

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051723\
 Data File : VN077704.D
 Acq On : 17 May 2023 11:03
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/18/2023
 Supervised By : Mahesh Dadoda 05/18/2023

Quant Time: May 18 01:36:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	434665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	794714	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	696610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	311035	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	338405	52.033	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.060%			
35) Dibromofluoromethane	8.171	113	277414	53.532	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.060%			
50) Toluene-d8	10.571	98	1061815	53.232	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.460%			
62) 4-Bromofluorobenzene	12.853	95	370754	52.628	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.260%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	234107	47.325	ug/l	98
3) Chloromethane	2.365	50	237681	45.143	ug/l	99
4) Vinyl Chloride	2.518	62	278292	44.621	ug/l	99
5) Bromomethane	2.959	94	200325	43.429	ug/l	99
6) Chloroethane	3.124	64	191289	42.559	ug/l	99
7) Trichlorofluoromethane	3.506	101	403558	46.430	ug/l	99
8) Diethyl Ether	3.971	74	146340	46.119	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.377	101	226422	47.072	ug/l	99
10) Methyl Iodide	4.595	142	302300	52.698	ug/l	98
11) Tert butyl alcohol	5.524	59	192198	214.131	ug/l #	87
12) 1,1-Dichloroethene	4.348	96	217669	47.612	ug/l	89
13) Acrolein	4.183	56	145302	261.540	ug/l	95
14) Allyl chloride	5.030	41	297430	44.287	ug/l	95
15) Acrylonitrile	5.724	53	547635	228.374	ug/l	99
16) Acetone	4.436	43	432421	211.334	ug/l	95
17) Carbon Disulfide	4.718	76	531882	43.179	ug/l	99
18) Methyl Acetate	5.030	43	391083	45.560	ug/l	89
19) Methyl tert-butyl Ether	5.806	73	775402	46.858	ug/l	97
20) Methylene Chloride	5.283	84	260178	48.806	ug/l	90
21) trans-1,2-Dichloroethene	5.789	96	237761	46.299	ug/l #	81
22) Diisopropyl ether	6.683	45	740817	47.060	ug/l #	94
23) Vinyl Acetate	6.606	43	2224770	228.102	ug/l #	88
24) 1,1-Dichloroethane	6.571	63	457336	47.421	ug/l	98
25) 2-Butanone	7.489	43	710119	221.857	ug/l #	87
26) 2,2-Dichloropropane	7.494	77	388846	47.458	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	290794	47.226	ug/l	90
28) Bromochloromethane	7.818	49	211158	50.626	ug/l	86
29) Tetrahydrofuran	7.841	42	467260	222.945	ug/l #	83
30) Chloroform	7.971	83	504313	47.536	ug/l	93
31) Cyclohexane	8.265	56	386679	43.745	ug/l	90
32) 1,1,1-Trichloroethane	8.177	97	429801	47.651	ug/l	96
36) 1,1-Dichloropropene	8.377	75	362376	47.808	ug/l	96
37) Ethyl Acetate	7.565	43	301157	44.576	ug/l	96
38) Carbon Tetrachloride	8.371	117	375554	49.066	ug/l	99
39) Methylcyclohexane	9.606	83	450995	48.600	ug/l	90
40) Benzene	8.612	78	1075153	48.067	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	163691	45.496	ug/l	90
42) 1,2-Dichloroethane	8.677	62	381556	46.959	ug/l	97
43) Isopropyl Acetate	8.694	43	506688	45.916	ug/l	96
44) Trichloroethene	9.359	130	276216	48.769	ug/l	100
45) 1,2-Dichloropropane	9.624	63	278177	48.757	ug/l	93
46) Dibromomethane	9.718	93	192321	47.107	ug/l	96
47) Bromodichloromethane	9.894	83	388896	49.755	ug/l	99
48) Methyl methacrylate	9.688	41	251122	47.997	ug/l	85
49) 1,4-Dioxane	9.700	88	89759	908.324	ug/l #	90
51) 4-Methyl-2-Pentanone	10.453	43	1535148	234.036	ug/l	93
52) Toluene	10.635	92	680343	48.857	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	409653	49.493	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	447081	49.015	ug/l	93
55) 1,1,2-Trichloroethane	11.024	97	266337	48.170	ug/l	96
56) Ethyl methacrylate	10.877	69	407423	48.735	ug/l	89
57) 1,3-Dichloropropane	11.171	76	457632	48.280	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	1044758	254.027	ug/l	91
59) 2-Hexanone	11.200	43	1098638	226.441	ug/l	93
60) Dibromochloromethane	11.365	129	291753	51.113	ug/l	98
61) 1,2-Dibromoethane	11.477	107	270506	49.041	ug/l	99
64) Tetrachloroethene	11.112	164	255293	52.405	ug/l	97
65) Chlorobenzene	11.900	112	721851	47.799	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	269560	51.587	ug/l	98
67) Ethyl Benzene	11.971	91	1321031	48.813	ug/l	100
68) m/p-Xylenes	12.076	106	1016164	99.095	ug/l	98
69) o-Xylene	12.406	106	500732	49.653	ug/l	98
70) Styrene	12.418	104	804115	50.194	ug/l	98
71) Bromoform	12.582	173	182545	52.514	ug/l #	99
73) Isopropylbenzene	12.700	105	1300836	48.518	ug/l	99
74) N-amyl acetate	12.500	43	434570	43.851	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.947	83	370878	44.965	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	323874m	41.579	ug/l	
77) Bromobenzene	12.988	156	279293	45.647	ug/l	97
78) n-propylbenzene	13.041	91	1519304	48.066	ug/l	100
79) 2-Chlorotoluene	13.129	91	888924	47.129	ug/l	98
80) 1,3,5-Trimethylbenzene	13.182	105	1080767	47.962	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.747	75	116906	47.974	ug/l #	83
82) 4-Chlorotoluene	13.229	91	873554	46.549	ug/l	99
83) tert-Butylbenzene	13.447	119	940387	47.804	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	1077823	48.634	ug/l	100
85) sec-Butylbenzene	13.623	105	1347335	48.193	ug/l	99
86) p-Isopropyltoluene	13.735	119	1113763	49.971	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	531630	46.983	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	528189	47.040	ug/l	99
89) n-Butylbenzene	14.065	91	986450	48.119	ug/l	98
90) Hexachloroethane	14.341	117	190403	52.001	ug/l	92
91) 1,2-Dichlorobenzene	14.112	146	514529	48.675	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.729	75	69927	43.790	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	284968	46.131	ug/l	98
94) Hexachlorobutadiene	15.512	225	123630	48.203	ug/l	98
95) Naphthalene	15.653	128	923889	43.452	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	277645	45.906	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Manual Integrations

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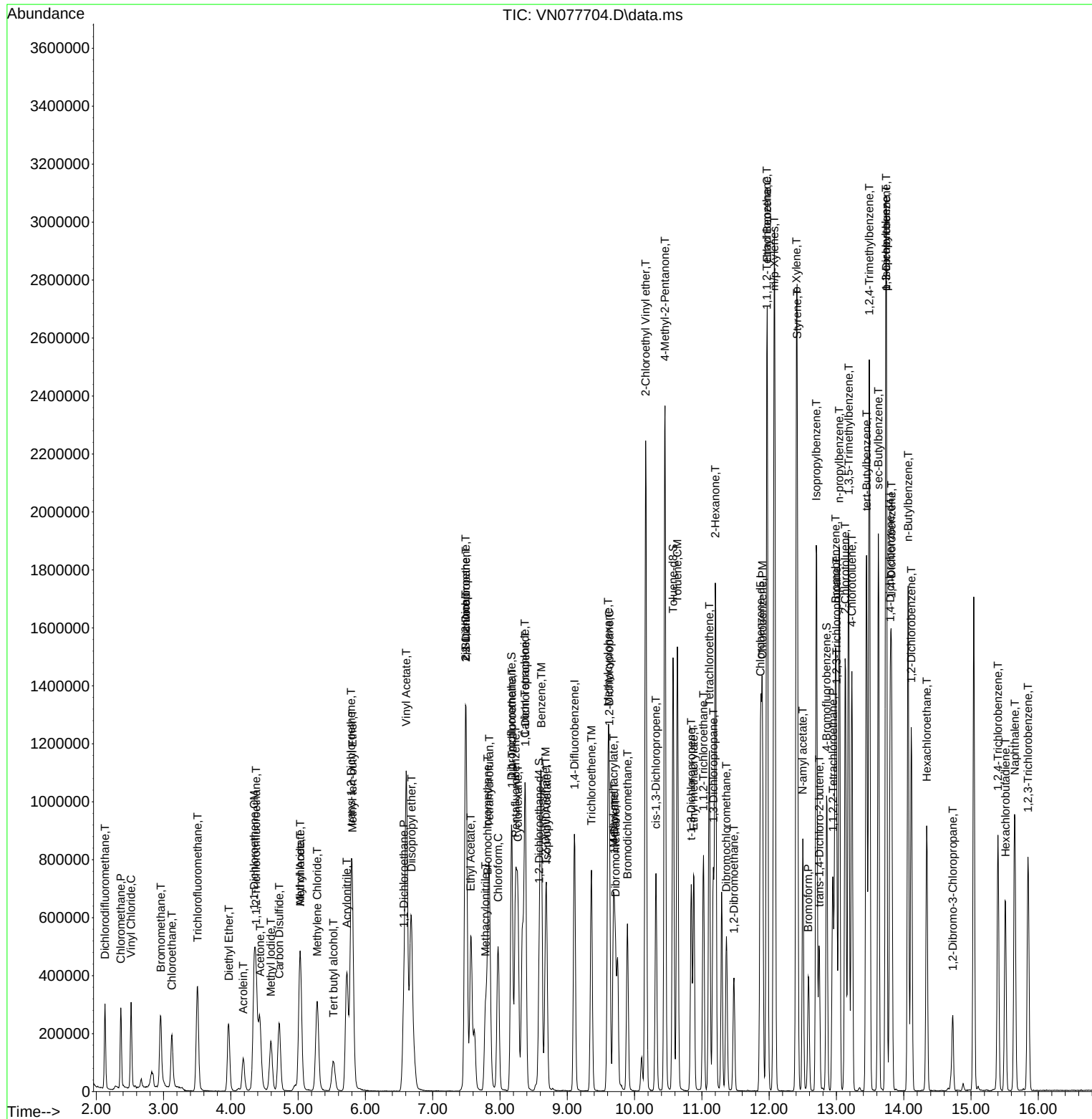
Quant Time: May 18 01:36:48 2023

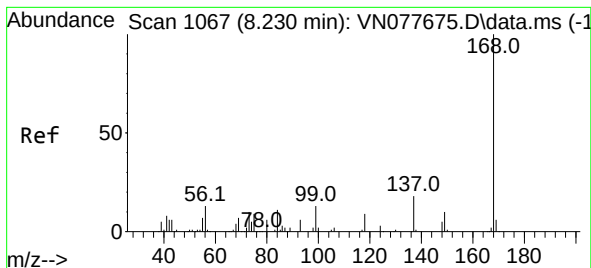
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Quant Title : SW846 8260

QLast Update : Tue May 16 04:07:42 2023

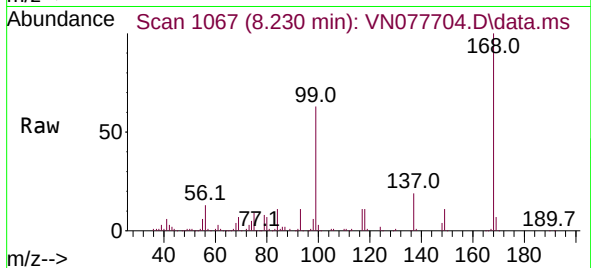
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN077704.D
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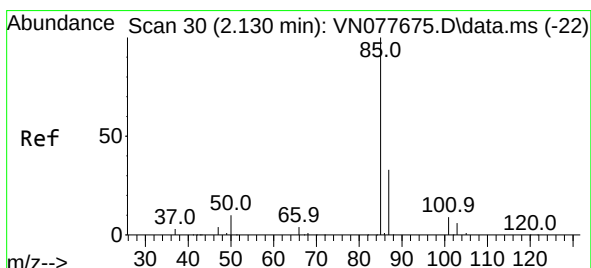
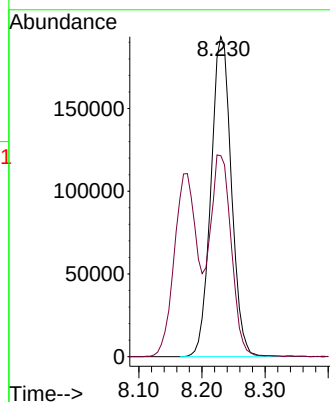
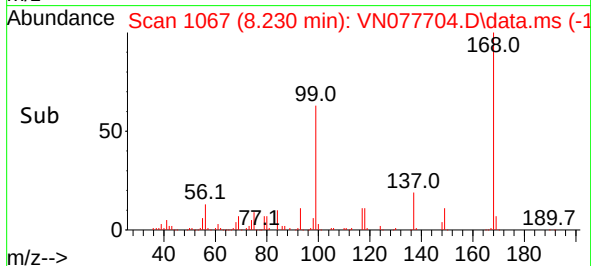
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VSTDCCC050



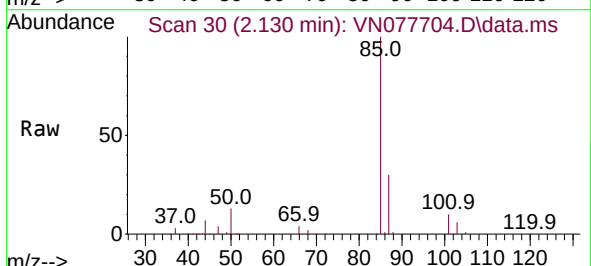
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Ion Ratio Lower Upper
168 100
99 62.6 53.0 79.6

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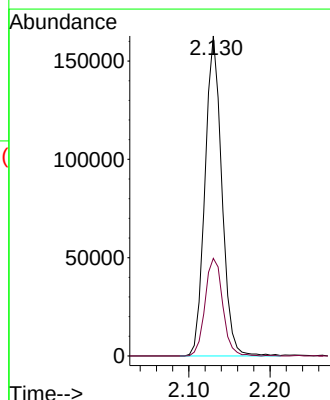
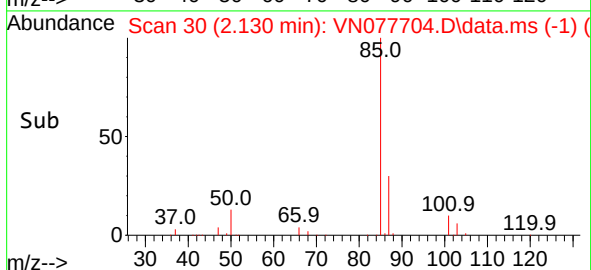
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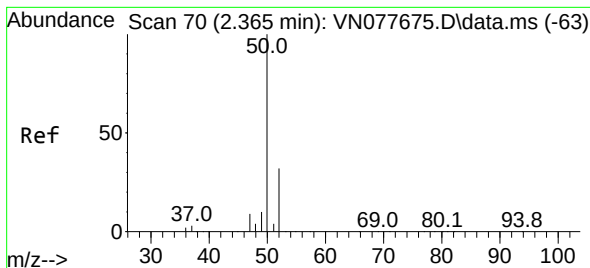


#2
Dichlorodifluoromethane
Concen: 47.325 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03



Tgt Ion: 85 Resp: 234107
Ion Ratio Lower Upper
85 100
87 30.5 15.8 47.4





#3

Chloromethane

Concen: 45.143 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN077704.D

Acq: 17 May 2023 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 23768

Ion Ratio Lower Upper

50 100

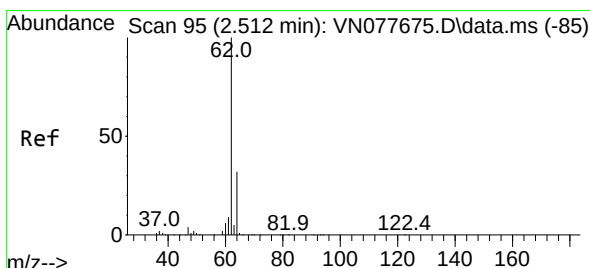
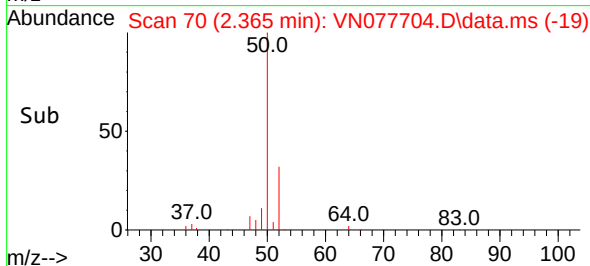
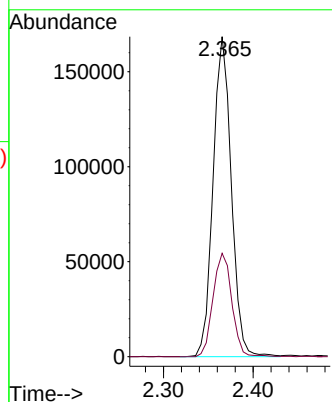
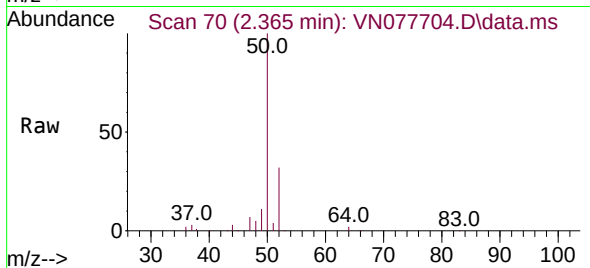
52 32.3 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.621 ug/l

RT: 2.518 min Scan# 96

Delta R.T. 0.006 min

Lab File: VN077704.D

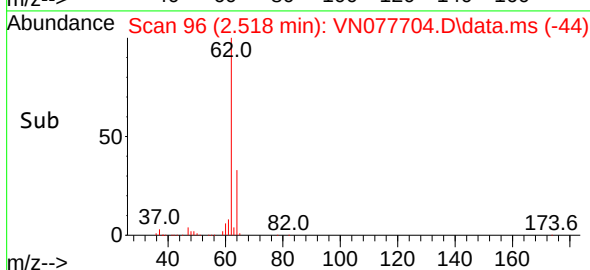
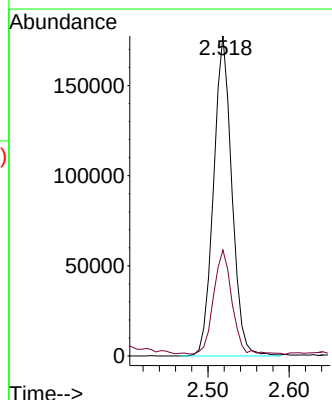
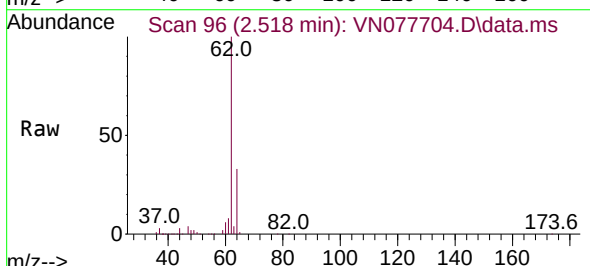
Acq: 17 May 2023 11:03

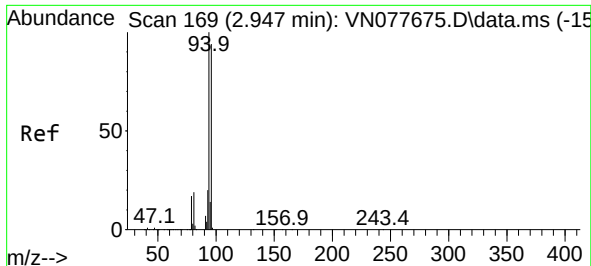
Tgt Ion: 62 Resp: 278292

Ion Ratio Lower Upper

62 100

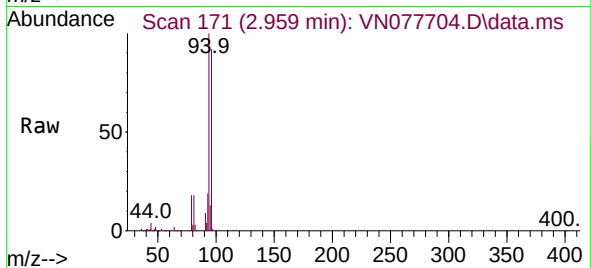
64 32.2 26.2 39.2





#5
Bromomethane
Concen: 43.429 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN077704.D
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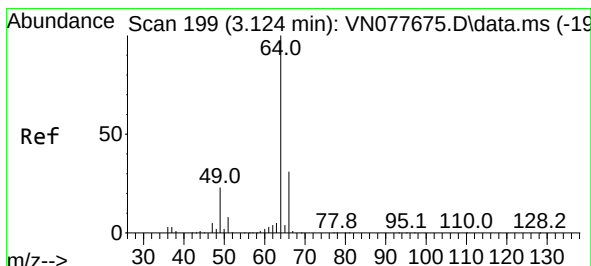
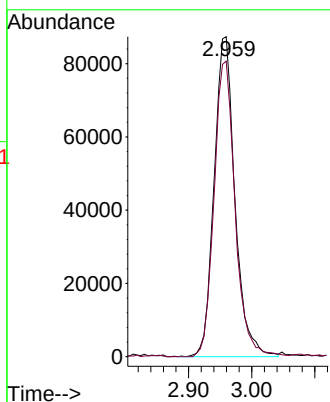
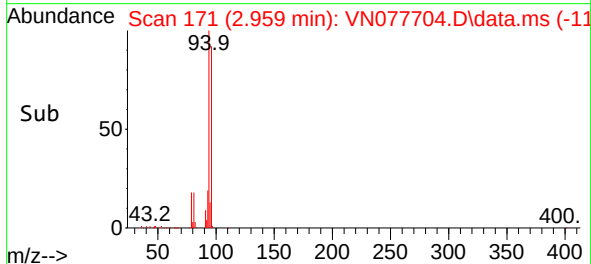
Instrument :
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Tgt Ion: 94 Resp: 200329
Ion Ratio Lower Upper
94 100
96 92.4 73.1 109.7

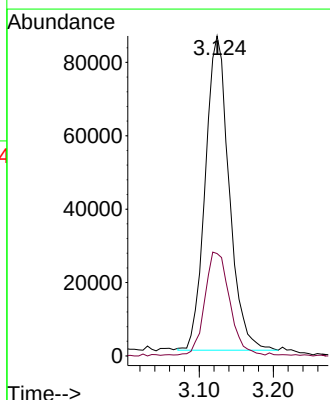
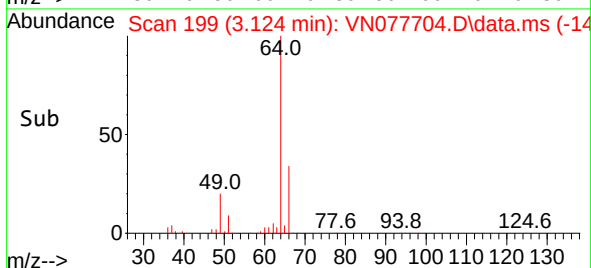
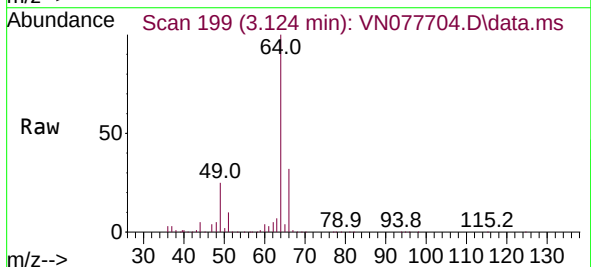
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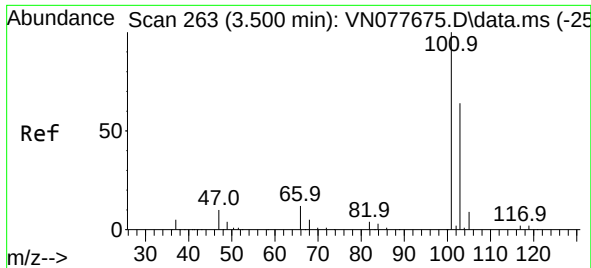
Reviewed By :John Carlone 05/18/2023
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#6
Chloroethane
Concen: 42.559 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Tgt Ion: 64 Resp: 191289
Ion Ratio Lower Upper
64 100
66 32.2 25.4 38.2





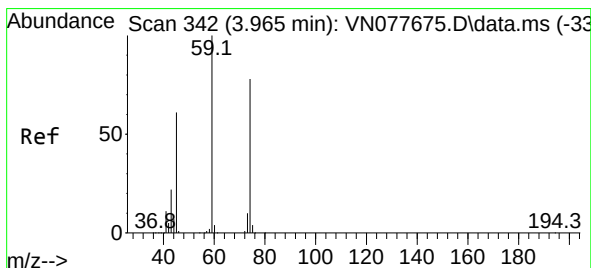
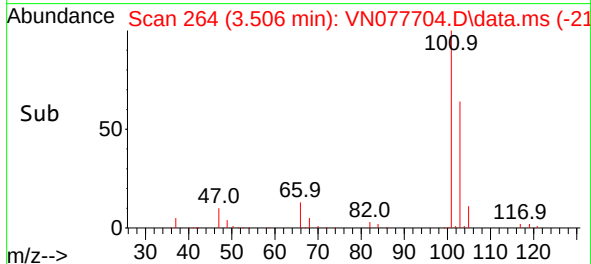
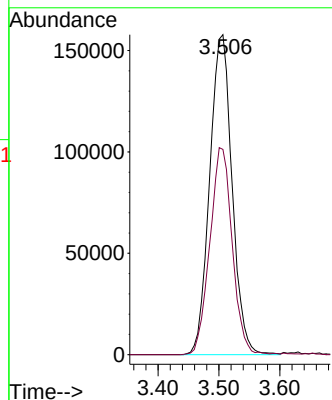
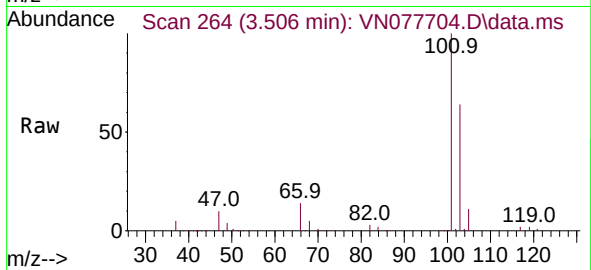
#7
Trichlorofluoromethane
Concen: 46.430 ug/l
RT: 3.506 min Scan# 263
Delta R.T. 0.006 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Instrument :
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ClientSampleId :
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Tgt Ion:101 Resp: 403558
Ion Ratio Lower Upper
101 100
103 64.1 50.7 76.1

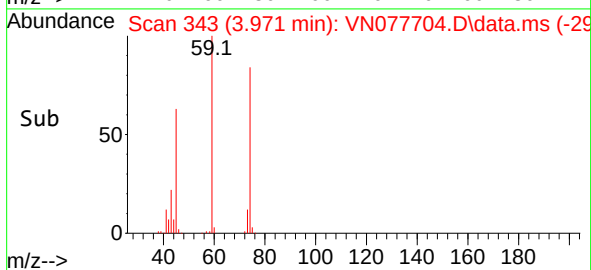
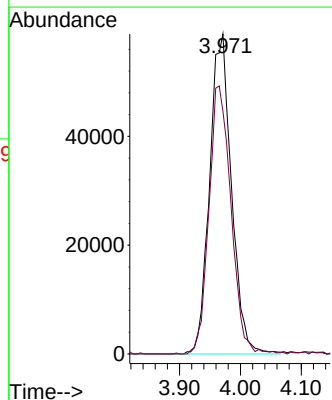
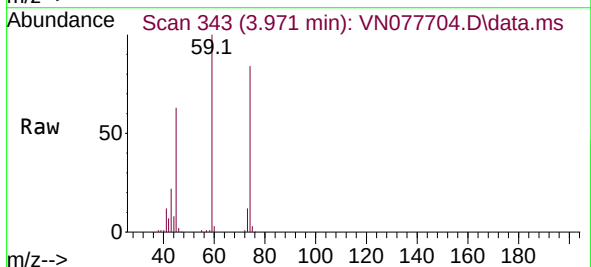
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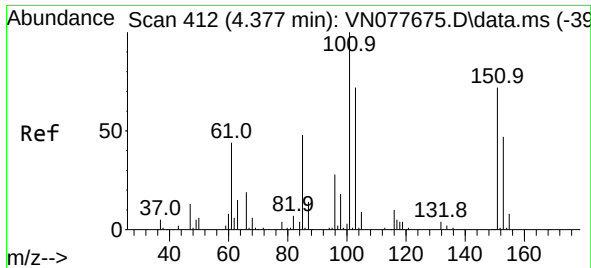
Reviewed By :John Carlone 05/18/2023
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#8
Diethyl Ether
Concen: 46.119 ug/l
RT: 3.971 min Scan# 343
Delta R.T. 0.006 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Tgt Ion: 74 Resp: 146340
Ion Ratio Lower Upper
74 100
45 84.8 34.4 103.3





