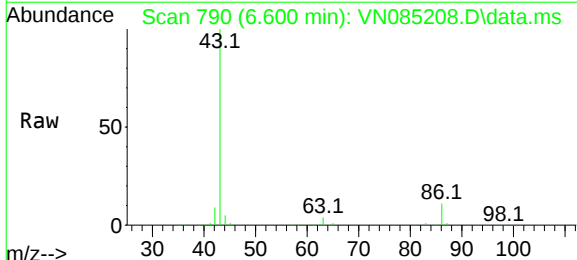
Manual Integrations
APPROVED

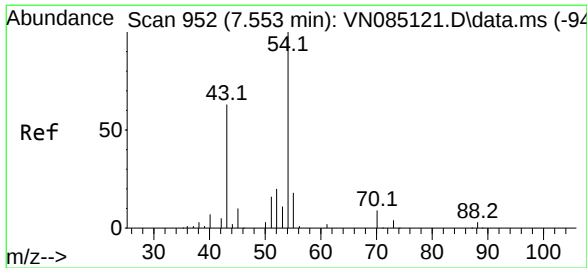
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#42
Vinyl Acetate
Concen: 94.564 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion	Ratio	Lower	Upper
43	100		
86	11.3	9.2	13.8





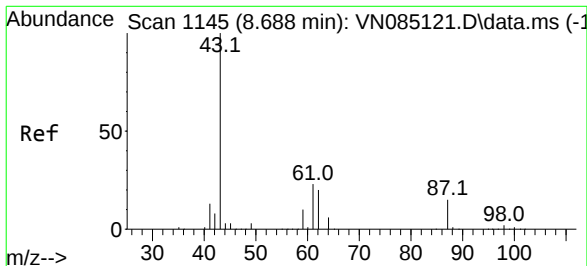
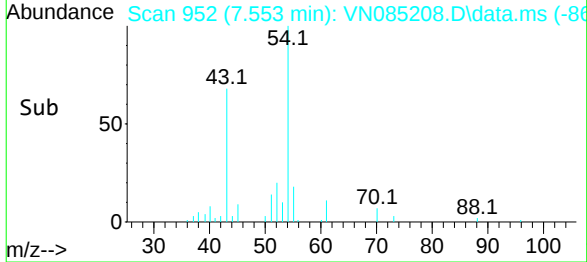
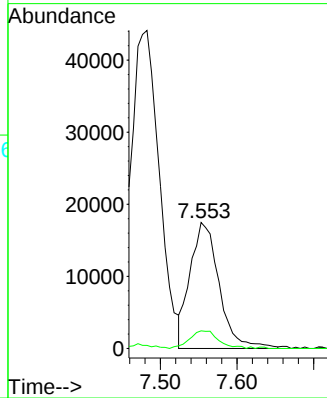
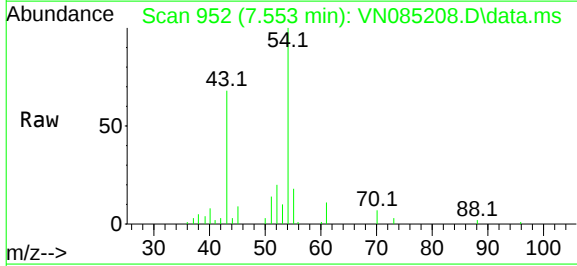
#43
Ethyl Acetate
Concen: 18.415 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 43 Resp: 46077
Ion Ratio Lower Upper
43 100
45 13.3 13.3 19.9

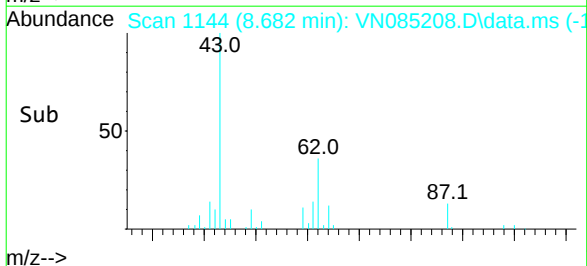
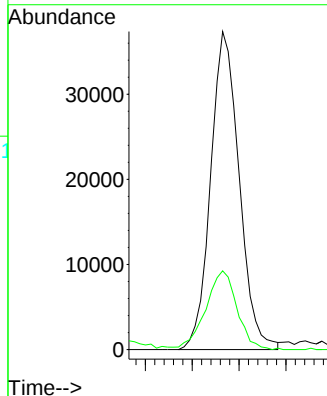
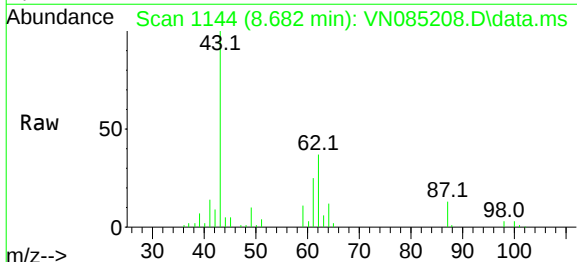
Manual Integrations
APPROVED

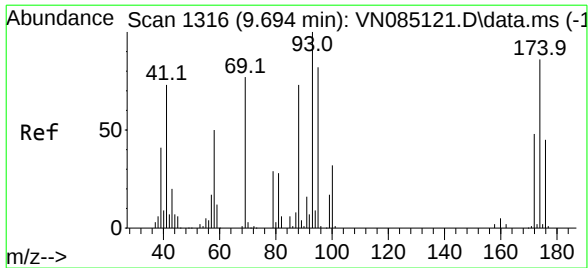
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#44
Isopropyl Acetate
Concen: 18.196 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

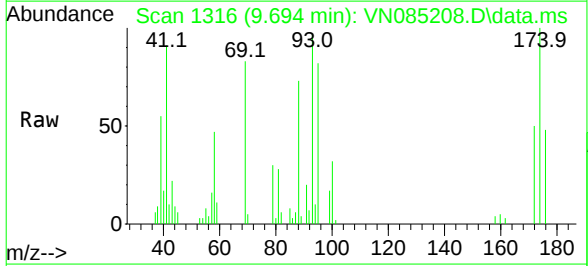
Tgt Ion: 43 Resp: 79121
Ion Ratio Lower Upper
43 100
61 27.0 21.5 32.3





#45
1,4-Dioxane
Concen: 379.179 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

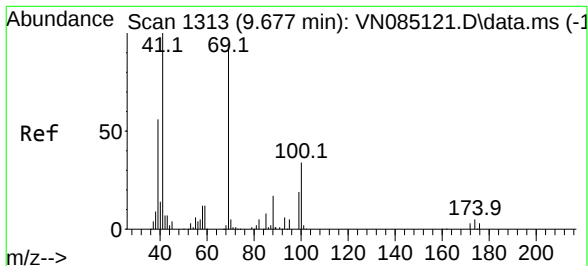
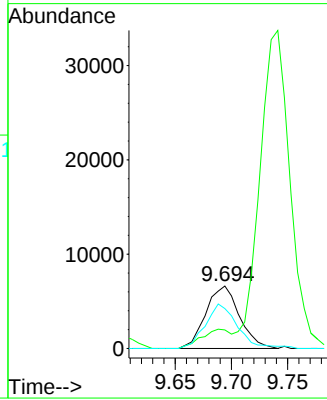
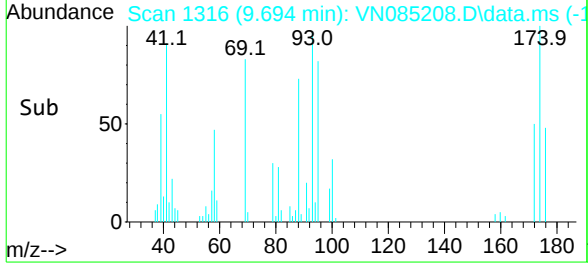
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



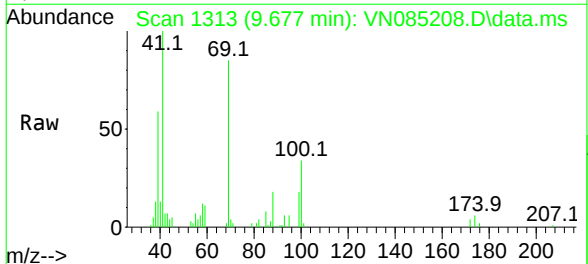
Tgt Ion: 88 Resp: 13749
Ion Ratio Lower Upper
88 100
43 27.0 21.7 32.5
58 67.7 52.6 79.0

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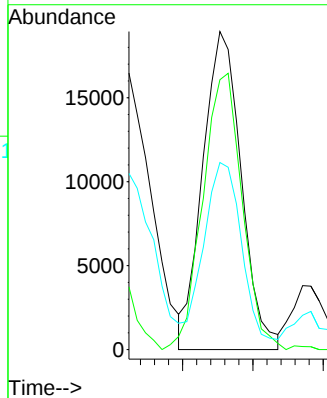
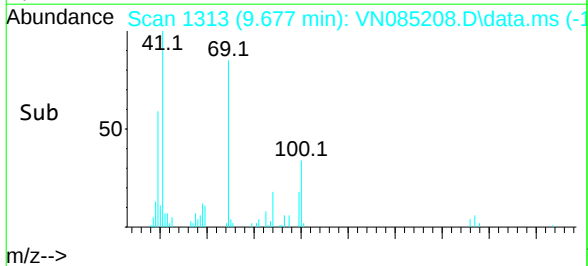
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

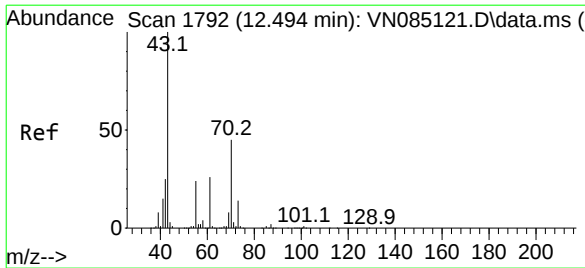


#46
Methyl methacrylate
Concen: 18.146 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19



Tgt Ion: 41 Resp: 36110
Ion Ratio Lower Upper
41 100
69 87.0 46.7 140.0
39 58.4 28.5 85.5





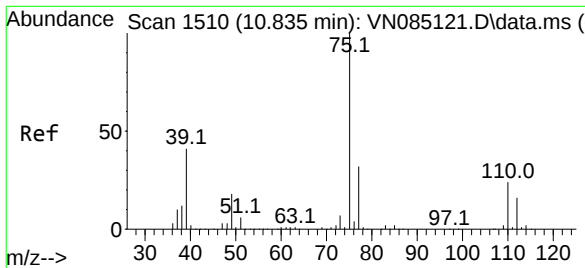
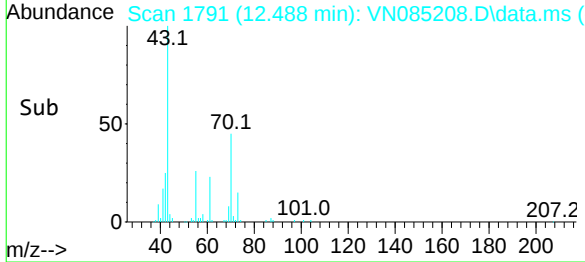
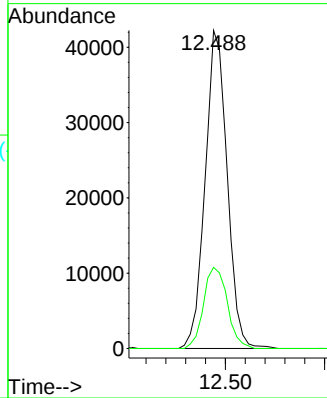
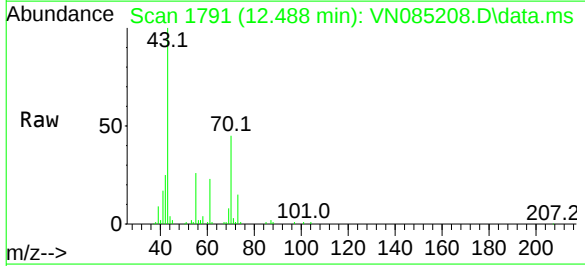
#47
n-amy1 Acetate
Concen: 17.803 ug/l
RT: 12.488 min Scan# 1792
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 43 Resp: 65132
Ion Ratio Lower Upper
43 100
55 27.5 23.3 34.9

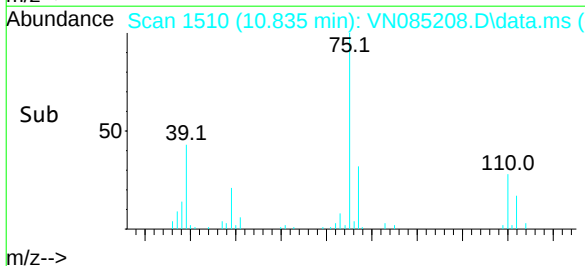
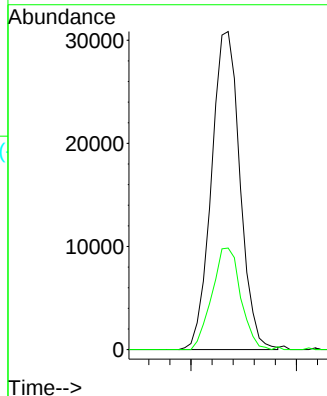
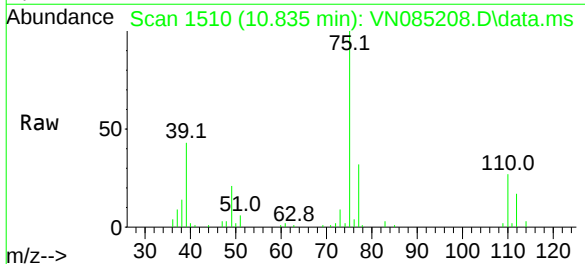
Manual Integrations
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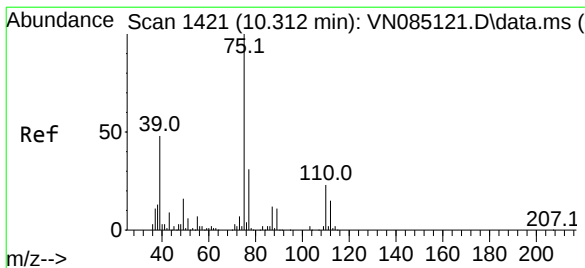
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#48
t-1,3-Dichloropropene
Concen: 18.453 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 75 Resp: 57919
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3