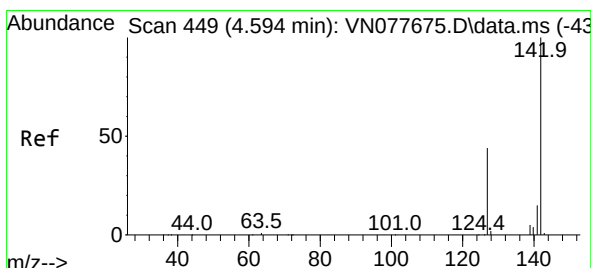
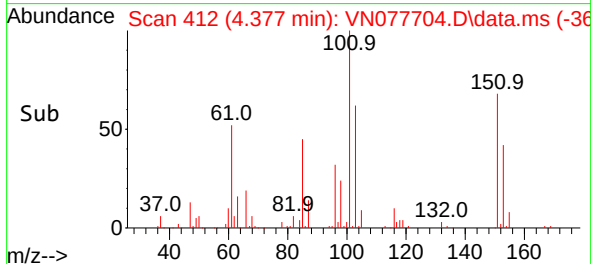
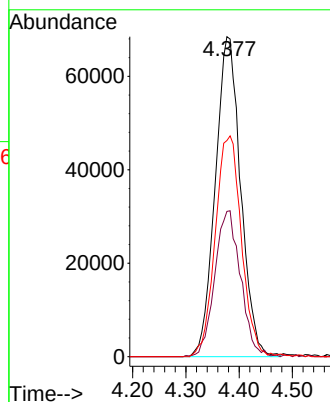
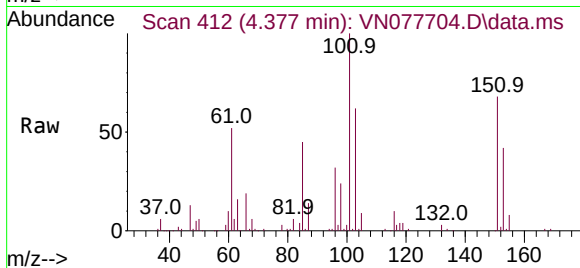
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.072 ug/l
RT: 4.377 min Scan# 412
Delta R.T. 0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 22642
Ion Ratio Lower Upper
101 100
85 46.3 36.6 55.0
151 71.2 57.6 86.4

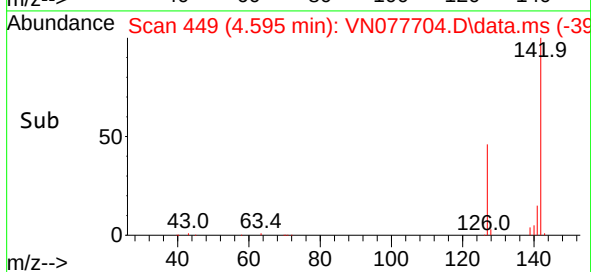
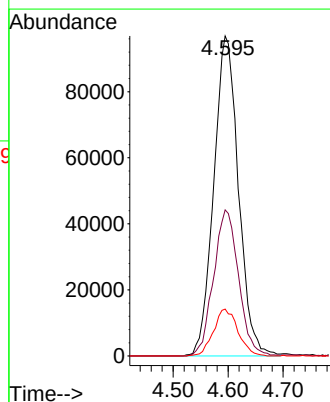
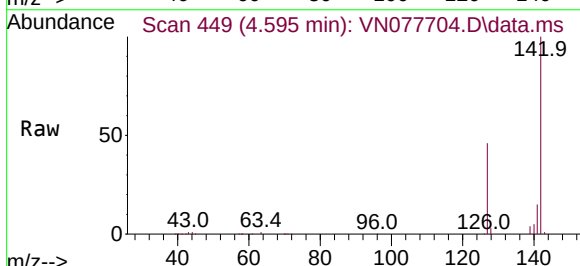
Manual Integrations
APPROVED

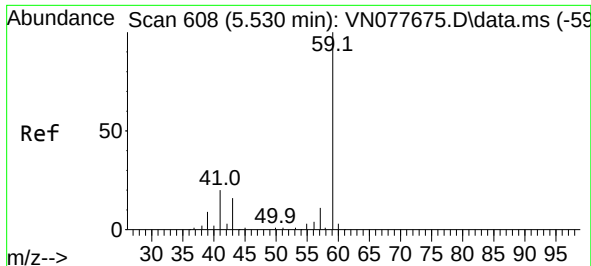
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#10
Methyl Iodide
Concen: 52.698 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.001 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

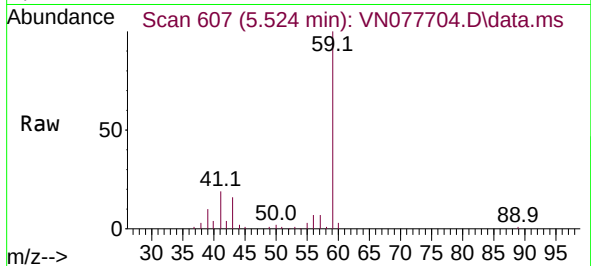
Tgt Ion:142 Resp: 302300
Ion Ratio Lower Upper
142 100
127 45.7 37.6 56.4
141 14.7 11.4 17.0





#11
Tert butyl alcohol
Concen: 214.131 ug/l
RT: 5.524 min Scan# 608
Delta R.T. -0.006 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

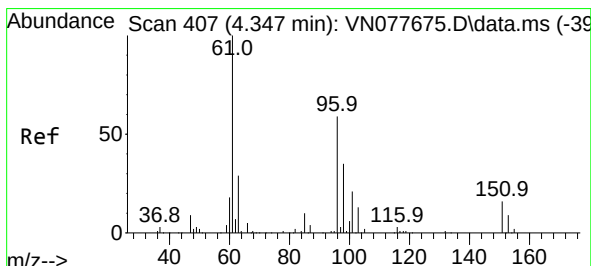
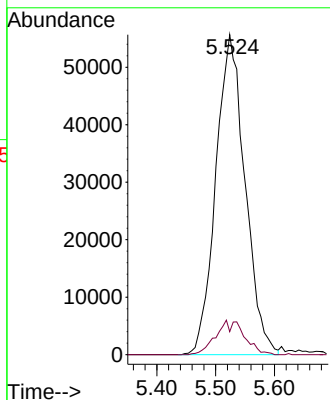
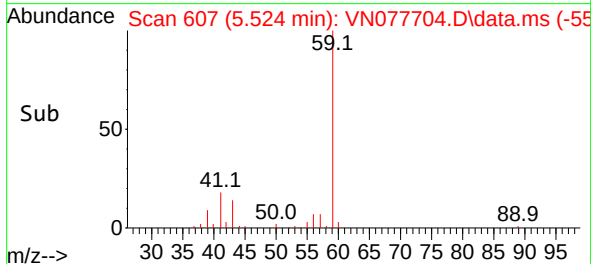
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 59 Resp: 192198
Ion Ratio Lower Upper
59 100
57 5.5 8.2 12.4

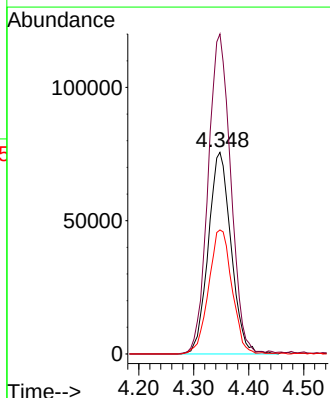
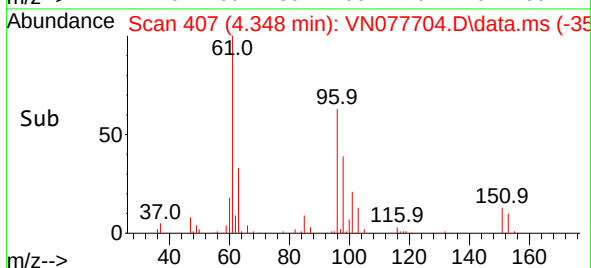
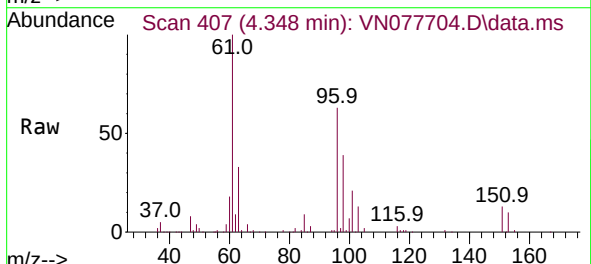
Manual Integrations
APPROVED

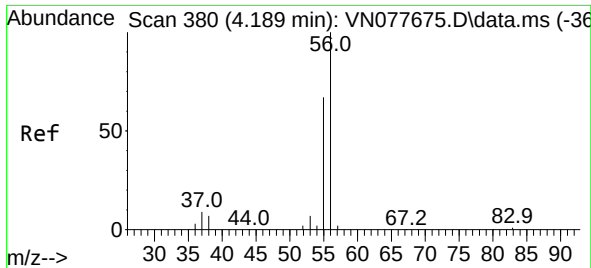
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#12
1,1-Dichloroethene
Concen: 47.612 ug/l
RT: 4.348 min Scan# 407
Delta R.T. 0.001 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

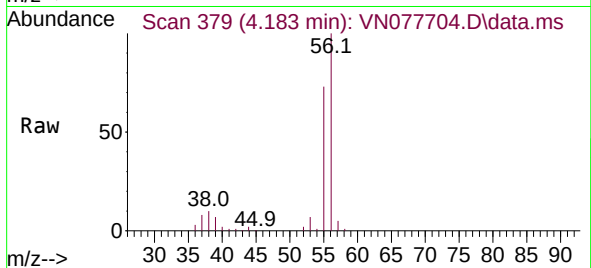
Tgt Ion: 96 Resp: 217669
Ion Ratio Lower Upper
96 100
61 158.7 112.7 169.1
98 61.5 51.2 76.8





#13
Acrolein
Concen: 261.540 ug/l
RT: 4.183 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

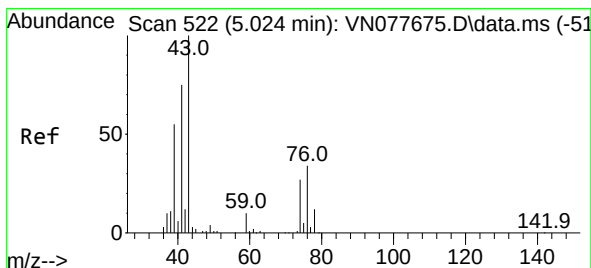
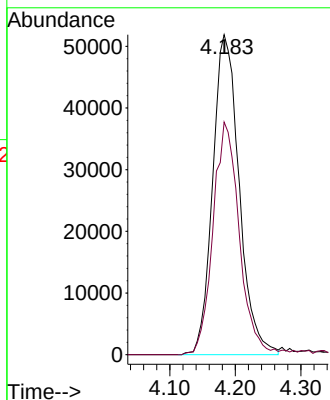
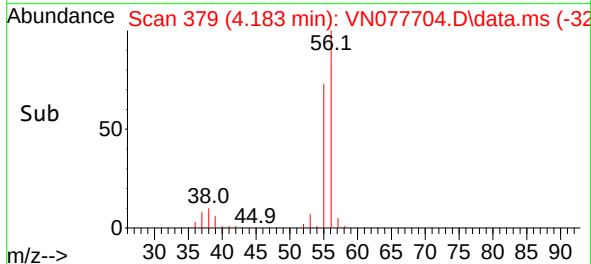
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 56 Resp: 145302
Ion Ratio Lower Upper
56 100
55 72.3 54.5 81.7

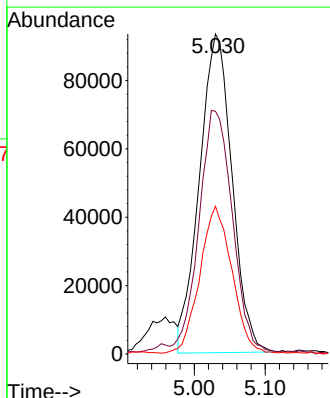
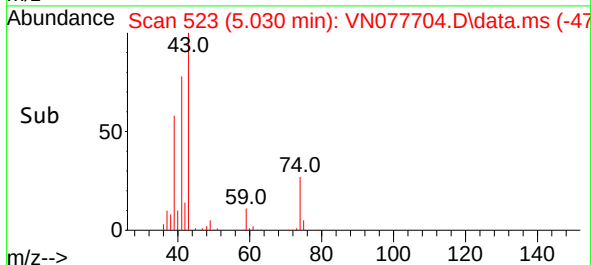
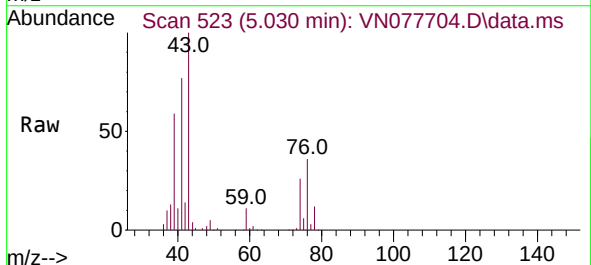
Manual Integrations
APPROVED

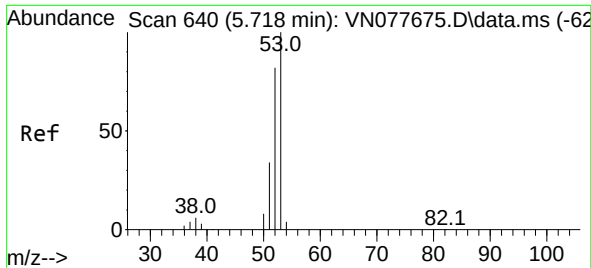
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#14
Allyl chloride
Concen: 44.287 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Tgt Ion: 41 Resp: 297430
Ion Ratio Lower Upper
41 100
39 77.9 58.8 88.2
76 45.3 39.1 58.7





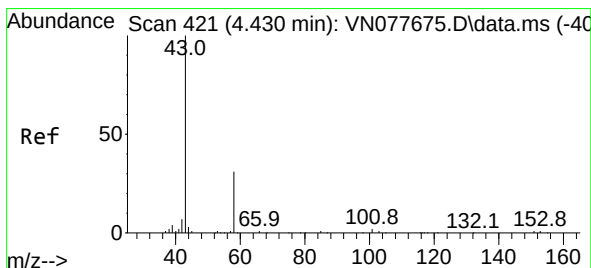
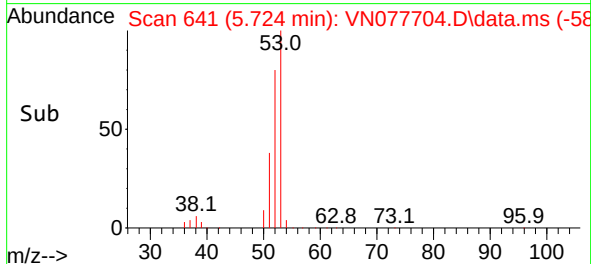
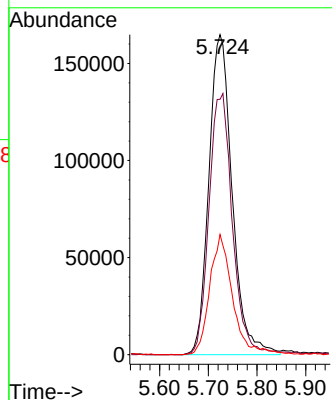
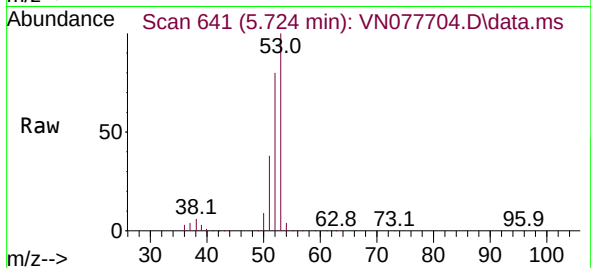
#15
Acrylonitrile
Concen: 228.374 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.006 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 54763
Ion Ratio Lower Upper
53 100
52 82.3 65.3 97.9
51 36.9 28.9 43.3

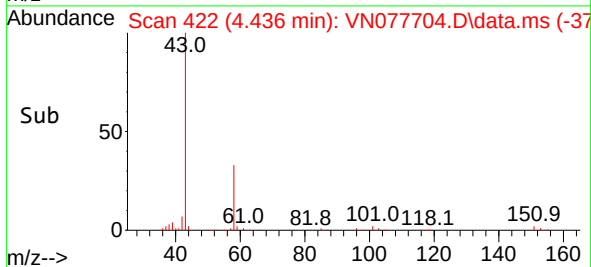
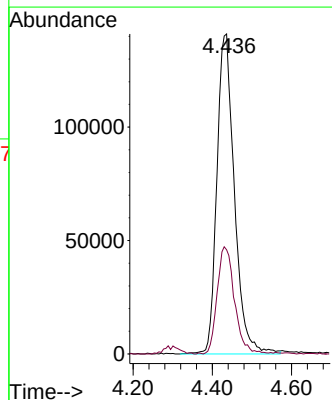
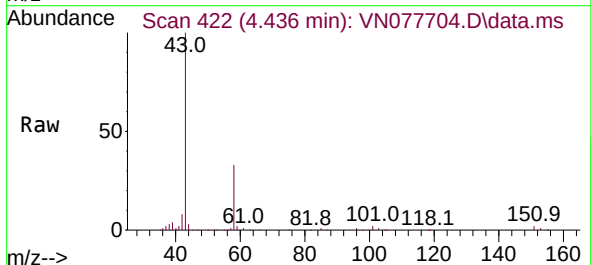
Manual Integrations
APPROVED

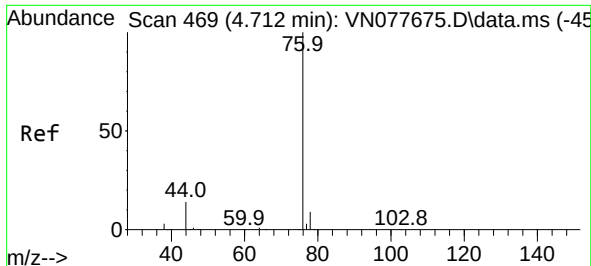
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#16
Acetone
Concen: 211.334 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Tgt Ion: 43 Resp: 432421
Ion Ratio Lower Upper
43 100
58 32.2 28.0 42.0





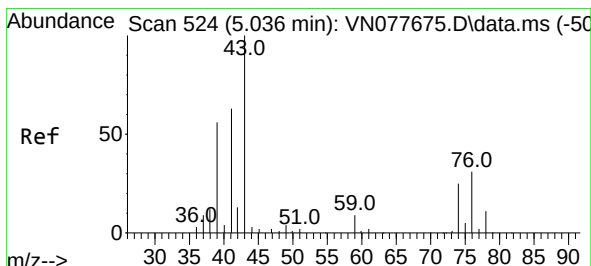
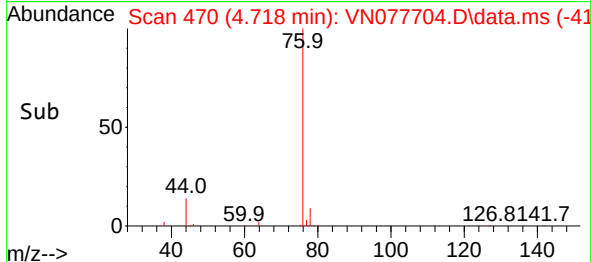
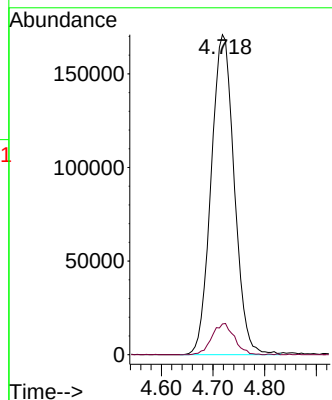
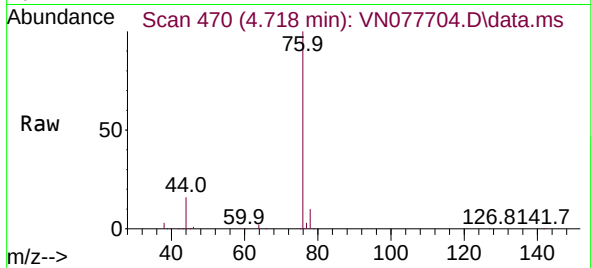
#17
Carbon Disulfide
Concen: 43.179 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 53188
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0

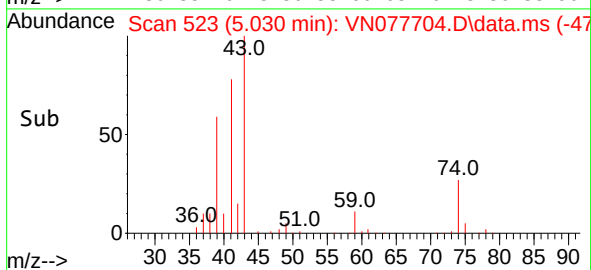
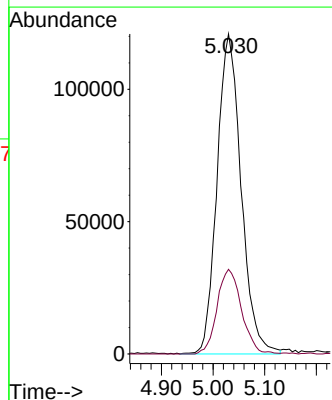
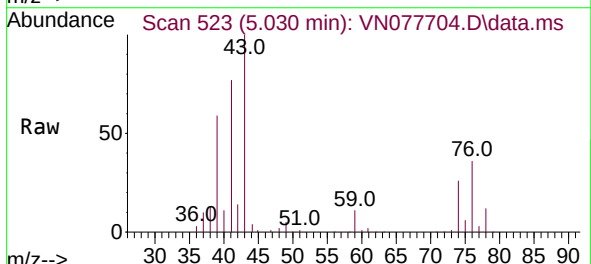
Manual Integrations
APPROVED

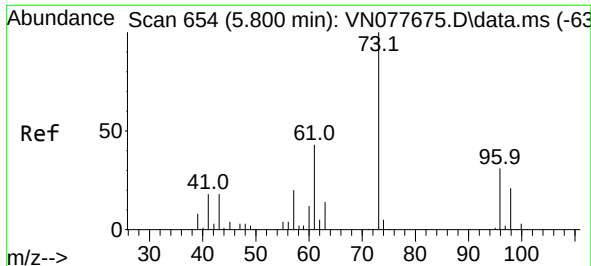
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#18
Methyl Acetate
Concen: 45.560 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.006 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Tgt Ion: 43 Resp: 391083
Ion Ratio Lower Upper
43 100
74 26.8 26.2 39.4





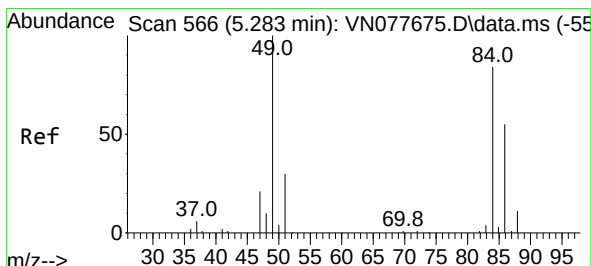
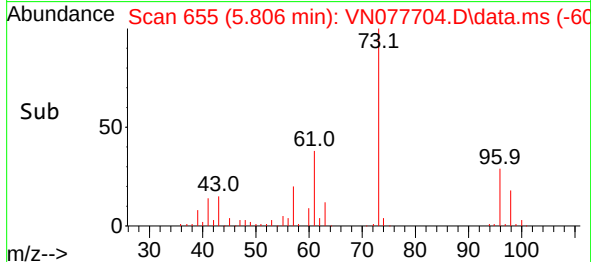
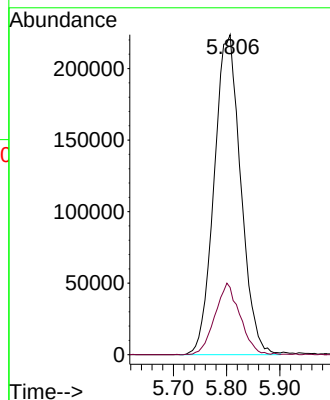
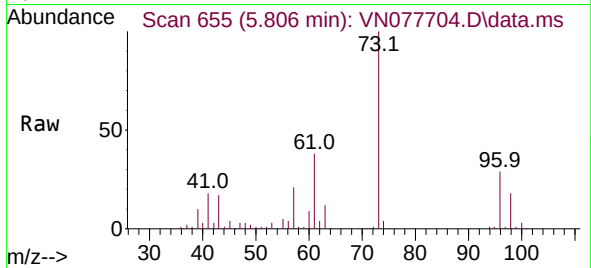
#19
Methyl tert-butyl Ether
Concen: 46.858 ug/l
RT: 5.806 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 77540
Ion Ratio Lower Upper
73 100
57 21.0 15.6 23.4

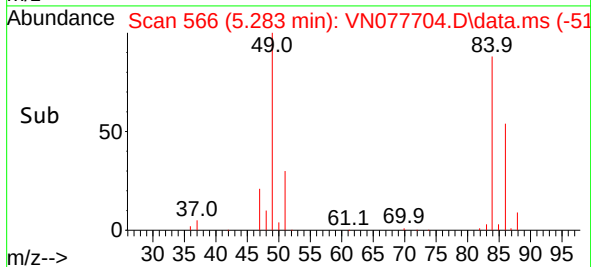
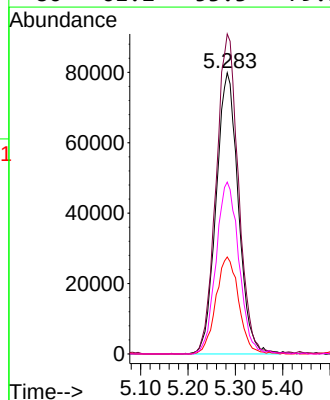
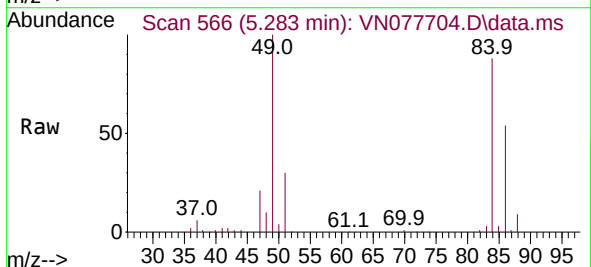
Manual Integrations
APPROVED

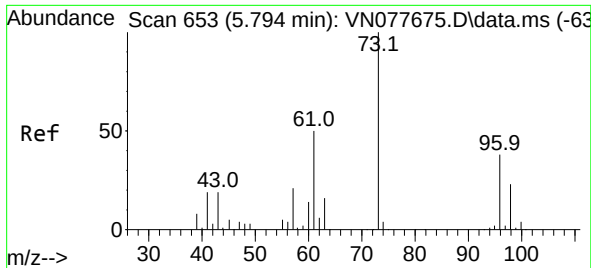
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#20
Methylene Chloride
Concen: 48.806 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

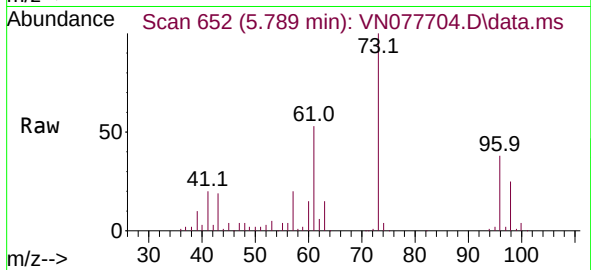
Tgt Ion: 84 Resp: 260178
Ion Ratio Lower Upper
84 100
49 113.8 79.7 119.5
51 34.5 25.2 37.8
86 61.2 53.3 79.9





#21
trans-1,2-Dichloroethene
Concen: 46.299 ug/l
RT: 5.789 min Scan# 61
Delta R.T. -0.005 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

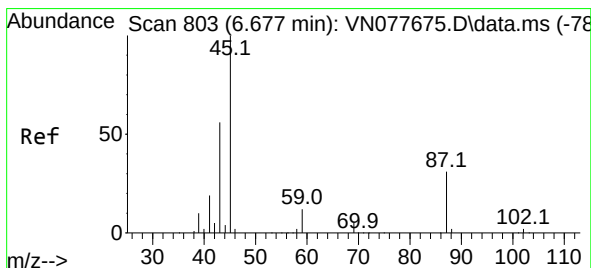
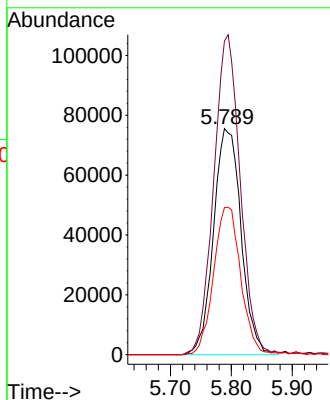
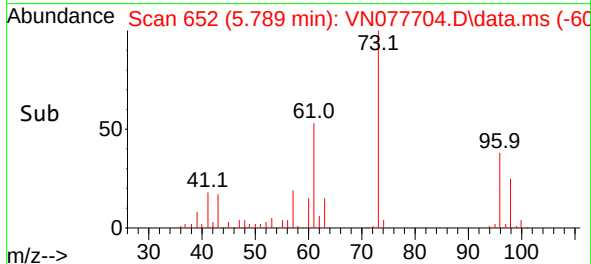
Instrument :
MSVOA_N
Client Sample Id :
VSTDCCC050



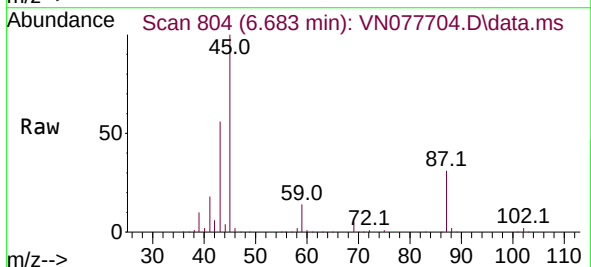
Tgt Ion: 96 Resp: 23776
Ion Ratio Lower Upper
96 100
61 138.7 90.1 135.1
98 65.0 46.4 69.6

Manual Integrations
APPROVED

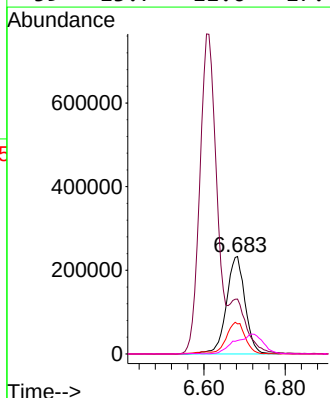
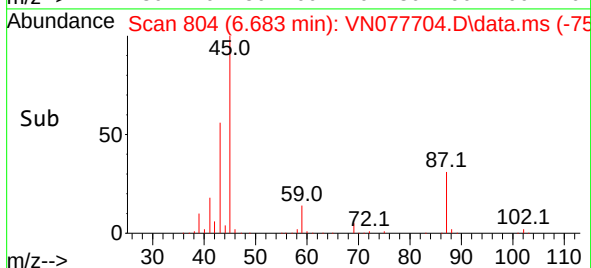
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023

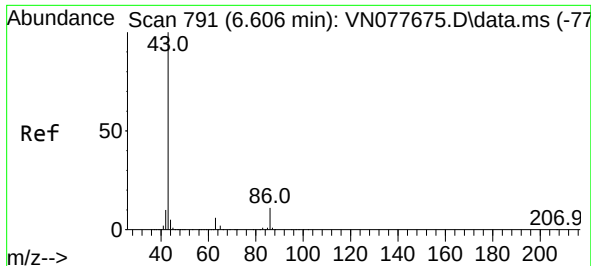


#22
Diisopropyl ether
Concen: 47.060 ug/l
RT: 6.683 min Scan# 804
Delta R.T. 0.006 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03



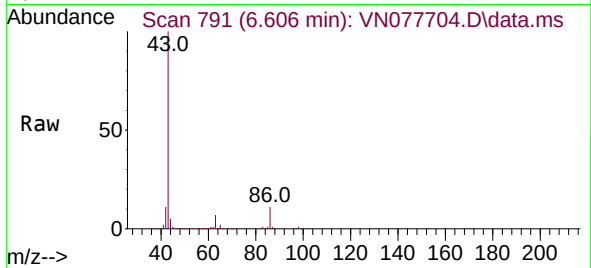
Tgt Ion: 45 Resp: 740817
Ion Ratio Lower Upper
45 100
43 56.3 45.5 68.3
87 31.0 31.8 47.8
59 13.7 11.6 17.4





#23
 Vinyl Acetate
 Concen: 228.102 ug/l
 RT: 6.606 min Scan# 791
 Delta R.T. 0.000 min
 Lab File: VN077704.D
 Acq: 17 May 2023 11:03

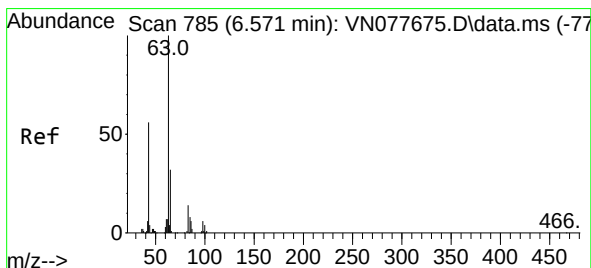
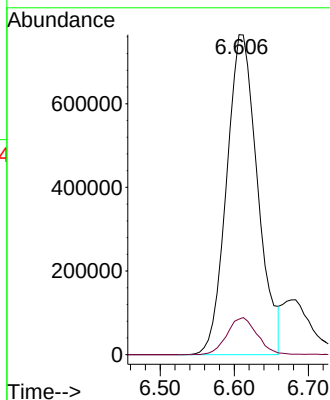
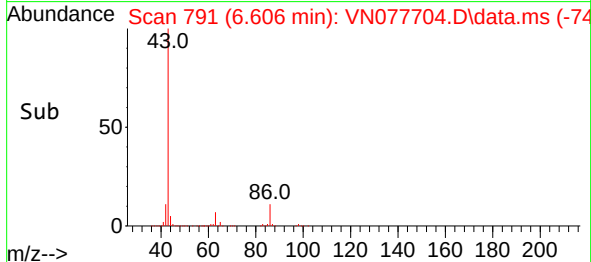
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050



Tgt Ion: 43 Resp: 2224770
 Ion Ratio Lower Upper
 43 100
 86 11.1 13.0 19.6

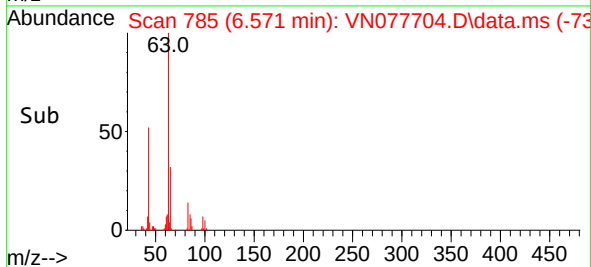
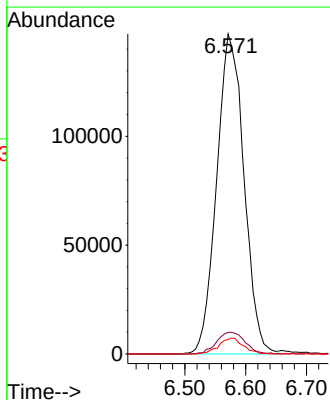
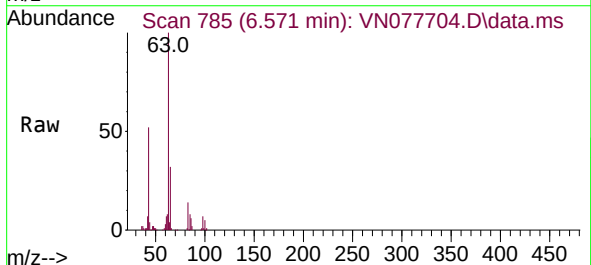
Manual Integrations
 APPROVED

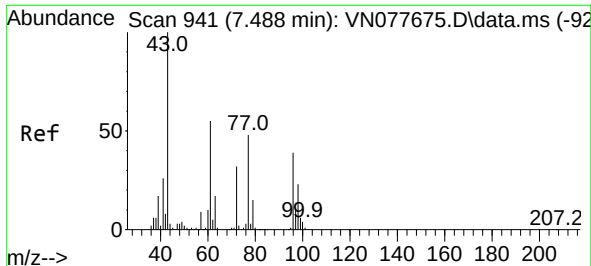
Reviewed By :John Carlone 05/18/2023
 Supervised By :Mahesh Dadoda 05/18/2023



#24
 1,1-Dichloroethane
 Concen: 47.421 ug/l
 RT: 6.571 min Scan# 785
 Delta R.T. -0.000 min
 Lab File: VN077704.D
 Acq: 17 May 2023 11:03

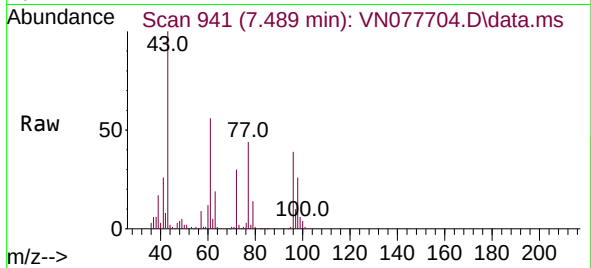
Tgt Ion: 63 Resp: 457336
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.9 11.7
 100 4.6 2.5 7.4





#25
2-Butanone
Concen: 221.857 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.001 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

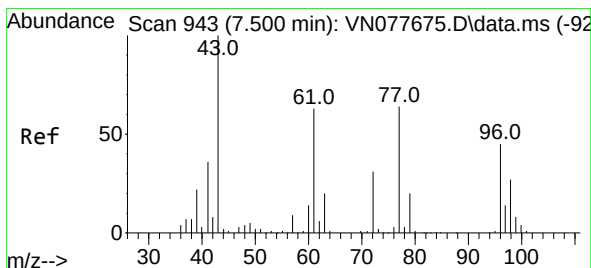
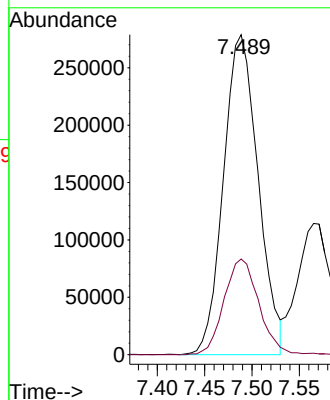
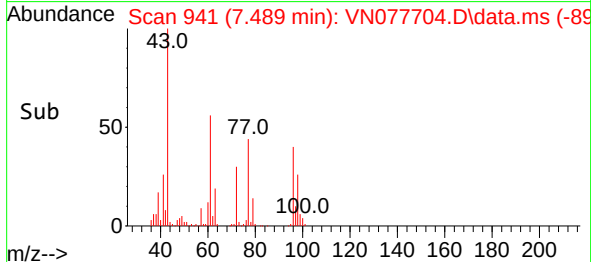
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 710119
Ion Ratio Lower Upper
43 100
72 29.9 30.2 45.2

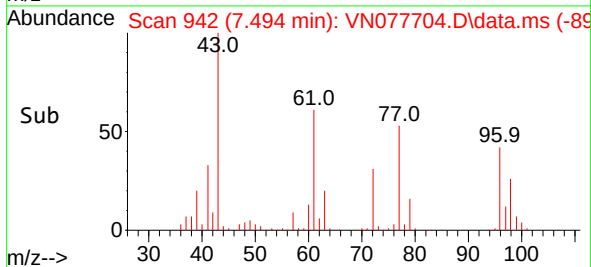
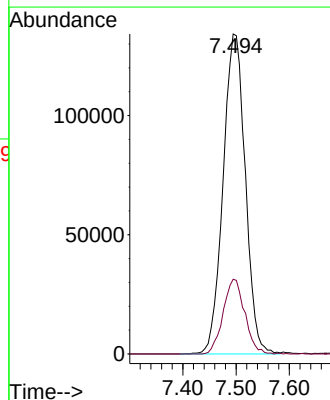
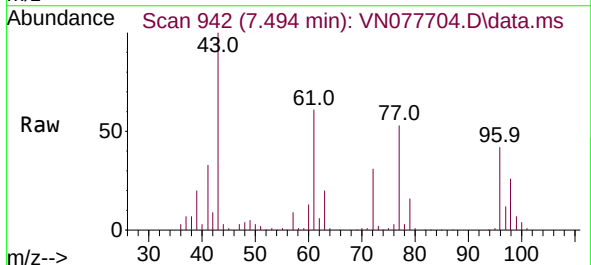
Manual Integrations
APPROVED

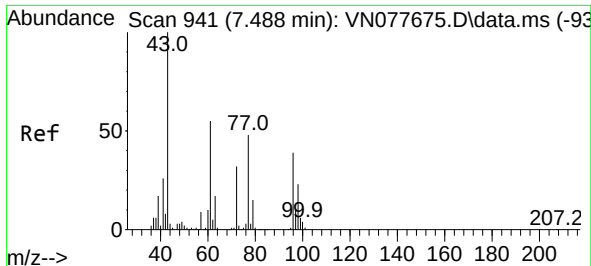
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#26
2,2-Dichloropropane
Concen: 47.458 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.006 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

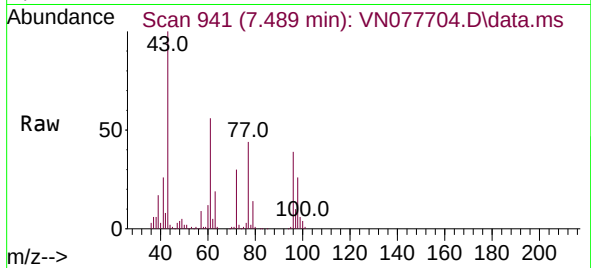
Tgt Ion: 77 Resp: 388846
Ion Ratio Lower Upper
77 100
97 22.7 11.2 33.6





#27
 cis-1,2-Dichloroethene
 Concen: 47.226 ug/l
 RT: 7.489 min Scan# 941
 Delta R.T. 0.001 min
 Lab File: VN077704.D
 Acq: 17 May 2023 11:03

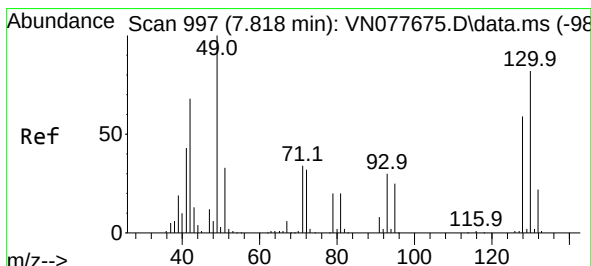
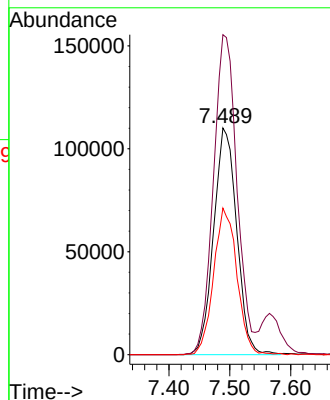
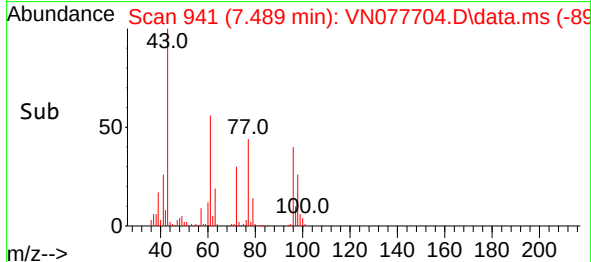
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050



Tgt Ion: 96 Resp: 290794
 Ion Ratio Lower Upper
 96 100
 61 143.8 0.0 255.2
 98 65.1 0.0 128.8

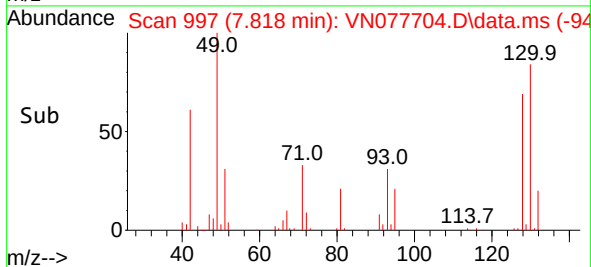
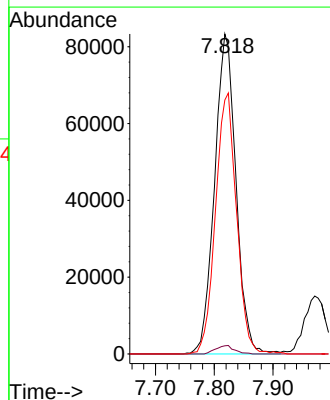
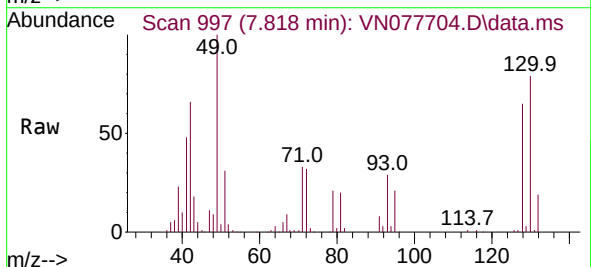
Manual Integrations
 APPROVED

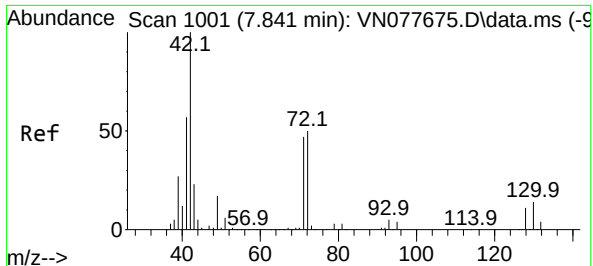
Reviewed By :John Carlone 05/18/2023
 Supervised By :Mahesh Dadoda 05/18/2023



#28
 Bromochloromethane
 Concen: 50.626 ug/l
 RT: 7.818 min Scan# 997
 Delta R.T. -0.000 min
 Lab File: VN077704.D
 Acq: 17 May 2023 11:03

Tgt Ion: 49 Resp: 211158
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.8
 130 80.3 75.3 112.9





#29

Tetrahydrofuran

Concen: 222.945 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.000 min

Lab File: VN077704.D

Acq: 17 May 2023 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 467260

Ion Ratio Lower Upper

42 100

72 49.4 49.8 74.6

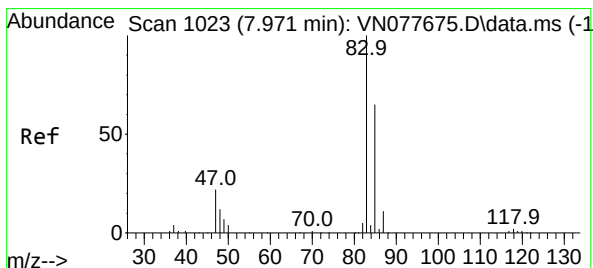
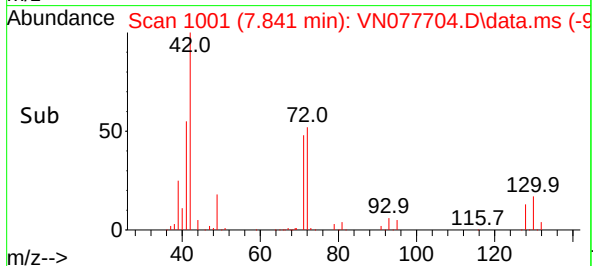
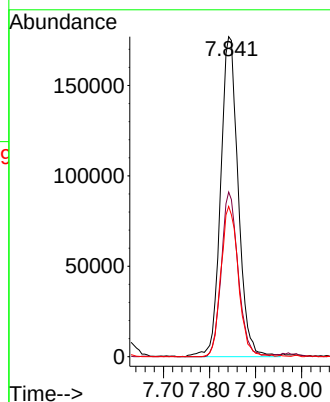
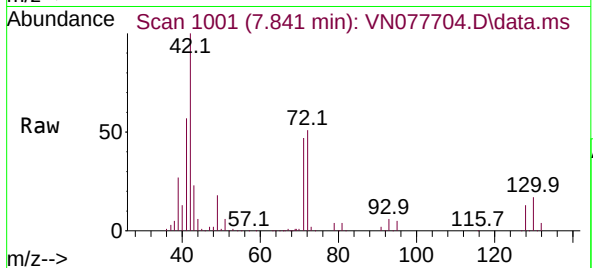
71 46.7 47.4 71.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#30

Chloroform

Concen: 47.536 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. -0.000 min

Lab File: VN077704.D

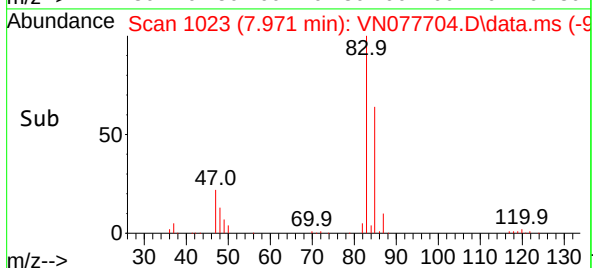
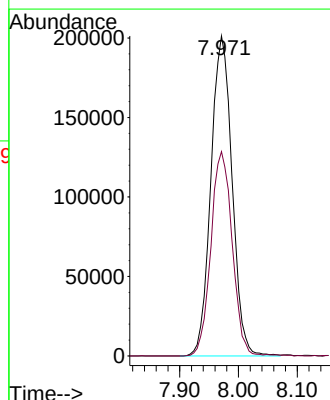
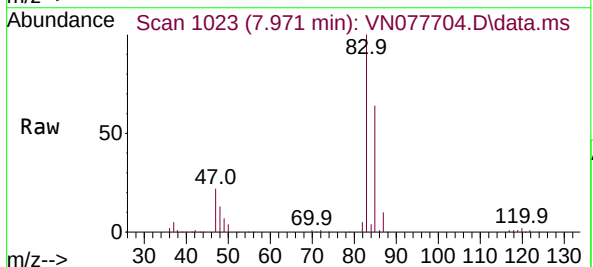
Acq: 17 May 2023 11:03

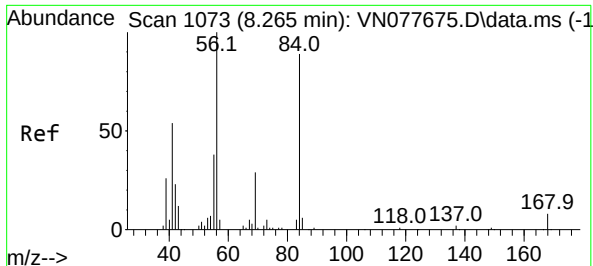
Tgt Ion: 83 Resp: 504313

Ion Ratio Lower Upper

83 100

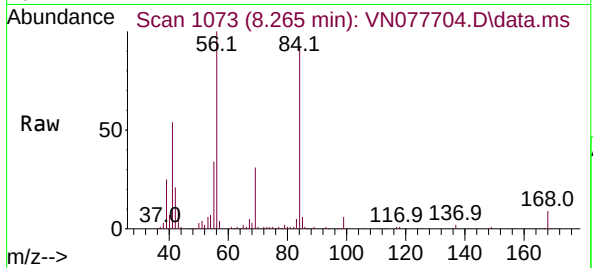
85 63.9 55.4 83.0





#31
Cyclohexane
Concen: 43.745 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. -0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

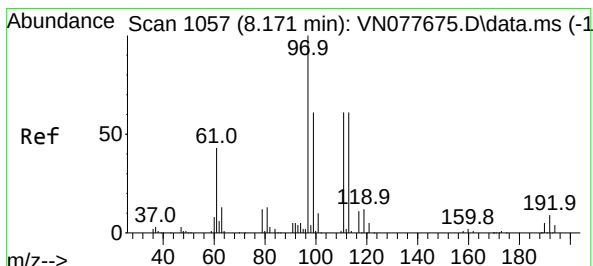
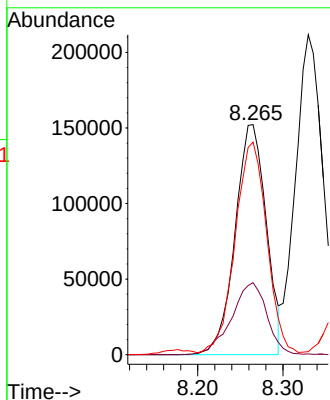
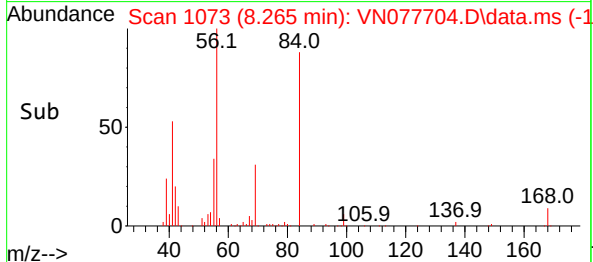
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



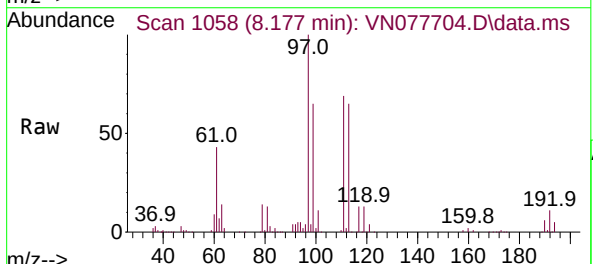
Tgt Ion: 56 Resp: 386679
Ion Ratio Lower Upper
56 100
69 31.3 26.8 40.2
84 90.1 81.8 122.6

Manual Integrations
APPROVED

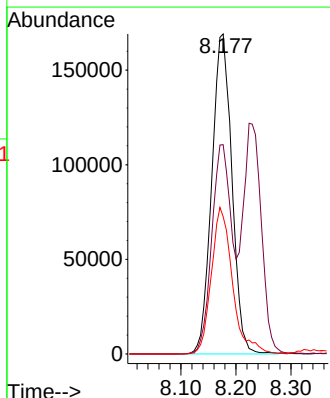
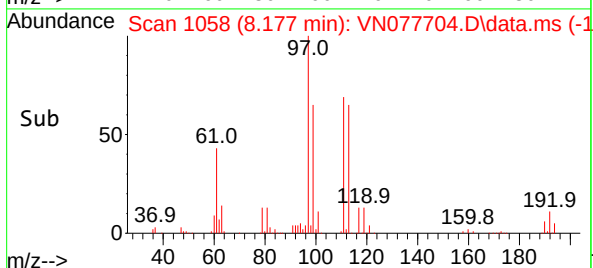
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023

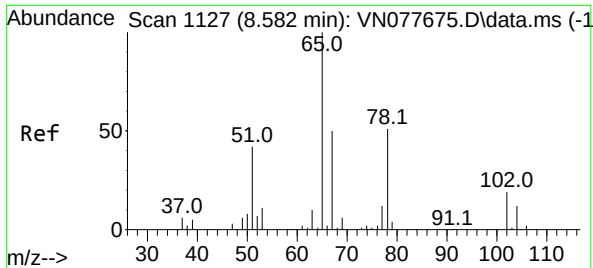


#32
1,1,1-Trichloroethane
Concen: 47.651 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03



Tgt Ion: 97 Resp: 429801
Ion Ratio Lower Upper
97 100
99 64.3 50.3 75.5
61 48.2 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 52.033 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN077704.D

Acq: 17 May 2023 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 33840

Ion Ratio Lower Upper

65 100

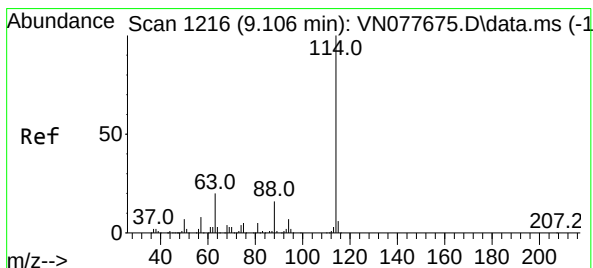
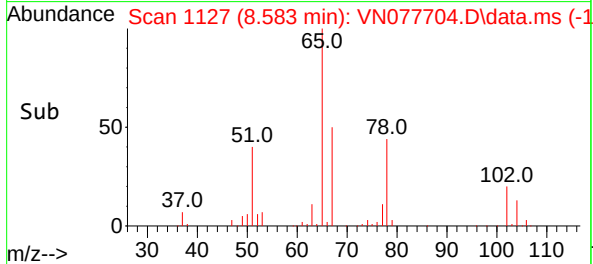
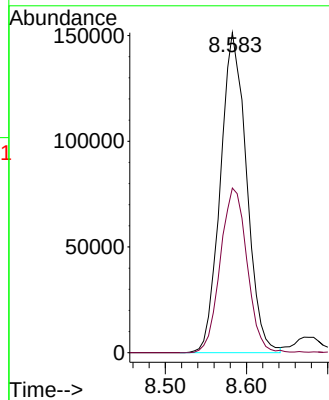
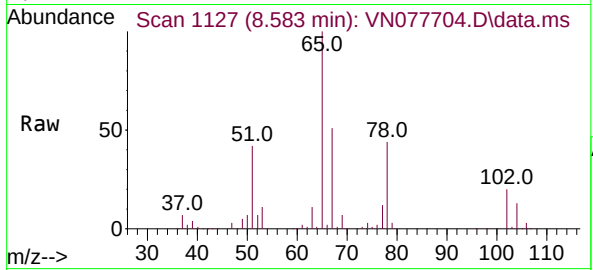
67 52.6 0.0 106.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN077704.D