#49

cis-1,3-Dichloropropene

Concen: 18.535 ug/l

RT: 10.306 min Scan# 1420

Delta R.T. -0.006 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01

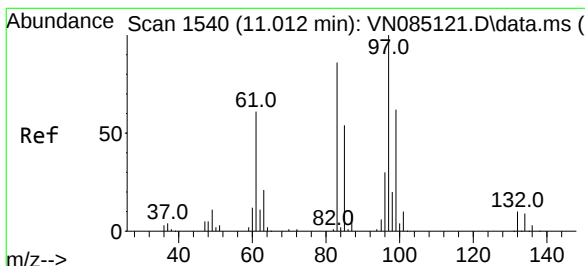
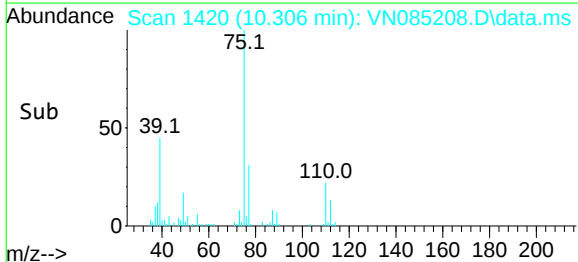
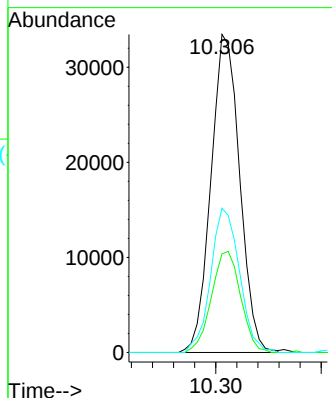
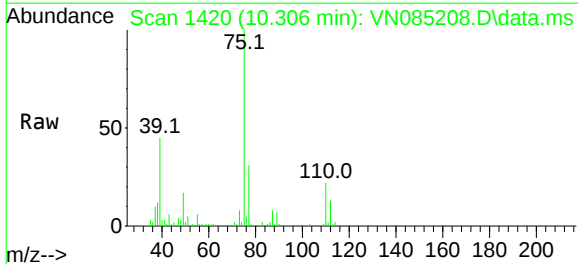
Tgt Ion: 75	Resp: 63332
Ion Ratio	Lower Upper
75 100	
77 31.0	23.8 35.6
39 45.4	37.3 55.9

Manual Integrations

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Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#50

1,1,2-Trichloroethane

Concen: 18.046 ug/l

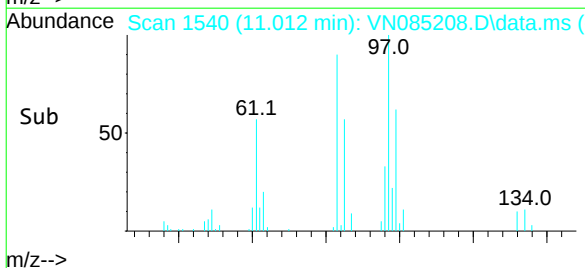
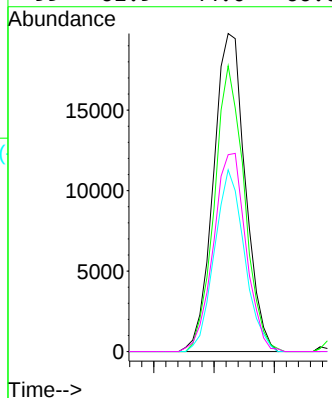
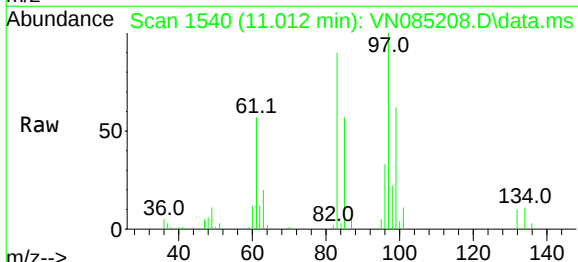
RT: 11.012 min Scan# 1540

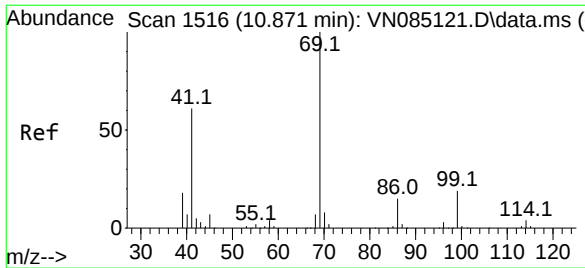
Delta R.T. 0.000 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

Tgt Ion: 97	Resp: 36370
Ion Ratio	Lower Upper
97 100	
83 89.8	65.8 98.8
85 57.1	40.8 61.2
99 61.9	44.0 66.0





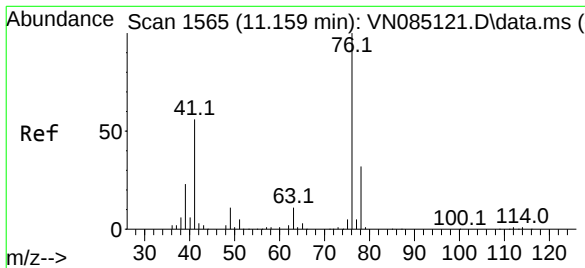
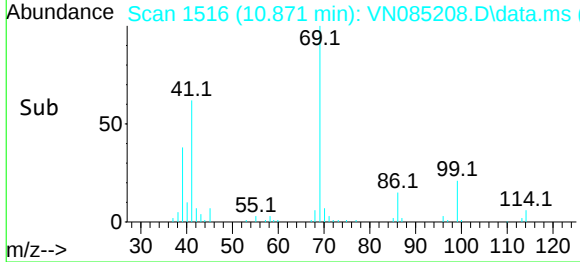
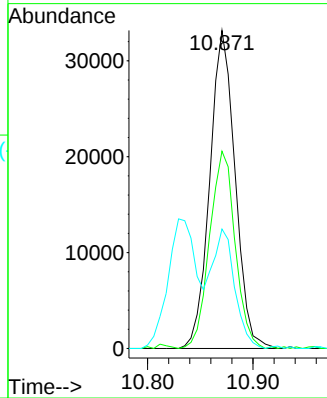
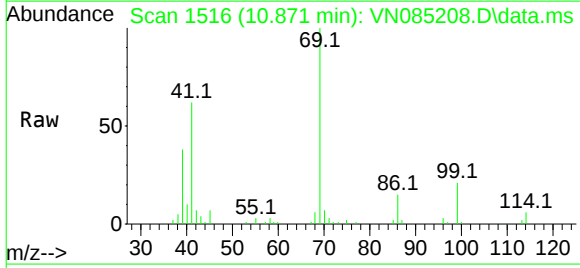
#51
Ethyl methacrylate
Concen: 18.076 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.0	32.1	96.3
39	36.8	18.8	56.4

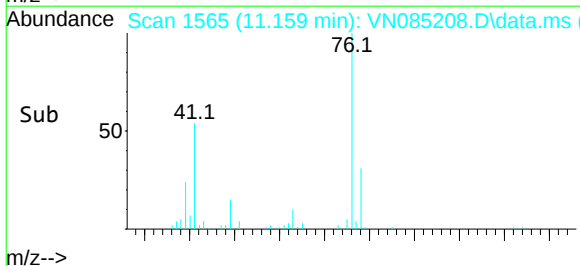
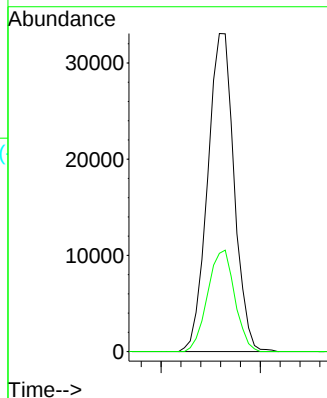
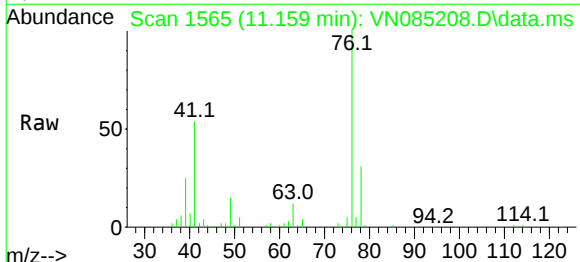
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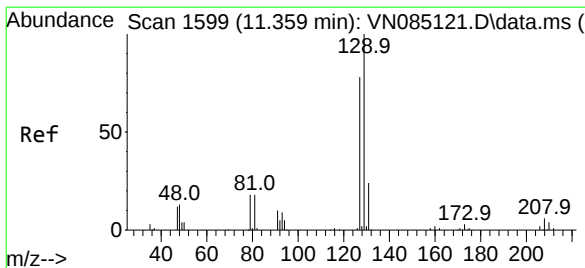
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#52
1,3-Dichloropropane
Concen: 18.210 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.5	0.0	65.6





#53

Dibromochloromethane

Concen: 18.708 ug/l

RT: 11.353 min Scan# 1599

Delta R.T. 0.000 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01

Tgt Ion:129 Resp: 45949

Ion Ratio Lower Upper

129 100

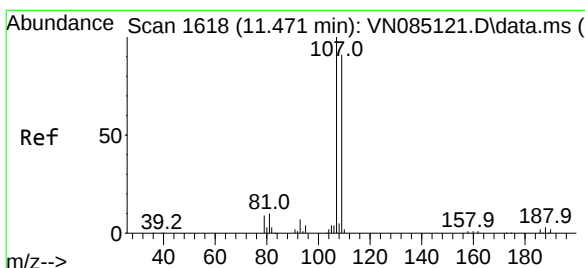
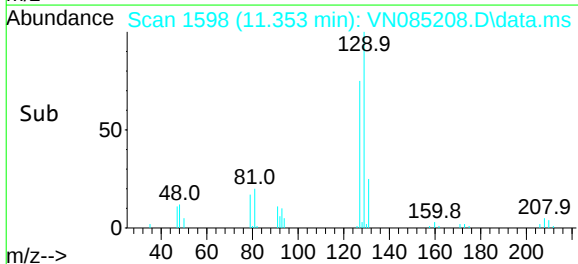
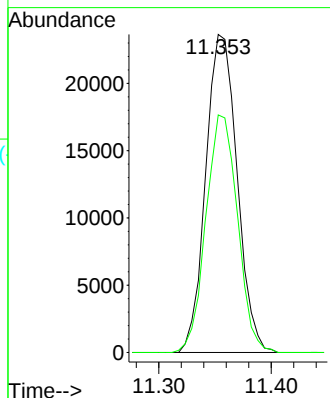
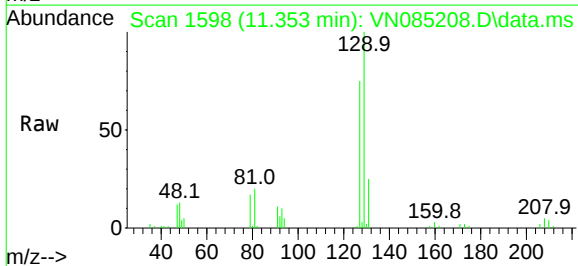
127 75.2 37.3 111.9

Manual Integrations

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Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#54

1,2-Dibromoethane

Concen: 18.272 ug/l

RT: 11.465 min Scan# 1617

Delta R.T. 0.000 min

Lab File: VN085208.D

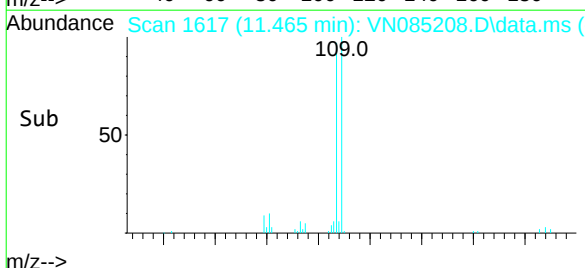
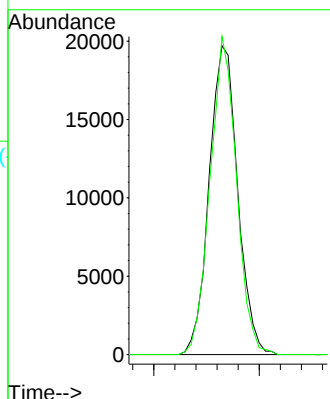
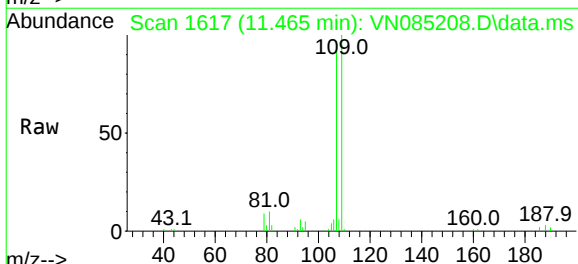
Acq: 16 Dec 2024 10:19

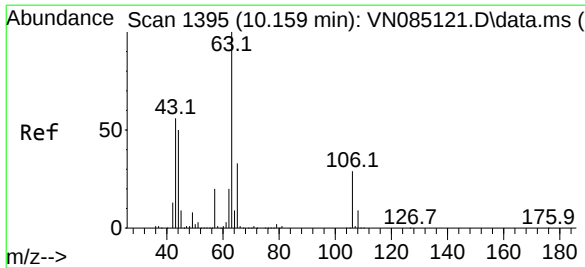
Tgt Ion:107 Resp: 37104

Ion Ratio Lower Upper

107 100

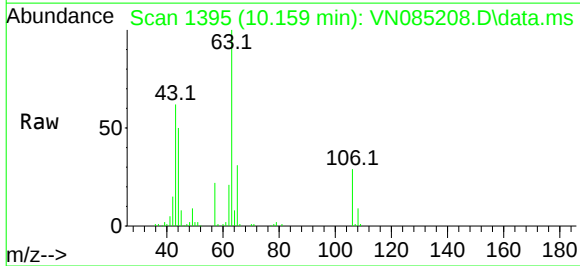
109 95.1 75.2 112.8





#55
2-Chloroethyl vinyl ether
Concen: 61.005 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

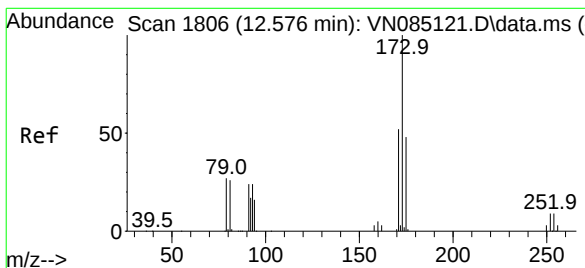
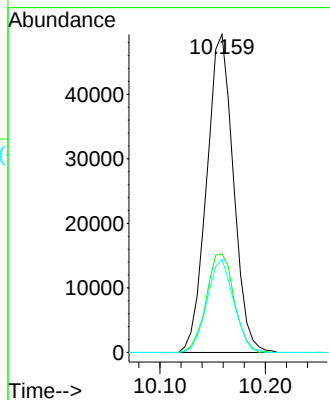
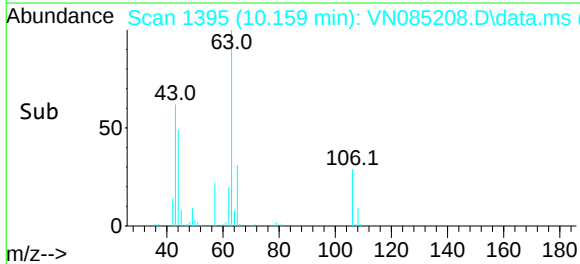
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



Tgt Ion: 63 Resp: 86871
Ion Ratio Lower Upper
63 100
65 32.2 25.9 38.9
106 29.3 23.5 35.3

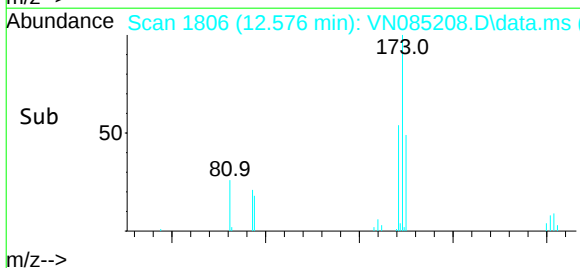
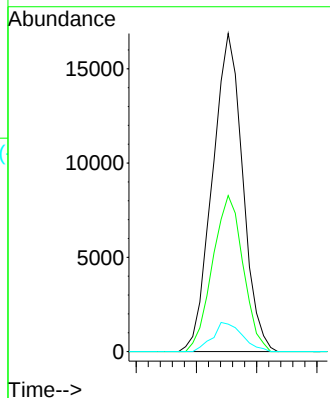
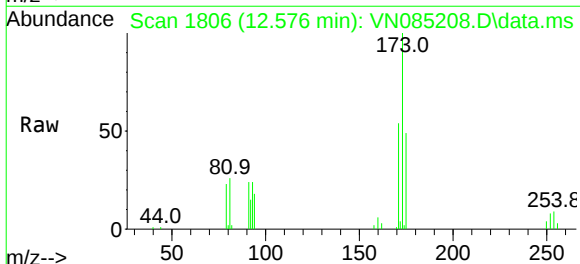
Manual Integrations
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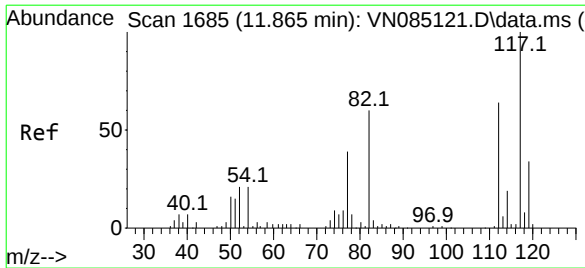
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#56
Bromoform
Concen: 17.887 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:173 Resp: 29455
Ion Ratio Lower Upper
173 100
175 49.6 40.2 60.2
254 9.0 6.2 9.4





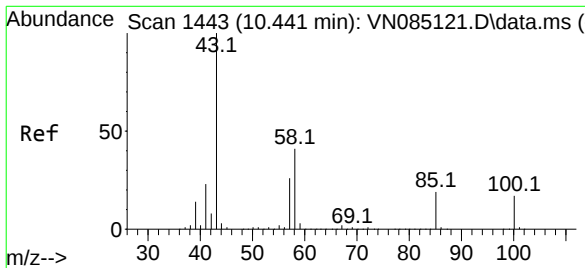
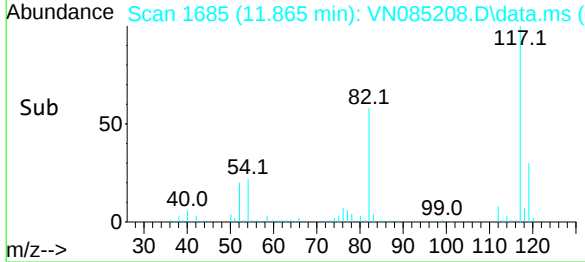
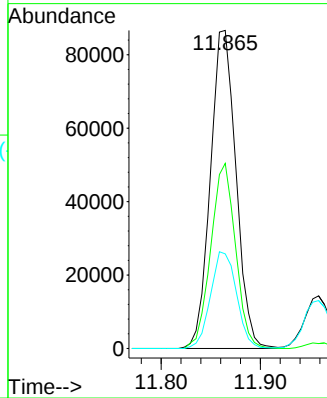
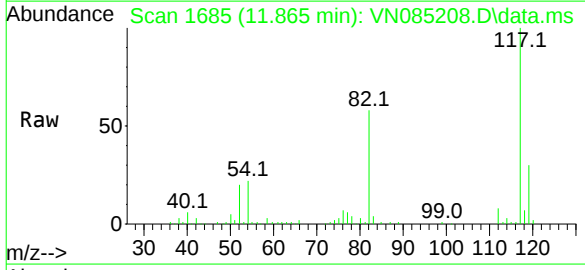
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:	117	Resp:	155663
Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.2	66.4
119	30.8	25.4	38.2

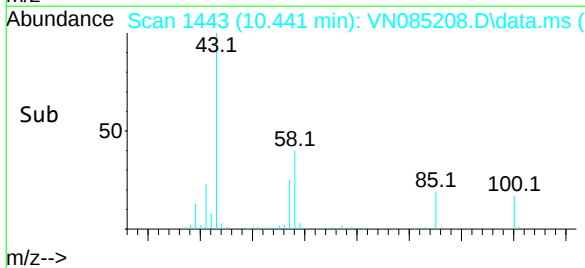
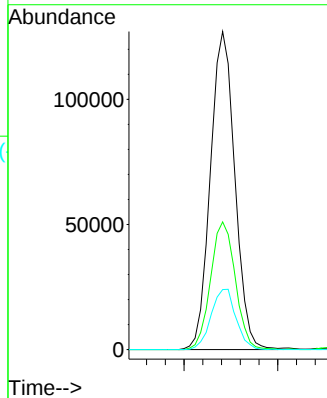
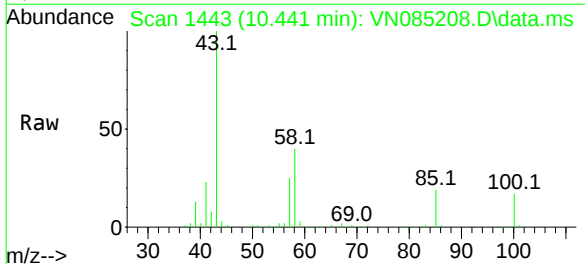
Manual Integrations
APPROVED

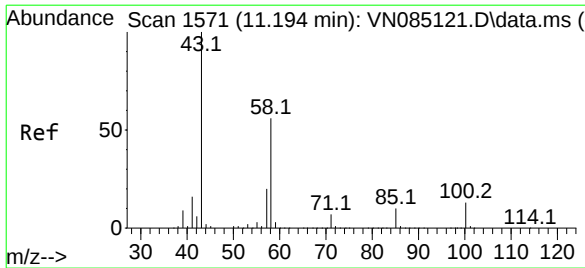
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#58
4-Methyl-2-Pentanone
Concen: 90.751 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

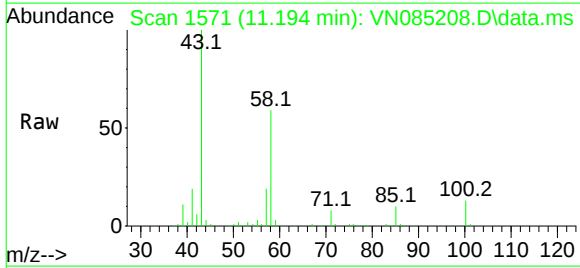
Tgt Ion:	43	Resp:	230551
Ion	Ratio	Lower	Upper
43	100		
58	40.6	31.6	47.4
85	19.2	15.0	22.6





#59
2-Hexanone
Concen: 89.701 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

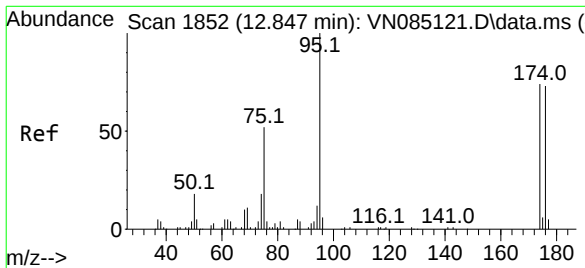
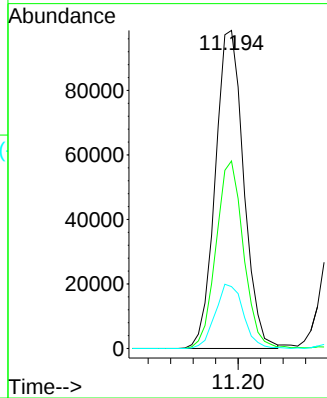
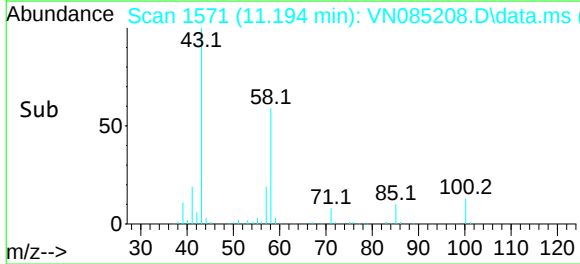
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



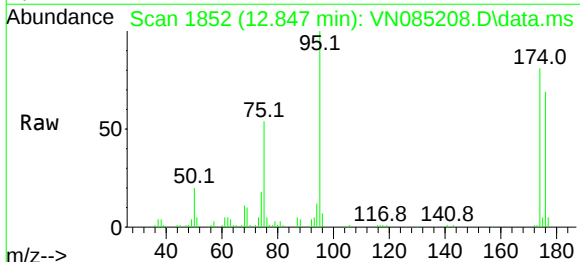
Tgt Ion: 43 Resp: 172668
Ion Ratio Lower Upper
43 100
58 56.9 43.6 65.4
57 20.0 15.4 23.0

Manual Integrations
APPROVED

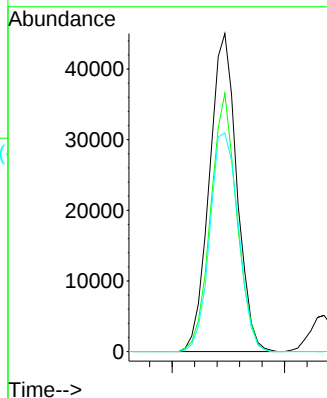
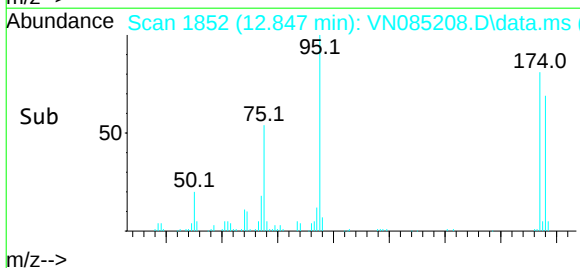
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

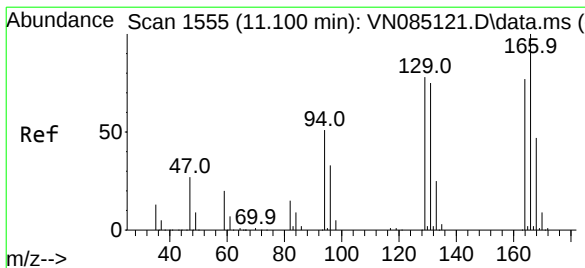


#60
4-Bromofluorobenzene
Concen: 29.655 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19