Acq: 17 May 2023 11:03

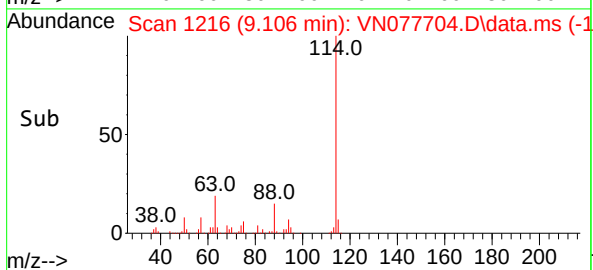
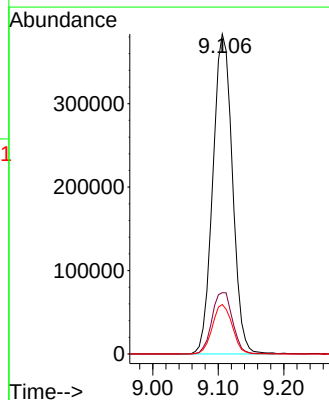
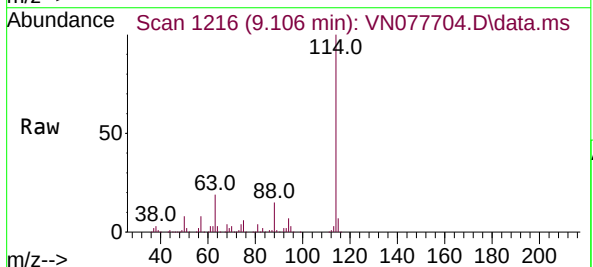
Tgt Ion:114 Resp: 794714

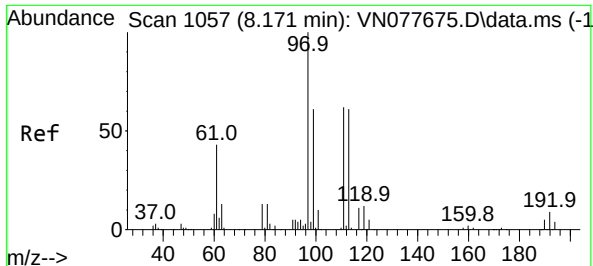
Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.4

88 15.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.532 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN077704.D

Acq: 17 May 2023 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 277414

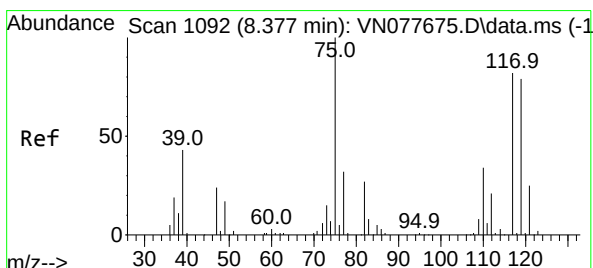
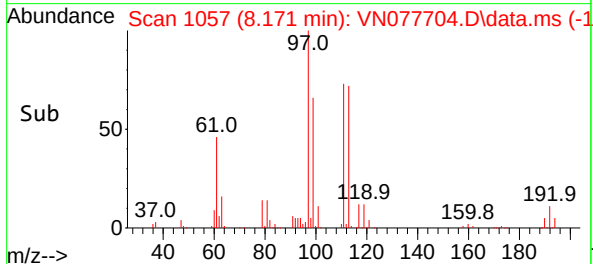
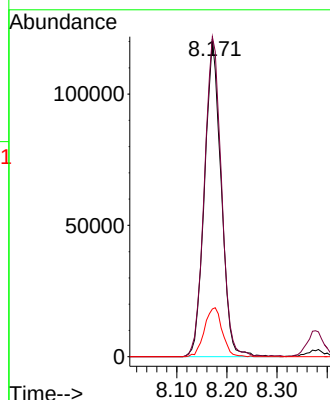
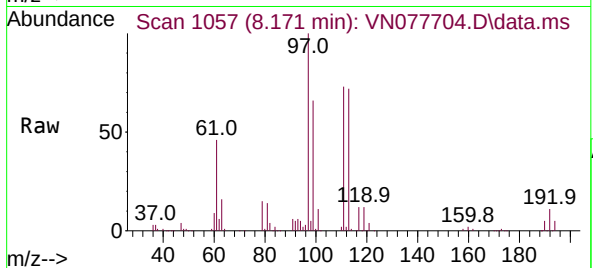
Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.6	123.8
192	16.6	12.7	19.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#36

1,1-Dichloropropene

Concen: 47.808 ug/l

RT: 8.377 min Scan# 1092

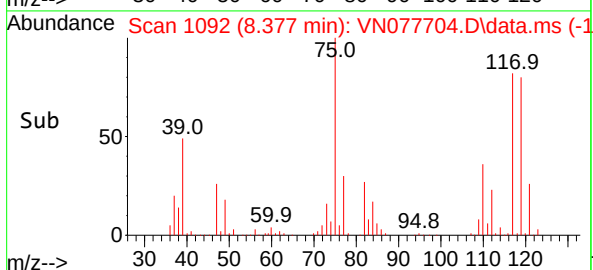
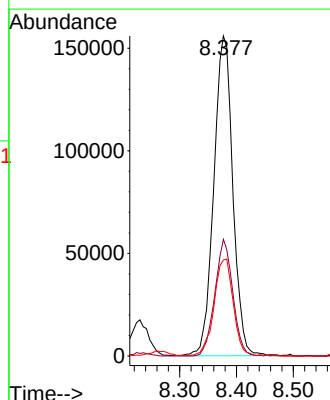
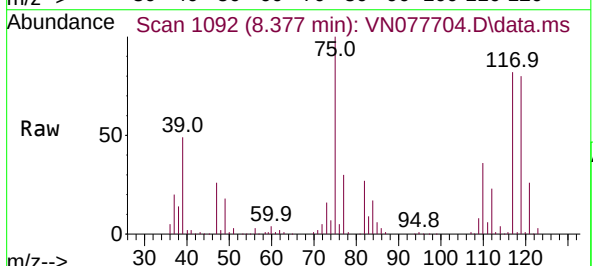
Delta R.T. -0.000 min

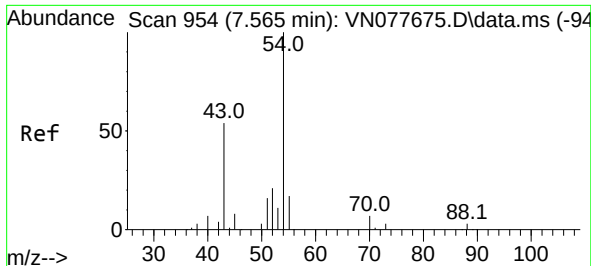
Lab File: VN077704.D

Acq: 17 May 2023 11:03

Tgt Ion: 75 Resp: 362376

Ion	Ratio	Lower	Upper
75	100		
110	34.3	19.1	57.3
77	30.8	25.0	37.4





#37

Ethyl Acetate

Concen: 44.576 ug/l

RT: 7.565 min Scan# 911

Delta R.T. 0.000 min

Lab File: VN077704.D

Acq: 17 May 2023 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

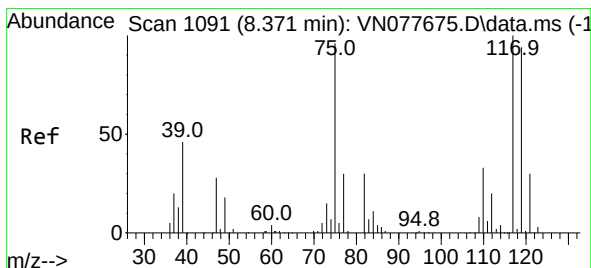
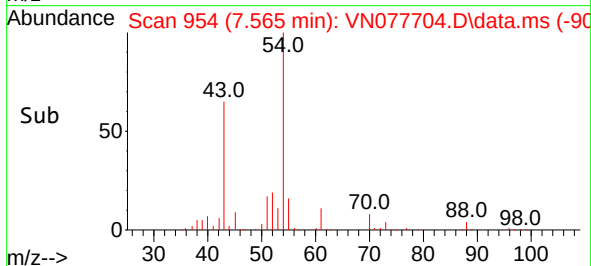
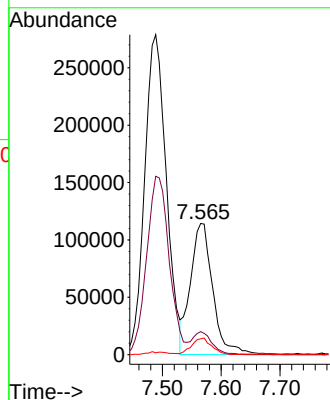
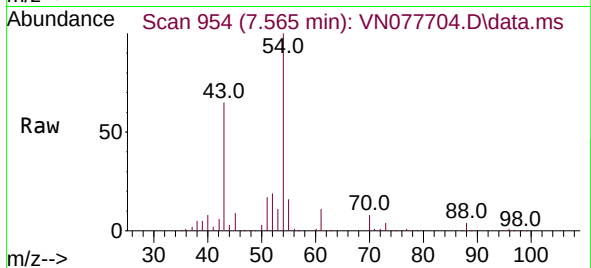
Tgt Ion:	43	Resp:	30115
Ion Ratio	Lower	Upper	
43	100		
61	15.9	13.2	19.8
70	11.4	11.3	16.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#38

Carbon Tetrachloride

Concen: 49.066 ug/l

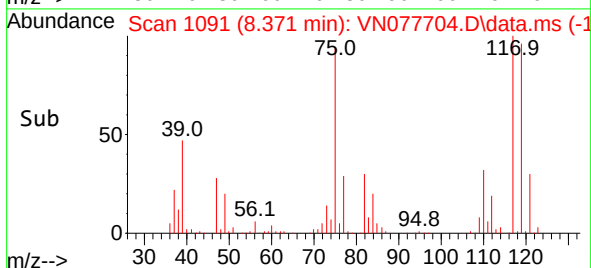
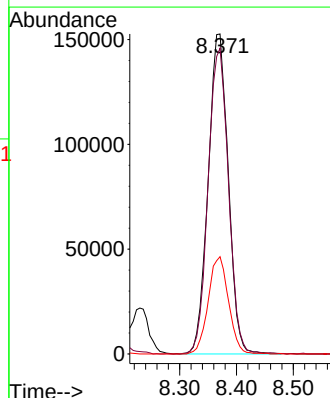
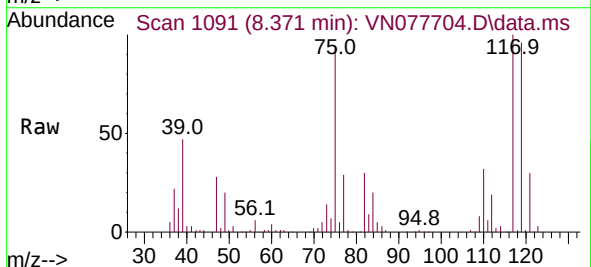
RT: 8.371 min Scan# 1091

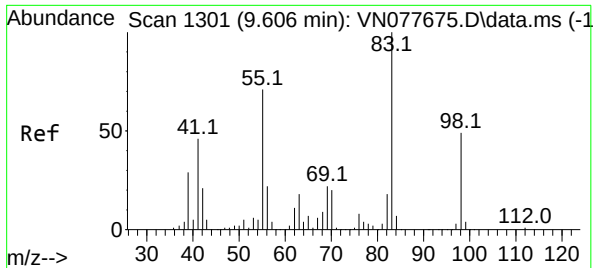
Delta R.T. -0.000 min

Lab File: VN077704.D

Acq: 17 May 2023 11:03

Tgt Ion:	117	Resp:	375554
Ion Ratio	Lower	Upper	
117	100		
119	95.6	77.3	115.9
121	30.4	23.3	34.9





#39

Methylcyclohexane

Concen: 48.600 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN077704.D

Acq: 17 May 2023 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 45099

Ion Ratio Lower Upper

83 100

55 70.9 49.1 73.7

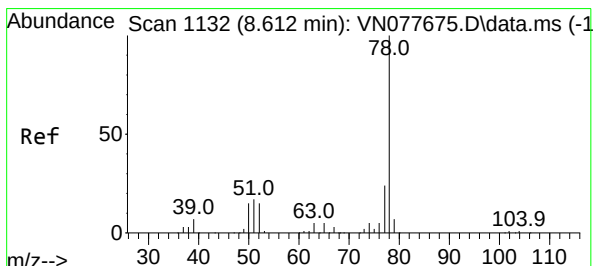
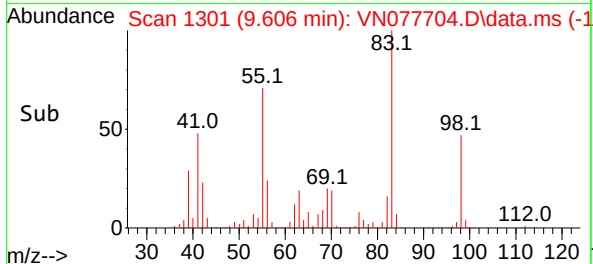
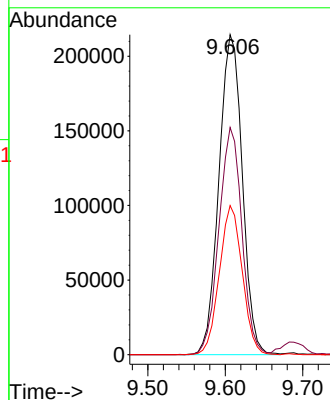
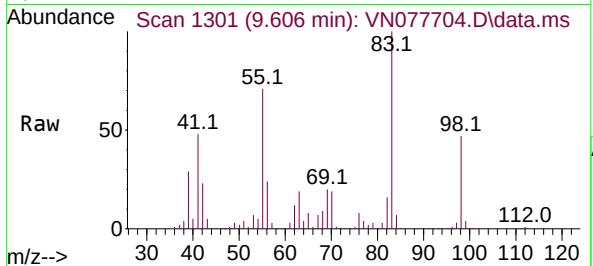
98 46.6 40.6 61.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#40

Benzene

Concen: 48.067 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN077704.D

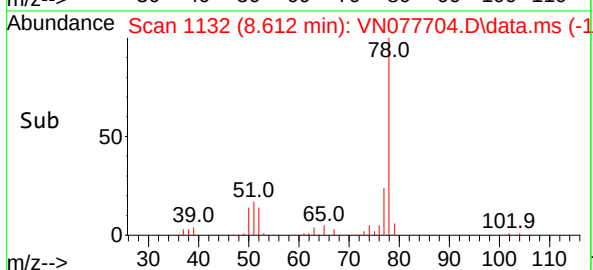
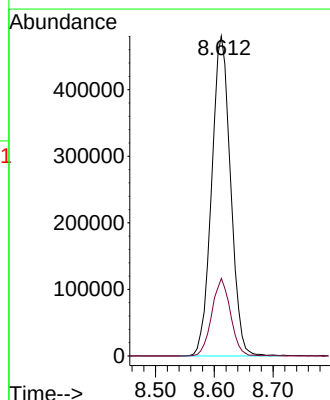
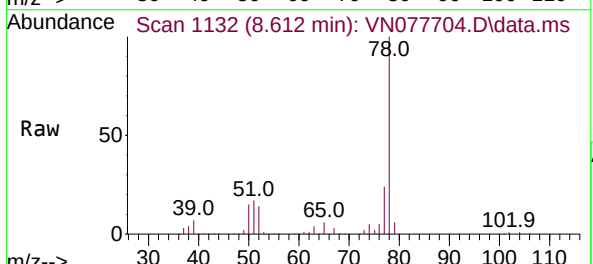
Acq: 17 May 2023 11:03

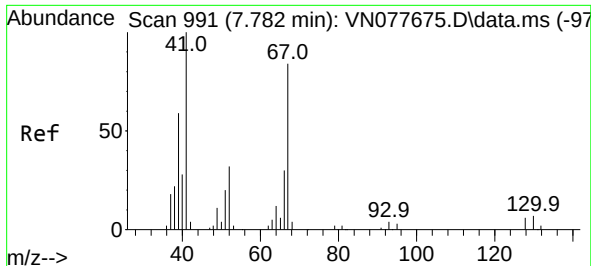
Tgt Ion: 78 Resp: 1075153

Ion Ratio Lower Upper

78 100

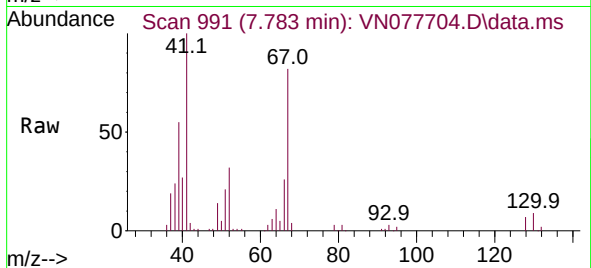
77 24.2 19.0 28.6





#41
Methacrylonitrile
Concen: 45.496 ug/l
RT: 7.783 min Scan# 991
Delta R.T. 0.001 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

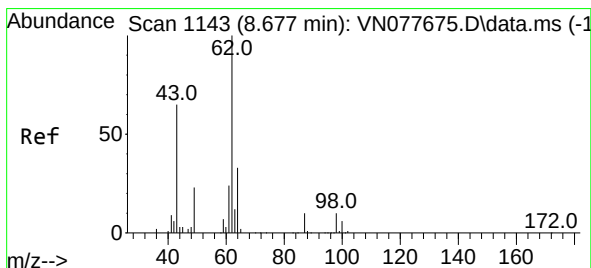
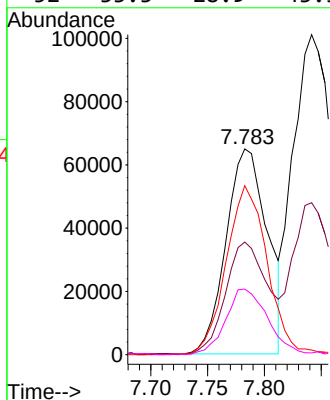
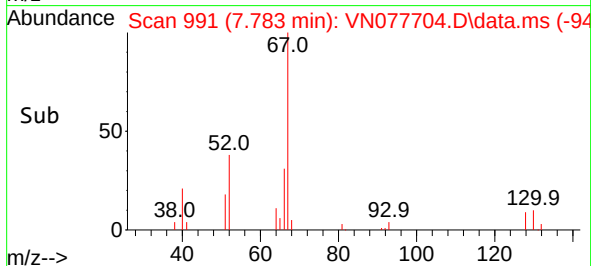
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:	41	Resp:	16369
Ion Ratio	100	Lower	Upper
41	100		
39	56.0	42.6	64.0
67	82.7	77.5	116.3
52	33.3	28.9	43.3

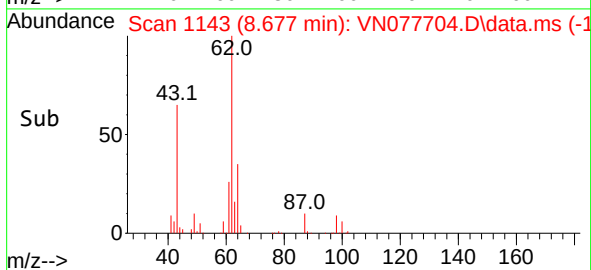
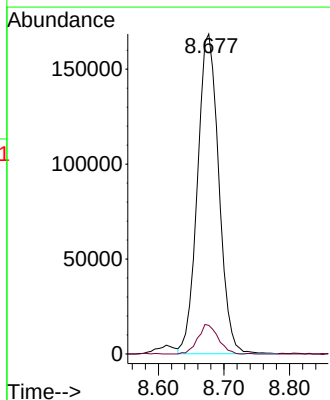
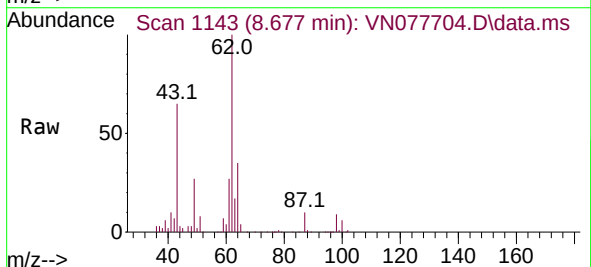
Manual Integrations
APPROVED

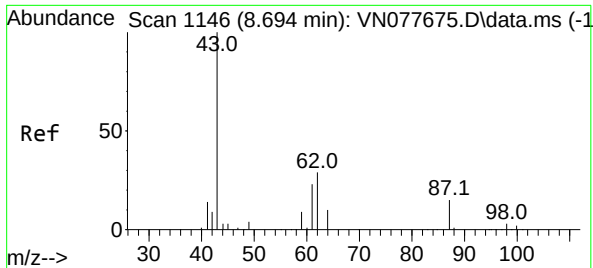
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#42
1,2-Dichloroethane
Concen: 46.959 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Tgt Ion:	62	Resp:	381556
Ion Ratio	100	Lower	Upper
62	100		
98	8.7	0.0	19.8





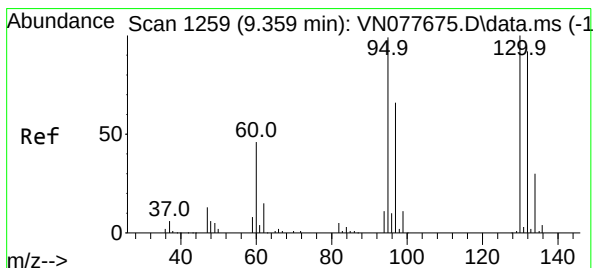
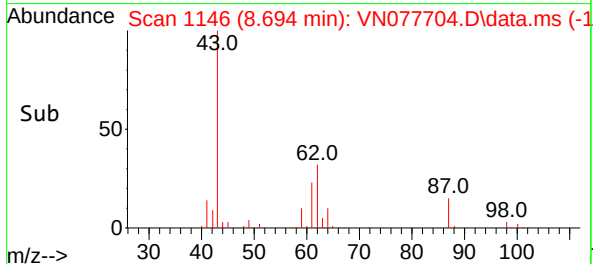
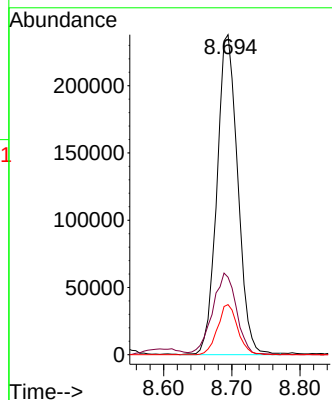
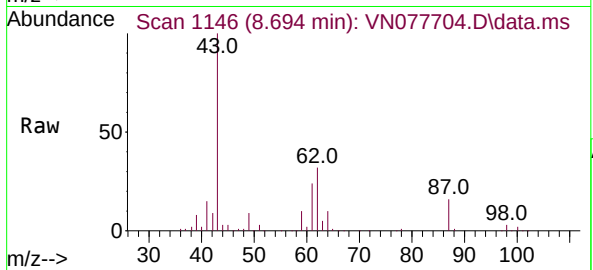
#43
Isopropyl Acetate
Concen: 45.916 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 506688
Ion Ratio Lower Upper
43 100
61 29.3 24.7 37.1
87 15.1 14.6 21.8

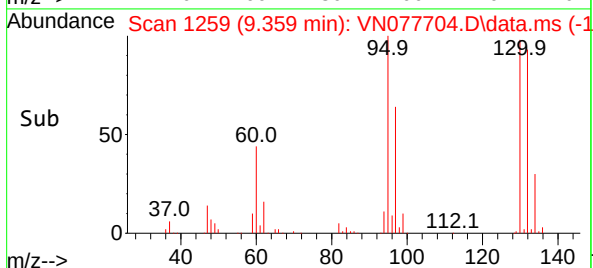
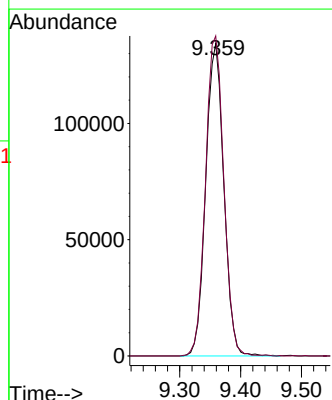
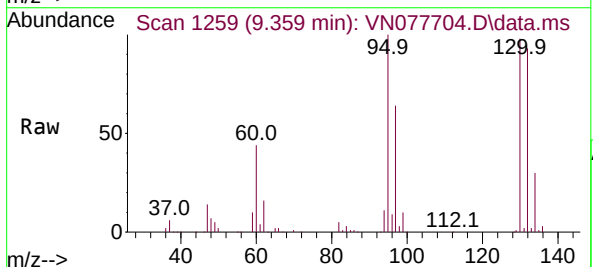
Manual Integrations
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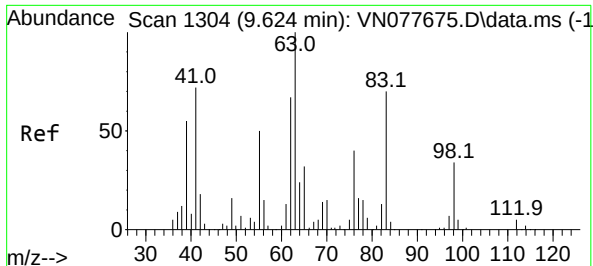
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#44
Trichloroethene
Concen: 48.769 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Tgt Ion:130 Resp: 276216
Ion Ratio Lower Upper
130 100
95 102.5 0.0 204.6





#45

1,2-Dichloropropane

Concen: 48.757 ug/l

RT: 9.624 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077704.D

Acq: 17 May 2023 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 27817

Ion Ratio Lower Upper

63 100

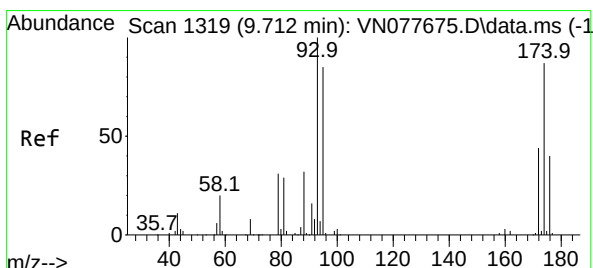
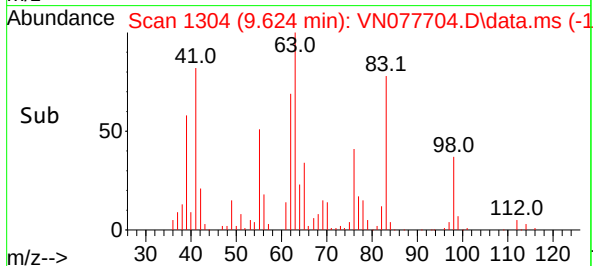
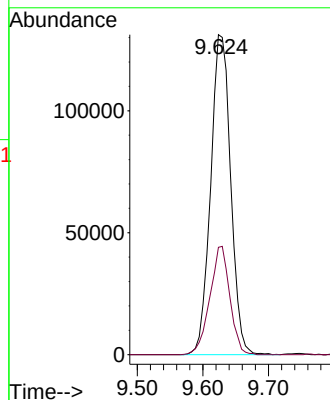
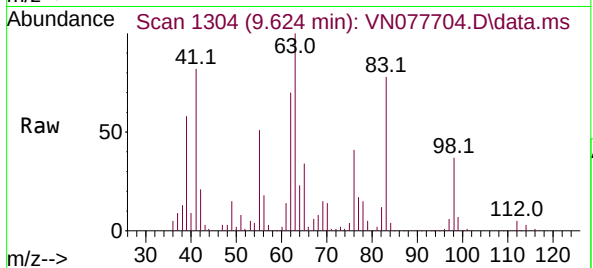
65 33.6 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#46

Dibromomethane

Concen: 47.107 ug/l

RT: 9.718 min Scan# 1320

Delta R.T. 0.006 min

Lab File: VN077704.D

Acq: 17 May 2023 11:03

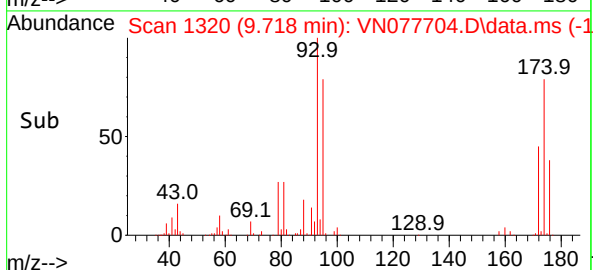
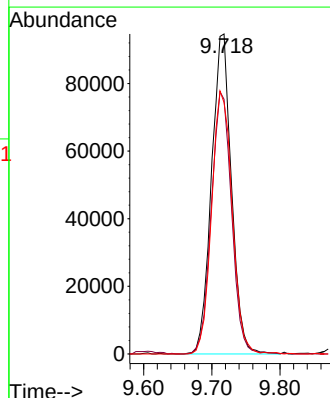
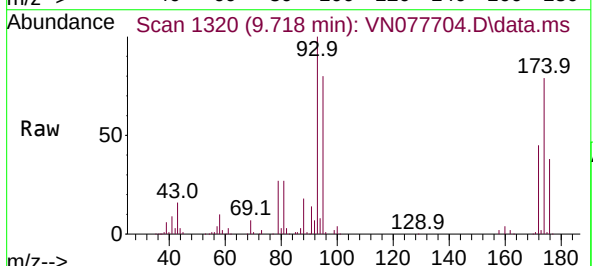
Tgt Ion: 93 Resp: 192321

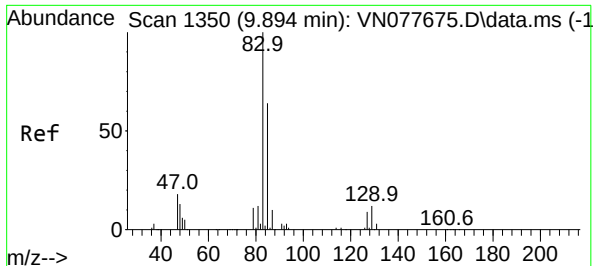
Ion Ratio Lower Upper

93 100

95 83.4 63.8 95.8

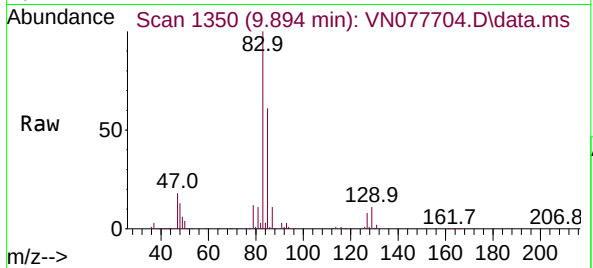
174 84.9 65.6 98.4





#47
Bromodichloromethane
Concen: 49.755 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

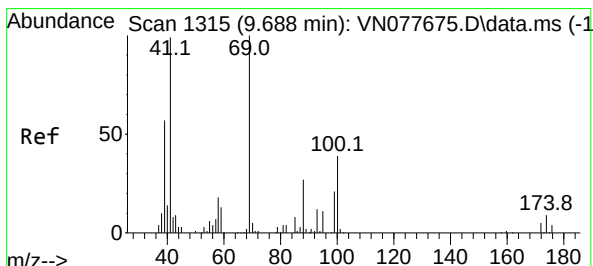
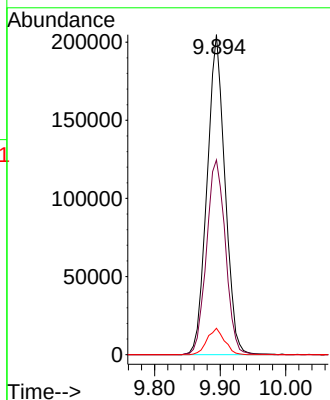
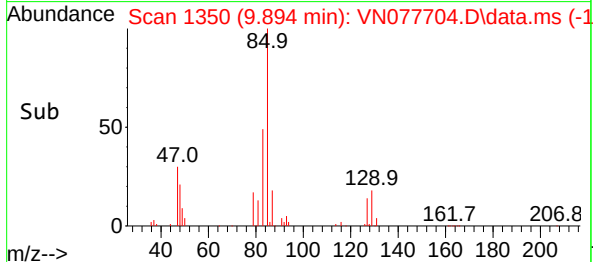
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



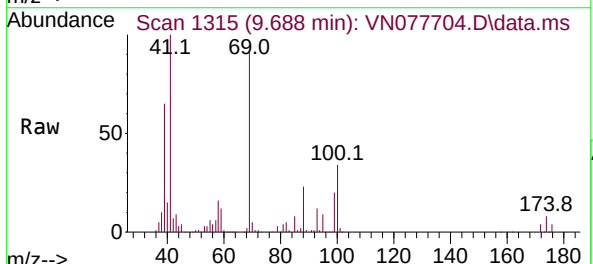
Tgt Ion: 83 Resp: 388890
Ion Ratio Lower Upper
83 100
85 60.8 49.6 74.4
127 8.3 7.0 10.6

Manual Integrations
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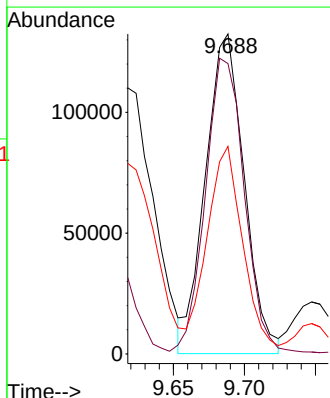
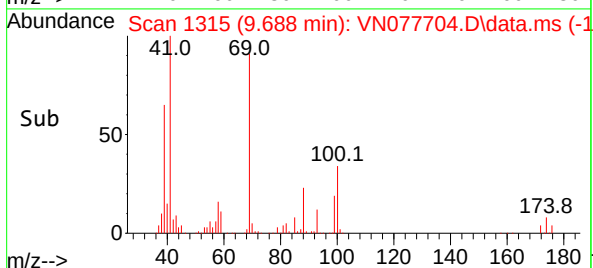
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023

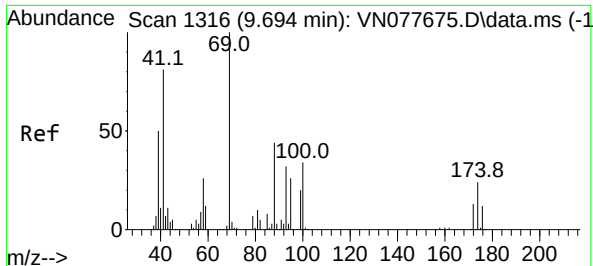


#48
Methyl methacrylate
Concen: 47.997 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03



Tgt Ion: 41 Resp: 251122
Ion Ratio Lower Upper
41 100
69 93.9 90.4 135.6
39 60.2 54.6 81.8





#49

1,4-Dioxane

Concen: 908.324 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN077704.D

Acq: 17 May 2023 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

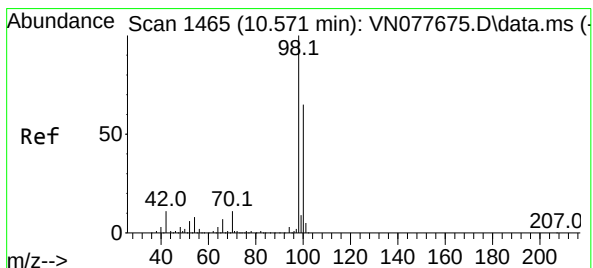
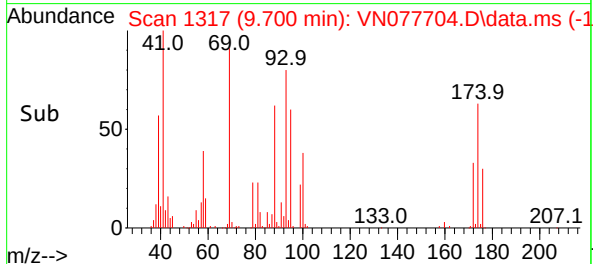
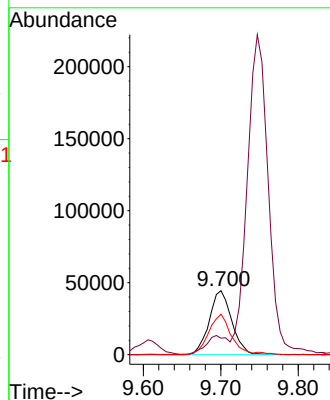
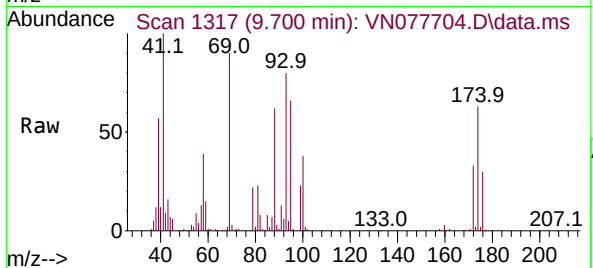
Tgt Ion: 88	Resp: 8975
Ion Ratio	Lower Upper
88 100	
43 28.5	17.0 25.6
58 64.3	47.0 70.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#50

Toluene-d8

Concen: 53.232 ug/l

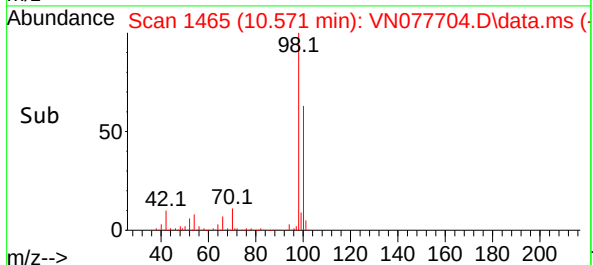
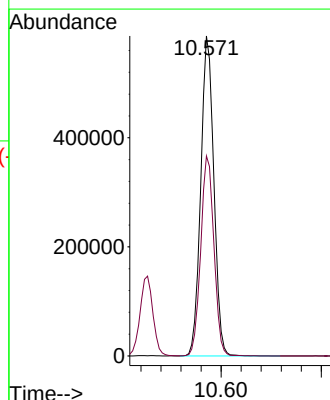
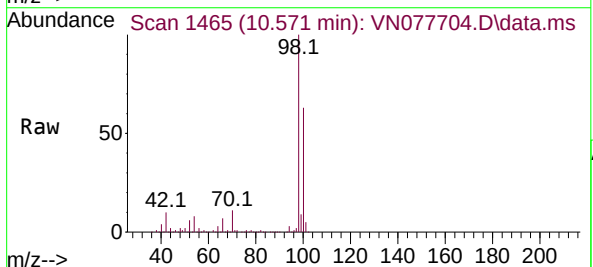
RT: 10.571 min Scan# 1465

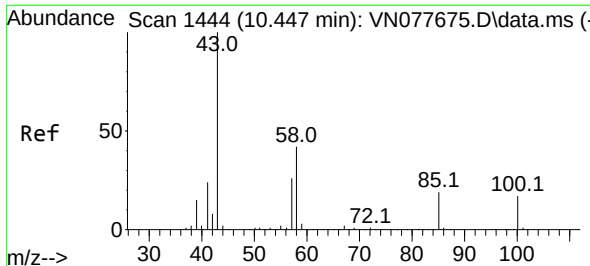
Delta R.T. -0.000 min

Lab File: VN077704.D

Acq: 17 May 2023 11:03

Tgt Ion: 98	Resp: 1061815
Ion Ratio	Lower Upper
98 100	
100 63.0	52.0 78.0





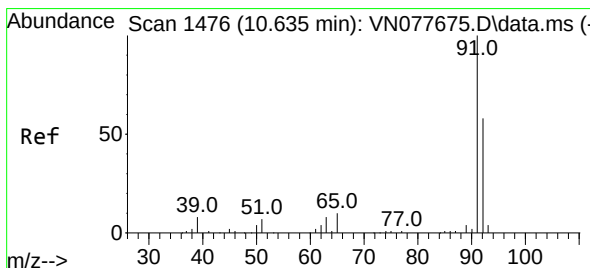
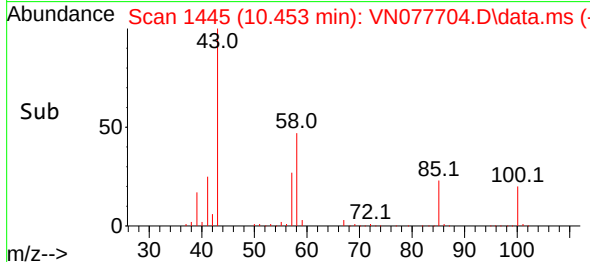
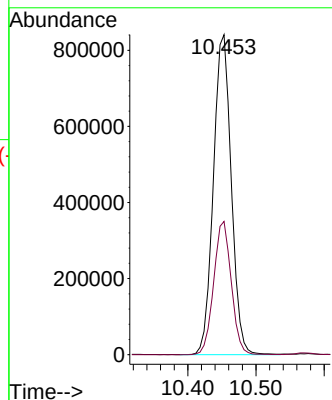
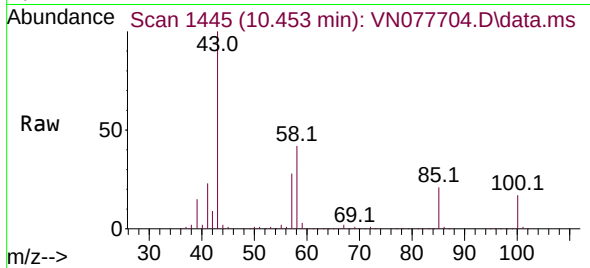
#51
4-Methyl-2-Pentanone
Concen: 234.036 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 153514
Ion Ratio Lower Upper
43 100
58 41.0 36.6 54.8

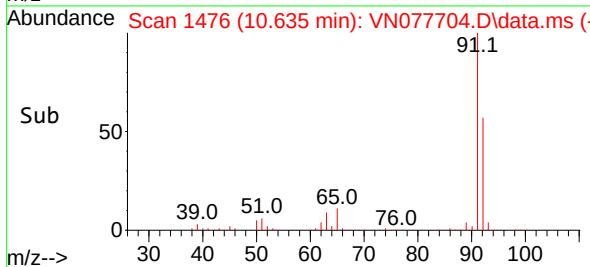
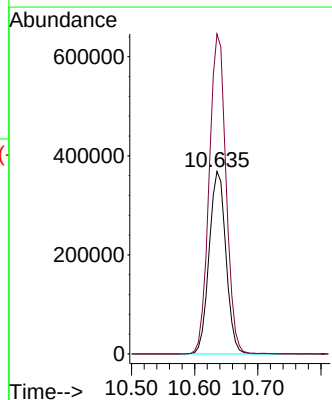
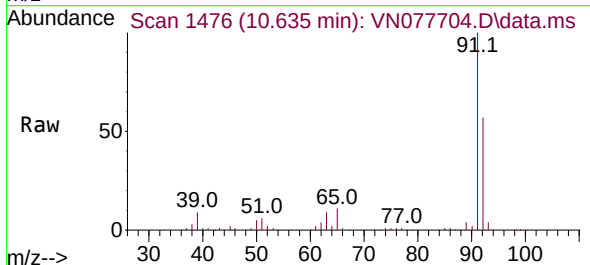
Manual Integrations
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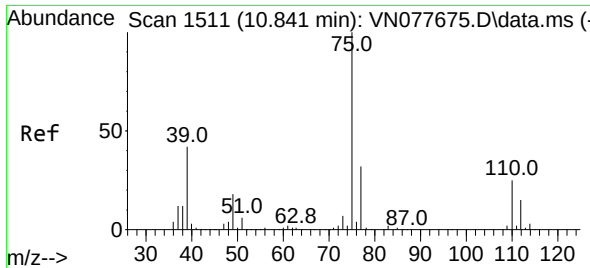
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#52
Toluene
Concen: 48.857 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Tgt Ion: 92 Resp: 680343
Ion Ratio Lower Upper
92 100
91 176.4 137.4 206.0





#53
t-1,3-Dichloropropene
Concen: 49.493 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Instrument :

MSVOA_N

ClientSampleId :

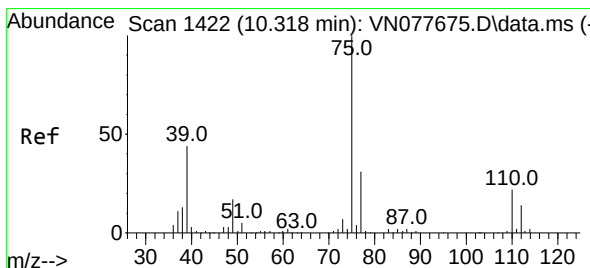
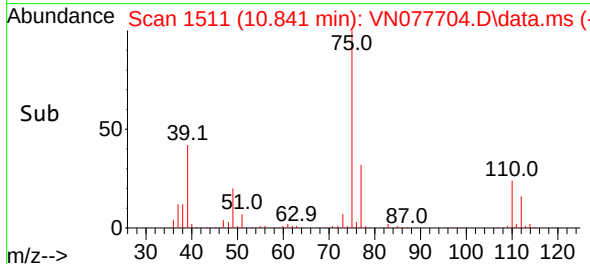
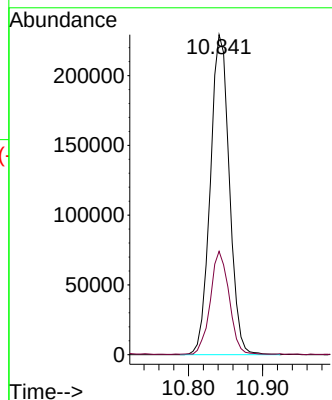
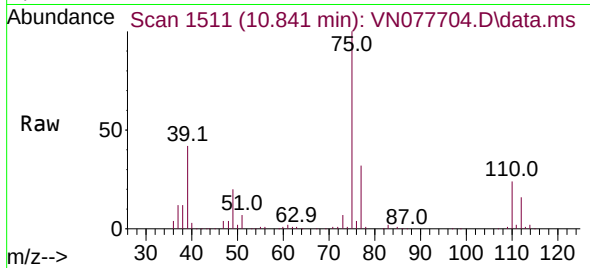
VSTDCCC050

Tgt Ion: 75 Resp: 40965
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.0

Manual Integrations

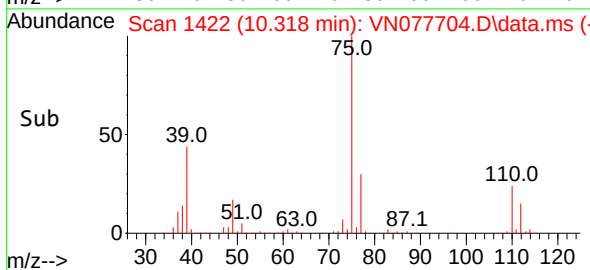
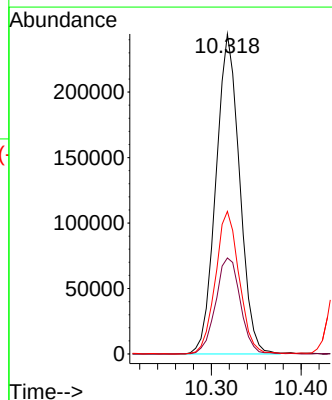
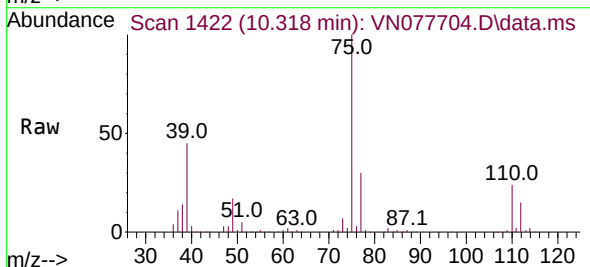
APPROVED

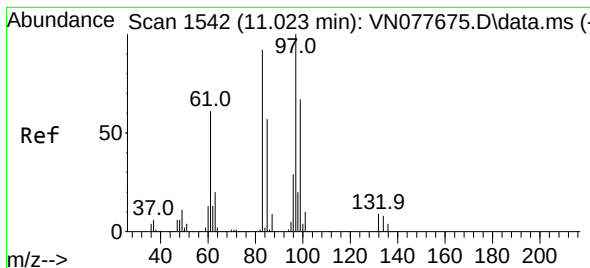
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#54
cis-1,3-Dichloropropene
Concen: 49.015 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

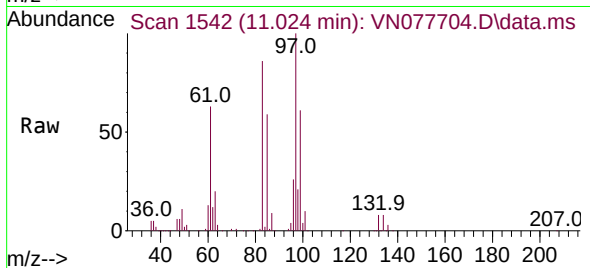
Tgt Ion: 75 Resp: 447081
Ion Ratio Lower Upper
75 100
77 29.9 26.1 39.1
39 44.5 31.6 47.4





#55
1,1,2-Trichloroethane
Concen: 48.170 ug/l
RT: 11.024 min Scan# 1542
Delta R.T. 0.001 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

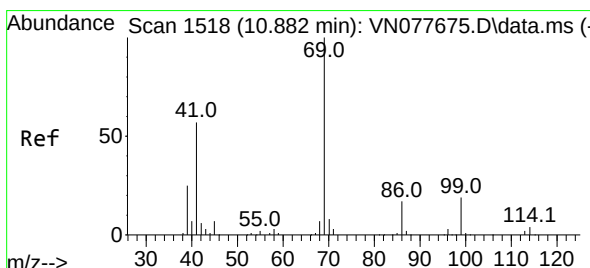
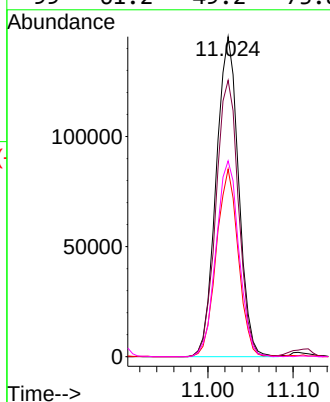
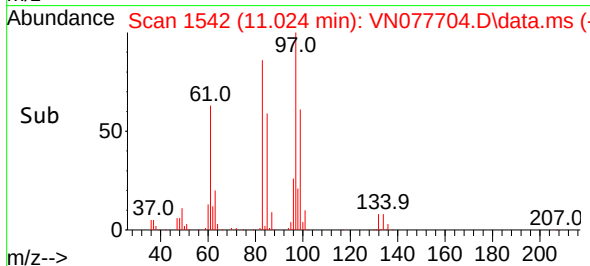
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



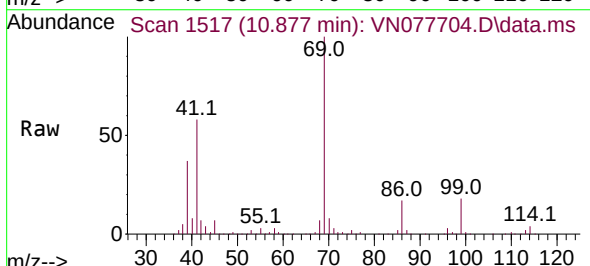
Tgt Ion:	97	Resp:	26633
Ion Ratio	100	Lower	Upper
97	100		
83	86.4	65.1	97.7
85	58.6	43.4	65.2
99	61.2	49.2	73.8

Manual Integrations
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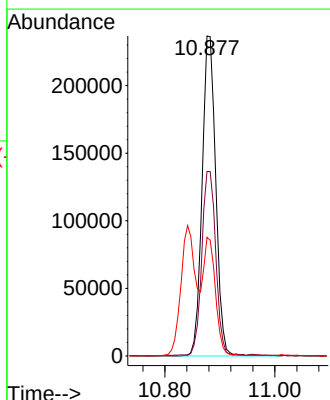
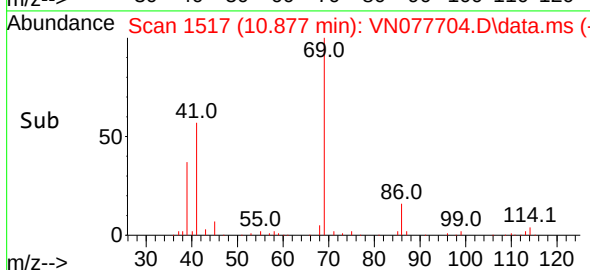
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023

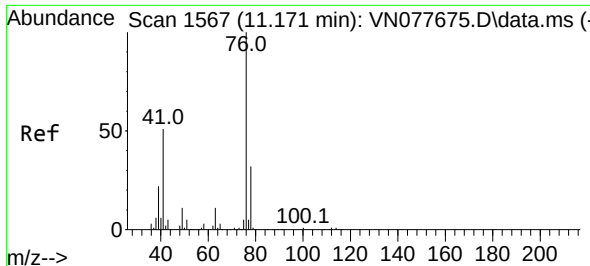


#56
Ethyl methacrylate
Concen: 48.735 ug/l
RT: 10.877 min Scan# 1517
Delta R.T. -0.005 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03



Tgt Ion:	69	Resp:	407423
Ion Ratio	100	Lower	Upper
69	100		
41	58.9	39.6	59.4
39	31.8	28.6	43.0





#57

1,3-Dichloropropane

Concen: 48.280 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VN077704.D

Acq: 17 May 2023 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 457632

Ion Ratio Lower Upper

76 100

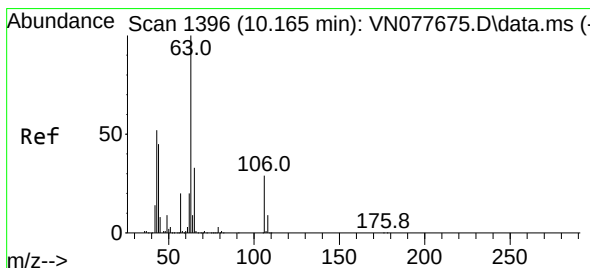
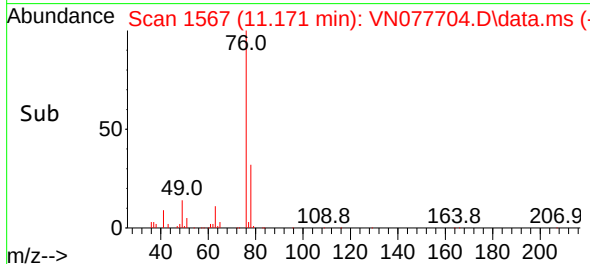
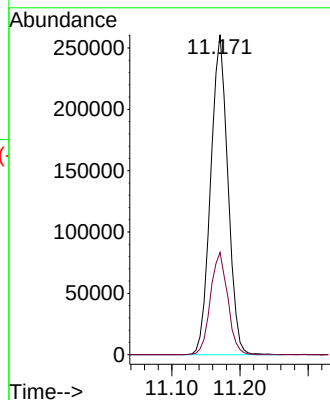
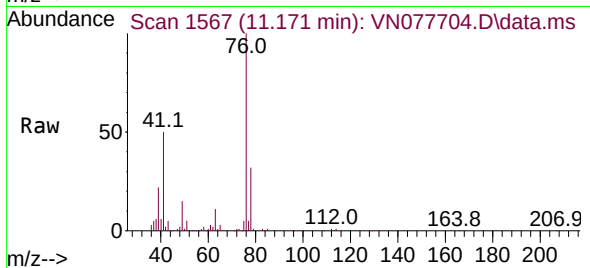
78 32.0 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#58

2-Chloroethyl Vinyl ether

Concen: 254.027 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. -0.000 min

Lab File: VN077704.D

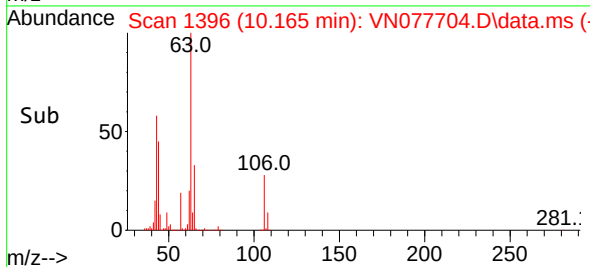
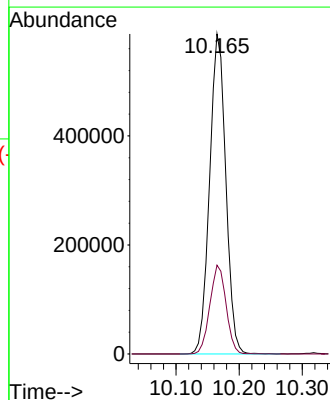
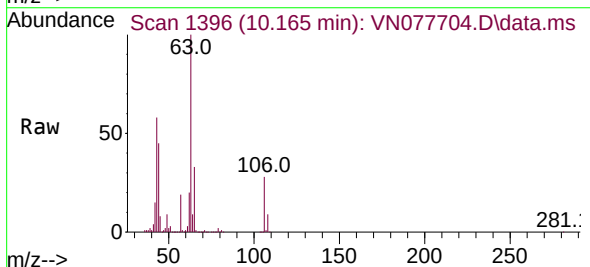
Acq: 17 May 2023 11:03