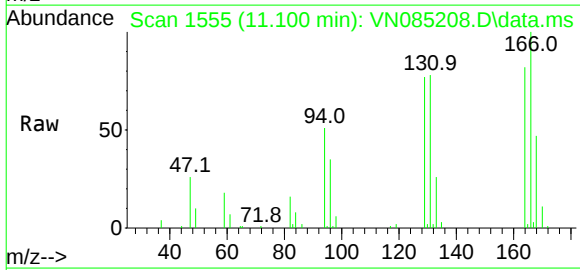
Tgt Ion: 95 Resp: 76379
Ion Ratio Lower Upper
95 100
174 77.0 60.3 90.5
176 71.5 57.4 86.0





#61
Tetrachloroethene
Concen: 19.138 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

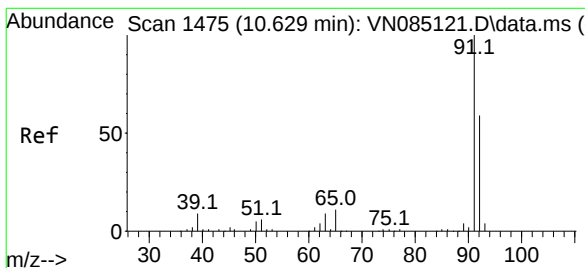
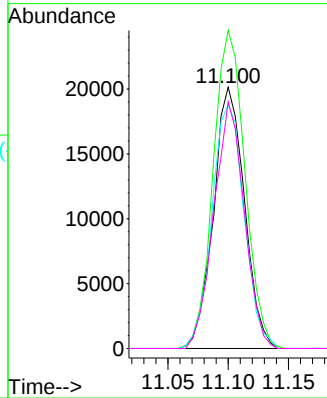
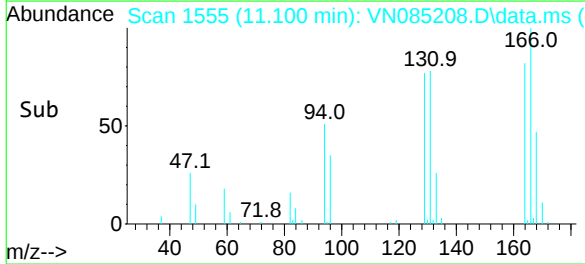
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



Tgt Ion:164 Resp: 36077
Ion Ratio Lower Upper
164 100
166 121.7 103.8 155.8
129 93.2 84.2 126.4
131 94.4 84.1 126.1

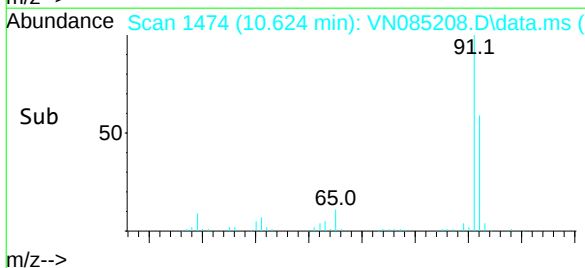
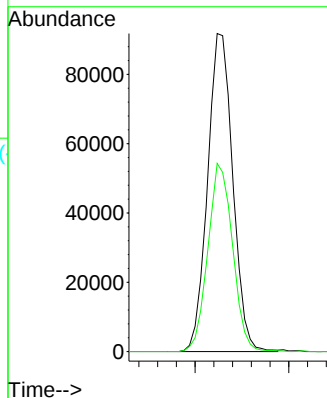
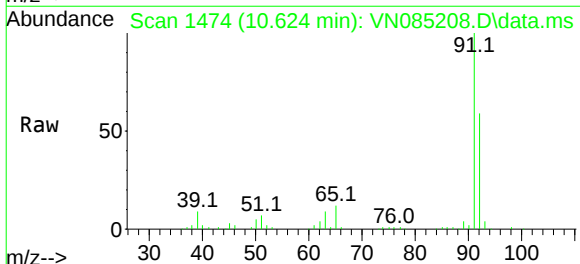
Manual Integrations
APPROVED

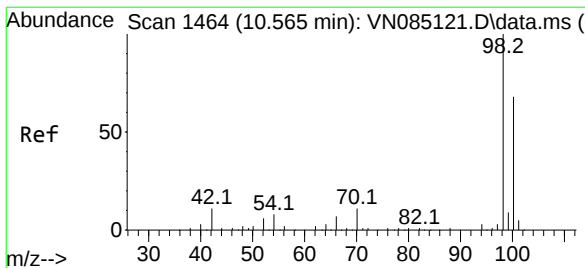
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#62
Toluene
Concen: 18.900 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 91 Resp: 171579
Ion Ratio Lower Upper
91 100
92 58.1 46.5 69.7





#63

Toluene-d8

Concen: 29.671 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01

Tgt Ion: 98 Resp: 216652

Ion Ratio Lower Upper

98 100

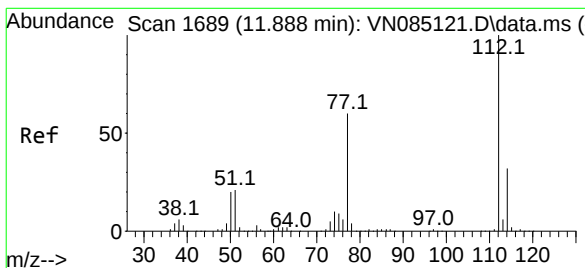
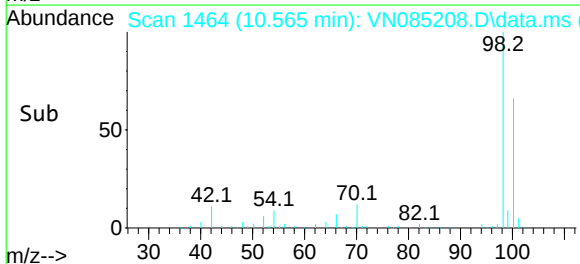
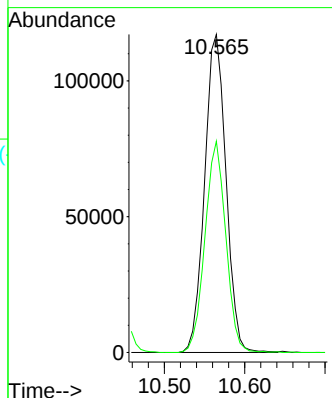
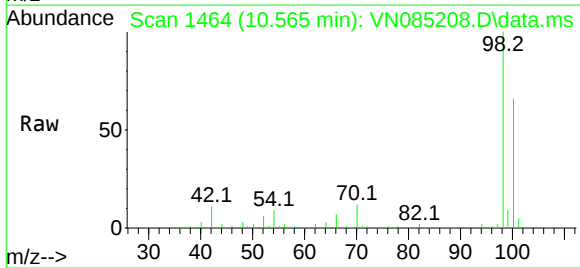
100 64.8 52.0 78.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#64

Chlorobenzene

Concen: 18.744 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. 0.000 min

Lab File: VN085208.D

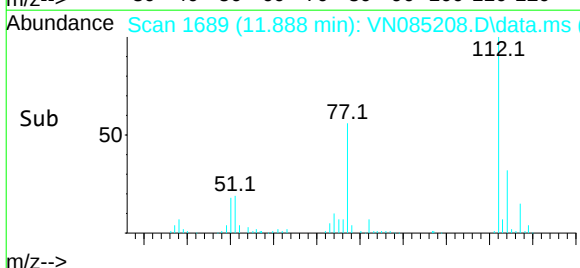
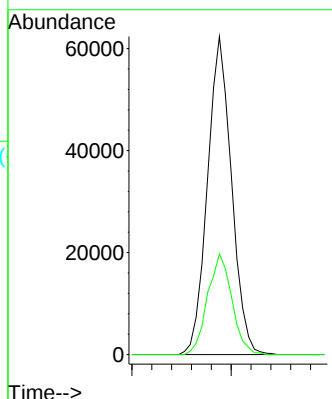
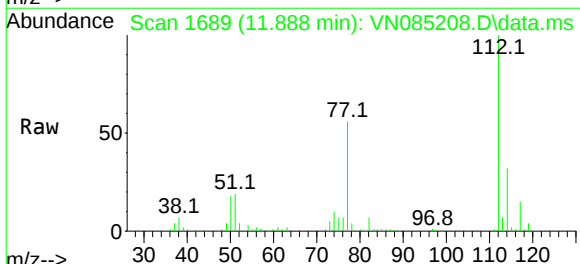
Acq: 16 Dec 2024 10:19

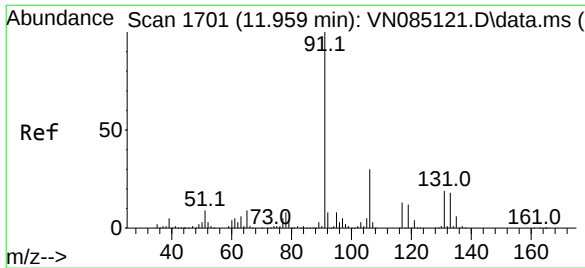
Tgt Ion:112 Resp: 105060

Ion Ratio Lower Upper

112 100

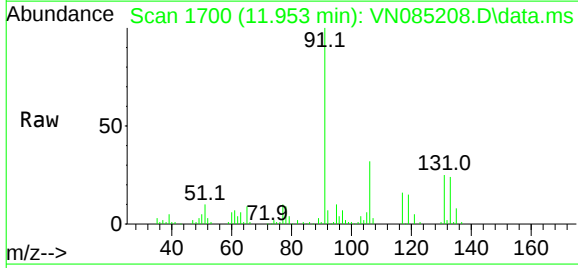
114 31.7 26.0 39.0





#65
1,1,1,2-Tetrachloroethane
Concen: 18.556 ug/l
RT: 11.953 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

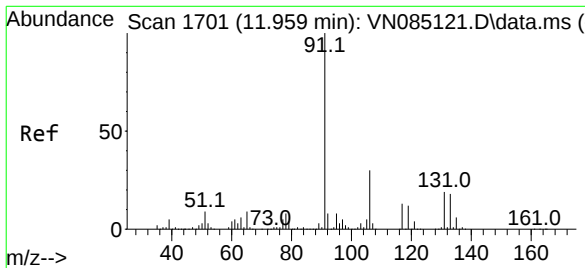
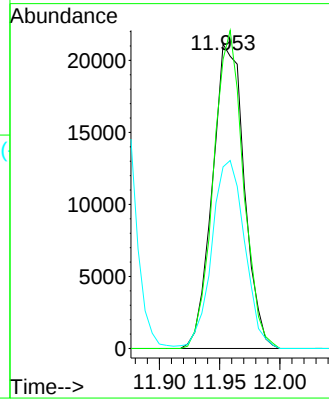
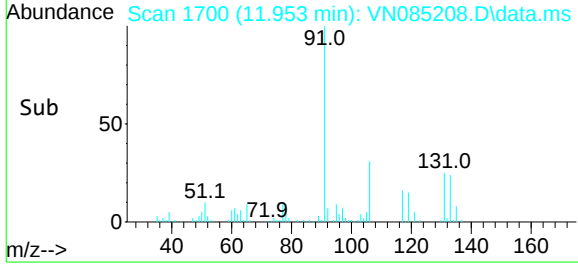
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



Tgt Ion: 131 Resp: 38827
Ion Ratio Lower Upper
131 100
133 98.0 0.0 194.0
119 63.7 0.0 131.8

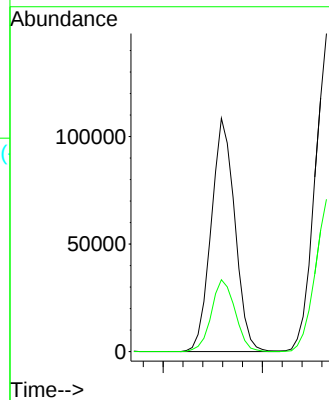
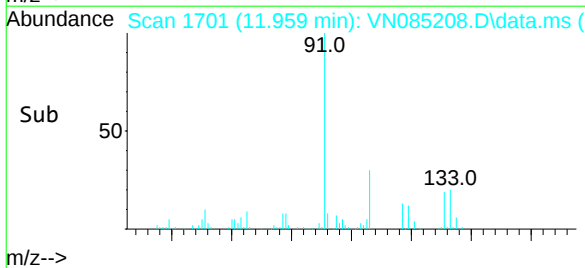
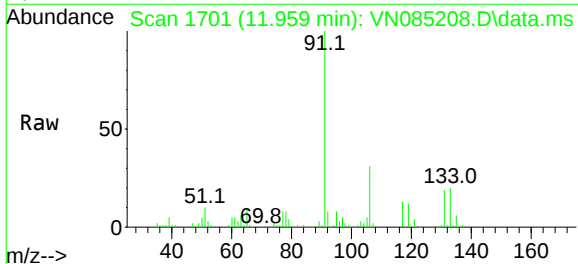
Manual Integrations
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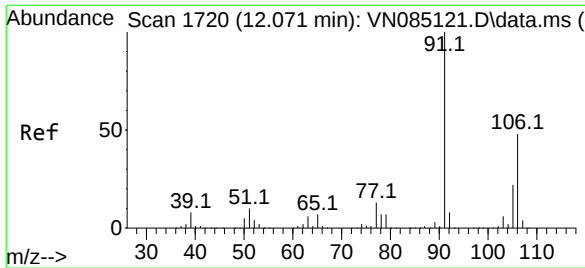
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#66
Ethyl Benzene
Concen: 18.698 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 91 Resp: 180124
Ion Ratio Lower Upper
91 100
106 30.8 23.1 34.7