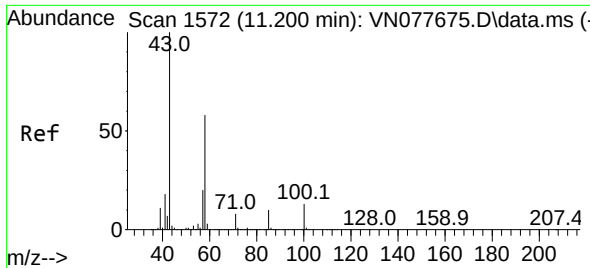
Tgt Ion: 63 Resp: 1044758

Ion Ratio Lower Upper

63 100

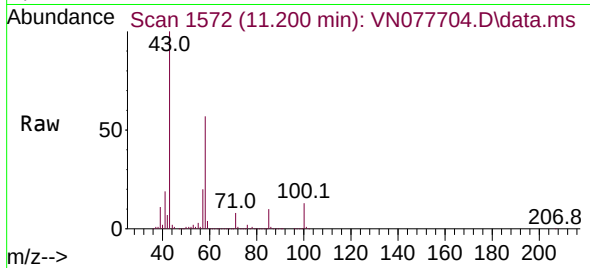
106 27.7 26.2 39.4





#59
2-Hexanone
Concen: 226.441 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

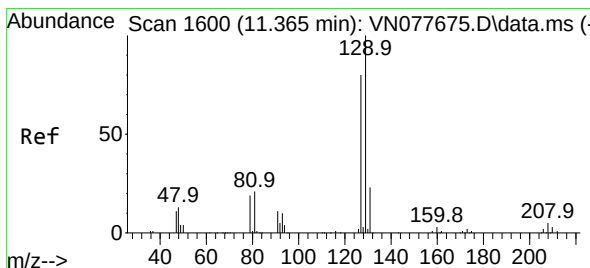
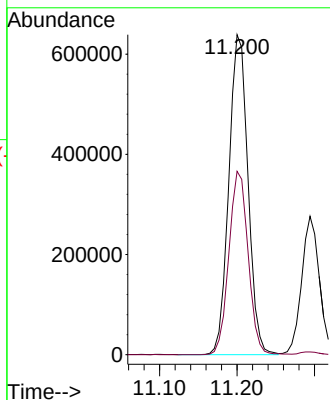
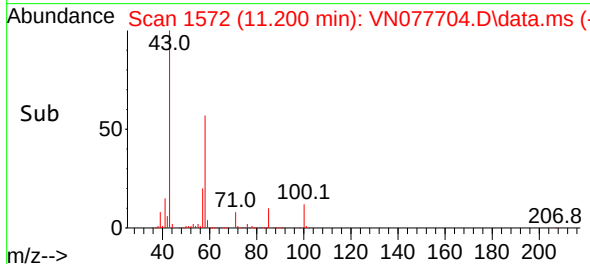
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 1098638
Ion Ratio Lower Upper
43 100
58 57.6 31.7 95.1

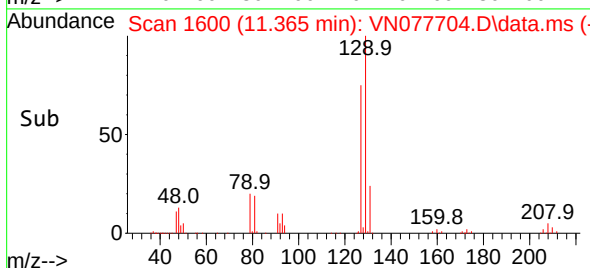
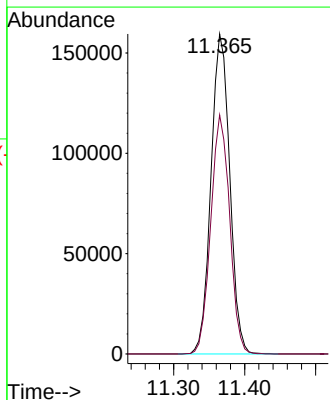
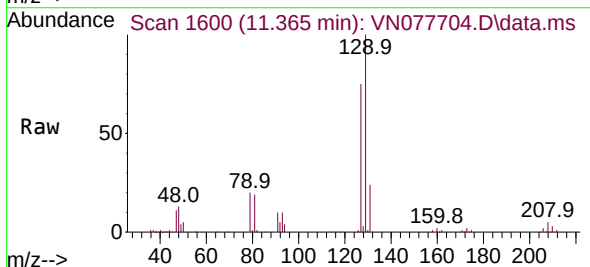
Manual Integrations
APPROVED

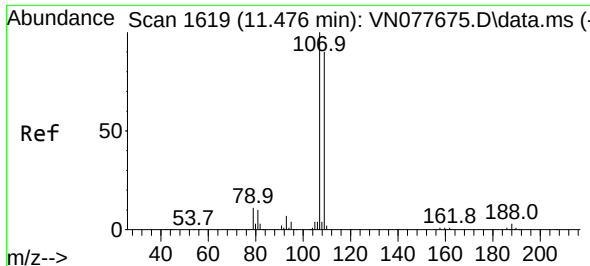
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#60
Dibromochloromethane
Concen: 51.113 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

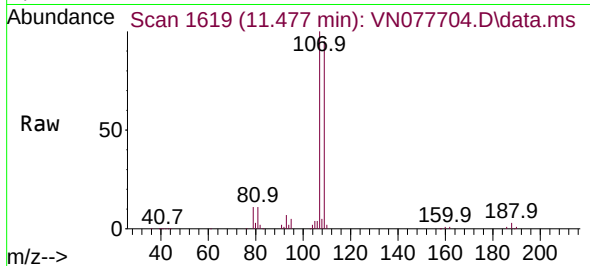
Tgt Ion:129 Resp: 291753
Ion Ratio Lower Upper
129 100
127 75.2 38.6 116.0





#61
1,2-Dibromoethane
Concen: 49.041 ug/l
RT: 11.477 min Scan# 1619
Delta R.T. 0.001 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

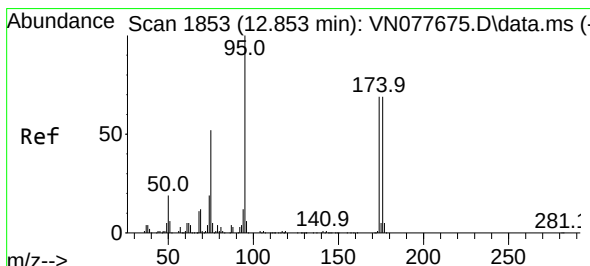
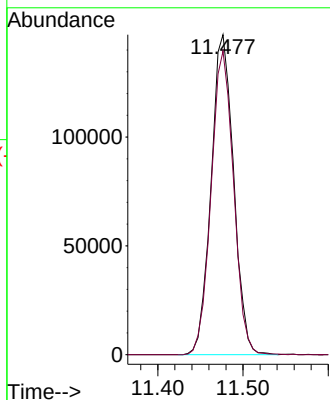
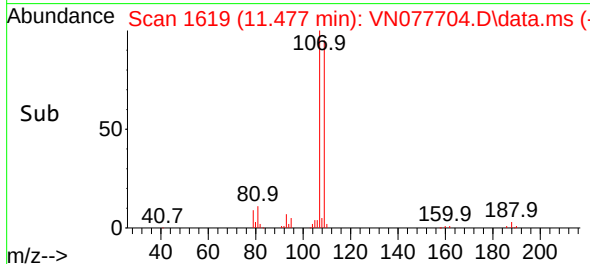
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:107 Resp: 270500
Ion Ratio Lower Upper
107 100
109 94.6 76.6 114.8

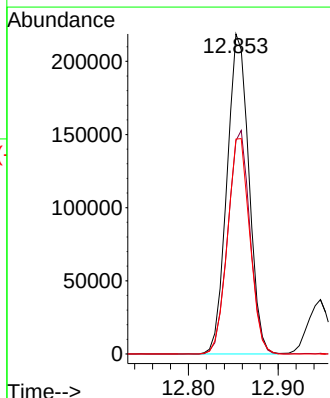
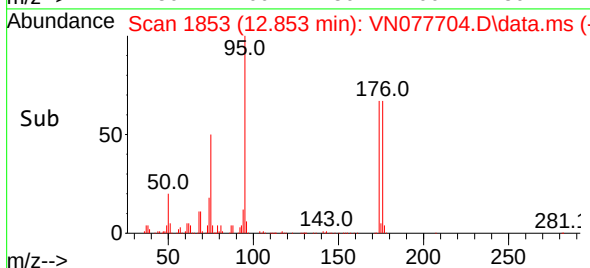
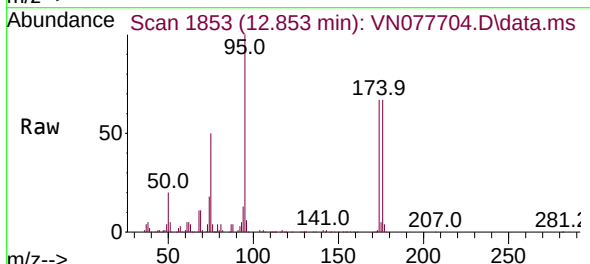
Manual Integrations
APPROVED

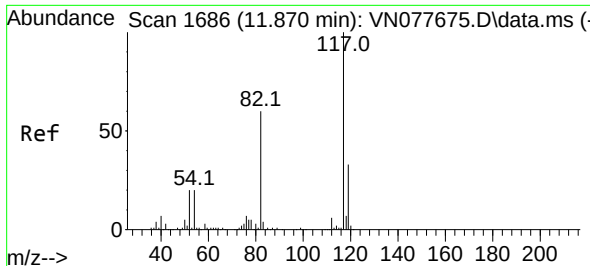
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#62
4-Bromofluorobenzene
Concen: 52.628 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

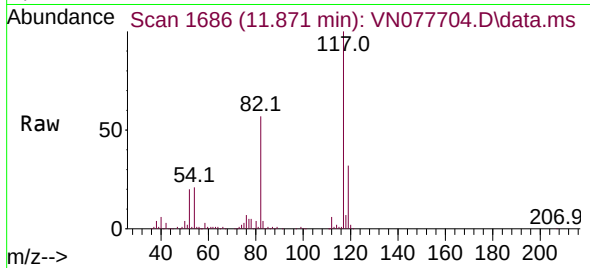
Tgt Ion: 95 Resp: 370754
Ion Ratio Lower Upper
95 100
174 70.3 0.0 143.8
176 68.4 0.0 135.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

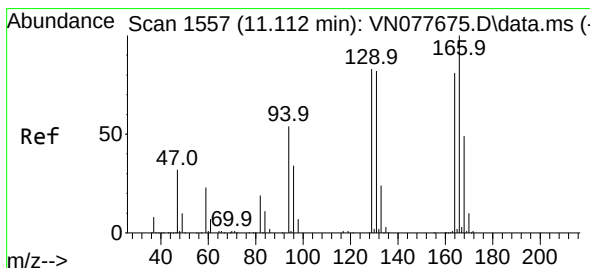
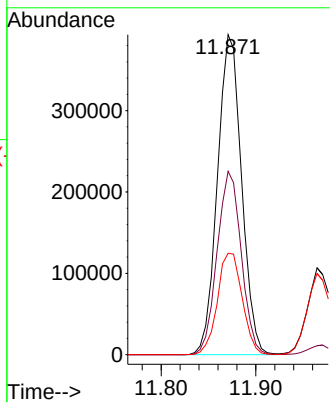
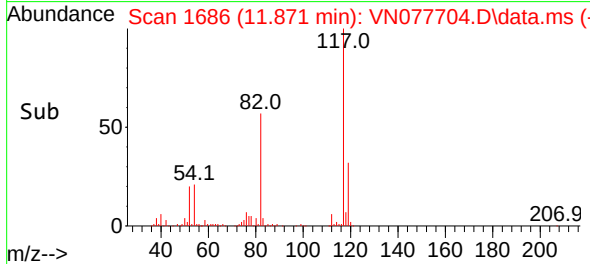
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:117 Resp: 696610
Ion Ratio Lower Upper
117 100
82 57.3 44.0 66.0
119 31.7 25.6 38.4

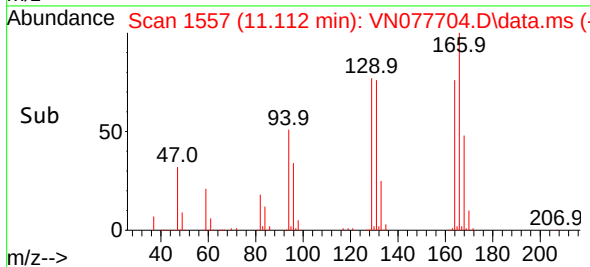
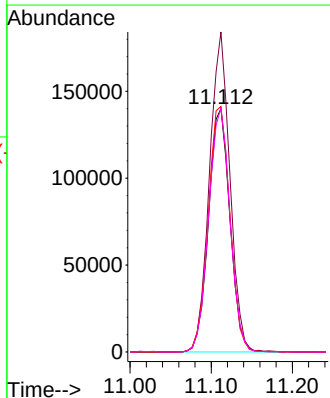
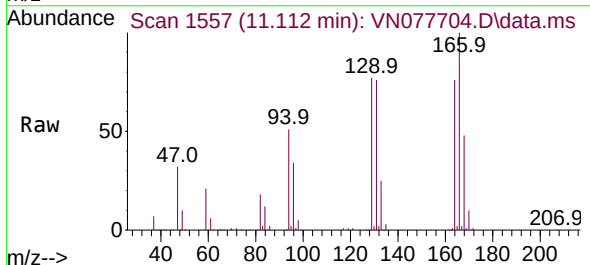
Manual Integrations
APPROVED

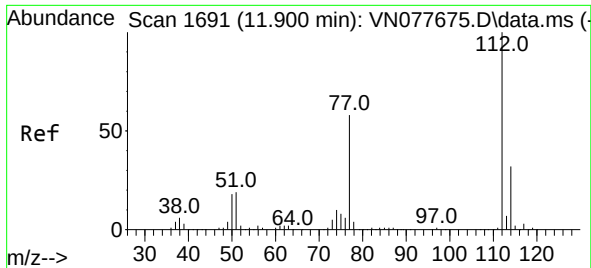
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#64
Tetrachloroethene
Concen: 52.405 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. -0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

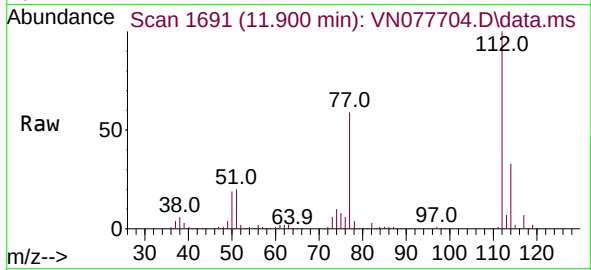
Tgt Ion:164 Resp: 255293
Ion Ratio Lower Upper
164 100
166 131.5 101.4 152.0
129 100.8 82.4 123.6
131 100.0 78.2 117.4





#65
Chlorobenzene
Concen: 47.799 ug/l
RT: 11.900 min Scan# 1691
Delta R.T. 0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

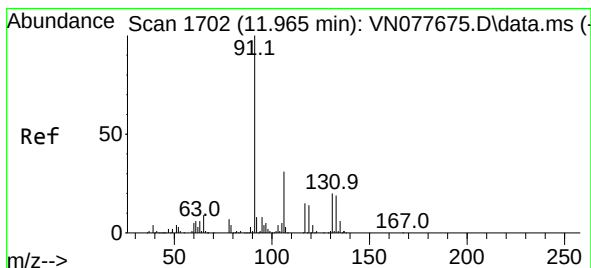
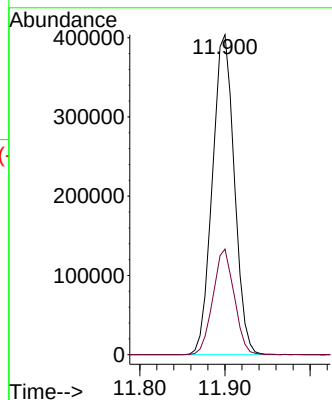
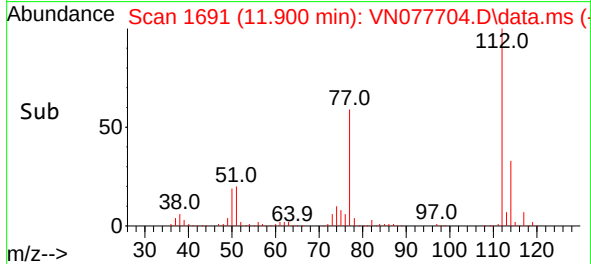
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



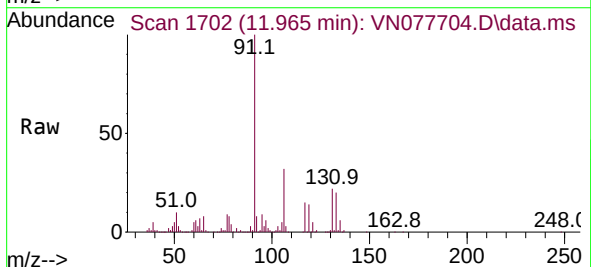
Tgt Ion:112 Resp: 72185
Ion Ratio Lower Upper
112 100
114 33.0 25.0 37.4

Manual Integrations
APPROVED

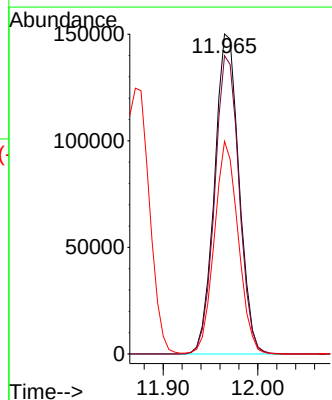
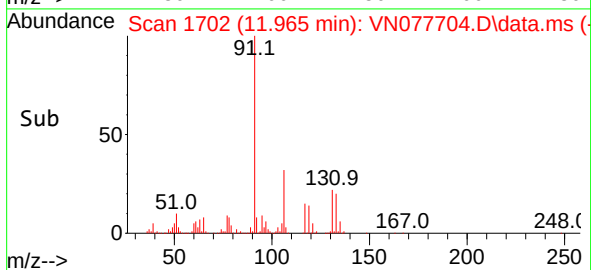
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023

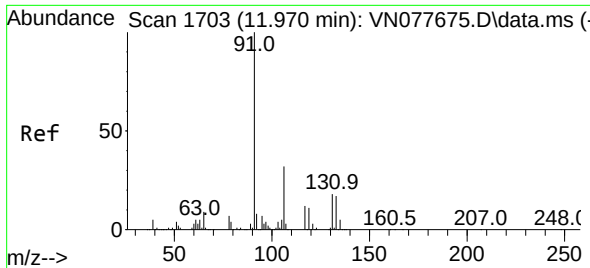


#66
1,1,1,2-Tetrachloroethane
Concen: 51.587 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03



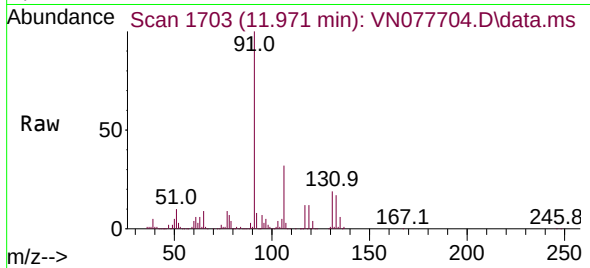
Tgt Ion:131 Resp: 269560
Ion Ratio Lower Upper
131 100
133 93.2 46.4 139.1
119 64.9 34.1 102.2





#67
Ethyl Benzene
Concen: 48.813 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.001 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

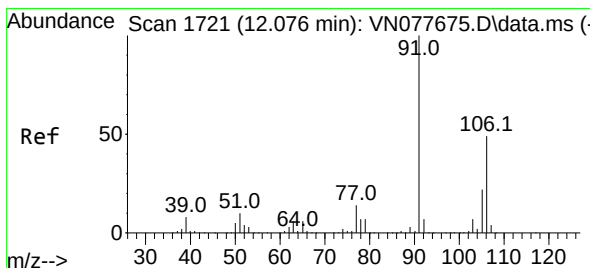
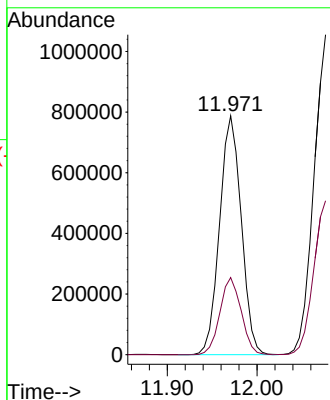
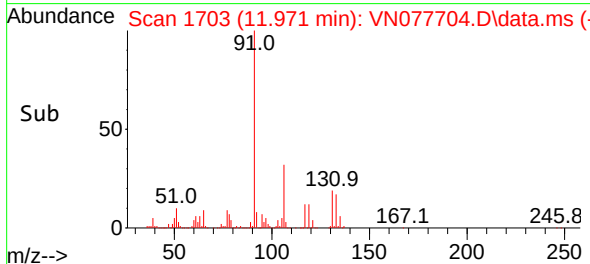
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



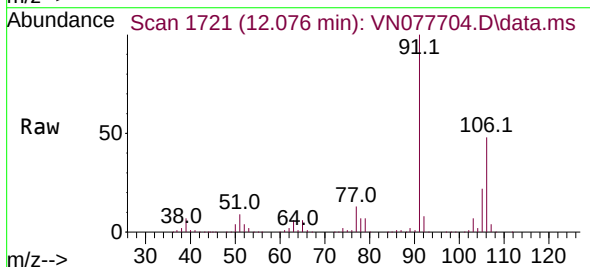
Tgt Ion: 91 Resp: 132103
Ion Ratio Lower Upper
91 100
106 32.3 25.6 38.4

Manual Integrations
APPROVED

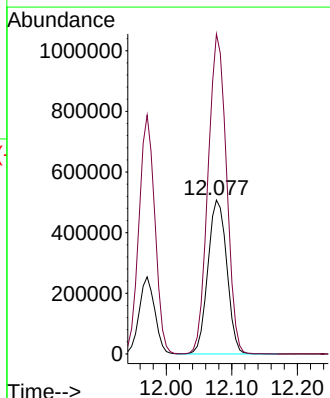
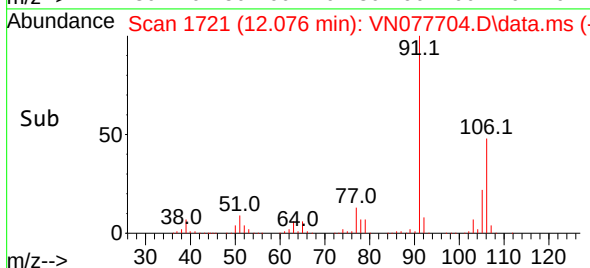
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023

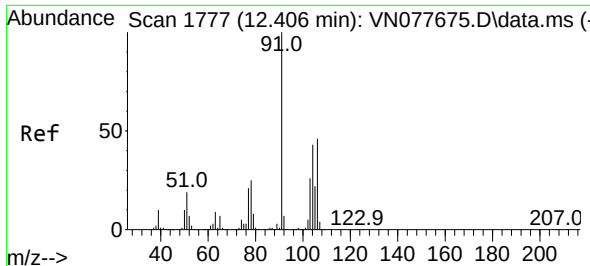


#68
m/p-Xylenes
Concen: 99.095 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03



Tgt Ion:106 Resp: 1016164
Ion Ratio Lower Upper
106 100
91 202.9 159.6 239.4





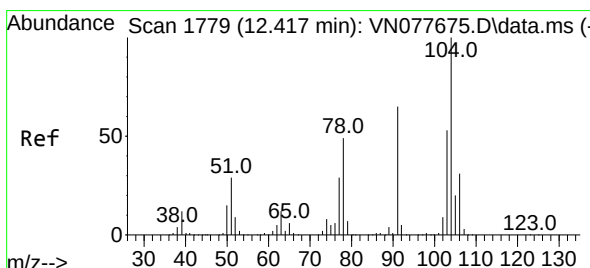
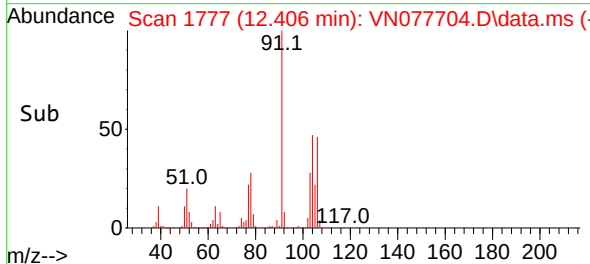
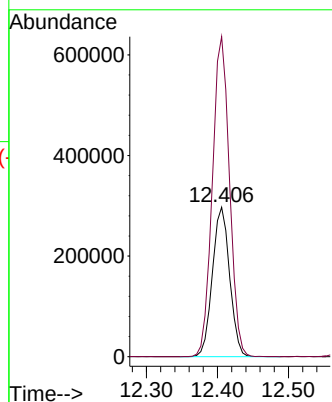
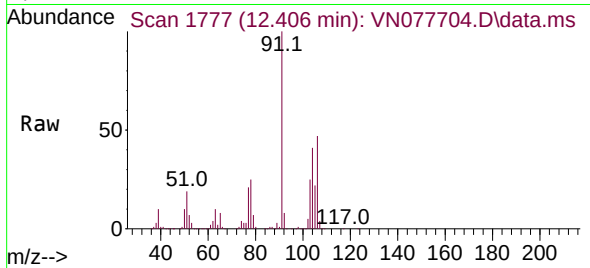
#69
o-Xylene
Concen: 49.653 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 500732
Ion Ratio Lower Upper
106 100
91 213.5 105.2 315.5

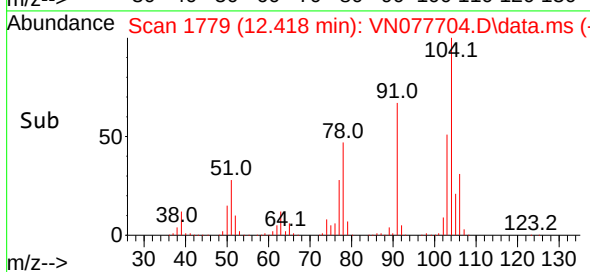
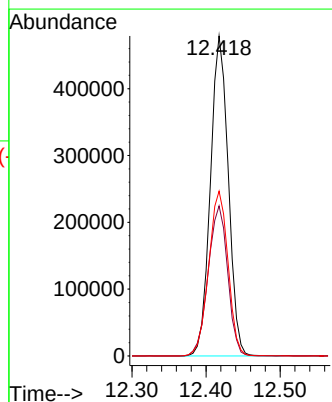
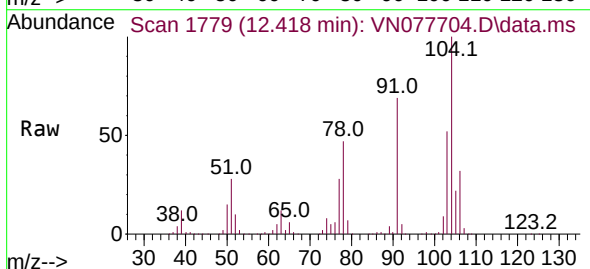
Manual Integrations
APPROVED

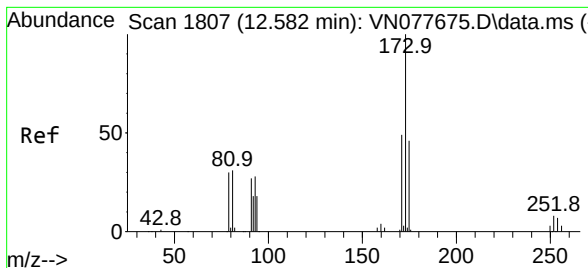
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#70
Styrene
Concen: 50.194 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. 0.001 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Tgt Ion:104 Resp: 804115
Ion Ratio Lower Upper
104 100
78 51.0 39.5 59.3
103 55.7 43.2 64.8