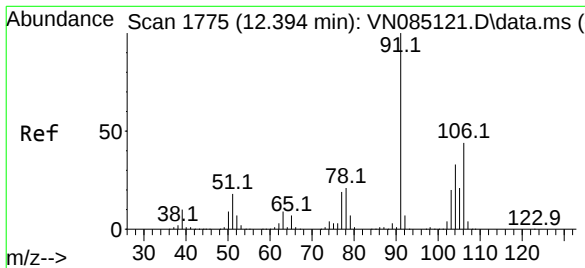
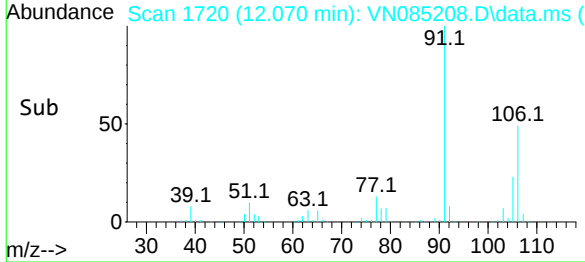
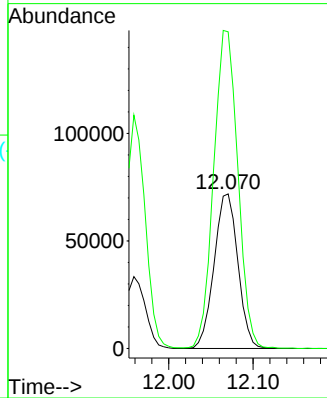
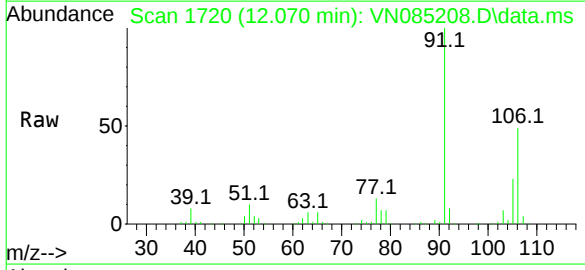
#67
m/p-Xylenes
Concen: 38.037 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:106 Resp: 140933
Ion Ratio Lower Upper
106 100
91 208.6 165.0 247.4

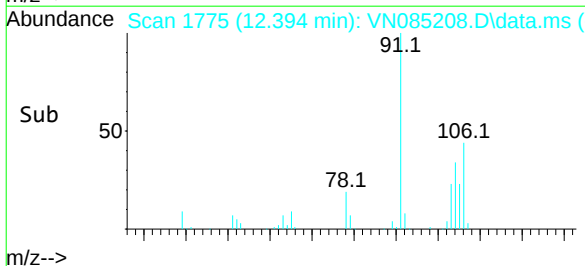
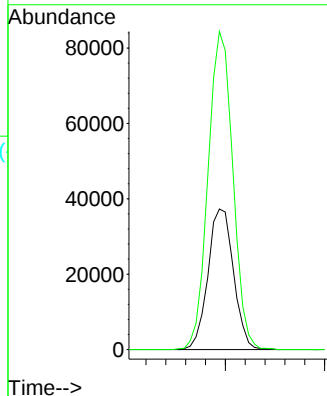
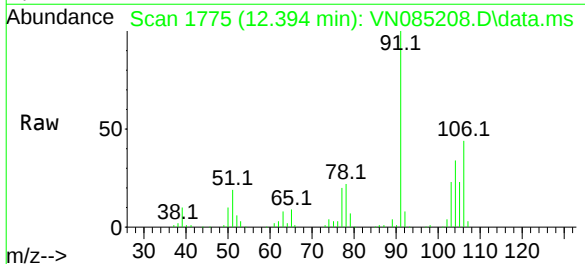
Manual Integrations
APPROVED

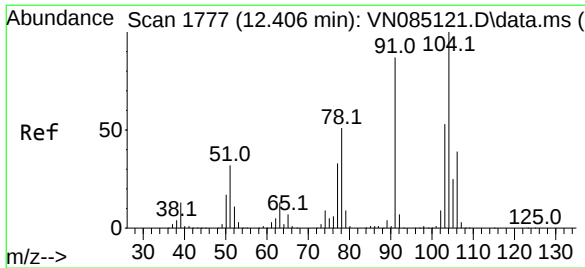
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#68
o-Xylene
Concen: 19.229 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:106 Resp: 66910
Ion Ratio Lower Upper
106 100
91 219.0 112.1 336.4





#69

Styrene

Concen: 18.651 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.006 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01

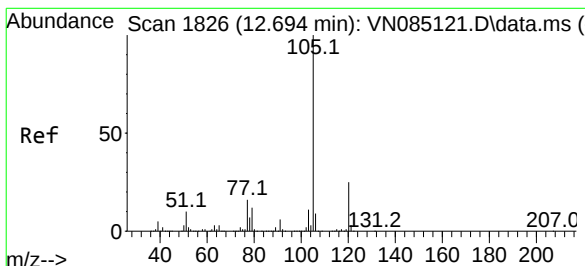
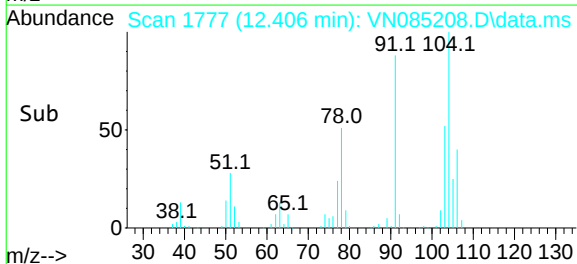
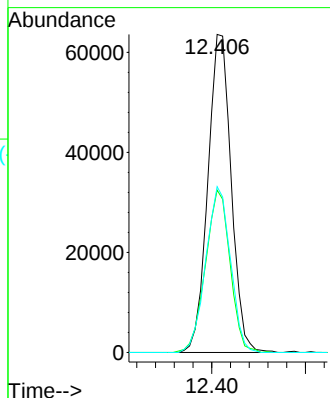
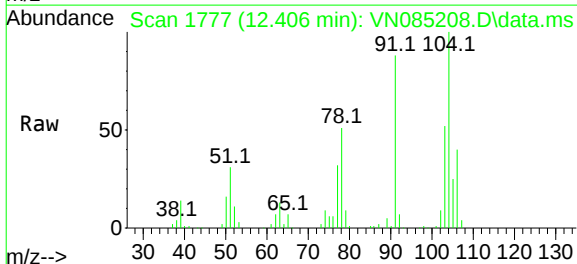
Tgt Ion:	104	Resp:	110123
Ion Ratio	Lower	Upper	
104	100		
78	53.6	42.3	63.5
103	55.0	44.4	66.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#70

Isopropylbenzene

Concen: 19.264 ug/l

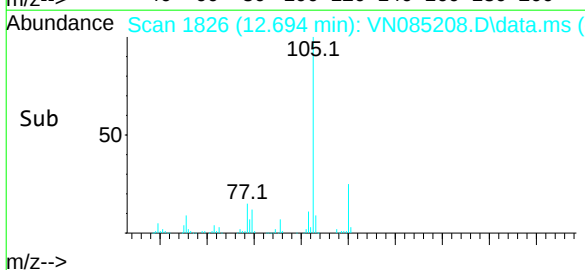
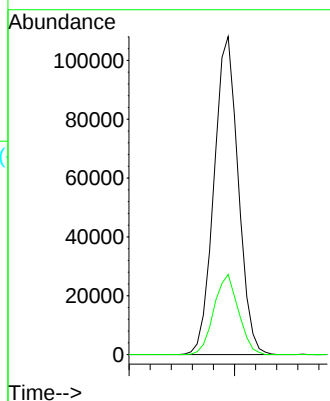
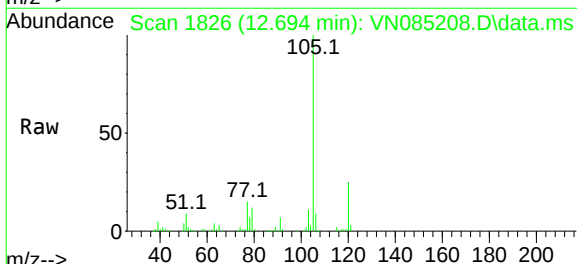
RT: 12.694 min Scan# 1826

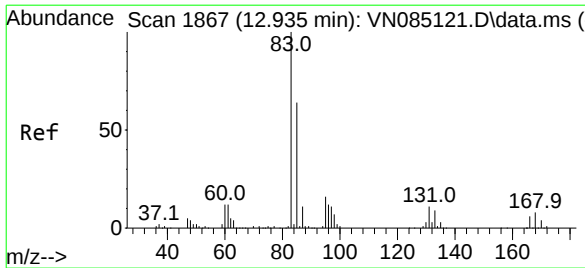
Delta R.T. 0.000 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

Tgt Ion:	105	Resp:	172891
Ion Ratio	Lower	Upper	
105	100		
120	25.4	18.3	33.9





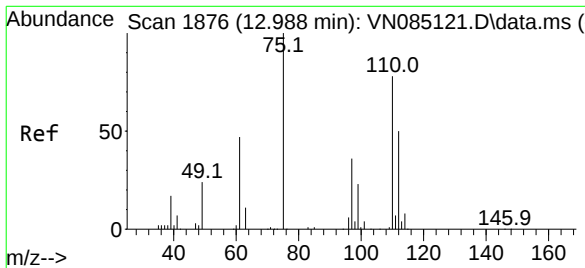
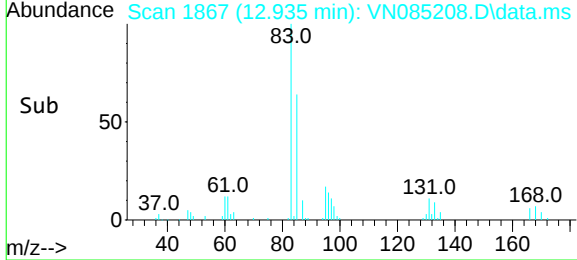
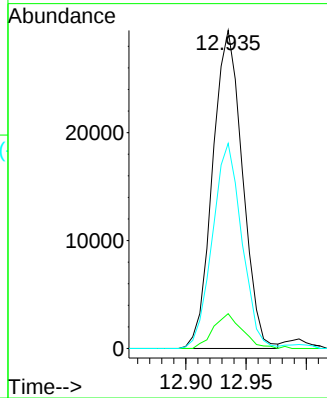
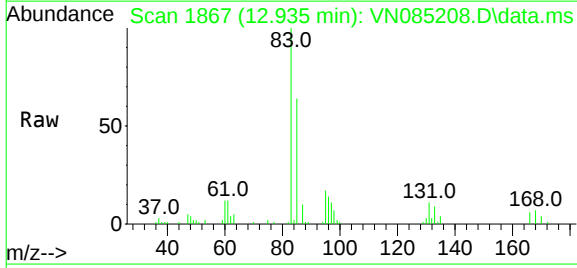
#71
1,1,2,2-Tetrachloroethane
Concen: 18.592 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.3
85	63.5	31.1	93.5

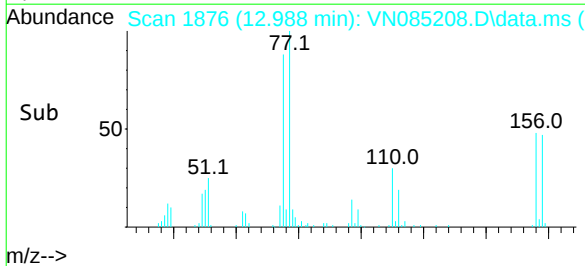
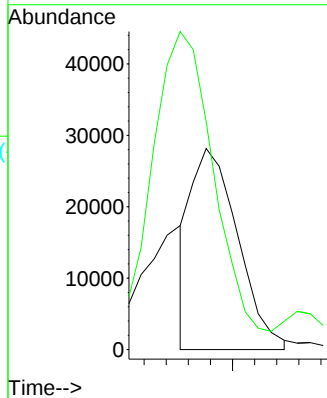
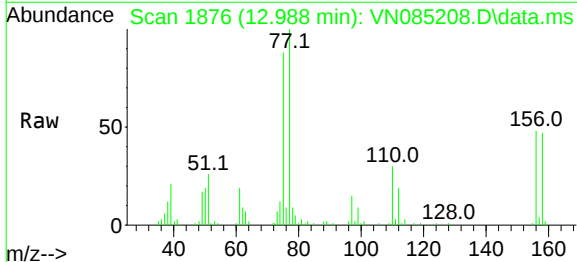
Manual Integrations
APPROVED

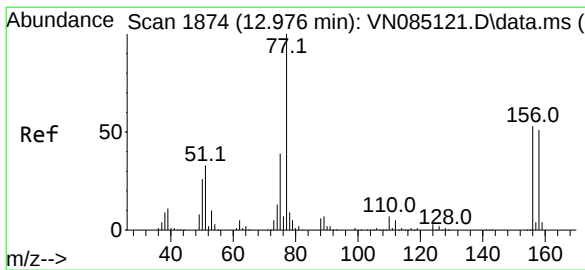
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#72
1,2,3-Trichloropropane
Concen: 15.293 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	217.3	0.0	339.0