#71

Bromoform

Concen: 52.514 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VN077704.D

Acq: 17 May 2023 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 18254

Ion Ratio Lower Upper

173 100

175 48.3 24.3 73.0

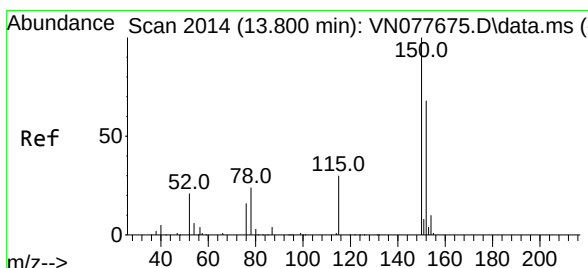
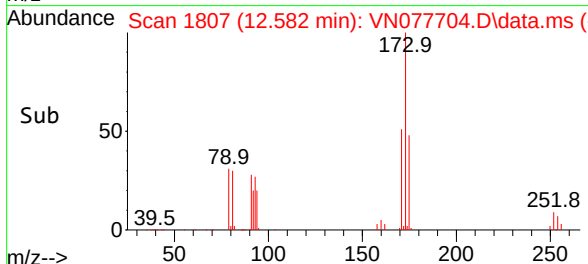
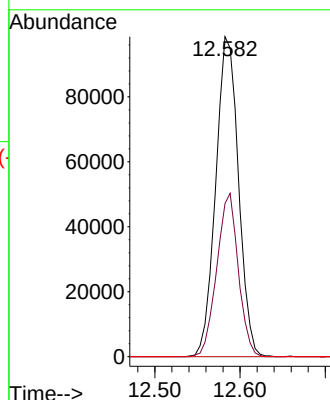
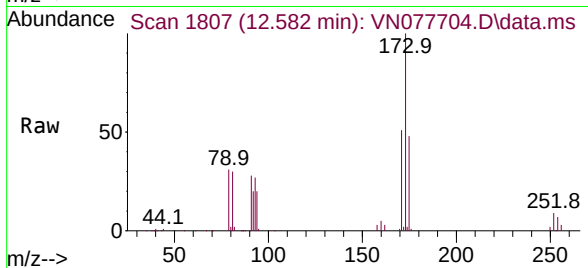
254 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN077704.D

Acq: 17 May 2023 11:03

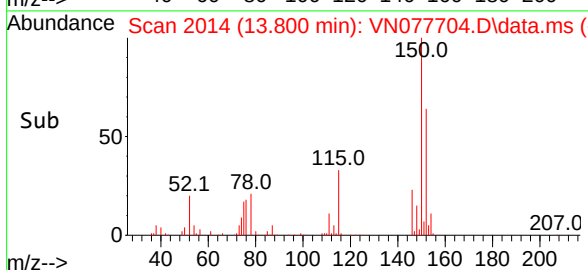
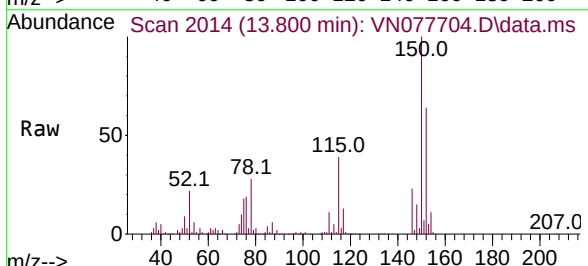
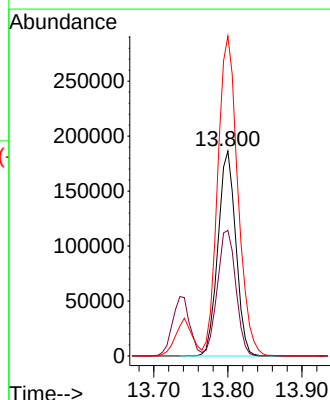
Tgt Ion:152 Resp: 311035

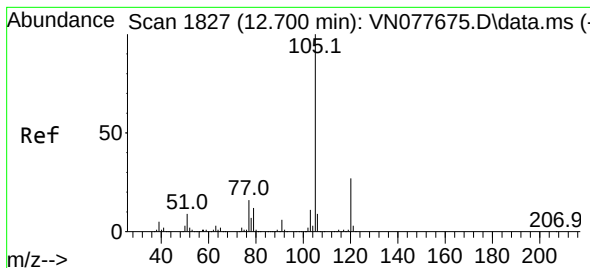
Ion Ratio Lower Upper

152 100

115 63.6 32.3 96.8

150 175.9 0.0 355.8





#73

Isopropylbenzene

Concen: 48.518 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. 0.000 min

Lab File: VN077704.D

Acq: 17 May 2023 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 1300830

Ion Ratio Lower Upper

105 100

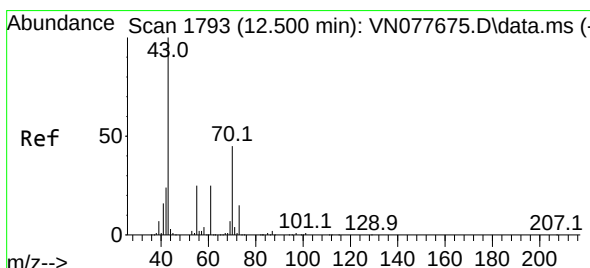
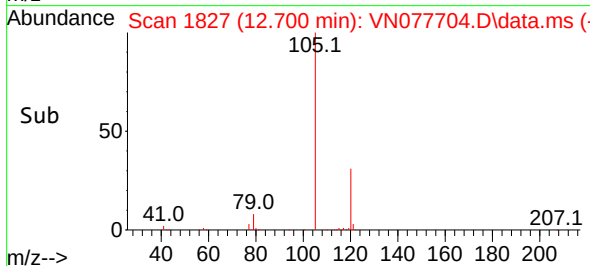
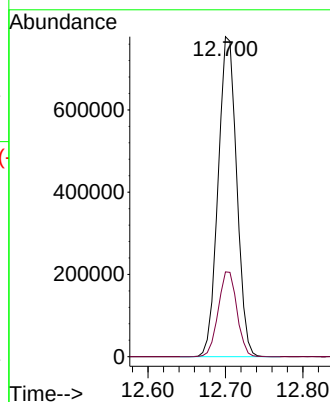
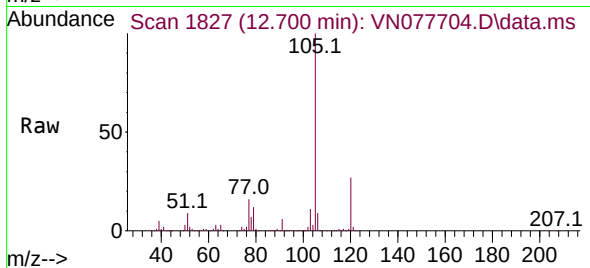
120 26.6 13.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#74

N-ethyl acetate

Concen: 43.851 ug/l

RT: 12.500 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VN077704.D

Acq: 17 May 2023 11:03

Tgt Ion: 43 Resp: 434570

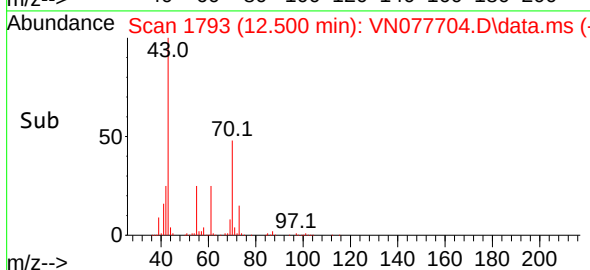
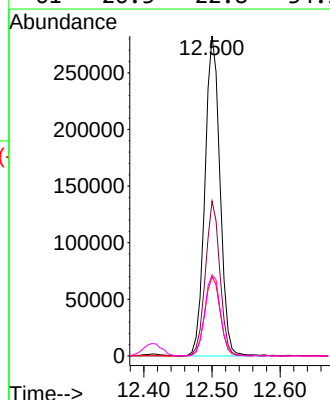
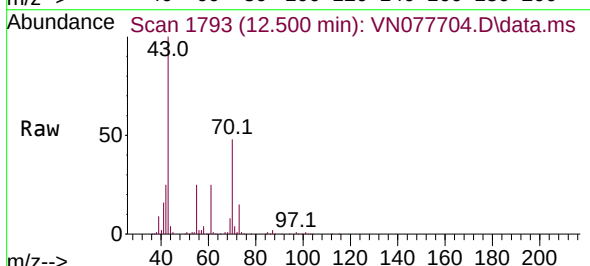
Ion Ratio Lower Upper

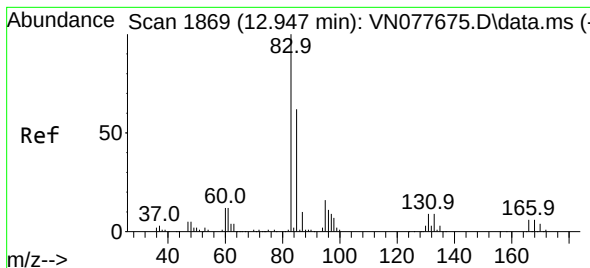
43 100

70 46.4 43.4 65.2

55 25.3 21.4 32.0

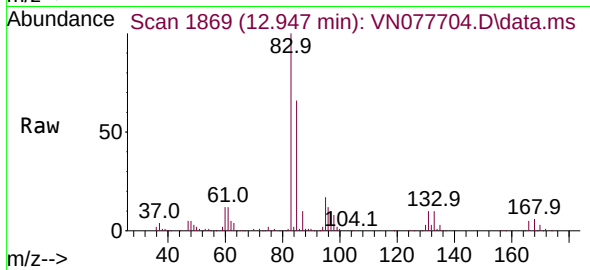
61 26.3 22.8 34.2





#75
1,1,2,2-Tetrachloroethane
Concen: 44.965 ug/l
RT: 12.947 min Scan# 1869
Delta R.T. 0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

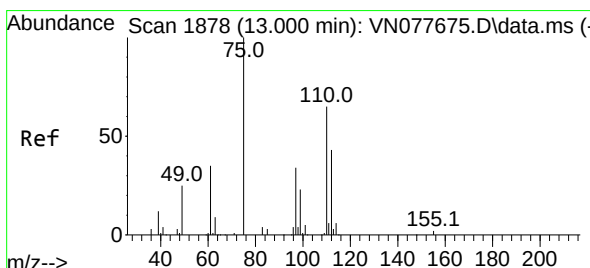
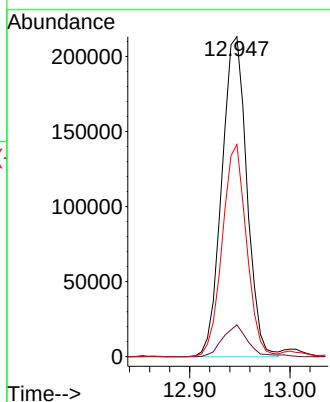
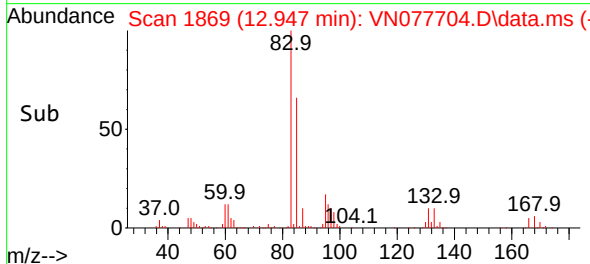
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 83 Resp: 370878
Ion Ratio Lower Upper
83 100
131 10.1 5.0 15.0
85 64.1 31.9 95.7

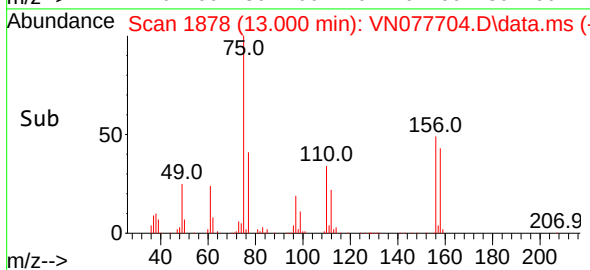
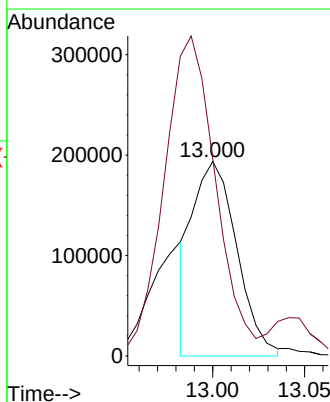
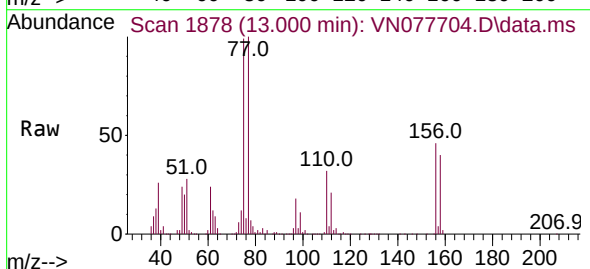
Manual Integrations
APPROVED

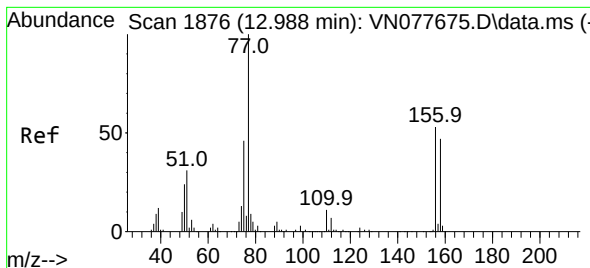
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#76
1,2,3-Trichloropropane
Concen: 41.579 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Tgt Ion: 75 Resp: 323874
Ion Ratio Lower Upper
75 100
77 192.5 84.5 253.5





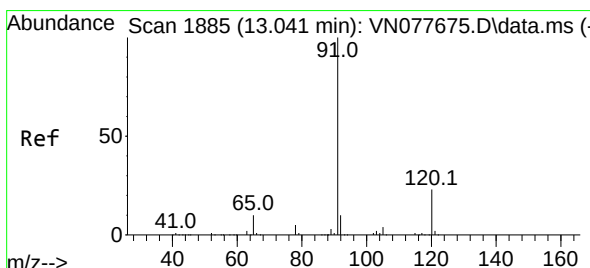
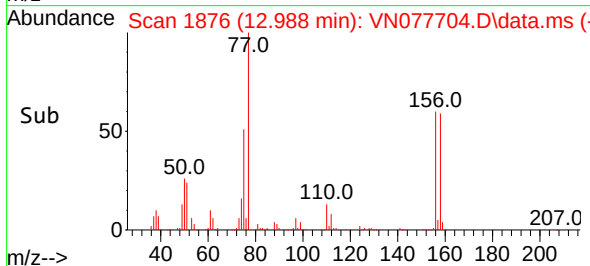
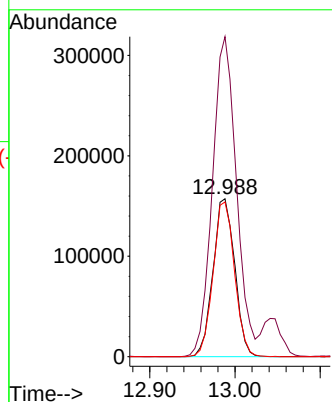
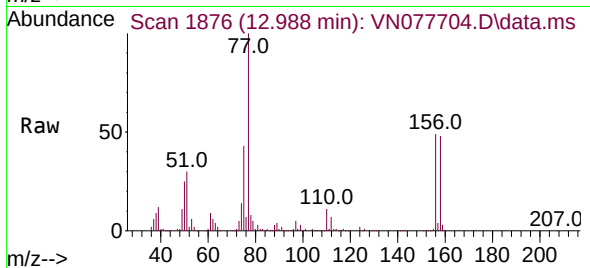
#77
Bromobenzene
Concen: 45.647 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 27929
Ion Ratio Lower Upper
156 100
77 223.2 107.7 323.3
158 96.7 48.4 145.3

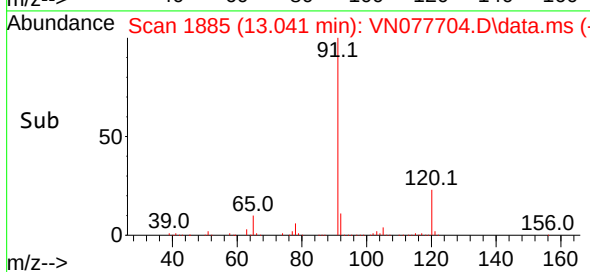
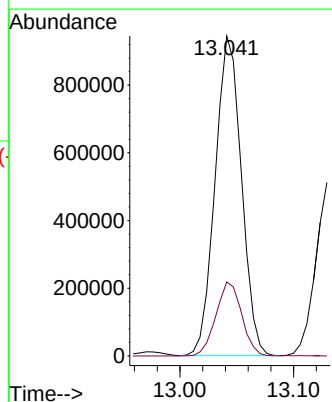
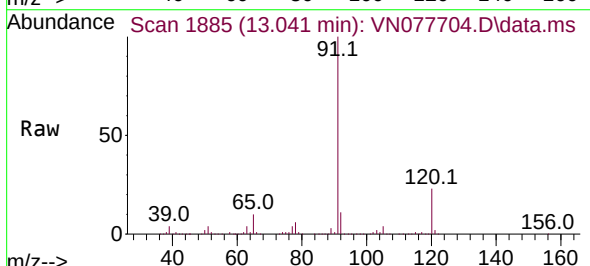
Manual Integrations
APPROVED

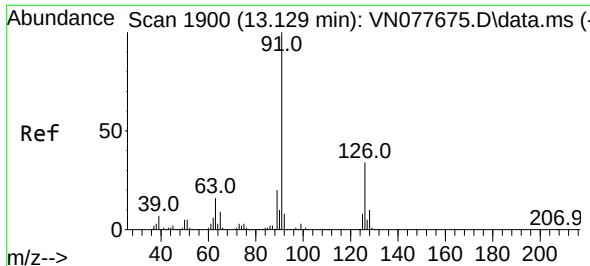
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#78
n-propylbenzene
Concen: 48.066 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Tgt Ion: 91 Resp: 1519304
Ion Ratio Lower Upper
91 100
120 22.7 11.5 34.4





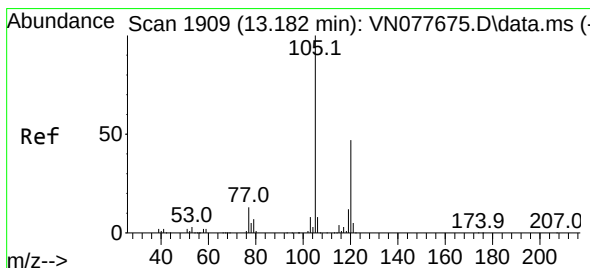
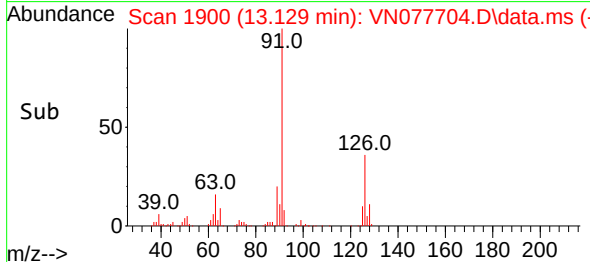
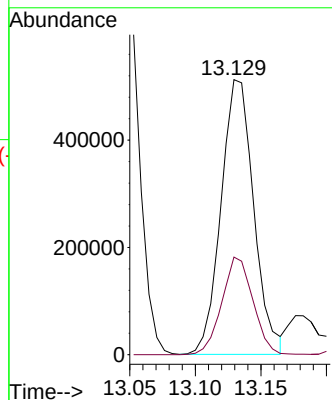
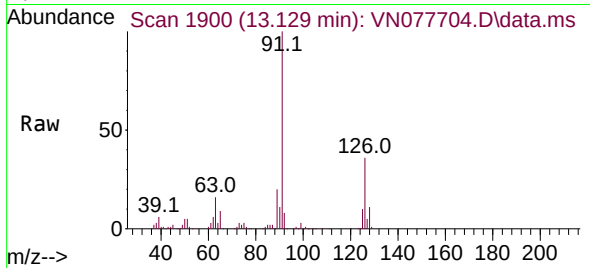
#79
2-Chlorotoluene
Concen: 47.129 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 888924
Ion Ratio Lower Upper
91 100
126 33.9 16.3 48.8

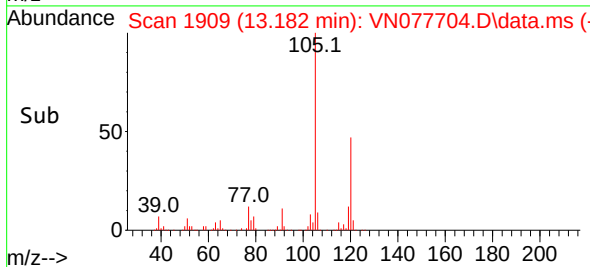
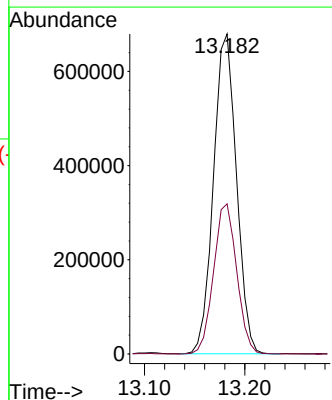
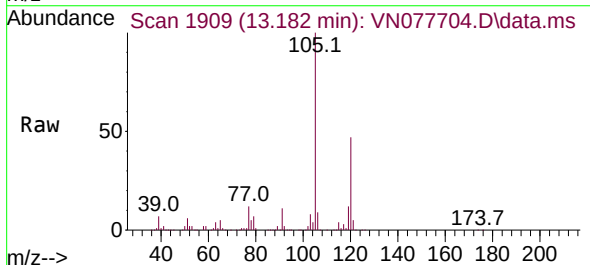
Manual Integrations
APPROVED

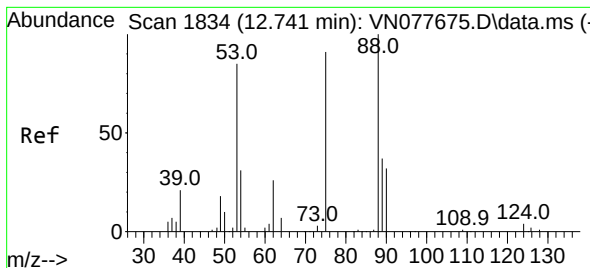
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#80
1,3,5-Trimethylbenzene
Concen: 47.962 ug/l
RT: 13.182 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Tgt Ion:105 Resp: 1080767
Ion Ratio Lower Upper
105 100
120 47.3 24.1 72.3





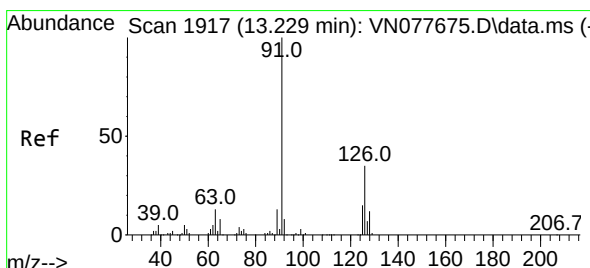
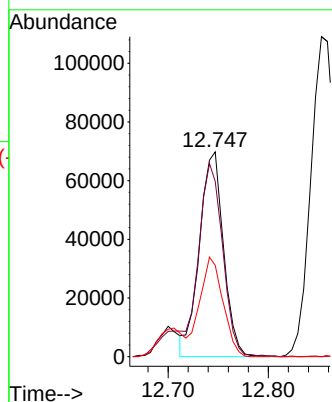
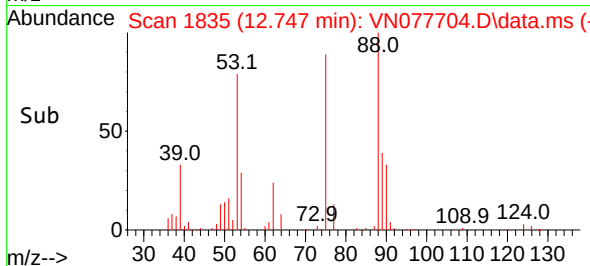
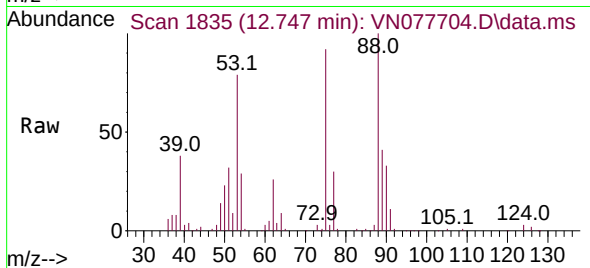
#81
trans-1,4-Dichloro-2-butene
Concen: 47.974 ug/l
RT: 12.747 min Scan# 1835
Delta R.T. 0.006 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 116900
Ion Ratio Lower Upper
75 100
53 107.0 67.4 101.2
89 46.9 38.8 58.2

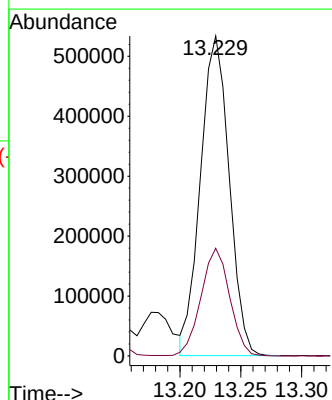
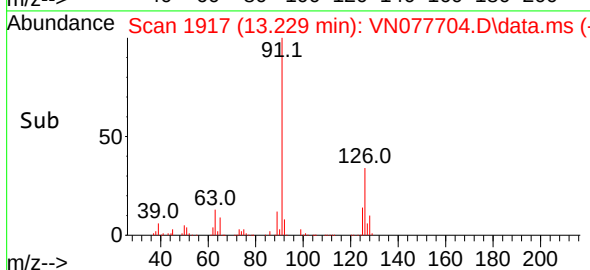
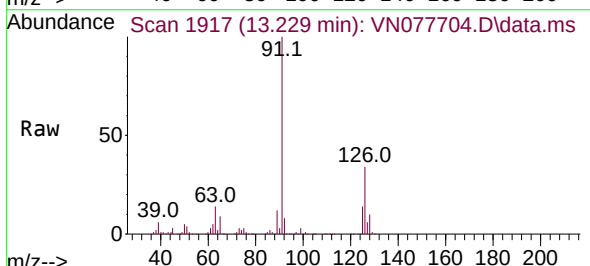
Manual Integrations
APPROVED

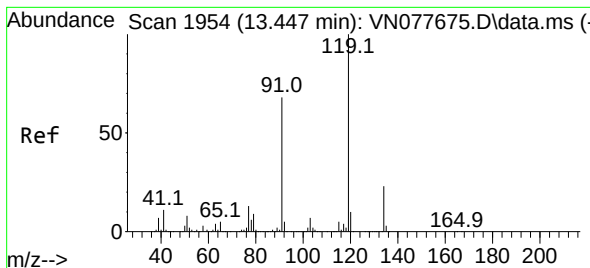
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#82
4-Chlorotoluene
Concen: 46.549 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Tgt Ion: 91 Resp: 873554
Ion Ratio Lower Upper
91 100
126 33.7 16.7 50.0





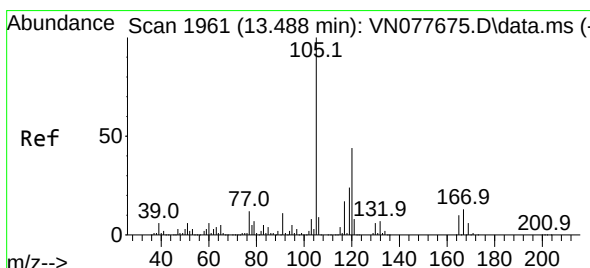
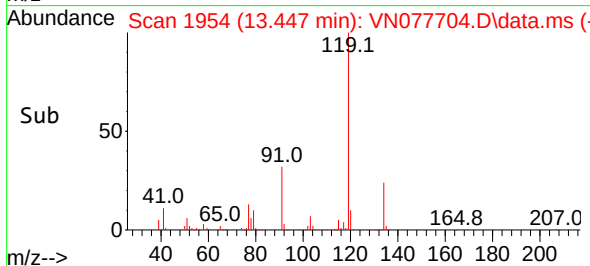
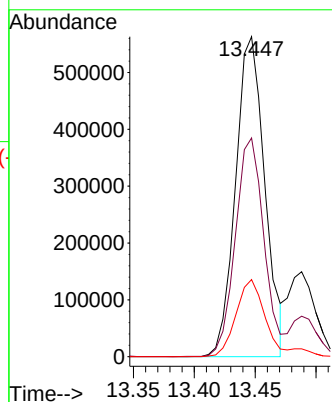
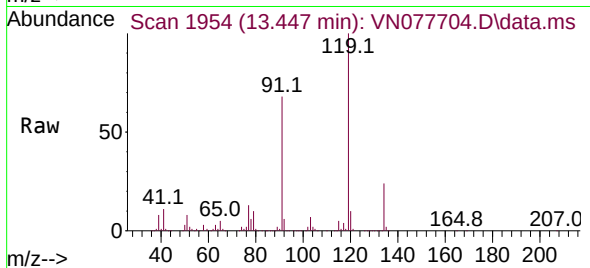
#83
tert-Butylbenzene
Concen: 47.804 ug/l
RT: 13.447 min Scan# 1954
Delta R.T. 0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 94038
Ion Ratio Lower Upper
119 100
91 68.2 33.9 101.7
134 23.6 13.2 39.6