#73

Bromobenzene

Concen: 18.670 ug/l

RT: 12.976 min Scan# 18

Delta R.T. 0.000 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01

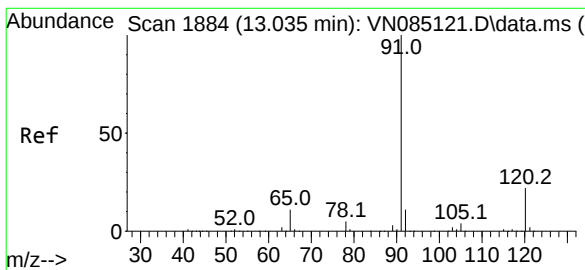
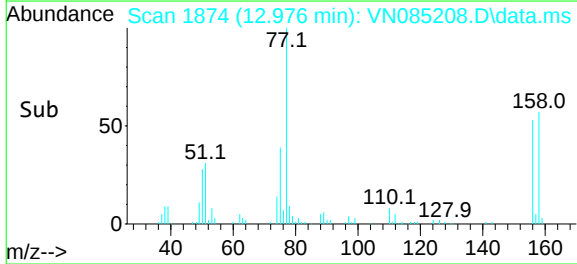
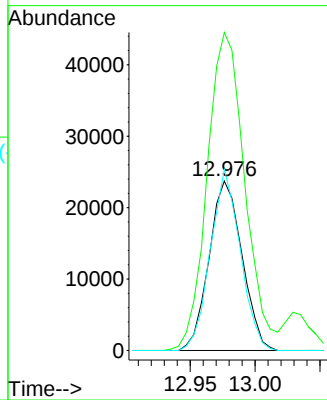
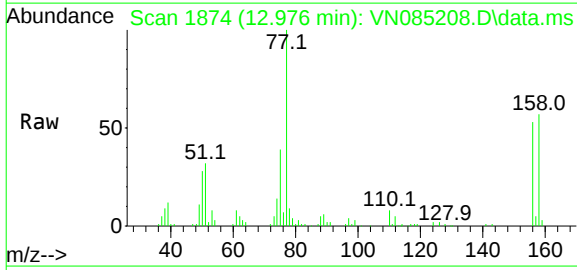
Tgt Ion: 156 Resp: 41970
 Ion Ratio Lower Upper
 156 100
 77 213.6 0.0 430.4
 158 96.9 0.0 195.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#74

n-propylbenzene

Concen: 18.628 ug/l

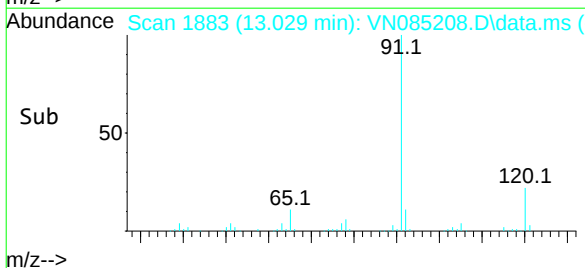
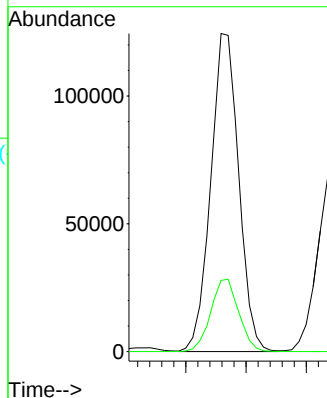
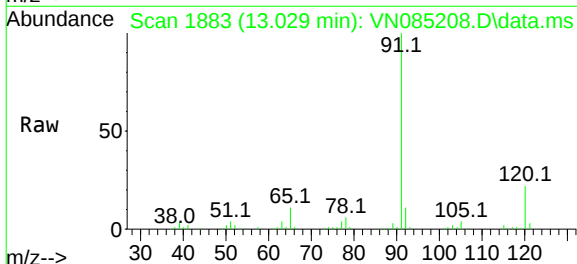
RT: 13.029 min Scan# 1883

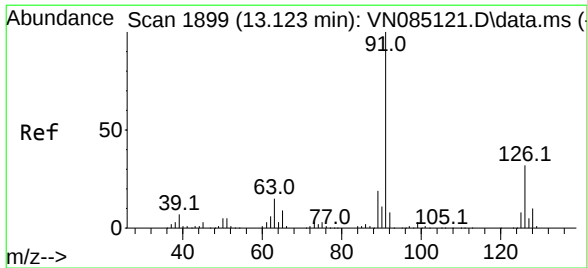
Delta R.T. -0.006 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

Tgt Ion: 91 Resp: 200993
 Ion Ratio Lower Upper
 91 100
 120 22.7 0.0 44.0





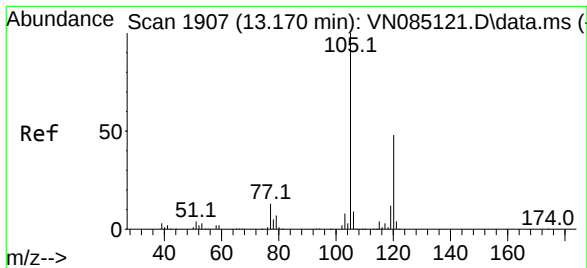
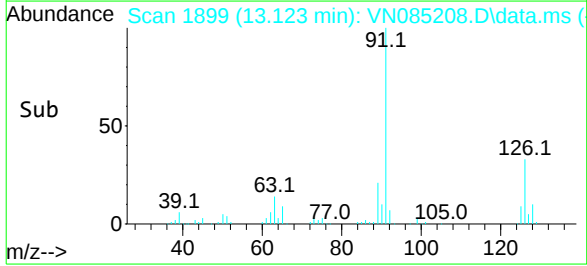
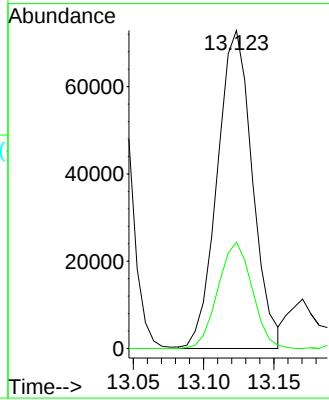
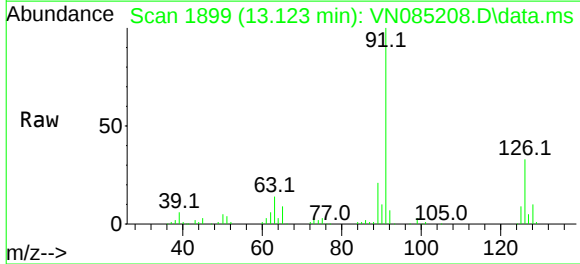
#75
2-Chlorotoluene
Concen: 18.991 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 91 Resp: 126691
Ion Ratio Lower Upper
91 100
126 32.4 0.0 64.2

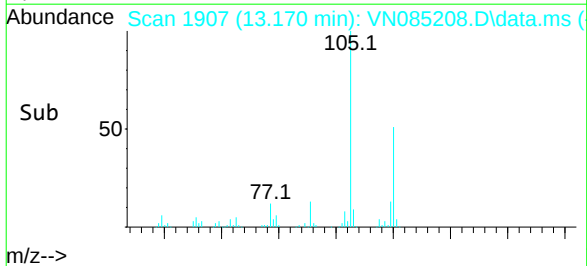
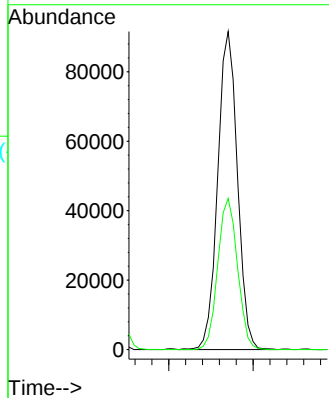
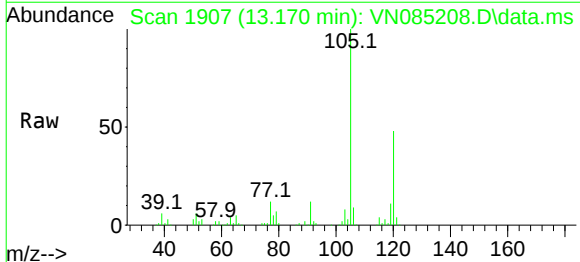
Manual Integrations
APPROVED

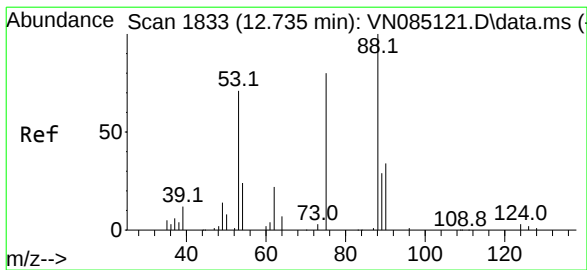
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#76
1,3,5-Trimethylbenzene
Concen: 19.344 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

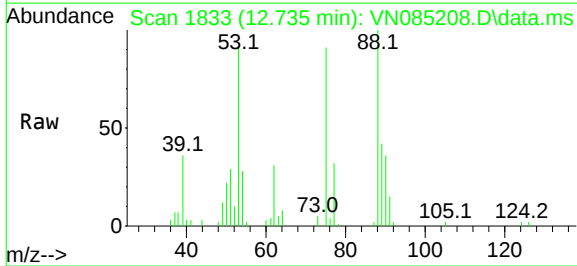
Tgt Ion:105 Resp: 148740
Ion Ratio Lower Upper
105 100
120 47.5 0.0 94.4





#77
t-1,4-Dichloro-2-butene
Concen: 18.768 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

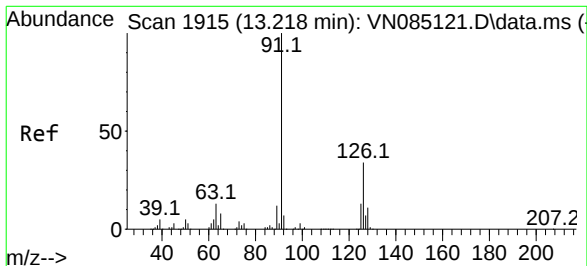
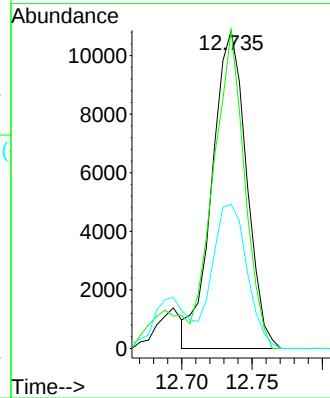
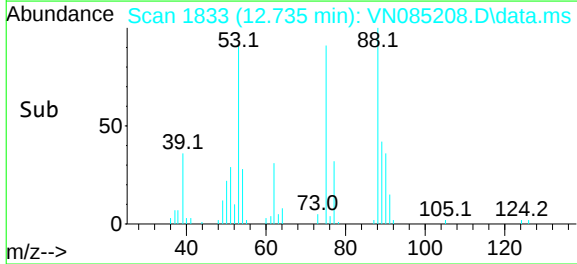
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



Tgt Ion: 75 Resp: 18403
Ion Ratio Lower Upper
75 100
53 100.1 49.1 147.3
89 45.4 22.9 68.5

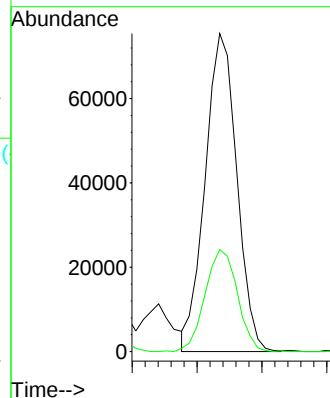
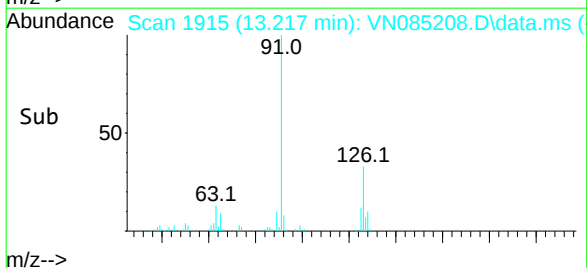
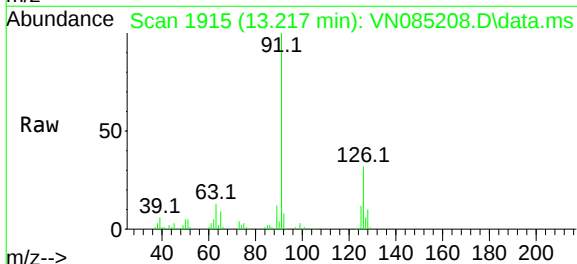
Manual Integrations
APPROVED

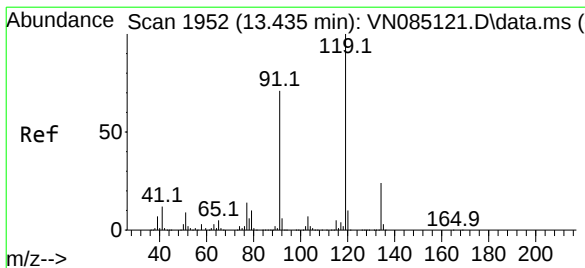
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#78
4-Chlorotoluene
Concen: 18.901 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

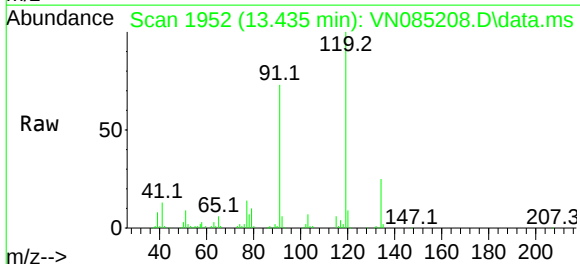
Tgt Ion: 91 Resp: 127983
Ion Ratio Lower Upper
91 100
126 32.6 0.0 64.4





#79
tert-butylbenzene
Concen: 18.902 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

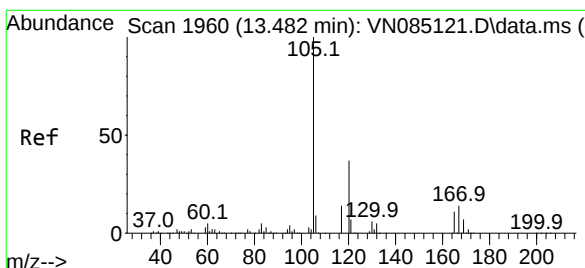
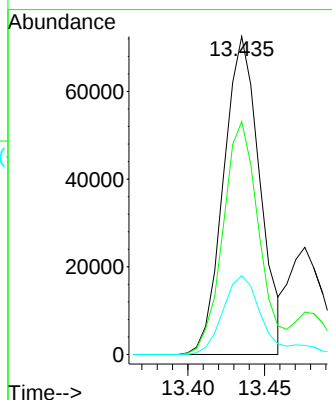
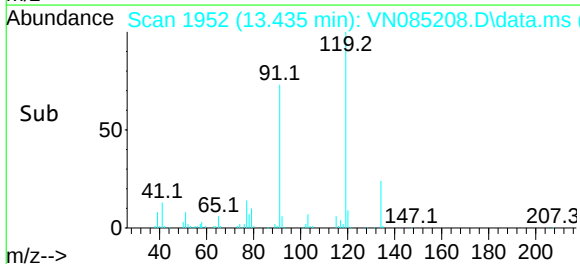
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



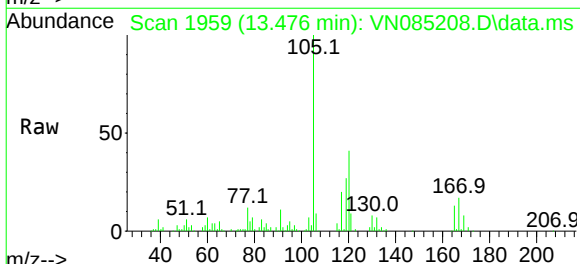
Tgt Ion:119 Resp: 119374
Ion Ratio Lower Upper
119 100
91 72.9 0.0 139.2
134 25.4 0.0 48.0

Manual Integrations
APPROVED

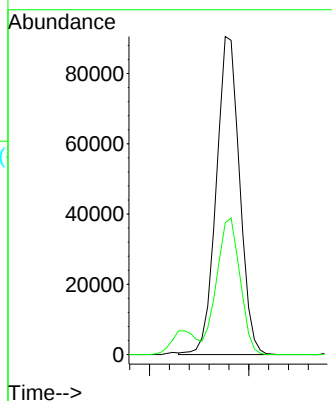
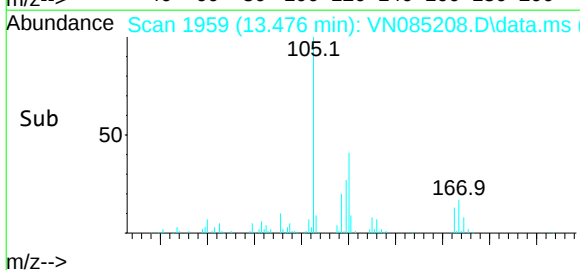
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

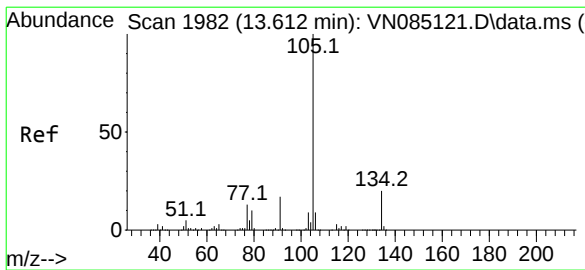


#80
1,2,4-Trimethylbenzene
Concen: 19.451 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19



Tgt Ion:105 Resp: 147735
Ion Ratio Lower Upper
105 100
120 42.9 0.0 87.4





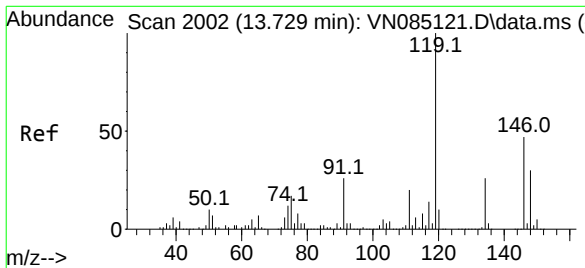
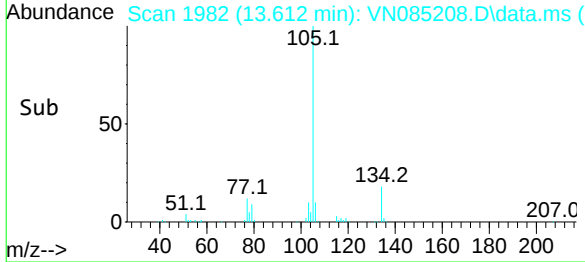
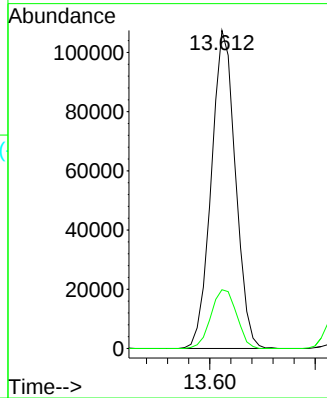
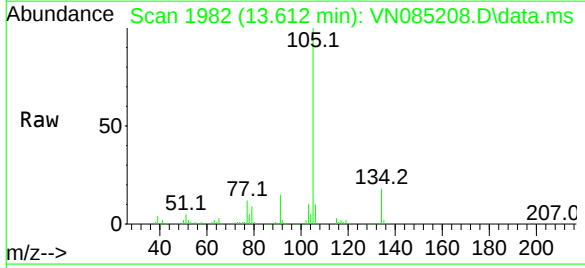
#81
sec-Butylbenzene
Concen: 19.039 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:105 Resp: 170821
Ion Ratio Lower Upper
105 100
134 19.6 0.0 38.0

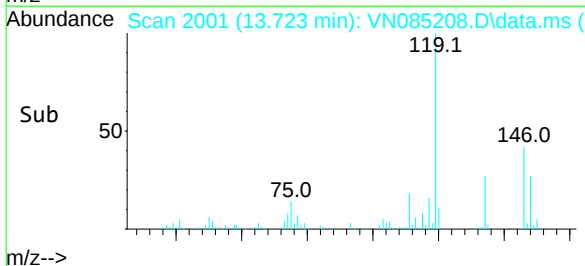
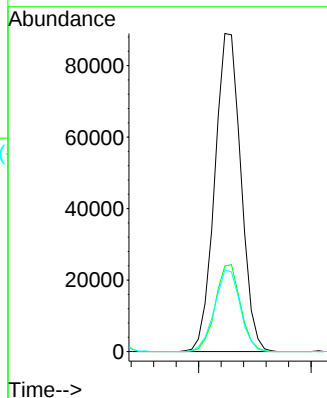
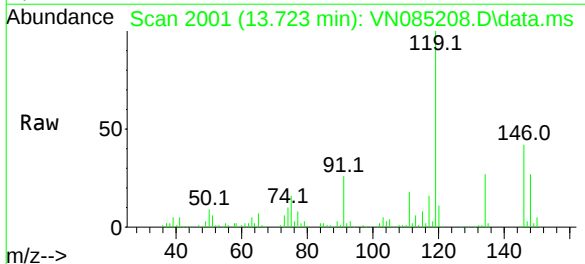
Manual Integrations
APPROVED

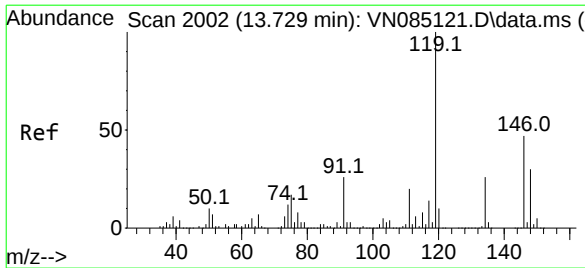
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#82
p-Isopropyltoluene
Concen: 19.331 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:119 Resp: 143795
Ion Ratio Lower Upper
119 100
134 26.3 0.0 51.6
91 25.2 0.0 50.4





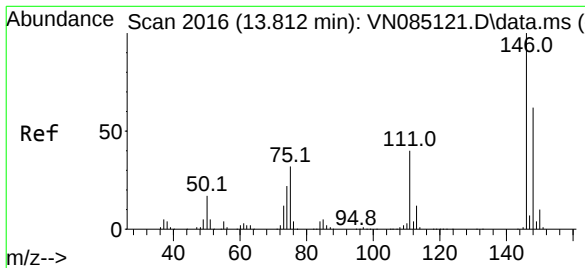
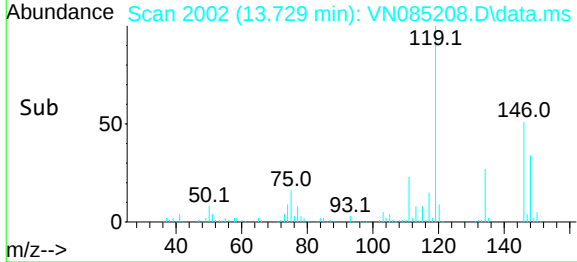
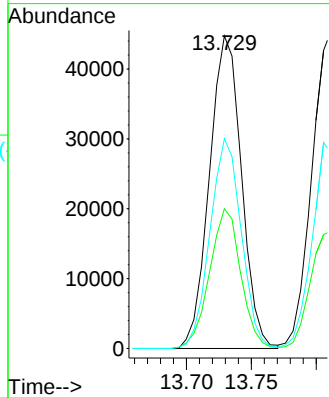
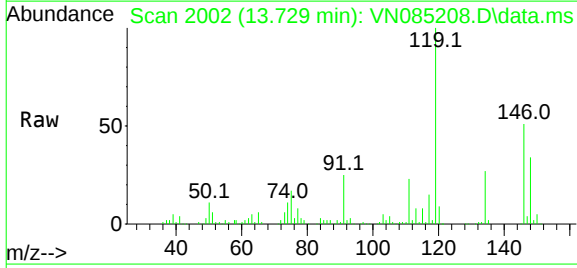
#83
1,3-Dichlorobenzene
Concen: 18.638 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:	146	Resp:	76871
Ion Ratio	Lower	Upper	
146	100		
111	43.6	21.1	63.3
148	65.5	31.8	95.3

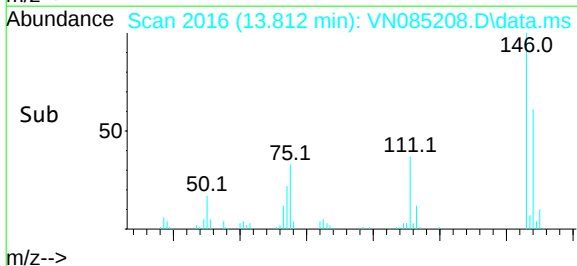
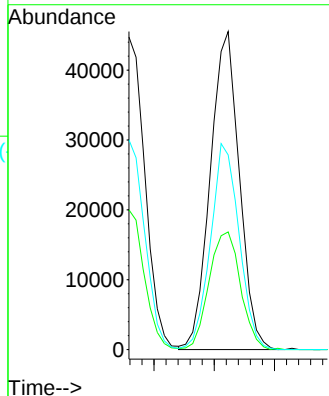
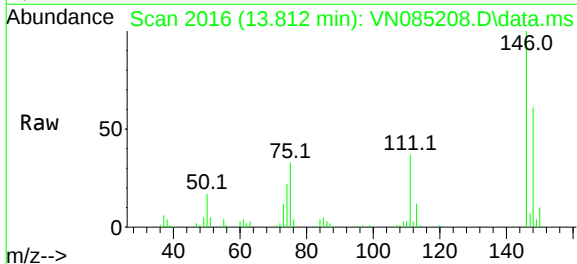
Manual Integrations
APPROVED

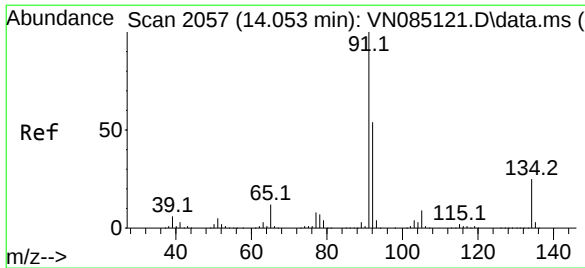
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#84
1,4-Dichlorobenzene
Concen: 19.003 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:	146	Resp:	76385
Ion Ratio	Lower	Upper	
146	100		
111	40.0	20.1	60.3
148	63.8	31.6	94.7





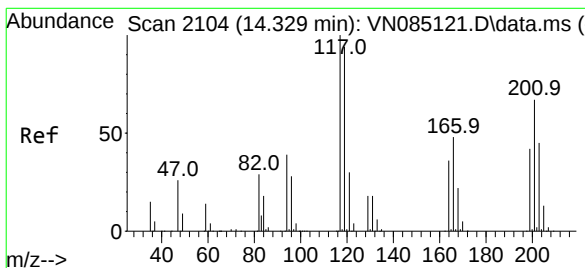
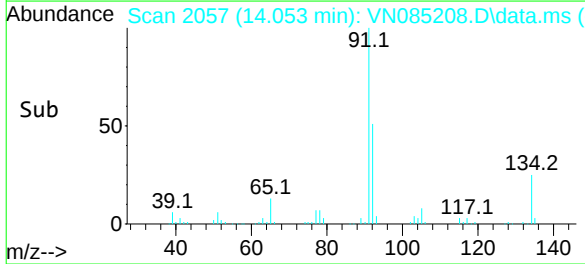
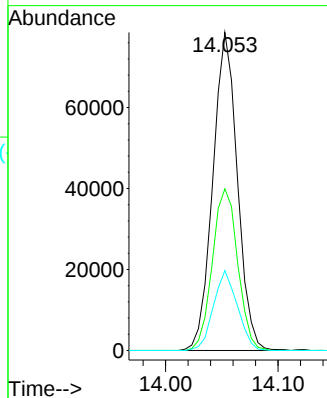
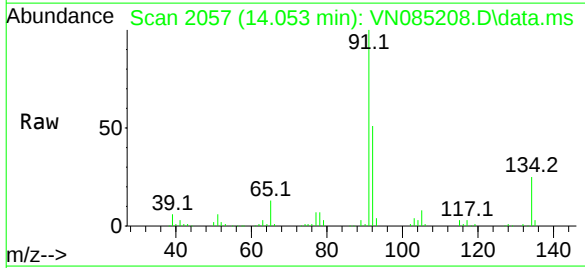
#85
n-Butylbenzene
Concen: 19.083 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 91 Resp: 119073
Ion Ratio Lower Upper
91 100
92 52.4 0.0 104.0
134 24.5 0.0 49.2