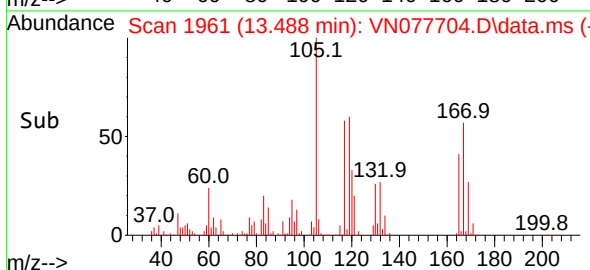
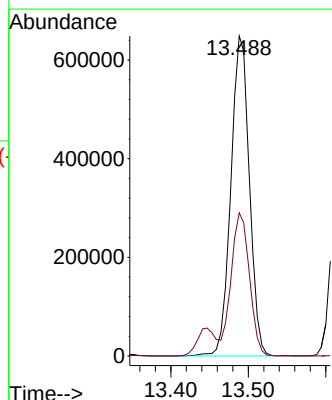
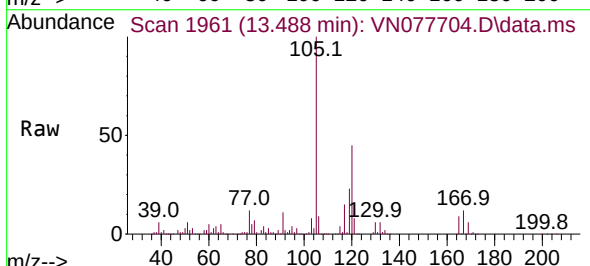
Manual Integrations
APPROVED

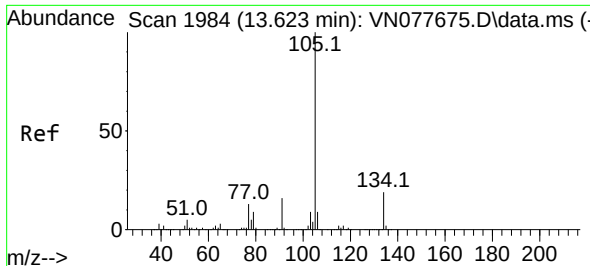
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#84
1,2,4-Trimethylbenzene
Concen: 48.634 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN077704.D
Acq: 17 May 2023 11:03

Tgt Ion:105 Resp: 1077823
Ion Ratio Lower Upper
105 100
120 44.0 22.0 66.0





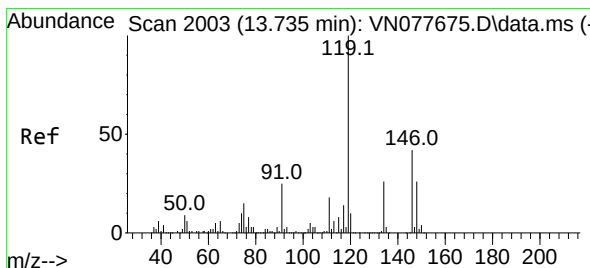
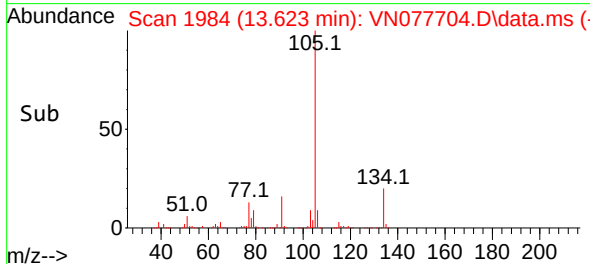
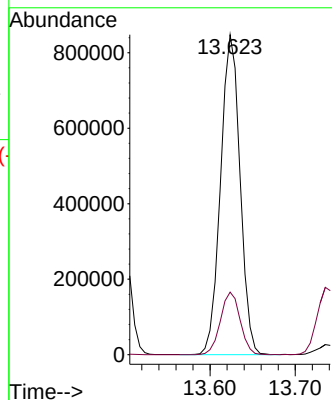
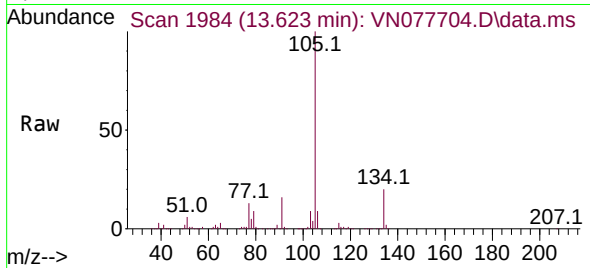
#85
 sec-Butylbenzene
 Concen: 48.193 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN077704.D
 Acq: 17 May 2023 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 1347335
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.3

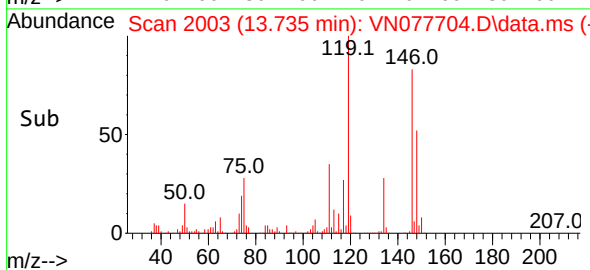
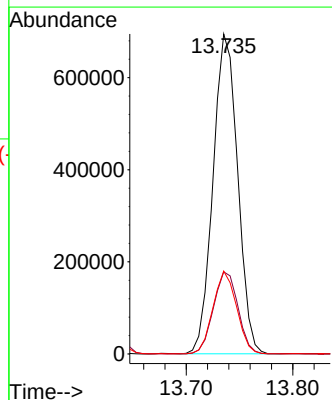
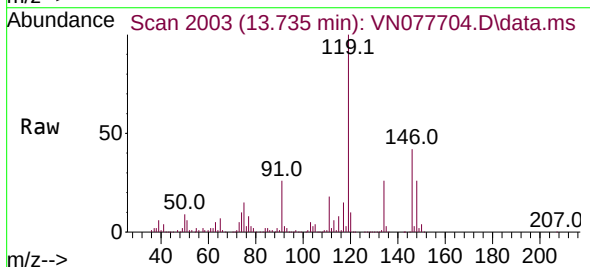
Manual Integrations
 APPROVED

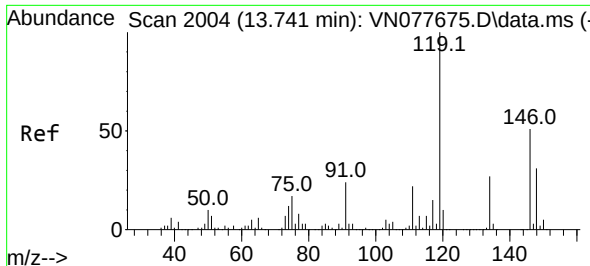
Reviewed By :John Carlone 05/18/2023
 Supervised By :Mahesh Dadoda 05/18/2023



#86
 p-Isopropyltoluene
 Concen: 49.971 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN077704.D
 Acq: 17 May 2023 11:03

Tgt Ion:119 Resp: 1113763
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.6 37.8
 91 24.7 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 46.983 ug/l

RT: 13.741 min Scan# 2004

Delta R.T. 0.000 min

Lab File: VN077704.D

Acq: 17 May 2023 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 531630

Ion Ratio Lower Upper

146 100

111 43.0 22.1 66.3

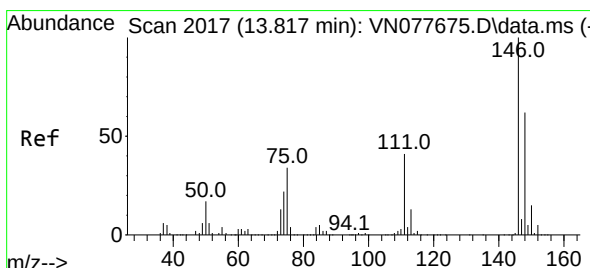
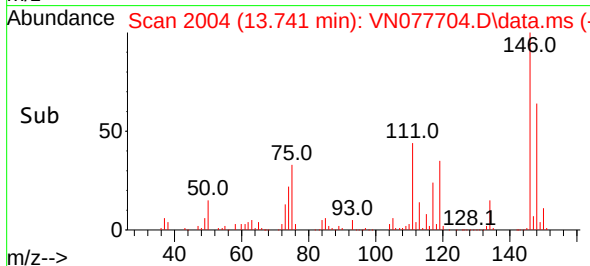
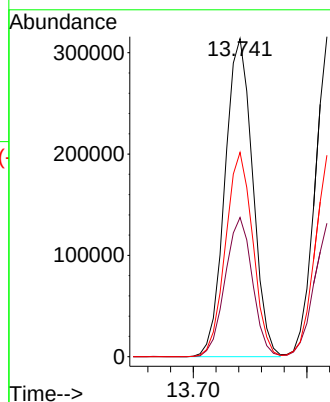
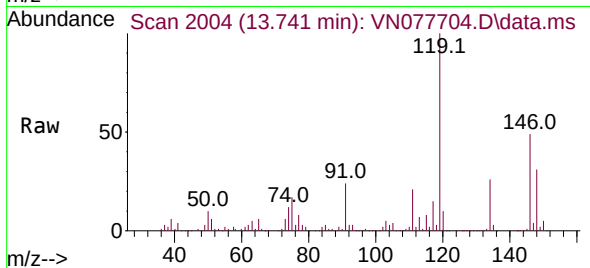
148 63.3 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#88

1,4-Dichlorobenzene

Concen: 47.040 ug/l

RT: 13.818 min Scan# 2017

Delta R.T. 0.001 min

Lab File: VN077704.D

Acq: 17 May 2023 11:03

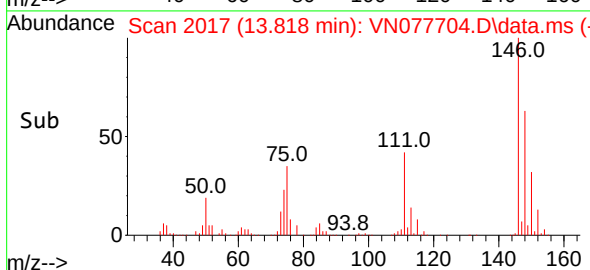
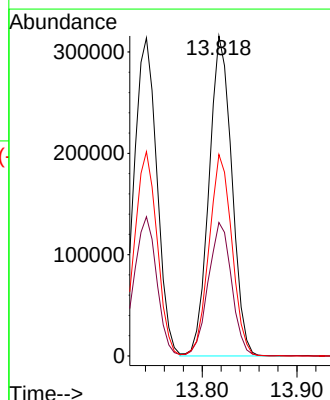
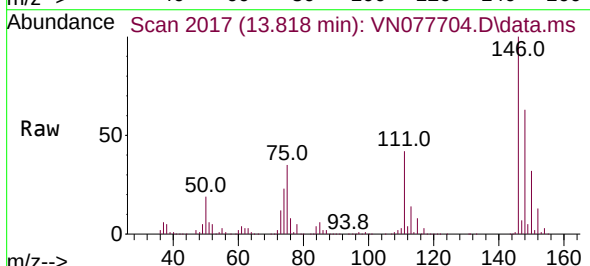
Tgt Ion:146 Resp: 528189

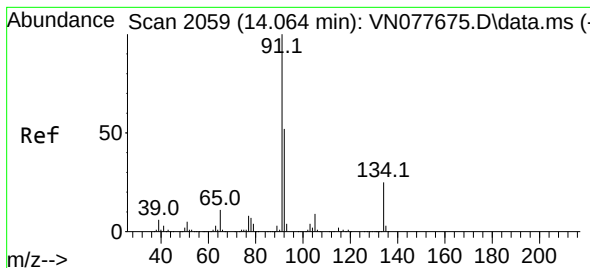
Ion Ratio Lower Upper

146 100

111 42.9 20.6 61.8

148 63.2 31.6 94.8





#89

n-Butylbenzene

Concen: 48.119 ug/l

RT: 14.065 min Scan# 2059

Delta R.T. 0.001 min

Lab File: VN077704.D

Acq: 17 May 2023 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

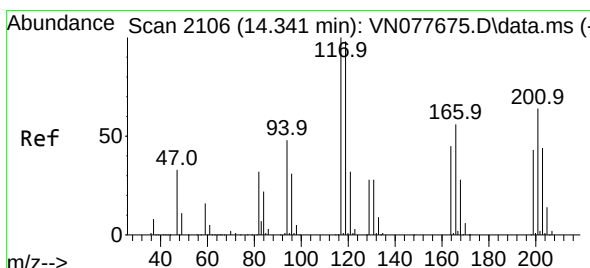
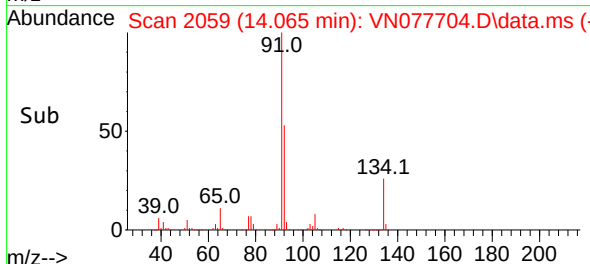
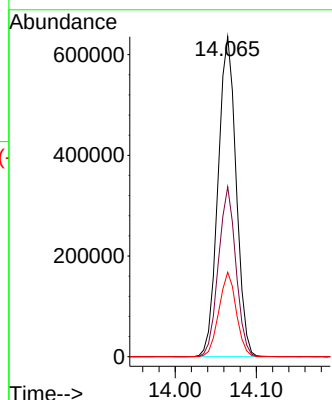
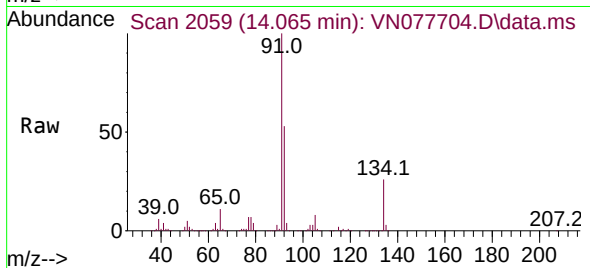
Tgt Ion:	91	Resp:	986450
Ion Ratio	Lower	Upper	
91	100		
92	51.2	26.4	79.0
134	25.3	12.6	37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#90

Hexachloroethane

Concen: 52.001 ug/l

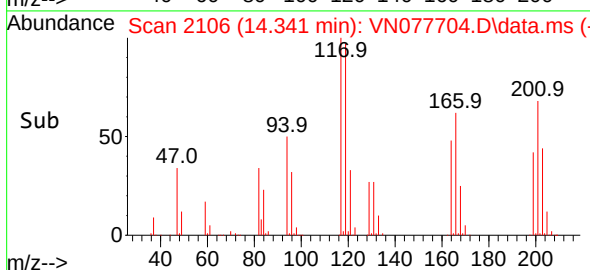
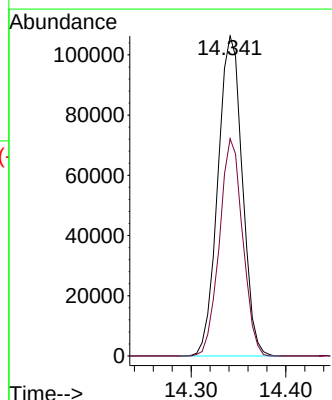
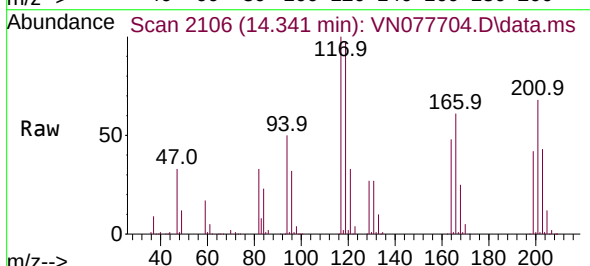
RT: 14.341 min Scan# 2106

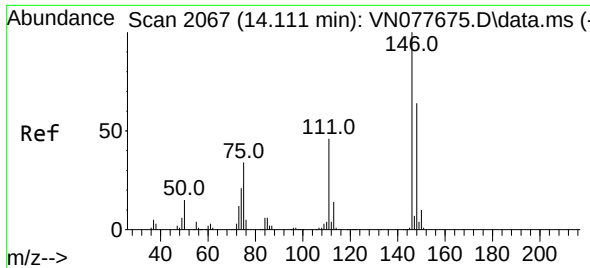
Delta R.T. 0.000 min

Lab File: VN077704.D

Acq: 17 May 2023 11:03

Tgt Ion:	117	Resp:	190403
Ion Ratio	Lower	Upper	
117	100		
201	64.5	29.3	88.0





#91

1,2-Dichlorobenzene

Concen: 48.675 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. 0.001 min

Lab File: VN077704.D

Acq: 17 May 2023 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 514529

Ion Ratio Lower Upper

146 100

111 44.3 22.0 66.0

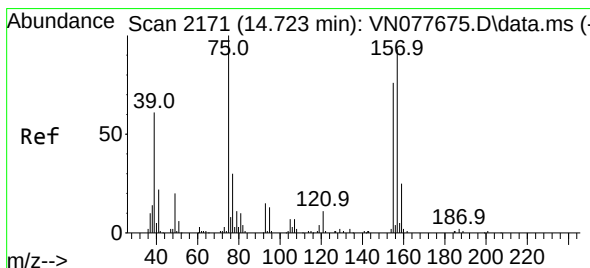
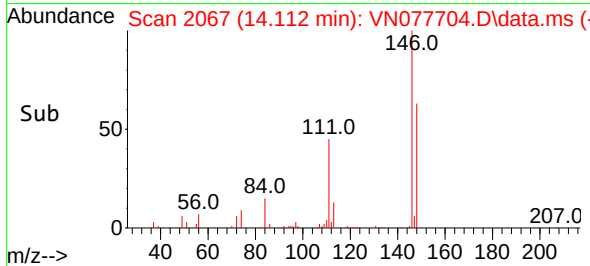
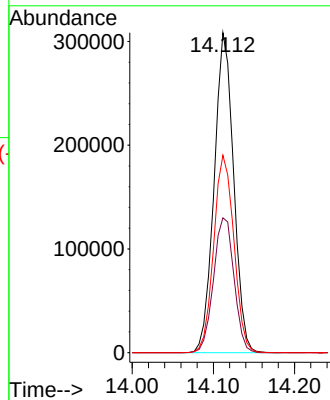
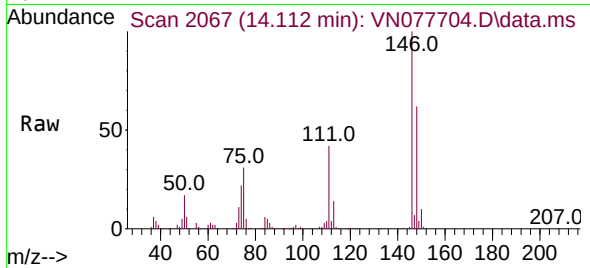
148 63.9 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#92

1,2-Dibromo-3-Chloropropane

Concen: 43.790 ug/l

RT: 14.729 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VN077704.D

Acq: 17 May 2023 11:03

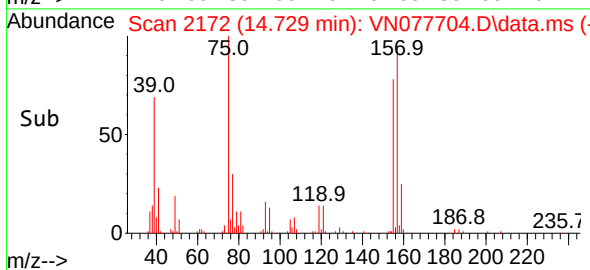
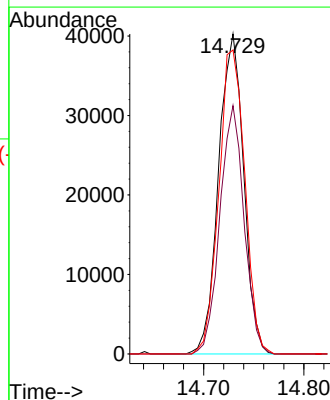
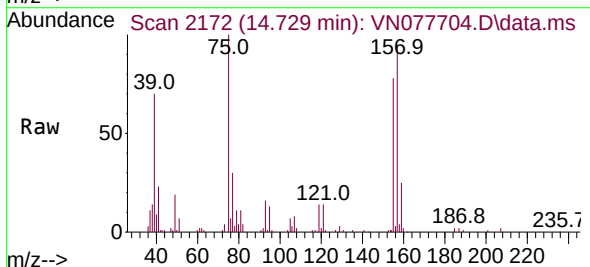
Tgt Ion: 75 Resp: 69927

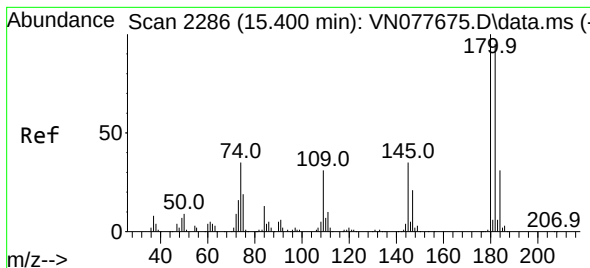
Ion Ratio Lower Upper

75 100

155 74.9 39.1 117.2

157 98.4 50.3 150.9





#93

1,2,4-Trichlorobenzene

Concen: 46.131 ug/l

RT: 15.400 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077704.D

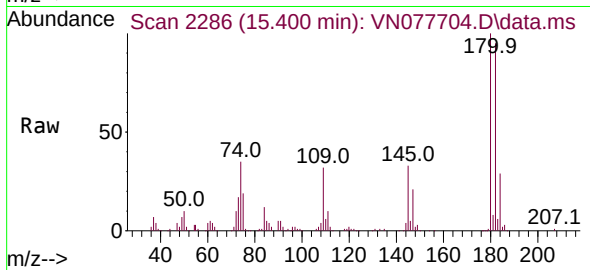
Acq: 17 May 2023 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050



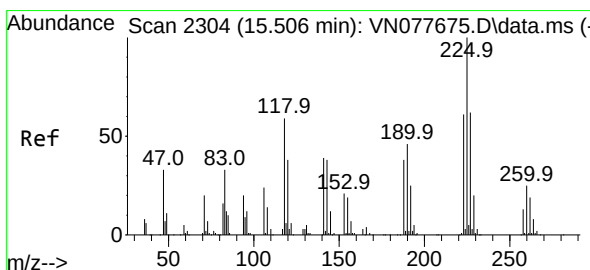
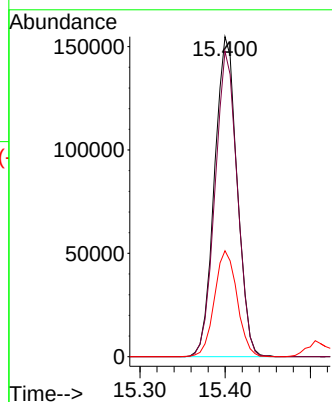
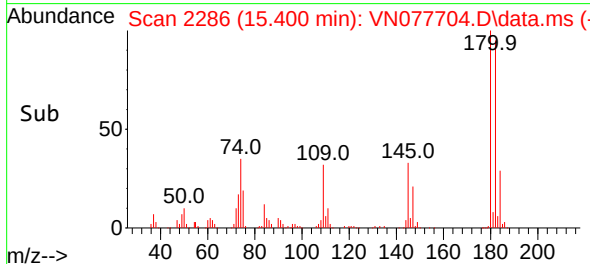
Tgt Ion:	180	Resp:	28496
Ion Ratio	Lower	Upper	
180	100		
182	94.1	46.1	138.2
145	33.2	16.6	49.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#94

Hexachlorobutadiene

Concen: 48.203 ug/l

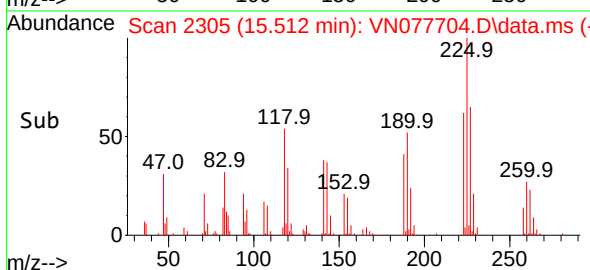
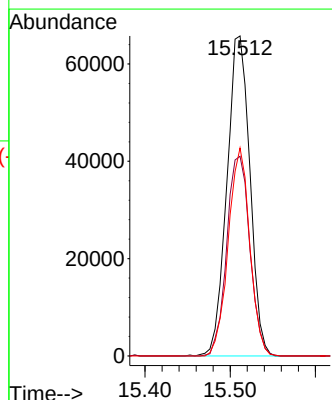
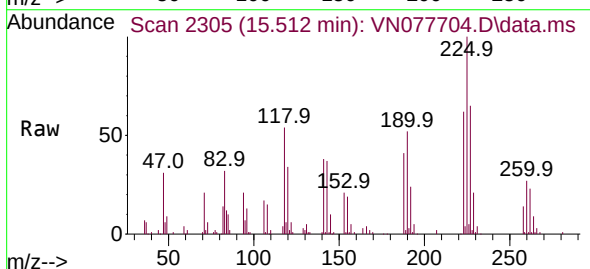
RT: 15.512 min Scan# 2305

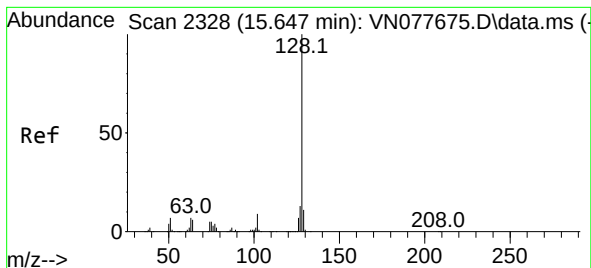
Delta R.T. 0.006 min

Lab File: VN077704.D

Acq: 17 May 2023 11:03

Tgt Ion:	225	Resp:	123630
Ion Ratio	Lower	Upper	
225	100		
223	62.8	31.3	93.8
227	60.7	31.9	95.9





#95

Naphthalene

Concen: 43.452 ug/l

RT: 15.653 min Scan# 2329

Delta R.T. 0.006 min

Lab File: VN077704.D

Acq: 17 May 2023 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 923889

Ion Ratio Lower Upper

128 100

127 13.2 10.0 15.0

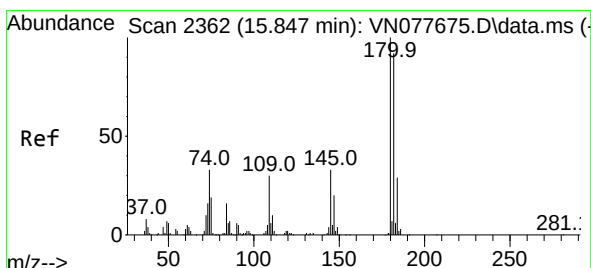
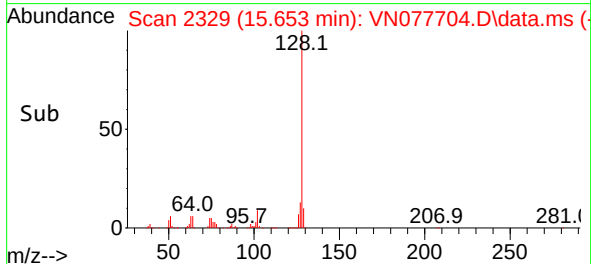
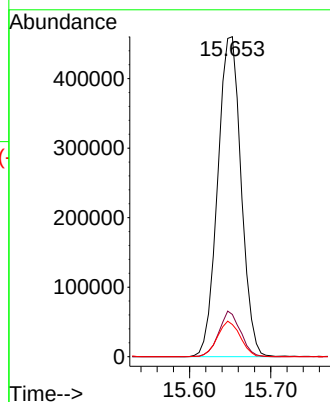
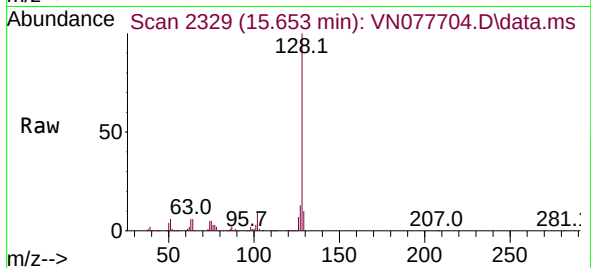
129 10.8 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#96

1,2,3-Trichlorobenzene

Concen: 45.906 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. -0.000 min

Lab File: VN077704.D

Acq: 17 May 2023 11:03

Tgt Ion:180 Resp: 277645

Ion Ratio Lower Upper

180 100

182 94.4 46.2 138.6

145 35.6 17.5 52.6