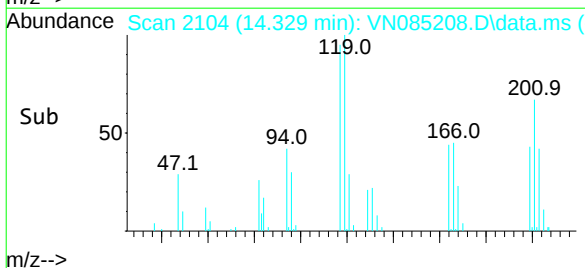
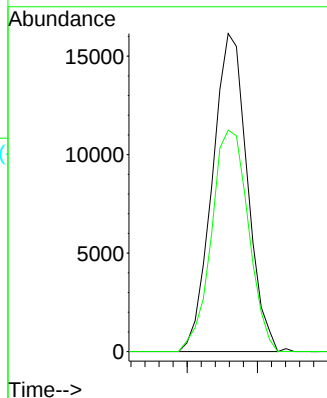
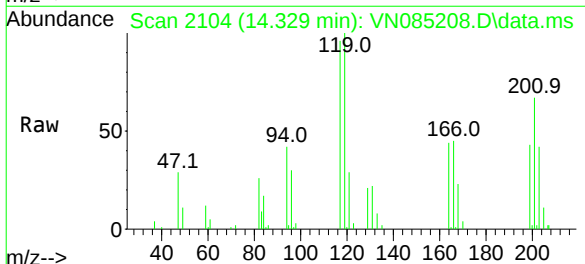
Manual Integrations
APPROVED

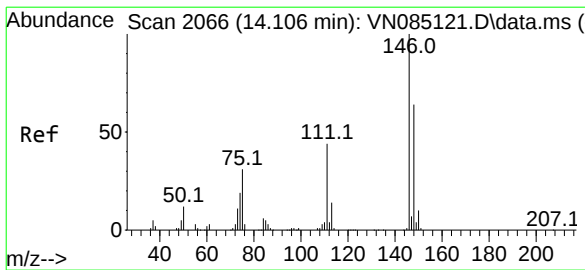
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#86
Hexachloroethane
Concen: 18.824 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:117 Resp: 27875
Ion Ratio Lower Upper
117 100
201 73.5 34.1 102.3





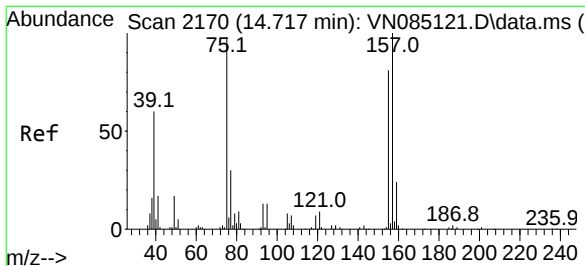
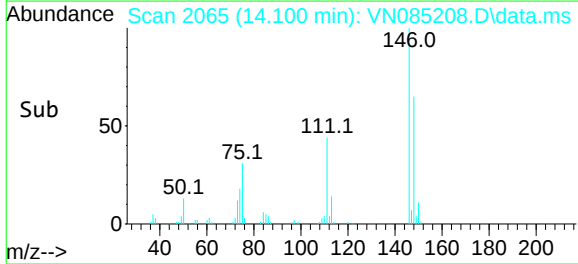
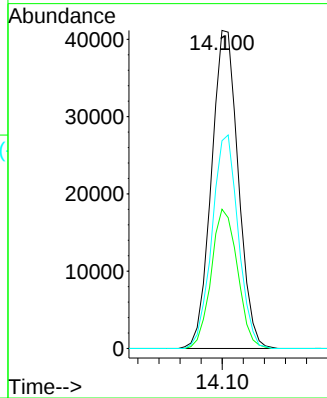
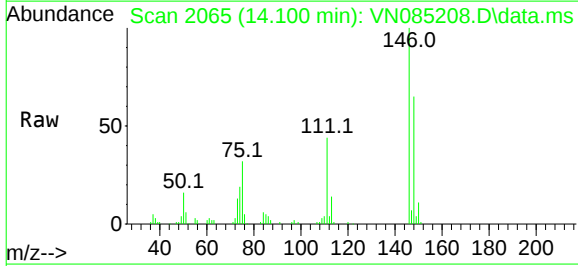
#87
1,2-Dichlorobenzene
Concen: 18.718 ug/l
RT: 14.100 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:	146	Resp:	72871
Ion Ratio	Lower	Upper	
146	100		
111	42.9	21.9	65.7
148	65.6	32.4	97.0

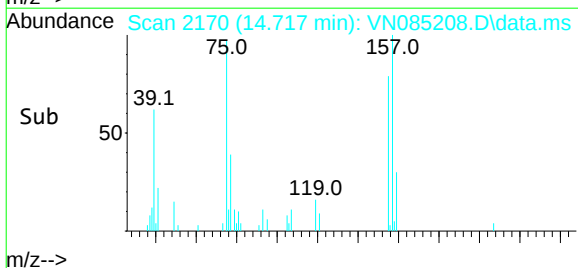
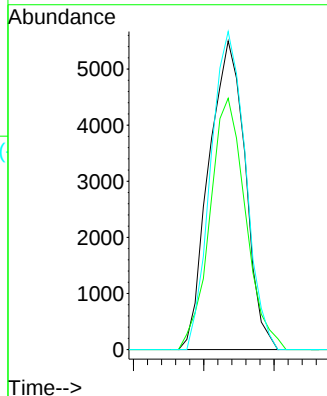
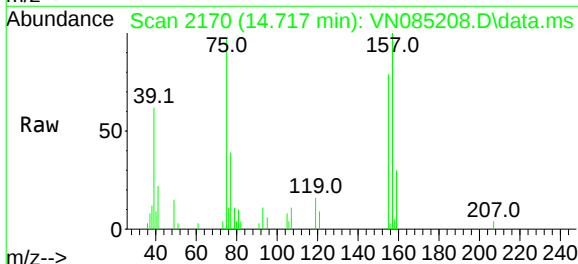
Manual Integrations
APPROVED

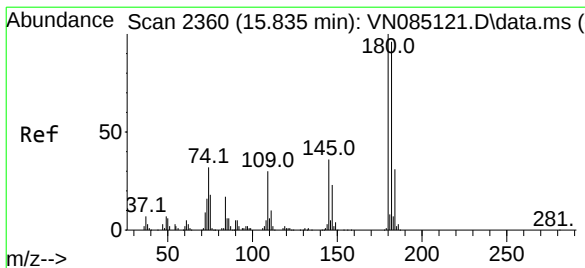
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#88
1,2-Dibromo-3-Chloropropane
Concen: 18.139 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:	75	Resp:	9899
Ion Ratio	Lower	Upper	
75	100		
155	79.8	62.1	93.1
157	98.5	79.3	118.9





#89

1,2,4-Trichlorobenzene

Concen: 19.527 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01

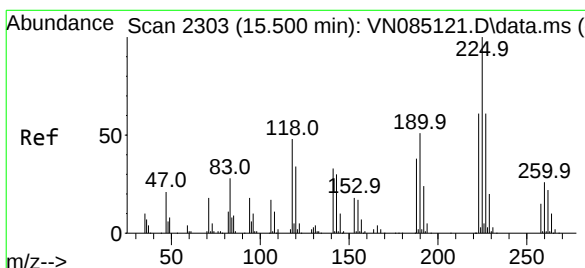
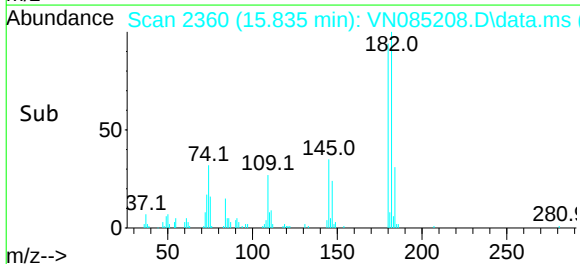
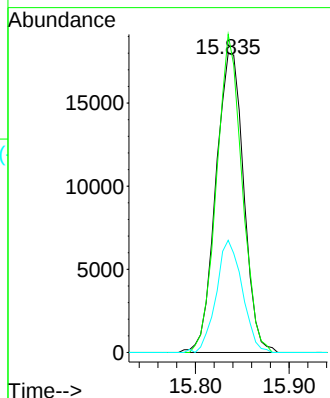
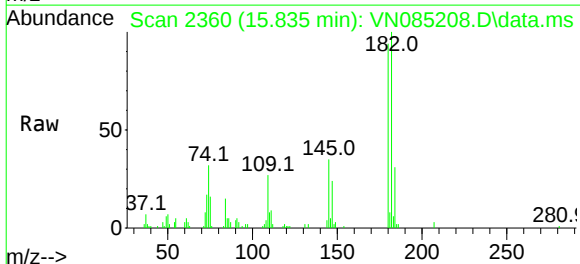
Tgt Ion:	180	Resp:	37230
Ion Ratio	Lower	Upper	
180	100		
182	96.8	74.0	111.0
145	34.8	28.6	43.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#90

Hexachlorobutadiene

Concen: 20.308 ug/l

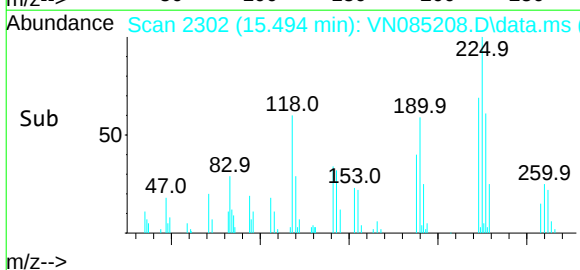
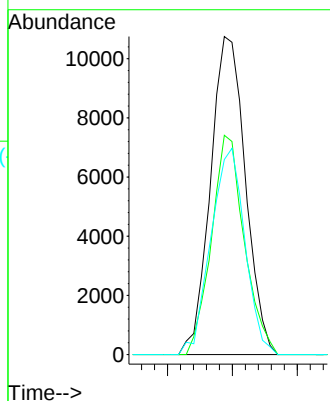
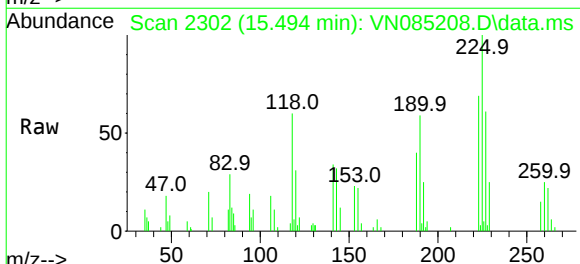
RT: 15.494 min Scan# 2302

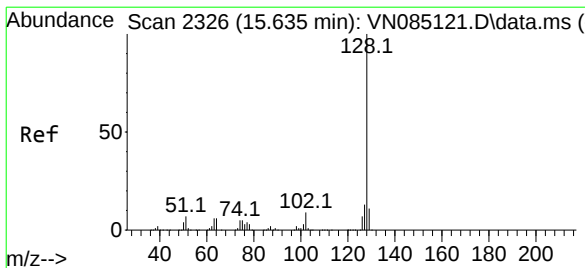
Delta R.T. -0.006 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

Tgt Ion:	225	Resp:	20120
Ion Ratio	Lower	Upper	
225	100		
223	64.7	0.0	121.8
227	63.1	0.0	126.8





#91

Naphthalene

Concen: 18.930 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.006 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01

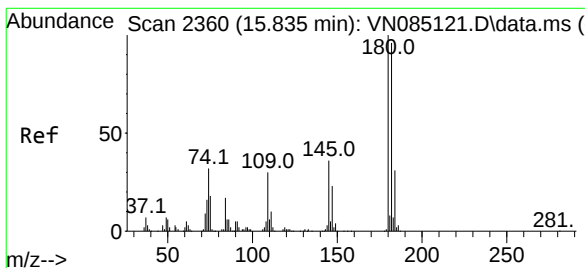
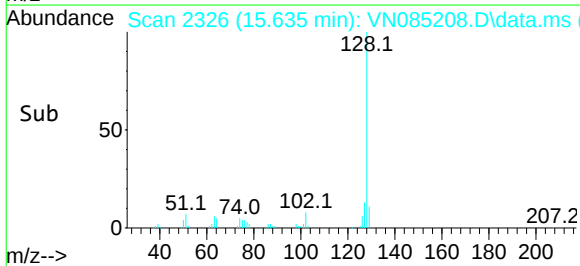
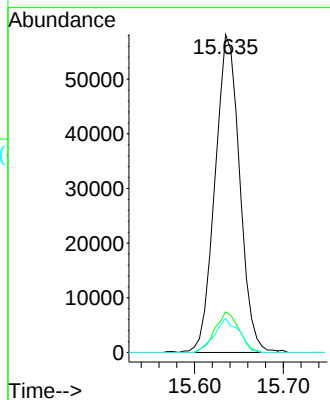
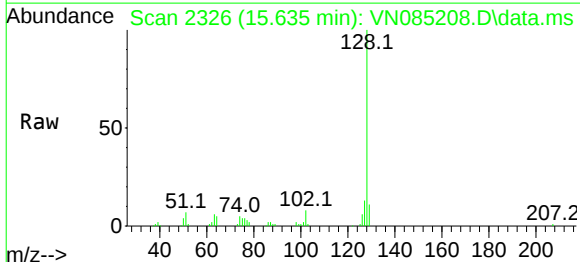
Tgt Ion:	128	Resp:	112126
Ion	Ratio	Lower	Upper
128	100		
127	12.6	11.0	16.4
129	10.6	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#92

1,2,3-Trichlorobenzene

Concen: 19.527 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN085208.D

Acq: 16 Dec 2024 10:19

Tgt Ion:	180	Resp:	37230
Ion	Ratio	Lower	Upper
180	100		
182	96.8	0.0	185.0
145	34.8	0.0	71.6

